

## Market Comment | Weak US data weigh on yields ahead of today's FOMC meeting

Global Financial Markets Unit 14 Jun 2017

- US yields fell and the US dollar depreciated ahead of the FOMC meeting, underpinned by the release of worse-than-expected data in the US. Weak US retail sales and inflation data in May could increase doubts about whether seasonal factors were the main driver behind 1Q's mild slowdown or whether "cyclical" reasons were behind it. In today's FOMC meeting which is expected to raise interest rates the monetary authority could comment on the recent slower pace of job creation and inflation prints, among others things. Furthermore markets are expecting some hints about the future pace of tightening and balance sheet normalization.
- IEA updated its forecast and warned about excess oil inventories, which are expected to last at least
  until 2018. Although global demand is likely to outpace supply during the second part of 2017, the large
  volume accumulated in inventories will persist. The organization revised upwards both demand (driven by
  China and India) and supply (mostly explained by production from the US and other non-OPEC
  countries). (see)
- The sharp drop in US yields (-10bps) also drove European yields lower across the board. The US equity market opened broadly steady, close to a record high achieved yesterday ahead of today's FOMC meeting. On the other hand, the jump in the euro weighed on the European equity market, which trimmed early gains. The banking sector fell across the board, dragged by the weak data in the US.
- EM currencies appreciated despite the sharp fall in oil (-3%) benefiting from the weakness of the USD. The upward revision of China's GDP for this year (6.7%) by the IMF could also boost EM currencies (see)

Update 16 CET 14 June, 2017 Table 1



Debt markets	( 10Y, %, ch	anges in t	op)		VEC
US (2-yr)	1.29	-6.9	-1.2	Month 0	8
US GER (2-yr)	2.11 -0.69	-9.9 1.1	-6.1 3.3	-23 -1	-33 9
Germany France	0.23	-3.9 -2.5	-4.2 -11.1	-19 -30	-5 -23
Spain	1.38	-5.5	-11.1 -18.7	-25	-13
Italy Portugal	1.94 2.85	-4.1 -10.3	-36.0 -25.1	-34 -53	7 -133
Greece Japan (2-yr)	5.80 -0.11	-3.8 -0.8		13 6	-108 8
Japan Emerging Markets	-0.11 0.07	2.3 Daily	0.4 2.6 Weekly	1 Monthly	1 YTD
Brazil	10.61	-14.8	-22.5 3.5	56	-80
Chile Colombia	4.08 6.24	0.2	3.5 10.6	-8 -11	-25 -85
Mexico Peru	7.01 5.42	-8.0 -1.5	-10.8 0.1	-18 -8	-63 -105
Poland	3.13	-4.5	-6.7	-23	-59
Russia Turkey	7.76 10.23	-0.9 -9.0	0.0	-11	-68 -77
India Indonesia	6.47	-2.0 -0.4	-9.3 -5.3	-34 -17	9 -95
Country ris		es in bp)			
Developed Markets 10-yr sovereign spread vs Germany	level	Daily	Weekly	Monthly	YTD
France	36	1.4	-6.9	-10	-18
Italy Portugal	171 262	-0.2 -6.4	-31.8 -20.9	-14 -34	12 -100
Spain	115	-1.6	-14.5	-6	0
2-yr so vereign spread vs Germany France	20	-0.6	-1.3	-6	9
Italy	42	-1.7	-7.9	-10	-19
Portugal Spain	76 40	-4.1 -0.9	-18.6 -6.0	-28 -3	-71 -8
Emerging Markets	level	Daily	Weekly	Monthly	YTD
5-yr sovereign CDS * Brazil	233	-2.8	- 4	33	-39
Chile	67	-1.0	-2	-6	-15
Colombia Mexico	122 108	-2.7 -2.2	-2 -3	-7 -11	-41 -49
Peru	84	-2.8	-7	-15	-24
Venezuela Poland	4,482 63	89.6 -0.1	656 -3	751 -4	577 -13
Russia	158	2.2	7	4	-18
Turkey China	185 67	-2.1 -2.4	-7 -8	-21 -12	-88 -50
India	91	-0.8	-3	-6 -15	-36
Indonesia Ris	113 k indicators	-4.2	-8	-15	-43
Volatilty indicators (%)	level	Daily	Weekly	Monthly	YTD
VIX VST OXX	11 14	3.0 2.9	-5	3 -2	-1 -3
EM EFT volatility Index	15	-4.9	-5	-5	-24
Dollar/euro volatility EM FX volatility index	6 8	7.1	-9 -6	-12 2	-38 -31
Credit spread (BAA) (bps)	231	9.9	7	-4	4
US bonds volatility index Banking 5y CDS (bps) *	52 level	-1.2 Daily	-6 Weekly	-9 Monthly	-32 YTD
US	56	-2.5	-5	Monthly 1	-16
EZ UK	71 58	-3.4 -2.8	-12 -10	-11 -5	-37 -32
Large Spanish	67	-5.6	-23	-10	-50
Medium Spanish Corporate 5y CDS (bps) *	115	-2.5 Daily	-82	-40	-36 YTD
US Non-financial	149	-2.5	Weekly -5	Monthly 1	-16
EZ Non-financial UK Non-financial	83 114	-3.4 -0.2	-12 -2	-11 -4	-37 -11
Interbank ma		inges in b			-111
	level	Daily	Weekly	Monthly	YTD
EONIA Index Euribor 3 m	-0.36 -0.33	0.00	0.0	0.0	0.0
Euribor 12m Libor 3m	-0.15 1.25	0.00	0.0	0.0	-0.1 0.2
Libor 12m	1.74	0.00	0.0	0.0	0.0
EZTED spread 3m	53.5	-0.60	1.8	-0.3	-12.9
Stoc	k markets (				
Stoc Main indices	level	Daily	Weekly 0.2	Monthly 1	YTD 7
Stoc Main indices S&P500 Dow Jones	2,438 21,340	Daily -0.1 0.1	0.2	1 2	7
Stoc Main indices S&P500 Dow Jones Nildel	2,438 21,340 19,884	Daily -0.1 -0.1 -0.1	0.2 0.8 -0.5	1 2 0	7 7 1
Stoc Main indices S&P500 Dow Jones Nikkel FTSE 100 EuroStoxx 50	2,438 21,340 19,884 7,474 3,548	0.1 -0.1 -0.1 -0.3 -0.3	0.2 0.8 -0.5 -0.1 0.0	1 2 0 0 -3	7 7 1 4 7
Main indices \$4,0500  Dow Jones Nikkel FTSE 100 EuroStoxx 50 BBX	2,438 21,340 19,884 7,474 3,548 10,776	Daily -0.1 -0.1 -0.1 -0.3 -0.3 -1.0	0.2 0.8 -0.5 -0.1 0.0 -0.9	1 2 0 0 -3 -2	7 7 1 4 7
Main indices SABP500 Dow Jones Nikket FFES 100 EuroStoux 50 BIBX DAX CAC	2,438 21,340 19,884 7,474 3,548 10,776 12,806 5,243	Daily -0.1 -0.1 -0.1 -0.3 -0.3 -1.0 -0.3 -0.4	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1 -0.4	1 2 0 0 -3 -2 0 -3	7 7 1 4 7 14 11 7
Main Indices \$6P500 Dow Jones Nikieri FTSE 100 EuroStoxx 50 IBEX DAX CAC	2,438 21,340 19,884 7,474 3,548 10,776 12,806 5,243 20,961	Daily -0.1 -0.1 -0.1 -0.3 -0.3 -1.0 -0.3 -0.4 -0.6	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1 -0.4 1.1	1 2 0 0 -3 -2 0 -3 -3	7 7 1 4 7 14 11 7
