

## Market Comment | GBP wobbly as Brexit becomes real

Global Financial Markets Unit 29 Mar 2017

- Financial markets were mixed on the day on which Article 50 was officially triggered, to leave the
  EU. Recent volatility caused by doubts regarding "Trump trade" eased somewhat, helped among other
  things by rising oil prices (the energy sector outperformed). Nonetheless appetite for bonds remained
  high (decreasing sovereign bond yields) as recent sources of uncertainty (Brexit and US policies) still
  weighed.
- High volatility in GBP as the UK prime minister signed the letter (see) invoking Article 50, triggering the UK's exit from the EU. Theresa May stressed that the UK government wanted the UK to maintain trade relationships with the EU.
- The USD recovered some ground after Trump trade volatility eased so far ahead of a barrage of
  Fed speakers, who may give new clues as to the Fed's gradual tightening path. Yellen's positive remarks
  yesterday regarding the job market (see), and positive economic indicators today (see) also supported
  the USD's mild appreciation.
- Oil prices continued rebounding this week (but still hovering around minimum levels for this year) as
  prospects of an extension to OPEC's oil production curbs outweighed concerns about rising US oil
  production. Moreover, today's US crude oil inventories showed a lower-than-expected increase, thereby
  shoring up today's optimism in oil markets (see).

Update 18 CET 29 March, 2017 Table 1



Debt market Developed Markets US (2-yr)	( 10Y, %, ch level 1.27	anges in t Daily -2.8	Week	Month 8	YTD
US GER (2-yr)	2.39	-2.7 -4.7	-1.4	3 18	-5 3
Germany France	0.34	-4.5 -2.5	2.3 -6.5 -11.1	15	7
Spain Italy	1.65 2.14	-3.2 -1.8	-8.9 -11.9	-9 1	14 27
Portugal Greece	4.01 6.97	-6.2 -14.3	-14.6 -43.4	-15 -17	-17 9
Japan (2-yr) Japan	-0.25 0.06	1.6	0.8	2	-6 -1
Emerging Markets		Daily -4.3	Weekly	Monthly	YTD -129
Chile	10.12 4.14	0.0	-8.7	-3 -23	-129 -18 -40
Colombia Mexico	6.69 7.14	-2.0 -0.1	-12.2 -1.6	-18	-50
Peru Poland	5.77 3.54	-1.4 0.8	-12.9 -6.0	-36 -28	-71 -18
Russia Turkey	8.06 10.76 6.75	2.5 10.0	-4.7 24.0	-22 24 -13	-38 -24 37
India Indonesia	7.09	3.8 -1.3	-6.8 -5.4	-13 -45	37 -75
Country r Developed Markets	isk (bp. chang	es in bp) Daily	Weekly	Monthly	YTD
10-yr so vereign spread vs Germany	10401				
France Italy	59 180	2.1	-4.5 -5.4	-9 -14	6 21
Portugal Spain	367 131	-1.8 1.3	-8.2 -2.4	-30 -24	-23 7
Spain 2-yr so vereign spread vs Germany France	40	2.5	9.1	- 1	30
Italy Portugal	68 135	4.2	-6.9 -5.0	-25 -25	7
Spain	55	4.9	-2.1	-26	7
Emerging Markets 5-yr sovereign CDS*	level	Daily	Weekly	Monthly	YTD
Brazil Chile	228 73	-4 -2	-5 -6	-2	-43 -9
Colombia	134	-3	-12	-4	-29
Mexico Peru	132 103	-2 -2	-11 -6	-8 2	-25 -5
Venezuela Poland	3,541 69	132	76 2	141	-364 -6
Russia Turkey	172 234	-1	6	3	-4 -38
China	84	-1	-2 -6	-8	-33
India Indonesia	100 129	-4	-6 -1	-4 -1	-27 -27
Volatilty indicators (%)	isk indicator: level	Daily	Weekly	Monthly	YTD
VIX VSTOXX	11 16	-1.1 0.4	-11 10	-6 -1	0
VSTOXX EM EFT volatility Index Dollar/euro volatility	16	-5.5	-8	-7	-19
EM FX volatility index	9	1.4 -0.2	17 0	3 -5	-18 -17
Credit spread (BAA) (bps) US bonds volatility index	225 62	2.7 -1.2	-3	-13	-2 -19
Banking 5y CDS (bps) *	level 66	Daily -2.0	Weekly	Monthly 1	YTD
EZ	104	-2.8	-5	-16	-4
UK Large Spanish	75 107	-1.4 -4.3	-6	-6 -7	-15 -10
Medium Spanish Corporate 5y CDS (typs) *	162	-2.5 Daily	-2 Weekly	-6 Monthly	11 YTD
US Non-financial	153	-2.0	0	- 1	-6
EZ Non-financial UK Non-financial	102 122	-2.8 -0.9	-5 -3	-16 8	-4 -3
Interbank m	arkets (%, ch	anges in b	Weekly	Monthly	YTD
EONIA Index Euribor 3m	-0.36 -0.33	0.00	0.0	0.0	0.0
Euribor 12m	-0.11	0.00	0.0	0.0	0.0
Libor 3m Libor 12m	1.15	0.00	0.0	0.1	0.2
EZ TED spread 3m	62.0 ck markets (	-0.50	1.1	9.8	-4.4
Main indices	Level	Daily	Weekly	Monthly	YTD
S&P500	2.357	-0.1 -0.3	0.4	4	4
Dow Jones Nikkel	20,643 19,217	0.1	0.9	- 1	-2
Nikkel FTSE 100 EuroStoxx 50	19.217 7.374 3.475	0.1 0.4 0.3	0.9 0.7 1.6	1 2 5	3 5
Nikkel FTSE 100 EuroStoxx 50 IBEX	19.217 7,374 3,475 10,368	0.1 0.4 0.3 -0.2	0.9 0.7 1.6 1.4	1 2 5	3 5 10
Nikkel FTSE 100 EuroStoxx 50 IBBX DAX CAC	19.217 7.374 3.475 10,368 12.203 5.069	0.1 0.4 0.3 -0.2 0.4 0.5	0.9 0.7 1.6 1.4 2.5 1.5	1 2 5 10 3 5	3 5 10 5 3
Nikkel ETESE 100 EuroStoxx 50 IBEX DAX CAC MIB ASE Athens	19.217 7.374 3.475 10,368 12.203 5.069 20,277 669	0.1 0.4 0.3 -0.2 0.4 0.5 -0.3 0.6	0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4	1 2 5 10 3 5 7	3 5 10 5 3 3
Nikon EuroStoxx 50 BEX DAX CAC MIB ASE Athens MSCI Latam * Ibovespa (Bazil)	19.217 7.374 3.475 10.368 12.203 5.069 20.277 669 77.383 65.228	0.1 0.4 0.3 -0.2 0.4 0.5 -0.3 0.6 0.6 0.9	0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4 2.4 2.7	1 2 5 10 3 5 7 4 0	3 5 10 5 3 3 2 6 6
Nikod EuroStoxus 50 IBIEX DAX CAC MIB ASE Athens MSG Latam* Ibiovespa @sazi0 Mecbol Mectod Metod Europe*	19.217 7.374 3.475 10.368 12.203 5.069 20.277 669 77.383 65.228 49.133 4.899	0.1 0.4 0.3 -0.2 0.4 0.5 -0.3 0.6 0.6	0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4 2.4	1 2 5 10 3 5 7 4 0 -2 4	3 5 10 5 3 3 2 6
Nikket FFES TOD EuroStoux 50 BIBX  DAX  CAC  MIB  ASS Alteris  MSCI Latam * Blovergat Girazi  Moctol  Motol  Motol  Merc Rinski)	19.217 7.374 3.475 10.368 12.203 5.069 20.277 669 77.383 65.228 49.133 4.899 2.214	0.1 0.4 0.3 -0.2 0.4 0.5 -0.3 0.6 0.6 0.9 -0.4 1.0 -0.5	0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4 2.4 2.7 1.3 -0.3	1 2 5 10 3 5 7 4 0 -2 4 -1	3 5 10 5 3 3 2 6 6 5 -3 11
Nikket FFES TOD EuroStoux 50 BIBX  DAX  CAC  MIB  ASS Alteris  MSCI Latam * Blovergat Girazi  Moctol  Motol  Motol  Merc Rinski)	19.217 7.374 3.475 10.368 12.203 5.069 20.277 669 77.383 65.228 49.133 4.899 2.214 2.024 89.270	0.1 0.4 0.3 -0.2 0.4 0.5 -0.3 0.6 0.6 0.9 -0.4 1.0 -0.5 -0.4 -1.0	0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4 2.7 1.3 0.3 -0.4 +1.8 -0.6	1 2 5 10 3 5 7 4 0 0 -2 4 -1 0 0 -2 2 2	3 5 10 5 3 3 2 6 6 5 -3 11 -11
Nikote FFEE 100  Eurodisous 50  Aux Cock  Aux Cock  Aux Albara  Aux Albara  Aux Albara  Moscorgan (Barzille  Moscol  Mostod  M	19.217 7.374 3.475 10.368 12.203 12.006 20.277 669 77.383 65.228 49.133 4.899 2.214 2.024 89.270 763 3.241	0.1 0.4 0.3 -0.2 0.4 0.5 -0.3 0.6 0.6 0.9 -0.4 1.0 -0.5 -0.4 -1.0 -0.5 -0.4	0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4 2.7 1.3 -0.3 -0.4 -1.8 -0.7 -0.1	1 2 5 10 3 5 7 4 0 0 •2 4 •1 0 •2 2 3 0 0	3 5 10 5 3 3 2 6 6 5 -3 11 -11 17 10 3