Stock Male indices \$6P500 Dow Jones Nike FTSE 100 EEExoStox, 50 BEX OAX CAC MIB ASE Afters MSG Latam*	2,438 21,340 19,884 7,474 3,548 10,776 12,806 5,243 20,961 801 75,236	Daily -0.1 -0.1 -0.1 -0.3 -0.3 -1.0 -0.3 -0.4 -0.6 -0.5 -0.2	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1 -0.4 1.1 3.4 -1.2	1 2 0 0 -3 -2 0 -3 -3 -3 2 -5	7 7 1 4 7 14 11 7 7 22 3
Stock Main indices \$45950 Down Jones FISE 100 EuroStons 50 BEX DAX CAC MISS Altern However Globil Moved Model Model	2,438 21,340 19,884 7,474 3,548 10,776 12,806 5,243 20,961 801 75,236 62,079 49,255	0.1 0.1 0.1 0.3 0.3 1.0 0.3 -0.4 -0.6 0.5 0.2 0.4	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1 -0.4 1.1 3.4 -1.2 -1.7 0.0	1 2 0 0 -3 -2 0 -3 -3 -3 2 -5 -9 -1	7 7 1 4 7 14 11 7 7 22 3 1 6
Sloc  Marinetes  Sadipido  Deve Jones  Nikel  FFSE 100  EuroStons 50  BEX  CAC  CAC  MMB  ASS Alterns  MSG Lattam  Bloovepas filliant  Bloovepas filliant  Bloovepas filliant  Bloovepas filliant  Bloovepas filliant	2,438 21,340 19,884 7,474 3,548 10,776 12,806 5,243 20,961 801 75,236 62,079 49,255 4,814	Daity -0.1 0.1 -0.1 -0.3 -0.3 -1.0 0.3 -0.4 -0.6 0.5 0.2 0.4 0.5 -0.2	0.2 0.8 0.5 0.1 0.0 0.9 1.1 -0.4 1.1 3.4 -1.2 -1.7 0.0 0.2	1 2 0 0 -3 -2 0 -3 -3 -3 2 5 -9 -1 -3	7 7 1 4 7 14 11 7 7 22 3 1 6
Sloc  Brini produces  SAP-500  Brini produces  SAP-500  Earostoox 50  Earostoox 50  Earostoox 50  ASK Afters  MSG Latam*  Holoveps Brini Brini  MSG Latam*  Holovep Brini  MSG Latam Brini  MSG L	2,438 21,340 19,884 7,474 3,548 10,776 12,806 5,243 20,961 801 75,236 62,079 49,255	Daily -0.1 -0.1 -0.3 -0.3 -1.0 -0.3 -0.4 -0.6 -0.5 -0.2 -0.3	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1 -0.4 1.1 3.4 -1.2 -1.7 0.0 0.2	1 2 0 0 -3 -2 0 -3 -3 -3 2 -5 -9 -1	7 7 1 4 7 14 11 7 7 22 3 1 6 -5
Main indices \$562500 Dow Jones Nobel \$7552 to 00 \$7552	2.438 21,340 19.884 7.474 3.548 10,776 12,806 5.243 20,961 801 75,236 62,079 49,252 4,814 2.296 1,838 99,636	Daily -0.1 -0.1 -0.1 -0.3 -0.3 -0.3 -1.0 -0.3 -0.4 -0.6 -0.5 -0.2 -0.4 -0.5 -0.2 -0.3 -1.2 -0.3	0.2 0.8 0.5 -0.1 0.0 0.9 1.1 -0.4 1.1 3.4 -1.2 -1.7 0.0 0.2 -0.5 -1.6 2.1	1 2 0 0 0 3 -2 0 3 -3 2 2 -5 9 -1 -3 3 8 4	7 7 1 4 7 14 11 7 7 22 3 1 6 -5 15
Stock  SAP500  Does Jones  FEE TOO  EuroStoxx 50  EURX  DAX  CAC  CAC  MSC Laturs  MSC Lat	2,438 21,340 19,884 7,474 3,548 10,776 12,806 5,243 20,961 801 75,236 62,079 49,255 4,814 2,296 1,838 99,636 815	Daily -0.1 -0.1 -0.3 -0.3 -0.3 -1.0 -0.4 -0.6 -0.5 -0.2 -0.4 -0.5 -0.2 -0.3 -1.2	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1 -0.4 1.1 3.4 -1.2 -1.7 0.0 0.2 -0.5 -1.6	1 2 0 0 0 3 -3 -2 0 3 -3 2 -5 9 1 1 -3 -3 -8	7 7 1 4 7 14 11 7 7 22 3 1 6 -5 15 -19 31 17
Stock  Sairp Indices  Sair 500  Does Jones  Does Jones  FES T 100  EaroStox 50  EaroStox 50  EaroStox 50  ACX  CAC  ACX  CAC  Michael	2,438 21,340 19,884 7,474 3,548 10,776 12,806 5,243 20,961 75,236 62,079 49,255 4,814 2,296 1,838 99,636 815 3,131 5,793	Daily -0.1 0.1 -0.1 -0.3 -0.3 -1.0 0.3 -0.4 -0.6 0.5 0.2 0.4 0.5 -0.2 -0.3 -1.2 0.3 -1.2 0.3 -1.2 0.3 -1.8	0.2 0.8 0.5 -0.1 0.0 -0.9 1.1 -0.4 1.1 3.4 -1.2 -1.7 0.0 0.2 -0.5 -1.6 2.1 -0.1	1 2 0 0 0 3 -2 0 0 -3 -2 5 -9 -1 1 -3 -3 -8 4 3 1 2 2	7 7 1 4 7 14 11 7 7 22 3 1 6 -5 15 -19 31 17 -1
Main indices \$56/980  Dow Jones FIRST 100  Exercision 50  Exercisi	2,438 21,340 19,884 7,474 3,548 10,776 12,806 5,243 20,961 801 75,236 62,072 4,814 2,296 1,838 99,636 815 3,131	Daily -0.1 -0.1 -0.3 -0.3 -0.3 -1.0 0.3 -0.4 -0.6 0.5 -0.2 0.4 0.5 -0.2 -0.3 -1.2 0.3 -1.2 0.3 -1.3 -1.3 -1.4 -1.5	0.2 0.8 0.5 0.1 0.0 -0.9 1.1 -0.4 1.1 3.4 -1.2 -1.7 0.0 0.2 -0.5 -1.6 2.1 -0.1 -0.3	1 2 0 0 -3 -2 0 -3 -3 -2 -5 -9 -1 -3 -3 -3 -8 4 4 3 1	7 7 1 4 7 14 11 7 7 22 3 1 6 -5 15 -19 31 17
Stock Main Indices  549-500  Main Indices  549-500  Readston 500  Readst	10 level 2,438 21,340 19.884 7,474 3,548 10,776 12.806 5,243 20,961 801 75,236 62,079 49,255 4,814 2,296 1,838 99,636 815 3,131 5,793 level 119,5 86.2	Daily -0.1 -0.1 -0.1 -0.3 -1.0 -0.3 -1.0 -0.5 -0.5 -0.2 -0.3 -1.2 -0.3 -1.2 -0.3 -1.2 -0.3 -1.2 -0.3 -1.2 -0.3 -1.2 -0.3 -1.2 -0.3 -1.2 -0.3 -1.2 -0.3 -1.2 -0.3 -1.2 -0.3 -1.2 -0.3 -1.2 -0.3 -1.2 -0.3 -1.2 -0.3 -1.2 -0.3	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1 -0.4 1.1 3.4 -1.2 -1.7 0.0 0.2 -0.5 -1.6 2.1 -0.1 -0.3 -0.5 -1.6 -0.5 -0.5 -0.6 -0.6 -0.7 -0.	1 2 0 0 -3 -2 0 -3 -3 2 -5 -9 -1 -3 -8 4 3 1 1 2 Monthly	7 7 1 4 7 14 11 7 7 22 3 1 6 -5 15 -19 31 17 -1 10 YTD
Main indices \$56/980 Dow Jones FISE 100 Exercision 50 EXER	10 level 2,438 21,340 19,884 7,474 3,548 10,776 12,806 5,243 20,961 801 75,236 62,079 49,255 4814 2,296 1,838 99,636 815 3,131 5,793 level	Daily -0.1 -0.1 -0.3 -0.3 -0.3 -0.4 -0.6 -0.5 -0.2 -0.4 -0.5 -0.2 -0.3 -1.2 -0.3 -1.2 -1.8 -1.8 -1.4 -1.4	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1 -0.4 1.1 3.4 -1.2 -1.7 0.0 0.2 -1.6 2.1 -0.3 1.5 Weekly 3.1 2.7 3.1 3.2	1 2 0 0 -3 -2 0 -3 -3 2 2 -5 -9 -1 -3 -3 4 4 3 1 1 2 Monthly 0	7 7 1 4 7 7 14 11 7 7 22 3 1 6 -5 15 -19 31 17 -1 10 YTD 0