Nikote FFES 100 EaroStoux 50 EBEX DAX DAX DAX DAX MB ASE Alterns BOVCLaterns B	19.217 7.374 3.475 10.368 12.203 5.069 20.277 669 77.383 65.228 49.133 4.899 2.214 2.024 89.270 63 3.241 5.593	0.1 0.4 0.3 -0.2 0.4 0.5 -0.3 0.6 0.9 -0.4 1.0 0.5 -0.4 -1.0 0.5 -0.4 -1.0 0.5 -0.4	0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4 2.7 1.3 0.3 0.4 1.8 0.6 0.7 0.9 Weekly	1 2 5 10 3 5 7 4 0 •2 4 •1 0 •2 2 3	3 5 10 5 3 3 2 6 6 5 -3 11 -11 17
Nikide TFES 100 EuroSitous 50 EURX DAX DAX DAX MB ASS Afters MSCI Latam* Iboverapa Brazilo Montol Montol MSCI Marine* Iboverapa Brazilo Montol MSCI Marine* Iboverapa Grazilo MSCI GM Latape* Porturi MSCI GM Latape Sandyala (Latape) MSCI GM Latape Sandyala (Latape) MSCI GM Latape Sandyala (Latape) Banking sectors US bankin	19,217 7,374 3,475 10,368 12,203 5,069 20,277 669 77,383 65,228 49,133 4,899 2,214 2,024 89,270 763 3,241 5,593 level	0.1 0.4 0.3 -0.2 0.4 0.5 -0.3 0.6 0.9 -0.4 1.0 0.5 -0.4 -1.0 0.5 -0.4 -1.0 0.5 -0.4 -0.5 -0.4 -0.5 -0.5 -0.6 -0.9 -0.4 -0.5 -0.6 -0.9 -0.4 -0.5 -0.6 -0.6 -0.6 -0.6 -0.7	0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4 2.4 2.7 1.3 -0.3 -0.4 -1.8 -0.6 -0.7 -0.1 0.9 Weekly	1 2 5 5 10 3 5 7 4 0 0 -2 4 -1 0 0 -2 2 3 0 0 4 4 Monthly -5	3 5 10 5 3 3 2 6 6 5 -3 11 -11 17 10 3 6 YTD
Niked FFE TOO S  GROWN S  DAX  CAC  MISC Blowns  MSC Latam *  Blowneps disnot  MSC Latam *  Blowneps disnot  MSC DM Larope *  Podund Larope *  Podund Larope *  Not 100 Kurope	19,217 7,374 3,475 10,368 12,203 5,069 20,277 669 77,383 65,228 49,133 4,899 2,214 2,024 89,270 3,241 5,593 level 117,5 88,3 59,6	0.1 0.4 0.3 -0.2 0.4 0.5 -0.3 0.6 0.6 0.9 -0.4 -1.0 -0.5 -0.4 -0.9 -0.4 -0.9 -0.4 -0.9 -0.4 -0.3	0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4 2.7 1.3 -0.3 -0.3 -0.6 -0.7 -0.1 0.9 Weekly 1.5 0.8 3.1	1 2 5 5 10 3 5 7 4 0 0 -2 4 -1 0 0 -2 2 3 0 4 Monthly	3 5 10 5 3 3 2 6 6 5 -3 11 -11 17 10 3 6 VTD -2 2
Nikote FEE TOO  Earnelfoux 50  Carnelfoux 50  AX  CAC  MAS Althres  Mas Carnel  Mas Althres  Mas Carnel	19,217 7,374 3,475 10,368 12,203 5,069 20,277 669 77,383 65,228 49,133 4,899 2,214 2,024 49,270 763 3,241 5,593 level 117,5 88,3 59,6 23,4 43,0	0.1 0.4 0.3 -0.2 0.4 0.5 -0.3 0.6 0.6 0.9 -0.4 -1.0 0.9 -0.4 -1.0 0.9 -0.4 -1.0 0.9 -0.4 -1.0 0.9 -0.4 -1.0 -0.5 -0.4 -0.5 -0.5 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.7	0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4 2.7 1.3 0.3 0.3 1.8 0.6 0.7 0.1 0.9 Weekly 1.5 0.8 3.1 2.1 1.9	1 2 5 10 3 5 7 4 0 0 -2 4 1 1 0 0 -2 2 3 3 0 4 4 Monthly -5 -2 -1 -5 -6	3 5 10 5 3 3 2 6 6 5 -3 11 17 10 3 6 VTD -2 2 -3 2
Nikote PEFS TOO Carestions 50	19,217 7,374 3,475 10,368 12,203 5,069 20,277 669 77,383 65,228 49,133 4,899 2,214 2,024 49,270 63 3,241 5,593 level 117,5 88,3 59,6 23,4 43,0 228,5	0.1 0.4 0.3 -0.2 0.4 0.5 -0.3 0.6 0.9 -0.4 -1.0 -0.5 -0.4 -0.5 -0.4 -0.9 -0.4 -1.0 -0.5 -0.4 -1.0 -0.5 -0.4 -1.0 -0.5 -0.4 -0.5 -	0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4 2.7 1.3 -0.4 -1.8 -0.7 -0.1 0.9 Weekly 1.5 0.8 3.1 1.9 -1.1 1.6	1 2 5 10 3 5 7 4 4 0 0 -2 4 4 -1 0 0 -2 2 2 3 0 4 4 Monthly -5 -2 -1 -5 -6 -8 11	3 5 10 5 3 3 2 6 6 5 -3 11 17 10 3 6 YTD -2 2 3 2 -1 -6 0
Nikote TFES TOO  EuroSitous 50  BEAN CAN CAN CAN CAN CAN CAN CAN CAN CAN C	19,217 7,374 3,475 10,368 12,203 5,069 20,277 669 77,383 65,228 49,133 4,899 2,214 2,024 489,270 117,5 88,3 59,6 23,4 43,0 228,5 105,3 62,0	0.1 0.4 0.3 -0.2 0.4 0.5 -0.3 0.6 0.6 0.9 -0.4 1.0 0.5 -0.4 1.0 0.5 -0.4 0.9 -0.4 0.0 0.5 -0.4 0.9 -0.4 0.0 0.5 -0.4 0.0 0.5 -0.4 0.0 0.5 -0.4 0.0 0.5 -0.6 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	0.9 0.7 1.6 1.4 2.5 1.5 1.6 1.4 2.4 2.7 1.3 -0.3 -0.4 -1.8 -0.6 -0.7 -0.1 0.9 Weekly 1.5 0.8 3.1 1.9 1.1 1.6 2.9 3.6	1 2 5 10 3 5 7 4 4 0 -2 2 4 4 -1 0 2 2 3 0 4 4 Monthly -5 -2 -1 -5 -6 8 11 13 12	3 5 10 5 3 3 3 2 6 6 6 5 3 11 17 10 3 6 6 YTD 2 2 3 2 2 1 6 6 0 0 1 3 3
Niked FFEE 100 S  GRAND S  DAX CAC  ASS CLEAR  SSS CLEAR  MSC LEAR  MSC LEAR	19,217 7,374 3,475 10,368 12,203 5,069 20,277 669 77,383 65,228 49,133 4,899 2,214 2,214 2,214 2,214 5,593 Level 117,5 88,3 59,6 23,4 43,0 228,5 105,3	0.1 0.4 0.3 -0.2 0.4 0.5 -0.3 0.6 0.9 -0.4 1.0 -0.5 -0.4 -1.0 0.5 -0.4 -1.0 0.5 -0.4 -1.0 0.5 -0.4 -0.5 -0.4 -0.5 -0.6 -0.9 -0.4 -0.5 -0.6 -0.9 -0.6 -0.9 -0.4 -0.5 -0.6 -0.9 -0.6 -0.9 -0.6 -0.9 -0.6 -0.9 -0.6 -0.9 -0.6 -0.9 -0.6 -0.9 -0.6 -0.9 -0.6 -0.9 -0.6 -0.9 -0.6 -0.9 -0.6 -0.9 -0.6 -0.9 -0.6 -0.9 -0.6 -0.9 -0.6 -0.9	0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4 2.7 1.3 -0.3 -0.4 -0.1 1.9 -0.6 -0.7 0.8 3.1 1.5 0.8 3.1 1.5 0.8 3.1 1.5 0.8 0.9 1.5 0.9 1.6 0.8 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 2 5 10 3 5 7 4 0 0 -2 4 4 -1 0 0 -2 2 3 0 4 4 Monthly -5 -2 -1 -5 -6 -8 11 13	3 5 10 5 3 3 3 2 6 6 6 5 5 3 11 1 7 10 3 6 6 7 10 2 2 2 3 2 2 1 6 6 0 1 1 1 6 0 0 1 1
Nikote FEES 100  EarnSilva S 0  AS A CAC  AS MB AS A Reves  MSC Lating:  MSC Lating	19,217 7,374 3,475 10,368 12,203 5,069 20,277 669 77,383 65,228 49,133 4,899 2,214 2,024 89,270 763 3,241 5,593 level 117,5 88,3 59,6 23,4 43,0 228,5 105,3 62,0 12,6 16,2 13,9	0.1 0.4 0.3 -0.2 0.4 0.5 -0.3 0.6 0.6 0.6 0.6 0.9 -0.4 1.0 0.5 -0.4 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.9 0.7 1.6 1.4 2.5 1.5 1.5 1.6 4.4 2.7 1.3 0.3 0.3 0.3 0.6 0.7 0.1 1.8 0.6 0.7 0.1 1.9 1.1 1.6 2.9 0.8 3.1 1.9 1.1 0.9 0.8 3.1 0.9 0.8 0.8 0.9 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	1 2 5 5 10 3 3 5 5 7 4 4 0 0 -2 2 3 0 0 4 4 4 4 1 1 5 5 6 8 8 11 1 13 12 -2 8 8 15 15	3 5 10 5 3 3 2 2 6 6 5 5 3 11 11 17 10 3 6 6 7 TD 2 2 2 1 1 6 6 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Nikota FEES TOO  Carestions 50  Carestions 50  CAR  OAX  CAC  MINISTER  MINI	19,217 7,374 3,475 10,368 12,203 5,069 20,277 669 77,383 65,228 49,133 4,899 2,214 42,214 89,270 32,214 5,593 1evel 117,5 88,3 59,6 23,4 43,0 228,5 105,3 62,0 12,6 16,2 13,9 2,5 47,2	0.1 0.4 0.3 -0.2 0.4 0.5 -0.3 0.6 0.6 0.6 0.6 0.9 -0.4 1.0 0.5 -0.4 0.9 0.2 -0.4 0.3 0.2 -0.4 0.5 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	0.9 0.7 1.6 1.4 1.5 1.5 1.5 1.6 1.6 1.4 1.4 1.8 1.6 1.6 1.6 1.7 1.3 1.6 1.6 1.6 1.7 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8	1 2 5 5 10 3 3 5 5 7 4 0 0 -2 4 4 1 0 0 -2 2 3 0 0 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 5 10 5 3 3 2 6 6 6 5 3 11 17 10 3 6 6 YTD -2 2 -3 3 2 -1 -6 6 0 1 3 3 -1 0 0 -1 1 -2 2
Nisked FFES TOO EuroSitous 50	19,217 7,374 3,475 10,368 12,203 5,069 20,277 669 77,383 65,228 49,133 4,899 2,214 2,214 2,214 5,593 1,241 5,593 1,241 5,593 1,241 5,593 1,241 1,175 1,188 1	0.1 0.4 0.3 -0.2 0.4 0.5 -0.3 0.6 0.6 0.6 0.6 0.9 -0.4 1.0 0.5 -0.3 -0.5 -0.3 -0.5 -0.3 -0.5 -0.3 -0.5 -0.3 -0.5 -0.3 -0.5 -0.3 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5	0.9 0.7 1.6 1.4 2.5 1.5 1.5 1.6 4.4 2.7 1.3 0.3 0.4 2.7 0.1 1.8 1.9 1.1 1.9 1.1 1.9 1.1 1.0 2.9 0.8 3.1 1.9 1.1 1.9 1.1 1.9 1.1 1.9 1.1 1.9 1.1 1.0 2.9 0.8 3.1 1.9 1.1 1.9 1.1 1.9 1.1 1.9 1.1 1.9 1.1 1.9 1.1 1.9 1.1 1.9 1.1 1.1	1 2 5 5 10 3 3 5 7 4 0 0 2 4 4 -1 1 0 0 -2 2 2 3 0 0 4 4 1 1 5 5 -2 1 1 5 6 6 8 11 11 3 12 2 8 8 15 14	3 5 5 10 5 3 3 2 2 6 6 6 5 -3 3 111 177 100 3 6 6 7 11 177 100 3 6 7 11 177 100 3 6 10 10 10 10 10 10 10 10 10 10 10 10 10
Nikote FEES 100  Earnistous 50  Carnistous 50  ASK Alleres  MSC Latin 30  ASK Alleres  MSC Latin 30	19,217 7,374 3,475 10,368 12,203 50,277 669 20,277 669 77,383 65,228 49,133 4,899 2,214 2,024 489,270 3,241 17,55 188,3 59,6 23,4 43,0 228,5 105,3 62,0 12,6 16,2 13,9 2,5 47,2 14,3 87,5 656,4	0.1 0.4 0.3 -0.2 0.4 0.5 0.6 0.6 0.9 -0.4 1.0 0.5 0.6 0.9 -0.4 1.0 0.2 -0.4 0.2 -0.3 0.3 0.6 0.6 0.9 0.1 0.4 0.5 0.6 0.6 0.9 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	0.9 0.7 1.6 1.4 1.5 1.5 1.5 1.6 4.4 2.7 1.3 0.0 1.8 0.6 0.7 0.1 0.9 Weskly 1.1 1.1 1.6 0.9 0.7 0.1 0.9 1.1 1.1 1.6 0.9 0.7 0.9 0.9 1.1 1.6 0.9 0.9 0.9 0.9 0.9 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	1 2 5 5 10 3 3 5 5 7 4 4 0 0 -2 2 4 4 -1 0 0 -2 2 3 3 0 4 4 -1 5 5 -5 6 8 11 13 12 2 8 15 15 14 15 0 0	3 5 5 10 5 3 3 2 2 6 6 6 5 3 11 17 10 3 6 6 7 10 2 2 . 3 2 2 - 1 6 6 0 1 1 2 2 2 0 0 - 2 3 3
Nikote TFES TOO  Earnston SO  Earnston SO  Earnston SO  ACA  CAC  MINE SO  ACA  CAC  MINE SO	19,217 7,374 3,475 10,368 12,203 50,207 76,333 40,133 40,133 40,133 40,133 50,6 12,204 40,133 50,6 12,204 40,133 50,6 12,214 40,024 40,024 40,024 40,024 40,024 40,024 40,024 40,024 40,024 40,024 40,024 40,024 40,024 41,03	0.1 0.4 0.3 0.2 0.2 0.3 0.6 0.6 0.9 0.6 0.9 0.5 0.6 0.9 0.5 0.0 0.5 0.0 0.5 0.0 0.5 0.0 0.5 0.0 0.5 0.0 0.5 0.0 0.5 0.0 0.0	0.9 0.7 1.6 1.4 1.4 1.5 1.5 1.5 1.5 1.5 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 2 5 10 3 3 5 7 4 4 0 0 -2 2 4 4 -1 1 0 0 -2 2 -1 1 -1 5 -6 8 -1 11 13 12 -2 8 15 15 14 15 5 0 2 3 3 1 -4 -4 -4	35 510 53 3 3 2 2 6 6 6 5 3 3 111 -111 177 100 3 6 6 710 -2 2 -3 3 -1 1 -1 0 -1 1 -2 2 -2 3 -3 3 -1 1 -1 2 -2 2 -3 3 -3 3 -1 3 -1 4 -1 5 -1 5 -1 6 -1 6 -1 7 -1 7 -1 7 -1 7 -1 7 -1 7 -1 7 -1 8 -1 7 -1 7 -1 7 -1 7 -1 7 -1 7 -1 7 -1 7
Nikote TFES TOO  Earnstons 50 E	19.217 7.334 3.475 10.368 12.003 20.277 65.228 49.133 49.133 49.270 7.363 89.270 7.363 89.270	0.1 0.4 0.3 0.2 0.2 0.3 0.6 0.9 0.6 0.9 0.6 0.9 0.5 0.6 0.9 0.5 0.0 0.5 0.0 0.5 0.0 0.5 0.0 0.6 0.5 0.0 0.6 0.6 0.0 0.6 0.6 0.0 0.6 0.6 0.6	0.9 0.7 1.6 1.4 2.5 1.5 1.5 1.5 1.6 4.4 2.7 1.3 0.3 0.3 0.8 1.1 2.1 1.5 0.8 0.9 0.7 0.6 0.9 0.7 1.1 1.0 0.9 0.7 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1	1 2 5 10 3 3 5 7 4 4 0 0 2 2 4 4 1 1 0 0 2 2 2 1 1 1 3 1 2 2 8 1 1 1 3 1 2 2 8 1 1 1 1 1 5 1 4 1 1 5 1 1 4 1 1 5 1 1 4 1 1 5 1 1 4 1 1 5 1 1 4 1 1 5 1 1 4 1 1 5 1 1 4 1 1 5 1 1 3 1 1 4 1 1 5 1 1 3 1 1 4 1 1 5 1 1 3 1 1 3 1 1 4 1 1 5 1 1 3 1 1 3 1 1 4 1 1 5 1 1 3 1 1 3 1 1 3 1 1 4 1 1 5 1 1 3 1 3 1 1 3 1	35 510 53 3 3 2 2 6 6 6 5 -3 3 111 -111 177 100 3 6 6 710 -2 2 -3 3 -2 0 -1 1 -2 2 0 0 -2 3 3 -3 3 -1 1 -2 2 0 0 -2 3 3 3 -1 1 -2 1 -2 1 -2 1 -2 1 -2 1 -2 1 -2 1
Nikota TETES 100.05 GENERAL SERVICES GENERAL SERVICES GENERAL SERVICES GENERAL SERVICES MACI ALLAM	19.217	0.1 0.4 0.3 0.2 0.4 0.5 0.6 0.9 0.6 0.9 0.4 1.0 0.5 0.4 1.0 0.5 0.4 1.0 0.5 0.4 1.0 0.5 0.6 0.9 0.6 0.9 0.6 0.9 0.6 0.9 0.6 0.9 0.6 0.9 0.6 0.9 0.6 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.9 0.7 1.6 1.4 2.5 1.6 1.5 1.6 1.5 1.6 1.6 1.7 1.7 1.8 1.8 1.8 1.9 1.9 1.9 1.1 1.9 1.1 1.9 1.1 1.0 1.0 1.1 1.0 1.0 1.0 1.0 1.0 1.0	1 2 5 5 10 3 5 5 7 4 4 10 0 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	35 100 53 33 22 66 55 33 111 411 177 100 3 66 5 2 2 2 3 2 4 1 6 6 0 0 1 1 2 2 0 0 1 1 2 2 2 0 0 2 2 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1
Nikota TEFE 100.5  TURE 100.5	19.217	0.1 0.4 0.3 0.2 0.4 0.5 0.5 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	0.9 0.7 1.6 1.4 2.5 1.6 1.5 1.6 1.6 1.7 1.6 1.6 1.7 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 2 5 5 10 3 5 5 7 4 4 1 10 2 2 3 3 0 4 4 1 15 12 2 2 1 1 13 12 2 2 1 1 15 14 15 15 14 15 15 14 15 15 16 16 2 3 3 1 1 17 16 2 3 1 17 16 2 3 1 17 16 2 3 1 17 16 2 3 1 17 16 2 3 1 1 16 2 3 1 17 16 2 3 1 1 16 2 3 1 1 17 16 2 3 1 1 17 16 2 3 1 1 17 16 2 3 1 1 17 16 2 3 1 1 17 16 2 3 1 1 17 16 2 3 1 1 17 16 2 3 1 1 17 16 2 3 1 1 1 16 2 3 1 1 1 16 2 3 1 1 1 16 2 3 1 1 1 16 2 3 1 1 1 16 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	35 100 53 33 22 66 55 3111 -111 1710 3 66 7710 3 66 7710 4 60 4 60 6 60 6 73 7710 7710 7710 7710 7710 7710 7710 77
Nikote FEE TOO  Earns/bux 50  Carching to the too the	19.217 7.374 10.368 12.003 5.669 12.003 5.669 12.003 6.528 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0.1 0.4 0.3 0.2 0.4 0.5 0.5 0.6 0.9 0.2 0.4 1.0 0.5 0.4 1.0 0.5 0.4 1.0 0.5 0.4 1.0 0.5 0.4 1.0 0.5 0.4 1.0 0.5 0.4 0.9 0.2 0.4 0.4 0.5 0.3 0.2 0.3 0.2 0.3 0.2 0.3 0.2 0.3 0.2 0.3 0.3 0.2 0.5 0.3 0.1 0.8 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.9 0.7 1.6 1.4 2.5 1.6 1.5 1.6 1.6 1.7 1.3 0.4 1.8 0.6 0.7 0.1 1.8 0.7 0.1 1.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0	1 2 5 5 10 3 5 5 7 4 4 0 0 -2 1 4 -1 1 0 0 -2 2 3 0 4 4 -1 1 5 5 -6 8 8 15 1 1 1 1 1 1 1 2 2 8 8 1 1 1 1 1 1 1 1 1	35 100 53 33 22 66 55 33 111 411 177 100 3 66 5 2 2 2 3 2 4 1 6 6 0 0 1 1 2 2 0 0 1 1 2 2 2 0 0 2 2 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1
Nikota TETE TOO S  TOO S	19.217 1.374 1.374 1.375 1.500 1	0.1 0.4 0.3 0.2 0.4 0.5 0.5 0.5 0.9 0.9 0.4 1.0 0.5 0.5 0.2 0.5 0.2 0.2 0.5 0.2 0.2 0.5 0.2 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.9 0.7 1.6 1.4 2.5 1.6 1.5 1.6 1.5 1.6 1.5 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 2 5 5 7 10 3 5 5 7 4 4 0 0 2 4 4 1 0 0 2 2 3 3 0 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	35 100 55 33 32 26 66 55 33 111 177 100 22 33 22 41 46 60 113 3 4 114 114 115 22 20 20 20 20 20 20 20 20 20 20 20 20
Nikola TERES 100.05 GERENOS 50 GE	19.217 1.374 1.375	0.1 0.4 0.3 0.2 0.4 0.5 0.5 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	0.9 0.7 1.6 1.4 2.5 1.5 1.6 1.5 1.6 1.5 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 2 5 10 3 3 5 7 4 0 0 2 4 4 1 1 0 0 2 2 2 3 3 0 4 1 1 5 5 6 6 8 11 13 13 13 15 15 13 17 16 23 13 17 16 23 13 17 16 23 13 17 16 8 15 15 15 16 15 16 16 16 16 16 16 16 16 16 16 16 16 16	3 5 100 5 3 3 3 2 6 6 6 5 3 3 111 177 100 3 6 6 7 100 4 1 2 2 2 3 3 3 11 1 11 11 11 11 11 11 11 11 11 1