Maria India (e.g. 556-960) See James James See James See James See James See James See James See James James See Jam	10 tovel 2,438 21,340 19,884 7,474 3,548 10,776 12,806 5,243 20,961 801 62,079 49,255 4,814 2,296 13,838 99,636 815 3,131 5,793 10vel 119,5 86,2 63,8 23,3 44,5 1	Daily -0.1   0.1   0.3   0.3   0.4   0.5   0.2   0.4   0.5   0.2   0.3   0.2   0.4   1.2   0.3   0.2   1.3   0.4   1.4   1.4   1.9   1.4   1.9   1.5   1.5   1.5   1.5   1.5   1.6   1.7   1.8   1.8   1.9	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1 -0.4 1.2 -1.7 0.0 0.2 -0.5 -1.6 -0.1 -0.3 -0.1 -0.3 -0.1 -0.3 -0.1 -0.3 -0.5 -0.1 -0.5 -	1 2 0 0 -3 -2 0 -3 -3 -3 -3 -3 -3 -3 -4 1 2 Monthly 0 -1 4 -3 -3 2	7 7 7 1 4 7 7 14 111 7 7 7 22 3 1 6 -5 15 -19 31 1 7 -1 10 0 -1 4 2 2
Maininedices Maini	10vel 2,438 21,340 19,884 7,474 12,806 5,243 20,961 801 75,236 62,079 49,255 4,814 2,296 11,938 815 3,131 5,793 level 119,5 86,2 63,8 23,3 44,5 223,0 108,8	Daily -0.1 0.1 0.1 0.1 0.3 -1.0 0.3 -1.0 0.5 0.5 0.2 0.4 0.5 0.2 0.3 -1.2 0.3 0.2 0.3 1.2 0.3 1.2 1.2 1.3 1.4 1.9 1.5 0.5 1.4	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1 -0.4 -1.2 -1.7 0.0 0.2 -0.5 -1.6 2.1 -0.3 1.5 Weekly 3.1 2.7 3.1 3.2 -7 3.1 3.2 -7 3.1 3.1 3.2 -7 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1	1 2 0 0 0 -3 -3 -2 0 0 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3	7 7 7 1 4 7 7 14 11 7 7 7 22 3 1 6 -5 15 -19 31 17 -1 10 0 -1 4 2 2 -8 3
Majalandra Sanda S	level 2,438 21,340 19,884 7,474 3,548 10,776 612,806 5,243 20,961 801 75,236 62,079 49,255 4,814 2,296 815 3,131 5,793 level 11,579 86,2 63,83 44,5 22,33 44,5 223,0 108,8 62,4	Daily -0.1 -0.1 -0.3 -0.3 -0.3 -0.4 -0.6 -0.5 -0.2 -0.3 -1.2 -0.3 -1.2 -0.3 -1.2 -0.5 -1.4 -1.5 -0.5 -1.5 -0.5 -1.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0	0.2 0.8 0.5 -0.1 0.0 -0.9 1.1 1.4 1.2 -1.7 0.0 0.2 -0.5 -1.6 2.1 -0.3 1.5 -0.3 1.5 -0.4 -1.2 -1.7 -1.7 -1.6	1 2 0 0 0 3 3 -2 0 0 3 3 -3 3 2 5 5 9 9 -1 3 3 3 1 2 2 Monthly 0 1 4 3 2 1 7 7 7 7 7 7 7 7	7 7 7 1 4 4 7 7 14 11 17 7 7 7 7 15 16 6 -5 15 15 10 YTD 0 -1 4 4 2 2 -8 8 3 -1 1
Maintenance SAS-PS0 Down James Nikole TFSE T00 Eurostboxus 50 BIBX N MARIE BIBX N MARIE MASC Latura MA	level 2,438 21,340 19,884 7,474 3,548 10,776 65 2,43 20,961 75,226 62,079 49,255 4,814 2,296 815 3,131 5,793 level 119,5 86,2 63,8 23,3 44,5 223,0 108,8 42,230 108,8 23,3 44,5 223,0 108,8 44,5 223,0 108,8 44,13,9 15,3 3	Doily -0.1 -0.1 -0.3 -0.4 -0.6 -0.5 -0.2 -0.4 -0.5 -0.2 -0.3 -1.2 -0.5 -0.2 -0.7 -1.4 -1.9 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5	0.2 0.8 0.5 0.0 0.0 0.9 0.9 1.1 1.2 1.7 0.0 0.2 1.6 2.1 1.5 Weekly 3.1 3.2 2.7 3.3 3.2 3.3 4.1 4.1 4.1 5.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6	1 2 0 0 0 3 3 -2 0 0 3 3 -3 2 5 -5 9 9 -1 3 3 -3 4 4 3 1 1 2 1 1 4 4 3 2 -1 7 7 7 4 4 -1 3 1 7 7 7 4 4 -1 3 1 7 7 7 4 4 -1 3 1 7 7 7 7 4 4 -1 3 1 7 7 7 7 4 4 -1 3 1 7 7 7 7 4 4 -1 3 1 7 7 7 7 7 4 4 -1 3 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7 7 7 1 4 4 7 7 1 14 111 7 7 222 3 1 1 6 6 -5 15 -19 31 1 10 0 11 4 2 2 8 3 3 -1 13 3 -6
Main indices SAP-500 Main indices SAP-500 Main indices SAP-500 Exercision SAP-500 Exercis	level 2,438 21,340 19,884 7,474 3,548 10,776 12,806 5,243 20,961 801 75,236 62,079 49,255 4,811 2,296 1,838 99,636 815 3,131 5,793 level 19,5 86,2 23,3 44,5 223,0 108,8 233,0 108,8 233,0 108,8 233,0 108,8 233,0 108,8 233,0 108,8 233,0 108,8 233,0 108,8 233,0 108,8 233,0 108,8 233,0 108,8 233,0 108,8 233,0 108,8 233,0 108,8 233,0 108,8 233,0 108,8 15,3 15,3 15,3 15,3 15,3 15,3 15,3 15,3	Daily -0.1 -0.5 -0.5 -1.4 -1.5 -1.5 -1.4 -1.4 -1.5 -1.5 -1.4 -1.1 -1.1 -1.1 -1.5 -1.5 -1.4 -1.5 -1.4 -1.5 -1.4 -1.5 -1.5 -1.4 -1.5 -1.4 -1.5 -1.5 -1.4 -1.5 -1.5 -1.5 -1.4 -1.5 -1.4 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5	0.2 0.8 0.5 0.0 0.9 0.9 0.9 0.1 1.1 0.4 1.1 1.2 1.2 1.3 1.3 1.4 1.2 1.1 1.1 1.1 1.1 1.1 1.1 1.1	1 2 0 0 0 3 3 2 2 0 3 3 3 2 5 5 9 1 1 3 3 3 1 2 2 1 7 7 7 7 7 7 7 7 2 2 1 2 2 1 3 2 2 1 3 3 3 3 3 3 3 3 3 3	7 7 7 1 4 4 7 7 1 1 6 5 15 15 19 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Main indices SAPB00 Dow Jones SAPB00 EuroStox 50 EuroStox	16vel 2.4.38 21.340 19.884 7.474 3.548 10.776 12.806 5.243 20.961 801 75.226 62.079 49.255 4.814 2.296 13.838 99.636 815 3.131 5.793 16vel 119.5 86.2 63.8 23.3 44.5 223.0 108.8 62.4 13.9 15.3 15.0 108.8 15.0 108.8 15.3 15.0 108.8 15.3 15.0 108.8 15.3 15.0 108.8 15.3 15.0 108.8 15.3 15.0 108.8 15.3 15.0 108.8 15.3 15.0 108.8 15.3 15.0 108.8 15.3 15.3 15.0 108.8 15.3 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0	Doily 0.1 0.1 0.1 0.1 0.3 -0.4 0.6 0.5 0.2 0.3 -1.2 0.3 0.2 -1.2 0.3 0.2 -1.5 0.5 0.5 0.1 0.5 0.1 0.5 0.1 0.5 0.1 0.5 0.1 0.5 0.1 0.5 0.1 0.5 0.1 0.5 0.1 0.5 0.1 0.5 0.5 0.1 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.2 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1 2 0 0 0 3 2 2 0 3 3 3 2 2 5 5 9 1 1 3 3 3 3 4 4 3 3 1 1 2 2 1 1 7 7 7 4 1 1 3 2 2 9 8 8	7 7 7 1 4 4 7 14 11 1 7 7 22 3 1 1 6 -5 15 15 17 7 -1 10 VID 0 -1 4 4 2 2 8 3 -1 13 6 8 1 4 4 4
Main indices SAP-500 Main indices SAP-500 Main indices SAP-500 Exercisors Niked FTSE 1:00 Exercisors 50 Exercisors	Level 2,438 2,1340 19,884 41,59 19,894 19,20 19,894 19,20 19,894 19,20 19,894 19,20	Doily 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.3 0.3 0.3 0.3 0.4 0.5 0.5 0.2 0.4 0.5 0.2 0.7 1.8 0.2 0.7 1.8 1.3 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.2 0.8 0.5 0.1 0.0 0.9 0.9 1.1 1.1 3.4 1.12 1.7 0.0 0.2 0.5 1.6 0.1 0.3 1.5 0.7 0.7 0.7 1.6 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	1 2 0 0 0 3 -2 0 0 3 -2 2 0 3 -3 -3 2 2 -5 9 -1 -1 -3 3 8 4 4 3 3 1 2 2 -1 1 -7 -7 -7 -4 -1 13 -2 9 -8 -7 -7 -7 -4 -1 3 -2 9 -8 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7	7 7 7 1 4 4 7 7 14 111 7 7 7 22 3 1 1 6 6 -5 15 15 17 1 10 0 11 4 2 2 2 8 3 1 13 -6 8 8 1 1 -4 13 13