Nisked TFEE TOOLS 50  CARCADOS 50  CARCADOS 50  CARCADOS 50  CARCADOS 50  ASSECTIONS 50  ASSECTI	19.217 1, 2474	0.1 0.4 0.3 0.4 0.3 0.2 0.4 0.5 0.3 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.7 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.9 0.7 1.6 1.4 2.5 1.6 1.5 1.6 1.6 1.5 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 2 5 5 10 3 3 5 5 7 4 0 0 2 4 4 1 0 0 2 2 3 3 0 4 4 1 1 5 5 6 6 8 15 1 1 1 1 1 1 2 2 8 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 5 5 100 5 5 3 3 3 2 6 6 6 5 5 3 3 111 177 170 3 6 6 7 100 1 2 2 2 3 2 2 1 4 6 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Nikote FEES TOO  Famedisous 50  Carestious 50  CAC  CAC  MB  MB  ASE Alleres  MSC Laters	19.217 1, 23.4 1, 24.5 1, 24.5 1, 25.5	0.1 0.4 0.3 0.2 0.4 0.3 0.5 0.3 0.5 0.3 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.7 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.9 0.7 1.6 1.4 2.5 1.6 1.5 1.6 1.6 1.6 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	1 2 5 10 3 3 5 7 4 0 0 2 4 1 1 1 0 0 0 2 2 2 2 3 3 0 4 Monthly 13 15 14 15 13 17 16 23 3 17 16 23 13 15 14 15 15 15 16 15 16 16 16 16 16 16 16 16 16 16 16 16 16	3 5 100 5 3 3 2 6 6 6 5 3 3 3 6 6 6 5 5 3 3 6 6 6 5 5 3 6 7 10 1 17 10 10 2 2 2 3 3 3 3 11 11 11 11 11 11 11 11 11 11 1
Nikota TEST 100x 50  TEST 100x 50  DAX CAC MISS 100x 100x 100x 100x 100x 100x 100x 10	19.217 1.737	0.1 0.4 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	0.9 0.7 1.6 1.4 2.5 1.4 2.7 1.3 1.5 1.4 2.7 1.3 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	1 2 2 5 10 3 3 5 7 7 4 0 0 2 2 4 4 1 1 0 0 2 2 3 3 0 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 5 100 5 3 3 2 6 6 6 5 3 3 6 6 6 5 5 3 6 7 11 1 17 100 3 6 6 7 100 1 1 17 100 1 1 1 1 1 1 1 1 1 1 1
Nikele TFEE TOOLS TERESTONS 50	19.217 1, 27.27 2, 27	0.1 0.4 0.3 0.4 0.5 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	0.9 0.7 1.6 1.4 2.5 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 2 2 5 10 3 3 5 7 7 4 0 0 2 2 4 4 1 1 0 0 2 2 3 3 0 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 5 100 5 3 3 2 6 6 6 5 9 3 111 17 100 3 6 6 7 100 100 100 100 100 100 100 100 100 1
Nikota TEST 100x 50  TEST 100x 50  DAX CAC MISS 100x 100x 100x 100x 100x 100x 100x 10	19.217 1.227	0.1 0.4 0.3 0.4 0.3 0.6 0.9 0.3 0.6 0.9 0.4 1.0 0.5 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	0.9 0.7 1.6 1.4 1.2 1.5 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 2 2 5 10 3 3 5 7 4 0 0 2 4 4 1 1 0 0 2 2 3 3 0 4 4 1 1 5 1 2 2 8 1 1 1 1 1 1 2 2 2 8 1 1 1 1 1 1	3 5 100 5 3 3 3 2 6 6 6 5 3 3 11 17 100 3 6 6 7 100 100 100 100 100 100 100 100 100 1
Nikele STEET 100	19.217	0.1 0.4 0.3 0.4 0.3 0.6 0.9 0.6 0.9 0.6 0.9 0.6 0.9 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	0.9 0.7 1.6 1.4 1.4 1.8 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 2 2 5 10 3 3 5 7 4 4 1 0 0 2 2 2 3 0 0 4 4 1 1 1 5 5 6 6 8 11 1 3 1 2 2 8 8 1 1 1 1 5 1 5 6 6 8 1 1 1 1 5 1 5 6 6 8 1 1 1 1 1 5 1 5 6 6 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 5 100 5 3 3 3 2 6 6 6 5 3 3 1 11 11 11 11 12 12 2 2 0 0 2 2 3 3 3 3 1 11 11 11 11 12 12 2 5 3 3 4 4 4 4 4 4 4 4 4 4 3 3 1 2 2 1 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Nickel FFEE TOOLS GENERAL STATES GEN	19.217 1, 27.27 2, 27	0.1 0.4 0.3 0.4 0.3 0.6 0.9 0.3 0.6 0.9 0.6 0.9 0.7 0.7 0.8 0.9 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.9 0.7 1.6 1.4 1.4 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 2 2 5 10 3 3 5 7 7 4 4 10 0 2 2 1 3 10 10 10 10 10 10 10 10 10 10 10 10 10	3 5 5 100 5 3 3 3 2 2 6 6 6 5 3 11 1 17 17 100 3 6 6 7 100 3 6 6 7 10 100 10 10 10 10 10 10 10 10 10 10 10
Nisked FFEE TOO S  TURE TOO S  TURE TOO S  TURE TOO S  TURE TOO S  ASS AUthors  ASS AUthors  ASS AUthors  ASS AUthors  MASC EM Europe  Poland  Mobild	19.217 1, 224 1, 2	0.1 0.4 0.3 0.4 0.3 0.6 0.9 0.9 0.6 0.9 0.6 0.9 0.9 0.8 0.0 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.9 0.7 1.6 0.7 1.6 0.7 1.6 0.7 1.6 0.7 1.6 0.7 1.6 0.7 1.6 0.7 1.6 0.7 1.8 0.7 1.8 0.7 1.8 0.7 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	1 2 2 5 10 3 3 10 10 10 10 10 10 10 10 10 10 10 10 10	3 5 100 5 3 3 3 2 6 6 6 6 6 6 7 100 3 6 6 6 7 100 3 6 6 7 100 3 6 7 100 3 6 7 100 3 6 7 100 3
Nisked FEE TOOLS	19.217 7.3746 7.	0.1 0.4 0.3 0.4 0.5 0.6 0.9 0.6 0.9 0.6 0.9 0.6 0.9 0.6 0.9 0.7 0.6 0.9 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	0.9	1 2 5 5 4 6 6 6 8 11 13 12 2 2 2 3 6 6 6 8 11 1 13 12 2 2 2 3 1 1 1 15 15 14 15 15 16 15 16 15 16 15 16 16 16 16 16 16 16 16 16 16 16 16 16	3 5 100 5 3 3 3 2 6 6 6 6 6 5 3 11 1 17 10 3 3 6 7 10 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Nisked FFEE TOOLS GENERAL STATES GEN	19.217 1,7374 1,	0.1 0.4 0.3 0.4 0.5 0.6 0.3 0.6 0.6 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.9 0.7 1.6 0.7 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 2 5 5 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3 5 100 5 3 3 2 2 6 6 5 3 3 111 117 127 2 2 3 3 3 3 3 11 111 111 127 2 5 3 3 4 4 7 7 6 6 6 2 2 2 4 7 7 6 6 6 2 2 2 4 7 7 6 6 6 2 2 1 5 5 3
Nisked FFEE TOOK 50 CARCENSON 5	19.217 1, 2747 2, 2747 3, 274 1, 274	0.1 0.4 0.3 0.4 0.5 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	0.90 0.71 1.60 0.77 1.60 1.60 1.60 1.60 1.60 1.60 1.60 1.60	1 2 2 5 3 3 3 5 5 4 4 4 9 2 2 2 3 3 0 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 5 100 5 3 3 3 2 2 6 6 6 5 3 3 111 17 7 7 100 2 2 2 2 3 3 3 3 1 11 11 11 11 12 1 7 7 2 5 3 3 4 4 7 7 7 6 6 6 6 2 1
Nisked FPES 100x 50 Careations 50 Careations 50 Careations 50 CAC CAC MAS Allers MAS Allers MAS Allers MAS Allers MAS Careations Mas Careatio	19.217 1, 27.27 2, 20	0.1	0.9 0.7 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 2 2 5 3 3 3 5 7 7 4 4 0 2 2 2 3 3 6 5 6 6 8 1 11 1 1 1 2 2 2 8 8 1 5 1 1 4 1 1 2 2 2 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 5 100 5 3 3 3 2 2 6 6 6 5 3 3 3 1 11 1 17 17 2 2 2 2 2 1 4 6 0 0 1 1 2 2 2 0 0 2 2 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1
Nisked FFEE TOOLS 50 FIRE TOOL	19.217 1, 27.27 2, 27	0.1	0.9 0.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1 2 5 5 6 6 6 8 8 8 1 12 2 2 2 3 3 0 4 4 1 0 0 2 2 2 3 3 0 4 4 1 1 5 6 6 8 8 8 1 12 2 2 2 8 8 8 1 12 2 2 8 8 8 1 12 2 2 8 8 8 1 12 2 2 8 8 8 1 12 2 2 8 8 8 1 12 2 2 8 8 8 1 12 2 2 8 8 8 1 12 2 2 8 8 8 1 12 2 2 8 8 8 1 12 2 2 8 8 8 1 12 2 2 8 1 13 1 13	3 5 5 10 5 5 3 3 2 6 6 6 6 5 3 3 7 11 1 17 10 0 3 6 6 7 10 10 10 10 10 10 10 10 10 10 10 10 10
Nisked FFEE TOO S  TARTONS 50  CARCENS 50	19.217 1, 2747 2, 2747 3, 2747	0.1 0.4 0.4 0.5 0.4 0.5 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	0.9 0.9 0.7 1.0 0.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1 2 5 5 4 3 5 7 7 4 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3 5 100 5 3 3 3 2 6 6 6 5 3 3 6 6 6 5 5 3 3 6 6 6 6 5 5 6 6 6 6
Nisked FPES 100x 50 CARCASON 5	19.217 1, 27.27 2, 27	0.1 0.4 0.4 0.5 0.2 0.3 0.6 0.6 0.3 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	0.9 0.7 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 2 2 3 3 3 5 7 4 4 0 2 2 2 3 3 1 4 1 0 2 2 2 3 3 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Nicket FEE TOOL S	19.217 7.2746 7.	0.1	0.9 0.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1 2 2 5 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 5 5 10 5 5 3 3 3 2 6 6 5 5 3 3 1 1 17 100 2 2 3 3 3 3 3 1 1 11 11 11 11 11 11 11 11 1





D ebt markets	(10Y,%,d	anges in t	p)		
Developed Markets US (2-yr)	1.27	Daily -2.8	Week 2.6	Month 8	YTD 6
US GER (2-yr)	2.39	-2.7 -4.7	-1.4 2.3	3	-5
Germany France	0.34	-4.5 -2.5	-6.5 -11.1	15	7
Spain	1.65	-3.2	-8.9	-9	14
Italy Portugal	2.14 4.01	-1.8 -6.2	-11.9 -14.6	-15	-17
Greece Japan (2-yr)	6.97	-14.3 1.6	-43.4 0.8	-17	9 -6
Japan Emerging Markets	0.06	-0.3 Daily	0.4 Weekly	2 -1 Monthly	-1 YTD
Brazil	10.12	-4.3	-14.4	-11	-129
Chile Colombia	6.69	0.0 -2.0	-8.7 -12.2	-3 -23	-18 -40
Mexico Peru	7.14 5.77	-0.1 -1.4	-1.6 -12.9	-18 -36	-50 -71
Poland Russia	3.54	0.8	-6.0	-28 -22	-18 -38
Turkey	8.06 10.76 6.75	10.0	-4.7 24.0	24	-24
India Indonesia	6.75 7.09	3.8	-6.8 -5.4	-13 -45	37 -75
Country ris		es in bp)			
Developed Markets 10-yr sovereign spread vs Germany	level	Daily	Weekly	Monthly	YTD
France	59	2.1	-4.5	-9	6
Italy Portugal	180 367	2.7 -1.8	-5.4 -8.2	-14 -30	21 -23
Spain 2-vr sovereign spread vs Germany	131	1.3	-2.4	-24	7
France	40	2.5	9.1	1	30
Italy Portugal	68 135	4.2 2.3	-6.9 -5.0	-25 -25	-12
Spain	55	4.9	-2.1	-26	7
Emerging Markets 5-yr sovereign CDS*	level	Daily	Weekly	Monthly	YTD
Brazil	228	-4	-5	8	-43
Chile Colombia	73 134	-2 -3	-6 -12	-2 -4	-9 -29
Mexico	132	-2	-11	-8	-25
Peru Venezuela	103 3.541	-2 132	-6 76	141	-5 -364
Poland	69	0	2	- 1	-6
Russia Turkey	172 234	-1	6	3	-4 -38
China India	84 100	4	-2 -6	-8 -1	-33
Indonesia	129	-1	-6 -1	-1	-27 -27
Risi Volatilty indicators (%)	k indicators	Daily	Weekly	Month	YTD
VIX	level 11	-1.1	-11	Monthly -6	0
VSTOXX EM EFT volatility Index	16 16	0.4 -5.5	10 -8	-1 -7	-1 -19
Dollar/euro volatility	9	1.4	17	3	-18
EM FX volatility index Credit spread (BAA) (bps)	9 225	-0.2 2.7	0	-5 2	-17 -2
US bonds volatility index	62	-1.2	-3	-13	-19
Banking 5 y CDS (bps) *	level 66	Daily -2.0	Weekly 0	Monthly 1	YTD -6
EZ	104	-2.8	-5	-16	-4
UK Large Spanish	75 107	-1.4 -4.3	1 -6	-6 -7	-15 -10
Medium Spanish	162	-2.5	-2	-6	- 11
Corporate 5y CDS (bps) *	level 153	Daily -2.0	Weekly	Monthly	YTD -6
EZ Non-financial	102	-2.8	-5	-16	-4
UK Non-financial Interbank mar	122 kets (%, ch	-0.9 anges in by	-3	8	-3
	level	Daily	Weekly	Monthly	YTD
EONIA Index Euribor 3 m	-0.36 -0.33	0.00	0.0	0.0	0.0
Euribor 12m	-0.11 1.15	0.00	0.0	0.0	0.0
Libor 3m Libor 12m	1.80	0.00	0.0	0.1	0.1
EZ TED spread 3m	62.0	-0.50	1.1	9.8	-4.4
	k markets (				
Main indices	level	Daily	Weekly	Monthly	YTD
Main indices S&P500 Dow Jones	2,357 20,643	Daily -0.1 -0.3	0.4 -0.1	-1	4
Main indices S&P500 Dow Jones Nikkei	2,357 20,643 19,217	Daily -0.1 -0.3 0.1	0.4 -0.1 0.9	-1 -1 1	4 4 -2
Main indices S&P500 Dow Jones Nikkei FTSE 100 EuroStoxx 50	2,357 20,643 19,217 7,374 3,475	Daily -0.1 -0.3 -0.1 -0.4 -0.3	0.4 -0.1 0.9 0.7 1.6	-1 -1 1 2 5	4 -2 -3 5
Main indices \$&P500 Dow Jones Nikled FTSE 100 EuroStoxx 50 IBEX	2,357 20,643 19,217	Daily -0.1 -0.3 -0.1 -0.4	0.4 -0.1 0.9 0.7	-1 -1 1 2	4 -4 -2 3
Main indices \$&P500 Dow Jones Niklderi FTSE 100 EuroStoxx 50 IBEX DAX CAC	2,357 20,643 19,217 7,374 3,475 10,368 12,203 5,069	Daily -0.1 -0.3 -0.1 -0.4 -0.3 -0.2 -0.4 -0.5	0.4 -0.1 0.9 0.7 1.6 1.4 2.5 1.5	-1 -1 1 2 5 10 3	4 -2 3 5 10 5
Main indices \$4.500 Dow Jones Näkkei FTSE 100 EuroStoux 80 BIBCX DAX CAC MIB MS ASK Athens	2,357 20,643 19,217 7,374 3,475 10,368 12,203 5,069 20,277 669	Daily -0.1 -0.3 0.1 0.4 0.3 -0.2 0.4 0.5 -0.3 0.6	0.4 -0.1 0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4	-1 -1 1 2 5 10 3 5 7	4 4 -2 3 5 10 5 3 3 2
Main indices \$48900 Down Jones Näkeri Näkeri FTEST 00 EuroSabox 50 BARCO	1evel 2,357 20,643 19,217 7,374 3,475 10,368 12,203 5,069 20,277 669 77,383	Daily -0.1 -0.3 -0.1 -0.4 -0.3 -0.2 -0.4 -0.5 -0.3 -0.6	0.4 -0.1 0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4 2.4	-1 -1 1 2 5 10 3 5 7 4	4 4 -2 3 5 10 5 3 3 2 6
Main indices \$69-500  Down Jones Wakes  INSECTION STATES TO STATES	level 2,357 20,643 19,217 7,374 3,475 10,368 12,203 5,069 20,277 669 77,383 65,228	Daily -0.1 -0.3 -0.1 -0.4 -0.3 -0.2 -0.4 -0.5 -0.3 -0.6 -0.6 -0.9 -0.4	0.4 -0.1 0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4 2.4 2.7 1.3	-1 -1 1 2 5 10 3 5 7 4 0 -2 4	4 4 -2 3 5 10 5 3 3 2 6 6 5
MERITARIO SASSASSASSASSASSASSASSASSASSASSASSASSAS	level 2.357 20.643 19.217 7.374 3.475 10.368 12.203 5.069 20.277 669 77.383 65.228 49.133 4.899	Daily -0.1 -0.3 -0.1 -0.4 -0.3 -0.2 -0.4 -0.5 -0.3 -0.6 -0.6 -0.9 -0.4 -1.0	0.4 -0.1 0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4 2.4 2.7 1.3 -0.3	-1 -1 1 2 5 10 3 5 7 4 0 -2 4 -1	4 4 -2 3 5 10 5 3 3 2 6 6 5 -3
MSIn Indices \$6.950  Down Jones  Union Jones	10vel 2,357 20,643 19,217 7,374 3,475 10,368 12,203 5,069 20,277 669 77,383 4,899 2,214 4,899 2,214 2,024	Daily -0.1 -0.3 -0.1 -0.4 -0.3 -0.2 -0.4 -0.5 -0.3 -0.6 -0.6 -0.9 -0.4 -1.0 -0.5 -0.4	0.4 -0.1 0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4 2.4 2.7 1.3 -0.3 -0.4 -1.8	-1 -1 1 2 5 10 3 5 7 4 0 -2 4 -1 0 -2	4 4 -2 3 5 10 5 3 3 2 6 6 5 -3 11 -11
MSIn Indices \$6.950  Down Jones  Union Jones	10vel 2.357 20.643 19,217 7.374 3.475 10.368 12,203 5.069 77.383 65,228 49,133 4,899 2,214 2,024 49,270	Daily -0.1 -0.3 -0.3 -0.4 -0.3 -0.2 -0.4 -0.5 -0.3 -0.6 -0.6 -0.9 -0.4 -1.0	0.4 -0.1 0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4 2.4 2.7 1.3 -0.3 -0.4 -1.8 -0.6	-1 -1 1 2 5 10 3 5 7 4 0 -2 4 -1 0	4 4 -2 3 5 10 5 3 3 2 6 6 5 -3 11 -11
Minimisces SAP-500 SAP	10vel 2,357 20,643 19,217 7,374 3,475 10,368 12,203 5,069 20,277 669 20,277 669 49,133 4,899 2,214 2,024 89,270 3,241	Daily -0.1 -0.3 0.1 0.4 0.3 -0.2 0.4 0.5 -0.3 0.6 0.6 0.6 0.9 -0.4 -1.0 -0.5 -0.4	0.4 -0.1 0.9 0.7 1.6 1.4 2.5 1.5 4.4 2.4 2.7 1.3 -0.3 -0.4 -1.8 -0.6 -0.7 -0.1	-1 -1 1 1 2 5 10 3 5 7 4 0 -2 4 -1 0 -2 2 3	4 4 -2 3 5 10 5 3 3 2 6 6 5 -3 11 -11 17 10 3