Main indices SAP-500 Main indices SAP-500 Main indices SAP-500 Exercition 50 Exercitio	19,884 2,438 3,548 3,548 19,884 19,971 1,548 1,5	Daily 0.1 0.1 0.1 0.1 0.1 0.3 0.3 0.4 0.5 0.2 0.4 0.5 0.2 0.3 0.4 0.5 0.5 0.2 0.4 1.5 0.5 0.1 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.2 0.8 0.5 0.1 0.0 0.9 0.9 1.1 1.1 1.4 1.1 1.7 0.0 0.2 1.6 0.1 0.3 1.1 0.3 1.6 0.1 0.3 1.7 0.0 1.7 0.0 1.8 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	1 2 0 0 0 3 3 2 2 0 0 3 3 3 3 8 4 4 3 3 1 2 2 Monthly 0 1 4 3 3 2 1 7 7 7 4 13 2 9 8 8 7 7 2 1 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 2 1 1 1 1 2 1 1 1 1 2 1 1 1 1 1 2 1	7 7 7 1 4 7 7 14 11 7 7 7 22 3 1 6 6 -5 5 15 9 31 1 10 0 -1 1 4 2 2 8 3 -1 13 -6 8 8 1 4 13 -1 2
Maintendens Sales	1,000 1,000	Daily -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.3 -0.3 -0.4 -0.6 -0.5 -0.2 -0.7 -0.2 -0.3 -1.2 -0.3 -1.2 -0.3 -1.2 -0.5 -1.4 -1.5 -1.5 -1.5 -1.6 -1.5 -1.5 -1.6 -1.5 -1.6 -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	0.2 0.8 0.6 0.6 0.0 0.9 0.9 0.1 1.1 1.2 1.7 0.0 0.2 0.5 1.6 0.1 1.5 Weskly 3.1 2.7 3.1 2.7 3.1 1.7 0.6 0.1 1.4 1.6 0.2 1.7 0.6 1.6 1.7 0.7 0.6 1.7 0.7 0.6 1.7 0.7 0.6 1.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0	1 2 0 0 0 3 3 2 0 0 3 3 3 3 3 3 2 2 5 9 4 1 3 3 3 4 4 3 3 1 2 2 1 1 7 7 7 4 1 3 2 2 9 8 7 7 2 2 1 1 5 5	7 7 7 1 4 7 7 14 11 7 7 7 22 3 1 6 6 -5 15 -19 31 1 7 7 1 10 9 11 4 4 2 2 8 8 3 1 1 13 6 6 8 1 1 4 4 13 1 1 2 7
Mainimidices  549-500  Mainimidices  549-500  Mainimidices	12,438 21,340 19,864 10,766 10	Daily 0.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.2 0.8 0.6 0.6 0.1 0.0 0.9 0.1 1.0 0.0 0.9 1.1 1.2 1.2 1.7 0.0 0.2 1.1 0.0 0.2 1.1 0.0 0.2 1.1 0.0 0.2 1.1 0.1 1.2 1.7 0.1 1.5 0.0 0.5 1.6 0.5 1.6 0.5 1.6 0.5 1.7 1.7 0.1 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1	1 2 0 0 3 3 2 2 0 5 5 9 1 1 3 3 3 1 2 2 1 1 7 7 7 4 1 1 3 2 9 9 8 7 7 2 2 1 5 5 3 2 2	7 7 7 1 4 7 7 14 11 7 7 7 22 3 1 1 6 6 5 15 17 17 10 0 1 1 4 2 2 8 3 3 16 6 8 1 1 4 1 3 1 1 3 5 5
Maria-Indiana SAS-PS0 Down James Nikole TFSE 100 Eurostosos 50 BISX NIKOLE BIS	12.438 2.138 2.138 10.776 3.548 10.776 5.243 801 801 801 801 801 801 801 801 801 801	Daily 0.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.2 0.8 0.8 0.5 0.1 0.0 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	1 2 0 0 3 3 2 2 0 0 3 3 2 2 5 5 9 1 3 3 8 4 4 3 1 1 2 2 1 1 7 7 7 4 1 1 3 2 2 9 8 8 7 7 2 2 1 1 5 3 3	7 7 7 1 4 7 7 14 4 111 7 7 7 7 22 3 1 1 6 6 -5 15 -19 31 110 YTD 0 -1 1 4 2 2 2 8 3 1 13 -6 8 1 1 4 13 -1 1 2 7 7 -1 3
Maintendence  444-950  Down Jones  Nikkel  TSE 100  Eurostbaux 50  BBX  AS Afters  MSG Latter  MSG Lat	12.438 21.340 47.474 47.474 47.474 47.474 47.474 49.255 48.114 49.255 48.114 49.255 48.114 49.255 48.114 49.255 48.114 49.255 48.114 49.255 48.114 49.255 48.114 49.255 48.114 49.255 48.114 49.255 48.114 49.255 48.114 49.255 48.114 49.255 49	Daily 0.1 1.5 1.5 1.9 1.5 1.5 1.9 1.1 1.5 1.5 1.9 1.1 1.5 1.5 1.9 1.1 1.5 1.5 1.9 1.1 1.5 1.5 1.9 1.5 1.5 1.5 1.9 1.5 1.5 1.5 1.9 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	0.2 0.8 0.8 0.5 0.1 0.0 0.1 0.0 0.1 0.0 0.9 0.1 1.1 0.4 4.1.2 0.5 0.5 0.1 0.7 0.7 0.0 0.2 0.5 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	1 2 0 0 3 3 2 2 5 5 9 1 1 3 3 8 4 4 3 3 1 2 2 1 1 7 7 7 4 4 1 1 3 2 2 1 1 7 5 3 3 2 3 3 3 3 2 2	7 7 7 14 4 7 7 144 111 7 7 7 222 3 3 1 6 6 5 -19 311 17 -1 10 9 7 10 9 13 1 13 -6 8 8 1 1 4 13 3 -1 1 2 7 7 13 5 14 16 13 13
Main indices  SAP-500  SAP-500  SAP-500  SAP-500  SAP-500  Ear-510-51  SAP-510  Ear-510-51	Levit 2, 2438	Daily 1.4 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1	0.2 0.8 0.6 0.5 0.1 0.0 0.9 0.1 1.3 4.4 1.2 1.7 0.0 0.2 1.7 0.5 1.6 0.3 1.5 0.5 1.6 0.1 1.3 1.5 0.5 0.1 1.5 0.1 1.5 0.1 1.5 0.1 1.5 0.1 1.5 0.1 1.5 0.1 1.5 0.1 1.5 0.1 1.5 0.1 1.5 0.1 1.5 0.1 1.5 0.1 1.5 0.1 1.5 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	1 2 0 0 3 3 2 2 0 5 9 1 3 3 3 4 4 3 3 1 2 2 Monthly 0 1 4 4 3 3 2 1 1 7 7 7 4 1 1 3 2 9 9 8 7 7 2 2 1 5 3 3 3 3 3 3 5 2 2 3 3 3 3 3 5 2 2 3 3 3 3	7 7 7 14 4 7 7 144 111 7 7 7 22 3 1 1 6 -5 15 15 17 10 0 -1 1 1 3 6 8 8 1 4 4 1 3 1 1 2 2 7 7 -1 3 5 1 1 6 1 3 7 7
Maria Indicate SAS-PS0 Down Jones Nikole TFSE 100 Eurostoox 50 BISX ASS	Level   Land	Daily -0.1   -0.1   -0.1   -0.1   -0.1   -0.3   -0.3   -0.3   -0.4   -0.5   -0.2   -0.3   -0.2   -0.7   -1.2   -0.3   -1.2   -0.5   -0.2   -0.4   -1.5   -1.9   -1.4   -1.5   -1.9   -1.4   -1.5   -1.9   -1.4   -1.5   -1.9   -1.4   -1.5   -1.9   -1.4   -1.5   -1.9   -1.4   -1.5   -1.9   -1.4   -1.5   -1.9   -1.4   -1.5   -1.9   -1.4   -1.5   -1.9   -1.4   -1.5   -1.5   -1.9   -1.4   -1.5   -1.5   -1.9   -1.4   -1.5   -1.5   -1.9   -1.4   -1.5   -1.5   -1.9   -1.4   -1.5   -1.	0.2 0.8 0.8 0.5 0.1 0.0 0.9 0.1 1.0 0.0 0.9 1.1 1.3 1.4 1.2 1.2 0.2 0.5 1.5 0.1 1.5 0.2 1.1 1.3 1.2 1.2 1.2 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 7 7 7 7 14 1 7 7 7 14 1 11 7 7 7 22 2 8 3 1 1 10 10 11 13 1 16 8 1 1 14 12 2 7 13 15 14 15 15 14 15 15 16 16 17 7 7 16 17 17 17 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18