Mish indices \$6.9500  Down Jones  USS STATE OF THE STATE	16vel 2,357 20,643 19,217 7,374 3,475 10,368 12,203 5,069 20,277 669 20,277 669 77,383 65,228 49,133 4,899 2,214 2,024 89,270 763	Daily -0.1 -0.3 -0.1 -0.3 -0.2 -0.4 -0.5 -0.3 -0.6 -0.6 -0.9 -0.4 -1.0 -0.5 -0.4 -1.0 -0.5 -0.4 -0.9	0.4 -0.1 0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4 2.7 1.3 -0.3 -0.4 -1.8 -0.6 -0.7	-1 -1 1 1 2 5 10 3 5 7 4 0 -2 4 -1 0 -2 2 3 0 -4	4 4 -2 3 5 10 5 3 3 2 6 6 5 -3 11 -11 17 10 3 6
Machine Self-Stop Down Jenne Historia FTSE 100 Exception S0 BBX DAG MAC	1evel 2.357 20.643 19.217 7.374 3.475 10.368 12.203 5.069 20.277 669 77.383 65.228 49.133 4.899 2.214 2.024 89.270 73.241 5.593 1evel 117.5	Daily -0.1 -0.3 -0.1 -0.3 -0.2 -0.4 -0.5 -0.6 -0.9 -0.4 -1.0 -0.5 -0.4 -1.0 -0.5 -0.4 -1.0 -0.5 -0.4 -1.0 -0.5 -0.4 -0.5 -0.4 -0.5 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6	0.4 -0.1 0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4 2.7 1.3 -0.3 -0.4 -1.8 -0.7 -0.1 0.9 Weekly 1.5	-1 -1 1 2 5 10 3 5 7 4 0 -2 4 -1 0 -2 2 3 0 4 -4 0 -5 4 0 -7 4 0 -7 4 0 -7 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 4 -2 3 5 10 5 3 2 6 6 6 5 -3 11 -11 17 10 3 6 YTD
Minimisces SAPS00 Down Jones FISE 100 Exercision 50 BEX DAX CAC CAC MINIMISCES MISC ARROWS	12.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1	Daily -0.1 -0.3 -0.1 -0.3 -0.4 -0.5 -0.3 -0.6 -0.9 -0.4 1.0 -0.5 -0.4 -0.5 -0.4 -	0.4 -0.1 0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4 2.7 1.3 -0.3 -0.4 -1.8 -0.6 -0.7 -0.1 0.9 -0.9 -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 -0.7 -0.1 -0.7 -0.1 -0.7	-1 -1 1 1 2 5 10 3 5 7 4 0 -2 4 -1 0 -2 2 3 0 -4	4 4 -2 3 5 10 5 3 3 2 6 6 5 -3 11 -11 17 10 3 6
Minimisces SAP500 Down Jones FISE 100 Exercision 50 BEX DAX CAC CAC CAC CAC CAC CAC CAC CAC CAC C	2,357 20,643 19,217 7,374 3,475 10,368 12,203 5,069 20,277 669 77,383 65,228 49,133 4,899 2,214 2,024 89,270 763 3,241 17,59 88,3 59,6 23,4	Daily -0.1 -0.3 -0.1 -0.3 -0.4 -0.5 -0.4 -0.5 -0.4 -1.0 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.5 -0.4 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5	0.4 -0.1 0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4 2.7 1.3 -0.3 -0.4 -1.8 -0.6 -0.7 -0.1 0.9 -0.8 3.1 1.5 0.8 3.1 1.5 1.6 -0.7 -0.1 -0.8 -0.1 -0.8	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	4 4 4 2 3 5 5 100 5 3 3 3 2 6 6 6 5 5 3 11 17 10 0 3 6 6 7TD 2 2 2 3 2 2
Marini cos  484-950 Down Jones  FISE 100 Execution S0 BBX  BBX  GAG  GAG  GAG  MIB  MSC Athers  MSC I Mill Exercity  MSC I Mill Exercit	1evel 2,357 20,643 19,217 7,374 3,475 10,368 12,203 5,069 20,277 669 77,383 65,228 49,133 4,899 2,214 2,024 89,270 763 3,241 17,5 18,8 3 59,6 23,4 43,0 228,5	Daily -0.1 -0.3 -0.2 -0.4 -0.5 -0.4 -1.0 -0.5 -0.5 -0.4 -1.0 -0.5 -0.5 -0.4 -1.0 -0.5 -0.5 -0.4 -1.0 -0.5 -0.5 -0.4 -1.0 -0.5 -0.5 -0.4 -1.0 -0.5 -0.5 -0.4 -1.0 -0.5 -0.5 -0.4 -1.0 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0	0.4 -0.1 0.9 0.7 1.6 1.4 2.5 1.5 1.6 4.4 2.7 1.3 -0.4 -1.8 -0.6 -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 -0.7 -0.1 0.9 -0.7 -0.1 -0.7 -0.1 -0.7 -0.1 -0.7 -0.1 -0.7 -0.1 -0.7 -0.1 -0.7 -0.1 -0.7 -0.1 -0.7 -0.1 -0.7 -0.1 -0.8 -0.7 -0.1 -0.8 -0.1 -0.8	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	4 4 4 2 3 5 5 100 5 3 3 3 2 6 6 6 5 3 111 117 10 3 6 6 YTD 2 2 3 2 1 6 6
Life in increase  SAMP DO  SAM	10vel 2,357 20,643 19,217 7,374 3,475 10,368 12,203 5,069 20,277 669 77,383 65,228 49,133 4,899 2,214 2,024 89,270 763 3,241 5,593 16vel 117,5 88,3 59,6 23,4 43,0 228,5 105,3	Daily -0.1 -0.3 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.3 -0.5 -0.4 -0.3 -0.6 -0.9 -0.4 -0.5 -0.5 -0.4 -0.5 -0.5 -0.4 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5	0.4 0.1 0.9 0.7 1.6 1.4 2.5 1.5 1.5 1.6 4.4 2.7 1.3 0.4 0.6 0.0 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	-1 -1 -1 -1 -2 -5 -10 -3 -5 -7 -4 -0 -2 -4 -1 -0 -2 -2 -3 -0 -4	4 4 4 2 2 3 5 5 10 5 3 3 3 2 2 6 6 6 5 5 3 111 17 10 3 6 6 YTD 2 2 2 3 2 2 -1 6 6 0
Minimisces SAP-500 Down Jones SIFES 100 Exercision 50 BEX DAX CAC CAC CAC MINIMISCES MISC Alberts MISC Littles MISC Little	2.357 20,643 19,217 7.374 3.475 10,368 12,203 5.069 20,277 669 77,383 49,133 4,899 2,214 2,024 89,270 73,241 5,593 1evel 117,5 88,3 59,6 23,4 43,0 228,5 23,6 24,0 24,0 25,0 26,0 27,0 28,0 28,0 28,0 28,0 28,0 28,0 28,0 28	Daily -0.1 -0.3 -0.4 -0.5 -0.3 -0.6 -0.9 -0.4 -0.4 -0.9 -0.4 -0.5 -0.4 -0.4 -0.9 -0.5 -0.4 -0.4 -0.9 -0.5 -0.4 -0.4 -0.9 -0.5 -0.4 -0.4 -0.9 -0.5 -0.4 -0.5 -0.4 -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	0.4 0.1 0.9 0.7 1.6 1.4 2.5 1.6 4.4 2.7 2.7 3 0.3 0.4 0.6 0.7 1.8 0.6 0.7 1.8 0.9 0.7 1.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	-1	4 4 4 2 3 3 5 5 10 5 3 3 3 2 6 6 6 5 3 3 111 177 100 3 6 6 7 10 2 2 2 3 2 1 6 6 0 0 1 3 3
Marinines SAF-500 SAF-	1evel 2,357 20,643 19,217 7,374 3,475 10,368 20,277 669 37,383 4,899 2,214 2,024 89,270 763 3,241 15,593 1evel 117,5 88.3 59.6 23.4 43.0 228.5 105.3 62.0 12.6 16.2 13.9	Daily 0.1 0.1 0.1 0.1 0.4 0.3 0.2 0.4 0.5 0.6 0.6 0.9 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.6 0.6 0.9 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.4 0.1 0.9 0.7 1.6 1.4 2.5 1.5 1.5 1.6 4.4 2.7 1.3 0.3 0.4 1.8 0.9 0.9 Weekly 1.5 0.8 3.1 2.1 1.6 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	-1	4 4 4 2 3 3 5 10 5 3 3 3 2 6 6 6 5 3 3 11 11 17 10 3 6 6 YTD 2 2 3 2 2 1 6 6 0 0 1 1 6 6 0 1 1 6 6 1 1 1 1 1 1
Marinine Cos SAP 500 S	1evel 2,357 20,643 19,217 7,374 3,475 10,368 20,277 669 37,383 4,899 2,214 2,024 89,270 763 3,241 15,593 1evel 117,5 88.3 59.6 23.4 43.0 228.5 105.3 62.0 12.6 16.2 13.9	Daily 0.1 0.4 0.3 0.2 0.4 0.3 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.4 -0.1 0.9 0.7 1.6 1.4 2.5 1.5 1.6 1.5 1.6 1.4 2.7 1.3 -0.3 -0.4 -1.8 -0.6 -0.7 -0.1 1.5 -0.1 -0.9 -0.7 -0.1 -0.9 -0.7 -0.9 -0	-1	4 4 4 2 3 3 5 10 15 5 3 3 2 2 6 6 6 5 5 3 111 117 10 3 6 6 YTD 2 2 2 1 6 6 0 0 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Marini cos  484-500 Down Jones  FISE 100 BEX  FISE 100 BEX  MISS ARMS  MISS A	1920   1920	Daily   -0.1   -0.3   -0.1   -0.4   -0.5   -0.4   -0.5   -0.4   -0.5   -0.4   -0.5   -0.4   -0.5   -0.4   -0.5   -0.4   -0.5   -0.4   -0.5   -0.4   -0.5   -0.6   -0.6   -0.6   -0.7   -0.7   -0.8   -	0.4 -0.1 0.9 0.7 1.6 1.4 2.5 1.5 1.5 1.5 1.6 2.7 1.3 0.3 0.4 4.1 1.8 0.0 0.7 0.1 0.9 0.7 0.1 0.9 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	4 4 4 2 3 3 5 10 5 3 3 3 2 6 6 6 5 3 11 1 77 10 0 3 6 6 7 11 4 6 6 6 7 1 1 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Life in increase  Association	Pevel   2,357   3,475   3,47	Daily -0.1 -0.3 -0.2 -0.6 -0.3 -0.2 -0.5 -0.3 -0.3 -0.3 -0.4 -1.0 -0.5 -0.4 -1.0 -0.5 -0.4 -1.0 -0.5 -0.4 -1.0 -0.5 -0.4 -1.0 -0.5 -0.4 -1.0 -0.5 -0.4 -1.0 -0.5 -0.4 -1.0 -0.5 -0.5 -0.4 -1.0 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0	0.4 -0.1 -0.9 -0.7 -0.9 -0.7 -1.6 -1.4 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5 -1.6 -1.1 -1.1 -1.1 -1.1 -1.1 -1.1 -1.1	-1 -1 1 2 5 5 100 3 3 5 5 7 4 4 0 0 -2 2 4 4 -1 1 0 2 2 2 3 3 0 4 4 4 1 1 5 5 -5 -5 -6 6 8 11 1 3 12 2 2 8 15 1 14 15 0 0	4 4 4 2 3 3 5 10 5 3 3 2 2 6 6 6 5 3 11 1 77 10 3 6 71 1 6 6 71 1 6 6 7 1 1 1 1 1 1 1 1 1
Identified as Africa Section 1	Pevel   2,357   3,475   3,47	Daily 0.1 0.8 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	0.4 0.1 0.9 0.7 1.6 1.4 2.5 1.5 1.5 1.5 1.6 4.4 2.7 2.7 1.8 0.0 0.7 0.1 1.8 0.0 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	-1	4 4 4 -2 3 5 10 5 3 3 3 2 6 6 6 5 3 3 11 -11 17 10 3 6 6 7 10 2 2 -1 -6 0 0 -1 1 3 3 -1 0 0 -1 -2 2 2 0 0 -2 3
Marini cos  484-950 Down Jonne FTSE 100  EEXENDRON 50  BEX  MESCA MENS  MISCA	2,357 20,643 19,217 3,475 669 669 677,384 49,133 2,041 49,133 4	Daily -0.1 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.4 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5	0.4 -0.1 -0.1 -0.1 -0.7 -1.6 -1.4 -1.2 -1.5 -1.5 -1.5 -1.5 -1.5 -1.6 -1.4 -1.2 -1.3 -1.3 -1.4 -1.3 -1.5 -	-1	4 4 4 2 3 5 5 100 5 5 3 3 3 2 2 6 6 6 5 5 3 3 111 177 100 3 6 9 7 10 2 2 2 3 1 1 1 1 1 2 2 2 2 3 3 3 3 3 3 3
Marini cos  484-500 Down Jennes  FISE 100 D  Exception S  BEX  DOM AC  MED  AC  MED  AC  MED  AC  MED  AC  MED  AC  MED  MED  MED  MED  MED  MED  MED  ME	Pevel   Peve	Daily   -0.1   -0.3   -0.3   -0.1   -0.3   -0.4   -0.3   -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   -0.6   -0.7   -0.7   -0.8   -	0.4 0.1 0.9 0.7 1.6 1.4 2.5 1.5 1.5 1.5 1.5 1.6 4.4 2.7 0.3 0.3 0.6 0.6 0.7 0.7 0.1 0.8 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	-1	4 4 4 4 2 3 3 5 5 100 5 3 3 3 2 2 6 6 6 5 3 3 11 177 100 3 6 6 7 10 6 6 0 1 1 3 1 1 0 0 1 1 2 2 2 0 0 2 2 3 3 3 3 11 1 1 1 1 1 1 1 1 1 1 1 1
Marinicas SAPPSO SAPPS	Evel   2,357   3   3   3   4   3   3   3   4   3   3	Daily 0-11 0-12 0-12 0-12 0-12 0-12 0-12 0-12	0.4 0.9.1 0.9.0 0.7 1.6 1.4 1.2.5 1.5 1.5 1.5 1.6 1.4 1.3 1.3 1.3 1.3 1.3 1.3 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	-1	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Marini Cas  484-950 Down Jonnes  FTSE 100  Executions 50 BEX  BEX  BEX  BEX  BEX  BEX  BEX  BEX	Evel   2,357   2,064   3,075	Daily   -0.1   -0.1   -0.3   -0.3   -0.4   -0.3   -0.4   -0.3   -0.5   -0.3   -0.6   -0.4   -1.0   -0.5   -0.4   -1.0   -0.5   -0.4   -1.0   -0.5   -0.4   -1.0   -0.5   -0.4   -1.0   -0.5   -0.4   -1.0   -0.5   -0.4   -1.0   -0.5   -0.4   -1.0   -0.5   -0.4   -1.0   -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   -0.4   -0.5   -0.5   -0.4   -0.5   -0.5   -0.4   -0.5   -	0.41 0.9 0.11 0.9 0.7 1.6 0.7 1.6 1.4 2.5 1.5 1.5 1.5 1.5 1.6 4.4 2.7 2.7 1.8 0.3 0.3 1.1 0.9 1.1 1.9 0.8 3.1 1.9 1.1 1.9 0.8 3.1 1.9 0.8 3.1 1.9 0.8 3.1 1.9 0.8 3.1 1.9 0.8 0.7 0.6 0.9 0.9 1.3 0.8 1.4 1.7 1.2 1.6 0.6 0.7 0.7 0.5 1.4	-1	4 4 4 -2 3 3 5 5 100 5 5 3 3 3 2 6 6 6 5 5 3 3 6 7 11 1 17 100 3 3 6 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Marini colo  Addresso  Down Jones  FISE 100  BEX  FISE 100  BEX  AND  BEX  BEX  BEX  BEX  BEX  BEX  BEX  BE	Level   Leve	Daily 0.11 -0.11 -0.13 -0.13 -0.13 -0.14 -0.3 -0.14 -0.3 -0.2 -0.4 -0.3 -0.5 -0.3 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.7 -0.1 -0.7 -0.7 -0.5 -0.7 -0.7 -0.5 -0.5	0.41 0.9 0.11 0.9 0.7 1.6 0.7 1.6 1.4 2.5 1.5 1.5 1.5 1.6 1.4 2.4 2.7 1.3 0.3 0.3 0.3 1.1 0.9 1.6 0.6 0.7 0.6 0.9 1.3 0.8 0.7 0.6 0.9 1.3 0.8 0.8 1.4 1.6 0.6 0.7 0.6 0.9 1.3 0.8 0.8 1.4 1.6 0.6 0.7 0.6 0.9 1.3 0.8 0.8 1.4 1.6 0.6 0.7 0.6 0.7 0.7 0.5 1.4 2.2 0.4	-1	4 4 4 2 3 3 5 10 5 3 3 2 6 6 6 5 3 3 11 11 11 11 11 11 11 11 1 7 7
Minimises SAP-500 SAP-	Level   Leve	Daily   -0.1   -0.3   -0.3   -0.3   -0.4   -0.3   -0.4   -0.5   -0.3   -0.6   -0.6   -0.6   -0.6   -0.6   -0.6   -0.7   -0.7   -0.7   -0.7   -0.7   -0.7   -0.7   -0.5   -0.3   -0.3   -0.9   -0.4   -0.4   -0.5   -0.5   -0.6   -0.6   -0.6   -0.6   -0.7   -0.7   -0.7   -0.7   -0.7   -0.7   -0.7   -0.9   -0.3   -0.9   -0.7   -0.7   -0.5   -0.3   -0.3   -0.9   -0.7   -0.7   -0.7   -0.7   -0.7   -0.7   -0.9   -	0.4 0.1 0.9 0.1 0.9 0.1 0.9 0.7 1.6 0.7 1.6 0.7 1.6 0.7 1.6 0.7 1.6 0.7 1.5 1.6 0.7 1.5 1.6 0.7 0.1 1.5 1.6 0.7 0.1 1.8 0.7 0.1 1.8 0.7 0.7 0.1 1.8 0.7 0.7 0.1 1.8 0.7 0.7 0.1 1.6 0.7 0.7 0.1 1.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	-1 -1 1 2 5 5 10 0 3 3 5 7 4 4 0 0 -2 4 4 -1 0 0 -2 2 3 3 0 4 4 1 1 5 5 6 6 8 8 11 1 1 2 2 8 1 1 1 1 5 1 5 1 3 1 1 1 1 1 1 1 1 1 1 1	4 4 4 4 4 5 5 5 5 3 3 5 5 5 5 3 3 5 6 6 6 6 5 5 5 3 6 6 6 6
Marie Company	105.3 105.2 10	Daily   -0.1   -0.1   -0.3   -0.3   -0.3   -0.4   -0.3   -0.4   -0.5   -0.3   -0.6   -0.6   -0.6   -0.6   -0.6   -0.6   -0.7   -0.7   -0.8   -	0.4 0.1 0.9 0.7 1.6 0.7 1.6 1.5 1.5 1.6 1.5 1.6 1.5 1.6 1.5 1.6 1.5 1.6 1.5 1.6 1.5 1.6 1.5 1.6 1.5 1.6 1.6 1.5 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	-1	4 4 4 2 3 3 5 10 5 3 3 2 6 6 6 5 3 3 11 11 11 11 11 11 11 11 1 7 7
Marini cos  484-500 Dorar Jose Dorar Jose FISE 100 Exception BEX DAY	105.3 105.2 10	Daily 0.1 1 0.3 1 0.1 1	0.4 0.6 0.7 1.6 0.7 1.6 0.7 1.6 0.7 1.6 0.7 1.6 0.7 1.6 0.7 1.6 0.6 0.7 1.7 1.2 1.7 1.8 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	-1	4 4 4 2 3 3 5 10 5 5 3 3 2 6 6 6 5 5 3 3 3 2 6 6 6 5 5 3 3 11 17 7 10 3 3 6 7 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
All millimid class SAFS-500 SA	1-20	Daily 0.4 0.5 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.4 0.1 0.9 0.7 1.6 0.7 1.6 0.9 1.4 2.5 1.5 1.6 0.9 1.1 1.5 1.6 0.9 1.1 1.5 1.5 1.6 0.9 1.1 1.5 1.5 1.6 0.9 1.1 1.5 1.5 1.6 0.9 1.1 1.5 1.5 1.6 0.9 1.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	-1	4 4 4 2 3 5 5 3 3 2 6 6 6 5 5 3 3 111 77 10 3 6 6 7 7 10 11 11 17 10 10 10 11 11 11 11 11 11 11 11 11 11
All Annie Case Addressor Drow Jenne Wolse FTSE 100 Drow Jenne Wolse FTSE 100 Drow Jenne Wolse FTSE 100 Drow Jenne BOX  MID SEX AME MID SEX Amens MSC LIMIN M	10.50 (1.00 to 1.00 to	Daily 0.1   0.1   0.3   0.1   0.4   0.5   0.6   0.9   0.6   0.9   0.6   0.9   0.6   0.9   0.7   0.6   0.9   0.7   0.7   0.8   0.8   0.9	0.4 0.1 0.9 0.7 1.6 0.6 0.7 1.6 0.9 0.7 1.6 0.6 0.6 0.7 1.7 1.8 0.6 0.6 0.7 1.7 1.9 0.8 3.1 1.9 1.9 1.0 0.8 3.1 1.9 1.9 1.0 0.8 3.1 1.9 1.9 1.0 0.8 3.1 1.9 1.9 1.0 0.8 3.1 1.9 1.9 1.0 0.8 3.1 1.9 1.9 1.0 0.8 3.1 1.9 1.9 1.0 0.8 3.1 1.9 1.9 1.0 0.8 3.1 1.9 1.9 1.0 0.8 3.1 1.9 1.9 1.0 0.8 3.1 1.9 1.9 1.0 0.8 3.1 1.9 1.9 1.0 0.8 3.1 1.9 1.9 1.0 0.8 3.1 1.9 1.9 1.0 0.8 3.1 1.9 1.9 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	-1 -1 1 2 5 5 10 3 3 5 7 7 7 4 0 -2 2 4 -1 1 0 -2 2 3 3 0 4 4 -1 1 5 5 6 6 6 8 11 1 1 3 1 1 2 2 8 1 1 1 1 1 1 2 8 1 1 1 1 1 1 1	4 4 4 -22 3 3 5 5 100 5 5 3 3 3 2 2 6 6 6 5 5 3 3 11 11 77 100 3 6 6 7 10 10 10 10 10 10 10 10 10 10 10 10 10