Maria-in-crea  544-540  Down Jones  Nikkel  FTSE 100  Eurostbox 50  BIX  AN SAM	19.00 (2.2) (2.3)	Daily -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1	0.2 0.8 0.8 0.5 0.1 0.0 0.9 0.1 1.0 0.9 0.4 1.1 1.3 1.7 0.5 1.6 0.3 1.5 1.5 0.2 2.7 3.1 1.3 1.6 0.2 2.0 2.3 1.3 1.3 1.6 0.2 2.0 2.3 1.5 1.6 0.2 2.0 2.3 1.5 1.5 0.2 2.5 1.6 0.3 1.5 1.5 0.2 2.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	1 2 0 0 0 3 3 3 2 2 5 9 9 1 3 3 3 3 8 8 4 3 3 3 1 2 2 5 9 9 1 1 4 4 3 2 2 1 1 7 7 7 4 1 3 2 2 9 8 7 7 2 2 1 1 5 3 2 2 8 6 6 6 6	7 7 7 14 4 7 7 14 11 7 7 7 22 2 3 3 1 1 6 5 -5 15 19 31 1 17 10 0 11 4 2 2 2 8 8 3 1 13 6 8 8 1 4 13 3 5 1 4 16 13 7 7 22 2
Main motices  SAP-500	19.00 (2.2) (2.3)	Daily   -0.1   -0.1   -0.1   -0.1   -0.1   -0.1   -0.1   -0.3   -0.3   -0.4   -0.4   -0.5   -0.2   -0.4   -0.5   -0.2   -0.4   -0.5   -0.2   -0.7   -1.8   -1.5   -	0.2 0.8 0.5 0.1 0.0 0.9 1.1 1.2 0.2 0.3 3.4 1.2 0.1 0.3 3.1 1.5 1.5 1.5 1.5 1.5 1.6 1.6 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	1 2 0 0 3 3 3 2 2 5 9 9 1 3 3 3 8 8 4 3 3 1 2 2 5 9 9 1 1 5 5 9 9 1 1 5 5 9 9 8 7 7 2 2 1 1 5 3 3 2 2 8 6 6 7 3 3 2 2 8 6 6 7 3 3	77 77 14 77 14 11 77 72 3 1 6 -5 -19 31 17 77 -1 10 0 -1 4 2 2 -8 3 -1 13 -6 8 3 -1 13 -7 -1 13 5 14 16 16 37 7 -1 18 22 26 8
Marinistricus  444-950  Down Jones  Abbert 1975  Born Jones 1985  Born Jon	19.00 (2.2) (2.3)	Daily -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1	0.2 0.8 0.8 0.5 0.1 0.0 0.9 0.1 1.0 0.9 0.5 1.6 0.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7, 14, 4, 7, 14, 111, 7, 7, 14, 15, 15, 15, 15, 15, 15, 15, 19, 10, 11, 14, 12, 2, 8, 8, 1, 13, 14, 13, 11, 2, 2, 14, 13, 15, 14, 15, 15, 16, 16, 17, 17, 17, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18
Marinimical costs  348-950 costs  34	19,000 1,000	Daily 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1	0.2 0.8 0.8 0.5 0.1 0.0 0.9 0.1 1.0 0.9 0.5 1.6 0.0 1.1 0.0 0.5 1.6 0.0 1.1 0.0 0.0 0.5 1.6 0.0 1.5 0.0 0.0 1.5 0.0 0.0 0.0 0.5 1.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1 2 0 0 3 3 2 0 0 3 3 3 3 3 3 3 3 3 3 2 2 3 3 3 3	7, 14, 11, 11, 12, 12, 13, 14, 15, 15, 15, 15, 15, 15, 15, 16, 17, 17, 10, 11, 14, 12, 12, 18, 13, 14, 13, 14, 17, 17, 17, 17, 17, 17, 17, 17, 17, 17
Maria Indiana SAS-PSD Down Jones SAS-PSD Down Jones Nikole TFSE 100 Eurostoxox 50 BISX ASS BISX ASS BISX ASS BISX BISX BISX BISX BISX BISX BISX BI	Invest   I	Daily -0.1	0.2 0.8 0.8 0.5 0.1 0.0 0.9 1.1 1.1 1.4 1.2 1.17 0.0 0.2 1.17 0.0 1.5 1.6 0.3 1.5 1.6 0.2 1.7 2.7 1.7 2.7 1.1 1.3 1.2 2.7 2.7 3.1 1.3 1.2 2.7 2.7 3.1 1.3 1.2 2.7 2.7 3.1 1.3 1.5 0.2 2.1 1.3 1.3 1.5 0.2 2.1 1.3 1.3 1.3 1.5 0.2 1.3 1.5 0.2 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	1 2 0 0 3 3 2 2 0 0 3 3 3 3 4 4 3 3 1 2 2 4 1 4 3 3 2 2 1 1 5 5 3 3 2 2 2 1 5 5 3 3 2 2 2 3 3 3 8 8 Mounthly 2 7 9 7 4 4 1 1 4 5 5 5 3 2 2 3 3 3 8 8 Mounthly 2 7 9 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7, 14 11 7, 7, 14 11 17, 7, 22 3 1 1 6, 5, 5, 19 31 17, 11 10 0 -1, 14 2 2 2, 8 3 3 -1, 13 -6, 8 8 1 1 4 13 3 7, 7 2 2 2, 26 8 8 0 9 Year 8
Marithment of State Stat	Level	Daily 0.1 1.8 0.5 1.9 1.4 1.5 1.9 1.4 1.5 1.9 1.4 1.5 1.9 1.4 1.5 1.9 1.4 1.5 1.9 1.4 1.5 1.9 1.4 1.5 1.9 1.4 1.5 1.9 1.4 1.5 1.9 1.4 1.5 1.9 1.4 1.5 1.9 1.4 1.5 1.9 1.4 1.5 1.9 1.4 1.5 1.9 1.4 1.5 1.9 1.4 1.5 1.9 1.4 1.5 1.9 1.9 1.4 1.5 1.9 1.9 1.4 1.5 1.9 1.9 1.4 1.5 1.9 1.9 1.4 1.5 1.9 1.9 1.4 1.5 1.9 1.9 1.4 1.5 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	0.2 0.8 0.5 0.1 0.0 0.0 0.1 0.1 0.1 0.1 0.1 0.1 0.1	1 2 0 0 0 3 3 3 2 2 0 0 3 3 3 3 4 4 3 3 1 2 2 4 1 1 3 3 2 2 1 1 5 5 3 3 2 2 3 3 3 3 3 8 6 6 7 3 3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	7, 14 4 7 7 14 111 17 7 7 7 1 1 6 5 5 15 15 15 17 10 0 11 17 10 0 11 17 17 10 11 17 17 11 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18
Main indices  SAP-500  SAP-500  SAP-500  SAP-500  SAP-500  Exercitors of the sape of the s	Level 2, 2,438 21,340 2	Daily (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	0.2 0.8 0.5 0.6 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	1 2 0 0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7 7 7 1 4 7 7 14 11 17 7 7 7 22 3 1 6 -5 15 15 17 -1 10 0 -1 4 2 2 8 3 -1 13 -6 8 8 1 4 4 13 7 7 -1 13 6 8 8 1 7 7 7 16 17 7 17 18 19 10 11 17 10 11 10 10
Majoritaria Sana Sana Sana Sana Sana Sana Sana Sa	Level 2, 2438 21,340 21	Daily (10.6 Daily	0.2 0.8 0.5 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1 2 2 0 0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7, 14, 17, 7, 14, 11, 17, 7, 7, 11, 16, 16, 18, 18, 11, 18, 18, 18, 18, 18, 18, 18
Main indices  Ma	Level 2, 2,438 21,340 2	0.10 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.2 0.8 0.8 0.5 0.8 0.1 0.2 0.2 0.5 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	1 2 0 0 0 3 3 2 0 0 0 3 3 3 3 3 3 3 3 3 3	7, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
MASTALLECTURE  SASSAND  SASSAN	Level 2,438 21,340 21,984 21,9	Daily 10-16 Daily	0.2 0.8 0.8 0.5 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	1 2 0 0 0 3 3 2 0 0 0 3 3 3 3 3 3 4 1 2 2 9 9 1 1 3 3 3 3 4 4 3 3 1 1 2 2 9 1 4 3 4 3 3 2 1 1 2 7 7 4 4 3 3 2 1 1 2 7 7 4 4 5 3 3 3 2 2 8 6 6 7 7 3 3 3 3 2 2 8 6 6 7 7 7 3 3 3 3 3 2 2 8 6 6 7 7 7 3 3 3 3 3 2 2 8 6 6 7 7 7 3 3 3 3 3 2 2 8 6 6 7 7 7 3 3 3 3 3 2 2 8 6 6 7 7 7 3 3 3 3 3 2 2 8 6 6 7 7 7 7 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7, 14, 17, 7, 14, 11, 17, 7, 7, 11, 16, 16, 17, 17, 17, 17, 17, 17, 17, 17, 17, 17
Marinimical State    Marinimic	Level 2, 2438 21,340 21	Daily   Dail	0.2 0.8 0.5 0.8 0.5 0.6 0.7 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	1 2 0 0 0 3 2 0 0 0 3 3 2 2 0 0 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
Majoritaria Sana Sana Sana Sana Sana Sana Sana Sa	Level 2, 2438 21,340 21	0.10 0.1 0.1 0.3 0.3 0.3 0.3 0.4 0.5 0.2 0.2 0.3 0.5 1.9 0.5 0.2 0.2 0.3 0.5 0.2 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.2 0.8 0.5 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	1 2 0 0 0 3 3 2 0 0 0 3 3 3 3 3 3 4 1 2 2 9 9 1 1 3 3 3 3 4 4 3 3 1 1 2 2 9 1 4 3 4 3 3 2 1 1 2 7 7 4 4 3 3 2 1 1 2 7 7 4 4 5 3 3 3 2 2 8 6 6 7 7 3 3 3 3 2 2 8 6 6 7 7 7 3 3 3 3 3 2 2 8 6 6 7 7 7 3 3 3 3 3 2 2 8 6 6 7 7 7 3 3 3 3 3 2 2 8 6 6 7 7 7 3 3 3 3 3 2 2 8 6 6 7 7 7 3 3 3 3 3 2 2 8 6 6 7 7 7 7 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	77 1 1 4 7 7 7 1 1 4 7 7 7 7 7 7 7 1 1 6 6 8 9 3 1 1 1 3 1 6 8 8 1 1 4 1 1 1 1 2 2 2 6 6 8 8 4 4 7 7 6 8 8 4 4 7 7 6 6 8 8 4 4 7 7 6 6 8 8 4 4 7 7 6 6 8 8 4 4 7 7 6 6 8 8 4 4 7 7 6 6 8 8 4 4 7 7 6 6 8 8 8 4 4 7 7 6 6 8 8 8 4 4 7 7 6 6 8 8 8 4 4 7 7 6 6 8 8 8 4 4 7 7 6 6 8 8 8 4 4 7 7 6 6 8 8 8 4 4 7 7 6 6 8 8 8 4 4 7 7 6 6 8 8 8 4 4 7 7 6 6 8 8 8 4 4 7 7 6 6 8 8 8 4 4 7 7 6 6 8 8 8 8 4 7 7 7 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
MAST INC. CO.  MAST I	Level 2, 2438 21,340 21,980 41,7474 41,980 4	0.hip (0.6 to 1.1 to 1.6 to 1.	0.2 0.8 0.8 0.8 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 0 0 3 3 3 3 3 3 4 4 3 3 2 2 1 4 4 3 3 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7 7 1 4 7 7 7 1 1 4 7 7 7 7 2 7 2 2 3 3 1 3 1 3 1 3 5 1 4 1 4 2 7 7 7 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Marinimical Social Soci	Level 2, 2438 21,340 21	0.11 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.2 0.8 0.9 0.9 0.9 0.9 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	1 2 0 0 3 3 3 2 2 3 3 3 8 4 4 4 1 3 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7, 1 1 4 7 7 1 1 4 7 7 7 7 7 7 1 1 6 6 5 5 1 9 9 1 1 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Majoritaria Sana Sana Sana Sana Sana Sana Sana Sa	Level 2, 2438 21,340 21	0.10 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.2 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	1 2 0 0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7
Marinimical Section	Level 2, 2438 21,340 21	0.10 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.2 0.8 0.8 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 2 0 0 3 3 3 2 2 5 9 9 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 1 2 2 1 1 1 1 1 2 2 1 1 1 1 1 2 2 1 1 1 1 1 2 1	7
Main indices  Ma	Level 2, 4,318 21,340 2	0.11 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.2 0.8 0.8 0.8 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 2 0 0 3 3 3 2 2 0 0 3 3 3 3 2 2 5 3 3 3 3 3 3 3 3 3 3 3 3 3	7
Maria Maria  Sala Sala Sala Sala Sala Sala Sala Sa	Level 1, 243 B 20, 262 B 20, 263 B 2	Daily 0.1 0.1 0.1 0.1 0.1 0.3 0.3 0.3 0.4 0.6 0.5 0.2 0.7 0.1 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.2 0.8 0.8 0.8 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 0 0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7
Marinimical State    Marinimic	Level   Local   Loca	Delity   Control   Contr	0.2 0.8 0.8 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 2 0 3 3 3 3 2 2 3 3 3 4 4 5 1 2 2 4 1 5 5 3 3 3 2 4 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7
Marinimical State   Marini	Level 2, 2438 21,340 21	0.11 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.2 0.8 0.8 0.8 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	1 2 2 0 3 3 3 3 2 2 5 5 9 4 1 3 3 3 1 2 1 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7
ASSAME STATE OF THE STATE OF TH	Level 2,1438 21,340 41,7474 41	0.11 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.2 0.8 0.8 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 2 0 0 3 3 2 2 2 5 5 9 1 1 3 3 3 8 1 1 2 2 1 1 1 3 1 2 2 1 1 1 3 1 2 2 1 1 1 3 1 2 2 1 1 1 3 1 2 2 1 1 1 3 1 2 2 1 1 1 3 1 2 2 1 1 1 3 1 2 2 1 1 1 3 1 2 2 1 1 1 3 1 2 2 1 1 1 3 1 2 2 1 1 1 3 1 2 2 1 1 1 3 1 2 2 1 1 1 3 1 2 2 1 1 1 3 1 2 2 1 1 1 3 1 2 2 1 1 1 3 1 2 2 1 1 1 3 1 1 1 1	7, 114, 111, 177, 114, 115, 115, 115, 115, 115, 115, 115
Marinimical State   Marini	Level 2, 2438 21,340 21	0.11 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.2 0.8 0.8 0.8 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	1 2 2 0 3 3 3 3 2 2 5 5 9 4 1 3 3 3 1 2 1 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7





Debt markets	level	Daily	Week	Month	YTD
US (2-yr) US	1.29 2.11	-6.9 -9.9	-1.2 -6.1	0 -23	-33
GER (2-yr) Germany	-0.69 0.23	1.1 -3.9	3.3 -4.2	-1 -19	-5
France Spain	0.58 1.38	-2.5 -5.5	-11.1 -18.7	-30 -25	-23 -13
Italy Portugal	1.94 2.85	-4.1 -10.3	-36.0	-34	7 -133
Greece Japan (2-yr)	5.80	-3.8 -0.8	-25.1 -24.2 0.4	-53 13 6	-108
lapan (2-yr) lapan Emerging Markets	-0.11 0.07	-0.8 2.3 Daily	0.4 2.6 Weekly	- 1	8 1 YTD
Brazil	10.61	-14.8	-22.5	Monthly 56	-80
Chile Colombia	4.08 6.24	0.2	3.5 10.6	-8 -11	-25 -85
Mexico Penu	7.01 5.42	-8.0 -1.5	-10.8 0.1	-18 -8	-63 -109
Poland Russia	3.13 7.76	-4.5 -0.9	-6.7 -0.4	-23 4	-59 -68
Furkey	10.23	-9.0	0.0	-11	-77
ndia ndonesia	6.89	-2.0 -0.4	-9.3 -5.3	-34 -17	9 -95
Country r Developed Markets	isk (bp, chang	es in bp) Daily	Weekly	Monthly	YTD
10-yr sovereign spread vs Germany	ICYCI		recons		