All Annie Company  Annie Company  All Annie Company  Annie Compan	1-22 - 12-25 -	Dolly -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1	0.4 0.1 0.9 0.7 1.6 0.7 1.6 0.9 0.7 1.6 0.6 0.1 1.4 1.8 0.6 0.7 1.6 0.6 0.7 1.6 0.8 3.1 1.6 0.8 3.1 1.6 0.8 0.7 1.6 0.8 3.1 1.7 1.9 0.8 3.1 1.7 1.9 1.9 1.0 0.8 3.1 1.7 1.9 1.9 1.0 0.8 3.1 1.7 1.9 1.9 1.0 0.8 3.1 1.4 1.8 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	-1 -1 1 2 5 10 3 3 5 7 7 7 4 0 -2 2 4 4 -1 1 0 0 -2 2 3 3 0 4 4 -1 1 1 3 1 3 1 1 1 1 2 5 5 6 6 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 4 4 4 2 3 3 5 10 10 10 10 10 10 10 10 10 10 10 10 10
Assistance  Assist	2.257 2.0643 19.217 7.374 10.368 10.368 20.277 7.78 83.3 3.241 2.024 4.899 117.5 88.3 3.241 4.2024 4.899 117.5 88.3 3.241 4.2024 4.2024 4.2024 4.2024 4.2024 4.2024 4.2024 4.2024 4.2024 4.2024 4.2024 4.2024 6.2024	0.5   0.4   0.5   0.6   0.6   0.7   0.6   0.7	0.41 0.91 0.91 0.77 1.6 0.77 1.6 1.4 2.5 1.6 1.6 1.6 1.6 1.6 1.7 1.7 1.7 1.8 1.8 1.8 1.8 1.8 1.9 1.1 1.1 1.6 1.8 1.8 1.8 1.9 1.1 1.8 1.9 1.1 1.8 1.9 1.8 1.9 1.1 1.8 1.9 1.9 1.1 1.9 1.9 1.1 1.9 1.9 1.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	-1	4 4 4 2 3 5 5 100 5 3 3 3 2 2 6 6 6 5 3 3 111 17 7 100 3 6 6 7 100 100 100 100 100 100 100 100 100 1
All Annie Composition of the Com	2.257 2.0643 10.262 10.	0.5   0.4   0.5   0.6   0.7   0.5   0.5   0.7	0.4 0.1 0.9 0.7 1.6 0.6 0.7 1.6 0.9 0.7 1.6 0.9 0.7 1.6 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	4 4 4 2 3 5 5 100 5 3 3 5 5 100 5 5 3 3 5 5 100 5 5 3 6 6 6 5 5 3 6 6 6 6 5 7 100 5 7
15. Finish Coles 5.467-5.00 5.467-5.00 6.168	Levit. 2. 2457 2. 20673 3.475 10.366 2. 207. 20673 2. 207. 20673 2. 207. 207. 207. 207. 207. 207. 207. 2	0.5   0.5	0.4 0.1 0.9 0.7 1.6 0.7 1.5 0.8 1.1 1.6 0.9 0.9 1.1 1.6 1.6 0.7 0.5 1.6 0.9 0.9 1.1 1.1 1.6 0.7 0.5 1.4 2.2 2.2 0.9 1.4 1.6 0.7 0.5 1.6 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	4 4 4 -2 3 5 10 10 5 3 3 3 2 2 6 6 6 5 5 3 111 17 10 3 6 6 7 10 10 10 10 10 10 10 10 10 10 10 10 10
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MEMORIAN DE LA COMPANIA DEL COMPANIA DE LA COMPANIA DE LA COMPANIA DEL COMPANIA DE LA COMPANIA DE LA COMPANIA DEL	Levit. 2. 2357 2.0643 3.475 10.368 40.313 2.214 4.2.214 4.2.224 4.3.32 2.215 2.216 2	0.sily 0.1 0.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.4 0.1 0.9 0.1 1.0 0.9 0.1 1.0 0.9 0.1 1.0 0.1 0.1 1.0 0.1 0.1 0.1 1.1 0.4 0.6 0.6 0.1 0.4 0.4 0.6 0.1 0.4 0.4 0.4 0.6 0.1 0.4 0.4 0.6 0.1 0.4 0.4 0.4 0.6 0.1 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	4 4 4 2 3 3 5 10 5 3 3 2 6 6 5 5 3 3 11 17 10 0 3 6 6 5 5 3 11 17 10 0 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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MASC LEM Export  MASC Alberts	2.257 2.0673 10.268 3.475 10.268 20.277 7.3374 10.268 20.277 7.339 20.277 7.339 20.277 7.339 20.277 7.339 20.277 7.339 20.2777 20.2777 20.2777 20.2777 20.2777 20.2777 20.2777 20.2777 20.2777 20.2777 20.2777 20.2777 20.2777 20.2777 20.2777 20.2777 20.27777 20.27777 20.27777 20.27777 20.27777 20.27777 20.277777 20.27777777777	0.5b) 1 0.61 0.7 0.7 0.7 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.41 0.91 0.91 0.91 1.64 1.65 1.65 1.55 1.55 1.55 1.55 1.56 1.66 1.6	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	4 4 4 2 3 3 5 10 5 3 3 2 2 6 6 6 5 3 3 11 17 10 3 6 6 7 10 10 1 1 1 2 2 2 2 3 3 3 1 1 1 1 1 1 1 1 1 2 7 2 5 3 3 4 4 1 3 3 1 2 2 1 1 5 3 3 1 2 2 1 1 5 5 3 3 1 1 3 1 2 1 4 4 7 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
MASCA	1.00	0-8hy 10-10-10-10-10-10-10-10-10-10-10-10-10-1	0.41 0.91 0.91 0.91 0.91 0.91 0.91 0.91 0.9	-1	4 4 4 2 3 3 5 10 5 3 3 5 11 17 10 3 6 6 6 5 1 1 1 17 10 10 10 10 11 11 11 11 11 11 11 11 11
Assembly Comments of the Comme	1.00	0-8   0-1	0.41 0.91 0.91 0.91 0.91 1.61 1.62 1.63 1.63 1.64 1.64 1.64 1.65 1.65 1.65 1.65 1.65 1.65 1.65 1.65	-1	4 4 4 2 3 3 5 10 10 5 5 3 3 3 2 6 6 6 5 5 3 11 1 1 7 7 10 0 1 1 1 1 1 1 1 1 1 1 1 1
MACHENICADE  AND	2.257 2.0673 10.2682 1	0-8h 1 0-	0.41 0.91 0.10 0.91 1.61 1.62 1.63 1.64 1.64 1.64 1.65 1.65 1.65 1.65 1.65 1.65 1.65 1.65	-1	4 4 4 2 3 3 5 10 5 5 3 3 3 2 6 6 6 5 5 3 11 11 17 17 17 10 0 1 1 1 1 1 1 1 1 1 1
ASSA ABOND  TISE 100 Down Jenne  Wilded  TISE 100 Down Jenne  Wilded  TISE 100 Down Jenne  Wilded  TISE 100 Down Jenne  Wilder All Mills  KSA Almens  MILL MARCHAN  MISC LAM Karpen*  WISC LAM KARPEN  WISC LAM	Levit. 2. 2.557 2.0643 3.475 2.0614 2.0214 4.0014 2.0214 2	0-8hy 10-3h	0.41 0.91 0.10 0.91 0.11 0.91 1.46 1.47 1.47 1.47 1.47 1.47 1.47 1.47 1.47	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	4 4 4 2 3 5 10 5 5 3 1 10 5 5 6 6 6 5 5 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
SASSASSO  Dove (prince)  SASSASSO  Dove (prince)  SASSASSO  Dove (prince)  SASSASSO  S	2.257 2.0643 2.057 2.0643 10.262 10.2	0-01 1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0	0.41 0.91 0.10 0.92 0.11 0.93 1.64 1.64 1.65 1.65 1.65 1.65 1.66 1.67 1.67 1.67 1.67 1.67 1.67 1.67	-1	4 4 4 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
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All ministrations of the control of	Levit. 2. 2.157 (2.064) (2.064	0-bity 0-color of the color of	0.41 0.91 0.10 0.91 0.11 0.92 0.11 0.93 0.14 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	4 4 4 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Assembly Comments of the Comme	Levit. 2.057 2.0643 2.057 2.0643 2.057 2.0643 2.057 2.0643 2.057 2.057 2.0643 2.057	0-8   0-1	0.41 0.91 0.10 0.92 0.11 0.93 1.44 4.44 1.45 1.55 1.55 1.55 1.56 1.64 1.47 1.67 1.67 1.67 1.67 1.67 1.67 1.67 1.6	-1	4 4 4 2 3 5 5 10 10 5 3 3 3 3 6 6 6 5 5 3 111 1 17 7 5 2 2 1 6 6 6 7 1 1 1 1 1 1 1 1 1 1 1 2 1 2 5 3 3 4 4 7 1 1 1 3 1 2 1 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Salaber Salabe	Levit. 2, 2357 (20,64)	0-8hy 1 0-3	0.41 0.91 0.10 0.91 0.11 0.91 1.14 1.14 1.15 1.15 1.15 1.15 1.15 1.1	-1	4 4 4 2 2 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5



Source: Bloomberg, Datastream and Haver

\* With one day delay

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