rance taly	36 171	1.4 -0.2	-6.9 -31.8	-10 -14	-18 12
Portugal	262 115	-6.4 -1.6	-20.9 -14.5	-34 -6	-100 0
2-yr sovereign spread vs Germany					
rance taly	20 42	-0.6 -1.7	-1.3 -7.9	-6 -10	-19
Portugal Spain	76 40	-4.1 -0.9	-18.6 -6.0	-28 -3	-71 -8
Emerging Markets	level	Daily	Weekly	Monthly	YTD
5-yr sovereign CDS * Brazil	233	-2.8	-1	33	-39
Chile Colombia	67 122	-1.0 -2.7	-2 -2	-6 -7	-15 -41
Mexico	108	-2.2	-3	-11	-49
Peru Venezuela	84 4,482	-2.8 89.6	-7 656	-15 751	-24 577
Poland Russia	63 158	-0.1 2.2	-3 7	-4 4	-13 -18
Turkey	185	-2.1	-7	-21	-88
China India	67 91	-2.4 -0.8	-8 -3	-12 -6	-50 -36
Indonesia	113 sk indicators	-4.2	-8	-15	-43
Volatilty indicators (%)	level	Daily	Weekly	Monthly	YTD
VIX VSTOXX	11 14	3.0 2.9	3 -5	3 -2	-1 -3
M EFT volatility Index	15	-4.9	-5	-5	-24
Oollar/euro volatility EM FX volatility index	6 8	7.1 -1.3	-9 -6	-12 2	-38 -31
Eredit spread (BAA) (bps) US bonds volatility Index	231 52	9.9	7 -6	-4 -9	-32
Banking 5 y CDS (bps) *	level	Daily	Weekly	Monthly	YTD
JS Z	56 71	-2.5 -3.4	-5 -12	-11	-16 -37
UK	58 67	-2.8 -5.6	-10 -23	-5 -10	-32 -50
Large Spanish Medium Spanish	115	-2.5	-82	-40	-36
Corporate 5y CDS (bps) * JS Non-financial	level 149	Daily -2.5	Weekly -5	Monthly 1	-16
Z Non-financial	83	-3.4	-12	-11	-37
UK Non-financial Interbank ma	114 arkets (%, ch	-0.2 anges in b	-2	-4	-11
	level	Daily	Weekly	Monthly	YTD
EONIA Index Euribor 3 m	-0.36 -0.33	0.00	0.0	0.0	0.0
Euribor 12m Libor 3m	-0.15 1.25	0.00	0.0	0.0	0.1
Libor 12m EZTED spread 3m	1.74 53.5	0.00	0.0	0.0	-12.9
	ck markets (		1.0	-0.3	-123
Main indices			Weekly	Monthly	YTD
S&P500	level 2,438	Daily -0.1	Weekly 0.2	Monthly 1	7 7
S&P500 Dow Jones Nikkei	2,438 21,340 19,884	0.1 -0.1 -0.1	0.2 0.8 -0.5	1 2 0	7 7 1
S&P500 Dow Jones Nikkei TFSE 100 EuroStoxx 50	2,438 21,340 19,884 7,474 3,548	0.1 -0.1 -0.1 -0.3 -0.3	0.2 0.8 -0.5 -0.1 0.0	1 2	7 7 1 4 7
S&P500 Dow Jones Hikkei FTSE 100 EuroStoxx 50 BEX	2,438 21,340 19,884 7,474 3,548 10,776	Daily -0.1 -0.1 -0.1 -0.3 -0.3 -1.0	0.2 0.8 -0.5 -0.1 0.0 -0.9	1 2 0 0 -3 -2	7 7 1 4 7
S&P500 Dow Jones Visided FTSE 100 EuroStoxx 50 BBEX DAX CAC	2,438 21,340 19,884 7,474 3,548 10,776 12,806 5,243	Daily -0.1 -0.1 -0.1 -0.3 -0.3 -1.0 -0.3 -0.4	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1 -0.4	1 2 0 0 -3 -2 0 -3	7 7 1 4 7 14 11 7
\$&P\$00 Dow Jones Vikkesi PTSE 100 BEX ADAX CAC MIB MIB MIS	1evel 2.438 21.340 19,884 7.474 3.548 10,776 12,806 5,243 20,961	Daily -0.1 -0.1 -0.1 -0.3 -0.3 -1.0 -0.3	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1	1 2 0 0 -3 -2	7 7 1 4 7 14 11 7
S&P500 Down Jones FISE 100 EaroStoxx 50 BEX DAX CAC AC AC AC AC BAC BAC BAC BAC BAC BAC	1evel 2.438 21.340 19,884 7.474 3.548 10,776 12,806 5,243 20,961 801 75,236	Daily -0.1 -0.1 -0.1 -0.3 -0.3 -1.0 -0.3 -0.4 -0.6 -0.5 -0.2	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1 -0.4 1.1 3.4 -1.2	1 2 0 0 -3 -2 0 -3 -3 -3 2 -5	7 7 1 4 7 14 11 7 7 22 3
S.APS00 Down Jones Villaded FTESE 100 EuroStotox S 0 BEX DAX ACA ACA BES ASS Afters MSCI Latam* Booverpa (Brazil) Mexicol	1evel 2.438 21,340 19,884 7.474 3.548 10,776 12,806 5,243 20,961 801 75,236 62,079 49,255	Daily -0.1 0.1 -0.3 -0.3 -1.0 0.3 -1.0 0.3 -0.4 -0.6 0.5 0.2 0.4 0.5	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1 -0.4 1.1 3.4 -1.2 -1.7 0.0	1 2 0 0 -3 -2 0 -3 -3 -3 2 -5 -9 -4	7 7 1 4 7 14 11 7 7 22 3 1 6
SAPSOO DOWN Jones Wakes TYSE TO EuroStoxa 50 BBCX DAX DAX CAC BBS SSC Alers MSC Latan* Bloorega (Blouz) MSC ER Europe*	2,438 21,340 19,884 7,474 3,548 10,776 12,806 5,243 20,961 801 75,236 62,079 49,255 4,814	Daity -0.1 -0.1 -0.3 -0.3 -0.3 -1.0 -0.4 -0.6 -0.5 -0.2 -0.4 -0.5 -0.2 -0.4 -0.3	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1 -0.4 1.1 3.4 -1.2 -1.7 0.0 0.2	1 2 0 0 -3 -2 0 -3 -3 -3 2 -5	7 7 1 4 7 14 11 7 7 22 3
SAPSOO Down Jones Value  Value	2.438 21,340 19,884 7,474 3,548 10,776 12,806 5,243 20,961 801 75,236 62,079 49,255 4,814 2,296 1,838	Daity -0.1 -0.1 -0.3 -0.3 -0.3 -1.0 -0.4 -0.6 -0.5 -0.2 -0.4 -0.5 -0.2 -0.3 -1.2	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1 -0.4 1.1 3.4 -1.2 -1.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1 2 0 0 3 -3 -3 2 -5 -9 -1 1 -3 -3 -8	7 7 1 4 7 14 11 7 7 22 3 1 6 -5 15
16-P500 Down Jones Gladei Gladei TSE-T00 50 LimsGloux 5 0	2.438 21,340 19,884 7,474 3,548 10,776 12,806 5,243 20,961 801 75,236 62,079 49,255 4,814 2,296 1,838 99,636 815	Daily -0.1 -0.1 -0.3 -0.3 -1.0 -0.3 -0.4 -0.6 -0.5 -0.2 -0.4 -0.5 -0.2 -0.3 -1.2 -0.3 -0.3	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1 -0.4 1.1 3.4 -1.2 -1.7 0.0 0.2 -0.5 -1.6 2.1 -0.1	1 2 0 0 0 -3 -2 0 -3 -3 2 2 -5 -9 -1 -3 -3 8 4 3	7 7 1 4 7 14 11 7 7 22 3 1 6 -5 15 -19 31
SEPS00 Down Jones USASE	2,438 21,349 19,884 7,474 3,548 10,776 12,806 5,243 20,961 75,236 62,079 49,255 4,814 2,296 1,838 99,636 815 3,131	Daily -0.1 -0.1 -0.1 -0.3 -0.3 -1.0 -0.3 -0.4 -0.6 -0.5 -0.2 -0.4 -0.5 -0.2 -0.3 -1.2 -0.3	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1 -0.4 1.1 3.4 -1.2 -1.7 0.0 0.2 -0.5 -1.6 2.1	1 2 0 0 0 3 3 -2 0 0 -3 -3 2 -5 -9 -1 -3 -3 -8 4	7 7 1 4 7 14 11 7 7 22 3 1 6 -5 15 -19
16-P500  Down Jones  Global  G	2438 21,340 19,884 7,474 3,548 10,776 12,806 5,243 20,961 801 75,236 62,079 49,255 4,814 2,296 1,838 99,636 815 3,131 5,793	Daily -0.1 -0.1 -0.3 -0.3 -1.0 -0.4 -0.6 -0.5 -0.2 -0.4 -0.5 -0.2 -0.3 -1.2 -0.3 -1.2 -0.3	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1 -0.4 1.1 3.4 -1.2 -1.7 0.0 0.2 -0.5 -0.1 -0.4 1.1 3.4 -1.2 -1.7 0.0 0.2 -0.5 -0.1 -0.0 -0.9 -0.0	1 2 0 0 0 -3 -3 -2 0 0 -3 -3 2 -5 -9 -1 -3 -3 -8 4 3 1 1 2 Monthly	7 7 1 4 4 7 7 14 4 11 1 7 7 7 22 3 1 1 6 6 5 15 15 17 17 1 10 YTD
16-P500 Down Jones  (Market  16-P500 Down Jones  16-P500 Down Jones Down J	2438 21,340 19,884 7,474 3,548 10,776 12,806 5,243 20,961 801 75,236 62,079 49,255 4,814 2,296 1,838 99,636 815 3,131 5,793 tovel	Daily -0.1 -0.1 -0.3 -0.3 -1.0 0.3 -0.4 -0.6 0.5 0.2 0.4 -0.5 -0.2 -0.3 -0.2 -0.3 -0.3 -0.4 -0.5 -0.2 -0.3 -0.3 -0.4 -0.5 -0.2 -0.3 -0.3 -0.4 -0.5 -0.2 -0.3 -0.3 -0.4 -0.5 -0.2 -0.3 -0.3 -0.4 -0.5 -0.2 -0.3 -0.5 -0.2 -0.3 -0.5 -0.2 -0.3 -0.3 -0.5 -0.2 -0.3 -0.5 -0.2 -0.3 -0.3 -0.5 -0.2 -0.3 -0.3 -0.3 -0.5 -0.2 -0.3 -0.3 -0.3 -0.5 -0.5 -0.2 -0.3 -0.	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1 -0.4 1.1 3.4 -1.2 -1.7 0.0 0.2 -0.5 -0.1 -0.0 0.2 -0.5 -0.1 -0.9 1.1 -0.4 -1.2 -1.5 -0.4 -0.5 -0.9	1 2 0 0 0 -3 -3 -3 2 5 -9 -1 -3 -3 -8 4 3 1 2 Monthly 0 -1	7 7 7 1 4 4 7 7 1 1 4 1 1 1 7 7 7 2 2 2 3 3 1 1 6 5 5 1 5 1 5 7 1 9 3 1 1 1 7 7 7 1 1 1 0 0 0 -1 1 1 1 0 0 0 -1 1
SAP-S00 Down Jones Global Glob	2438 21,340 19,884 7,474 3,548 10,776 12,806 5,243 20,961 801 75,236 62,079 49,255 4,814 2,296 1,838 99,636 815 3,131 5,793 level	Daily -0.1 -0.1 -0.3 -0.3 -0.3 -0.4 -0.6 -0.5 -0.2 -0.4 -0.5 -0.2 -0.3 -1.2 -0.3 -1.2 -0.3 -1.2 -0.3 -0.3 -0.4 -0.5	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1 -0.4 1.1 3.4 -1.2 -1.7 0.0 0.2 -0.5 -1.6 2.1 -0.1 -0.3 1.5 Weekly 3.1	1 2 0 0 0 -3 -2 0 -3 -3 2 -5 -9 -1 -3 -3 -8 4 3 1 2 2 Monthly 0	7 7 1 4 7 7 14 111 7 7 7 222 3 1 1 6 6 5 15 15 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1
SAP-SBO Down Jones USAPE	2438 21,340 19,884 7,474 3,548 10,776 12,806 5,243 20,961 801 75,236 62,079 49,255 4,814 2,296 1,838 99,636 815 3,331 1,938 119,5 86,3 86,3 87,9 87,9 88,1 88,1 88,1 88,1 88,1 88,1 88,1 88	Daily -0.1 -0.1 -0.3 -0.3 -0.3 -0.4 -0.6 -0.5 -0.2 -0.3 -1.2 -0.3 -1.2 -0.3 -1.2 -0.3 -1.2 -1.3 -1.4 -1.4 -1.5	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1 -0.4 1.1 3.4 -1.2 -1.7 0.0 0.2 -0.5 -1.6 2.1 -0.1 -0.3 1.5 -0.1 -0.3 -0.9	1 2 0 0 0 -3 3 -2 0 0 -3 3 2 -5 5 9 -1 -3 3 -8 4 3 1 2 2 Monthly 0 -1 4 -3 2 2	7 7 7 1 4 7 7 1 1 4 1 1 1 7 7 7 2 2 2 3 3 1 1 6 5 5 1 5 5 1 5 1 5 1 1 1 1 1 1 1 1
SEAPSOO  Down Jones  Global  G	2,438 21,340 19,884 7,474 3,548 10,776 12,806 5,243 20,961 801 75,236 62,075 48,114 2,296 1,838 99,636 815 3,131 5,793 1evel 119,5 86,2 63,8 23,3 44,5 22,3 44,5 44,5 44,5 44,5 44,5 44,5 44,5 44	Daily 0.1 0.1 0.1 0.3 1.0 0.3 1.0 0.5 0.5 0.2 0.4 0.5 0.2 0.3 1.2 0.3 0.2 1.2 1.3 1.3 1.4 1.4 1.3 1.4 1.5 0.5 1.5 1.5 0.5 1.4	0.2 0.8 -0.5 -0.1 0.0 -0.9 1.1 3.4 -1.2 -1.7 0.0 0.2 -0.5 -1.6 2.1 -0.3 1.5 Weekly 3.1 2.7 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1	1 2 0 0 0 3 3 2 2 0 3 3 3 4 8 4 3 3 1 1 2 2 Moorbly 0 1 4 3 2 2 1 7 7	7 7 7 1 4 4 7 7 1 1 4 1 1 1 1 7 7 7 2 2 2 3 3 1 1 7 7 1 1 0 1 1 1 0 0 1 1 1 1 1 1 1 1
16-P500  Down Jones  (Make)  (	2,438 21,340 19,884 7,474 3,548 10,776 12,806 5,243 20,961 801 75,236 62,079 49,255 4,814 2,296 1,838 99,636 815 3,131 5,793 tevel 119,5 86,2 23,3 44,5 223,0 108,8 62,4	Daily 0.1 0.1 0.1 0.3 1.0 0.3 1.0 0.5 0.2 0.4 0.5 0.2 0.3 0.2 0.3 0.2 1.3 0.2 1.3 0.2 1.3 0.2 1.3 1.5 0.5 1.4 1.5 1.5 1.4 1.5 1.5 1.4 1.5 1.5 1.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	0.2 0.8 0.5 0.0 0.0 0.0 0.9 1.1 1.1 3.4 4.1.2 1.1.7 0.0 0.2 0.5 1.6 2.1 0.1 3.1 2.7 3.1 3.2 2.7 3.1 3.2 2.7 3.3 3.0 0.5 1.7 0.6 0.6	1 2 0 0 0 3 -2 0 0 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3	7 7 7 7 1 4 4 7 7 7 1 1 4 1 1 1 7 7 7 7
SAP-SBO DOWN Jones GROWN JONES	2,438 21,340 19,884 7,474 3,548 10,776 12,806 5,243 20,961 801 75,236 62,079 49,255 4,814 2,296 1,838 99,636 815 3,131 3,131 5,793 19,595 86,2 63,33 44,5 23,3 44,5 23,0 108,8	Daily 0.1 0.1 0.1 0.3 1.0 0.3 1.0 0.5 0.2 0.4 0.5 0.2 0.4 1.2 0.3 1.2 0.3 1.2 1.4 1.9 1.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	0.2 0.8 0.5 0.0 0.0 0.9 0.9 1.1 1.1 1.2 1.7 0.0 0.0 0.5 1.6 2.1 1.5 1.6 1.5 1.5 1.6 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	1	7 7 7 7 1 4 4 7 7 7 1 1 4 1 1 1 1 7 7 7 2 2 2 3 3 1 1 1 7 7 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1
SAP-SBO Down Jones GARA	2,438 21,340 19,884 7,474 3,548 10,776 12,806 5,243 20,961 801 75,236 62,079 49,255 41,236 815 3,131 5,793 1,893 1,893 1,893 1,893 1,893 1,893 1,893 1,893 1,893 1,893 1,993 1	Daily 0.1 0.1 0.5 0.2 0.4 0.6 0.5 0.2 0.4 0.3 1.2 0.2 0.7 1.8 0.3 0.2 1.1.5 0.5 1.1.5 1.5 1.9 1.5 1.5 1.9 1.4 1.5 1.9 1.9 1.4 1.5 1.9 1.9 1.4 1.5 1.9 1.9 1.4 1.5 1.9 1.9 1.4 1.5 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	0.2 0.5 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	1 2 0 0 0 3 3 2 2 0 0 3 3 3 2 2 5 5 9 1 1 3 3 3 8 4 3 3 1 2 2 1 1 4 4 3 2 2 1 1 7 7 7 4 4 113 2 9 9	7 7 7 1 4 4 7 7 1 1 4 1 1 1 7 7 7 2 2 2 3 3 1 1 1 1 0 0 1 1 4 4 2 2 2 8 3 3 1 1 3 6 6 8 8 1 1
SAP-SEO  Down Jones  Global  G	2,438 21,340 19,884 7,474 3,548 10,776 12,866 12,866 1,263 10,752	Daily 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.3 0.3 0.3 0.4 0.5 0.5 0.2 0.4 0.5 0.2 0.7 1.8 0.2 0.7 1.8 1.3 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.2 0.8 0.5 0.1 0.0 0.9 0.9 0.1 1.1 1.1 3.4 1.1 2.7 1.6 0.1 0.3 1.5 1.7 0.0 0.9 0.9 0.9 0.9 0.9 0.9 0.9	1 2 0 0 0 3 3 2 0 0 0 3 3 3 2 2 5 5 9 1 1 3 3 3 8 4 3 3 1 2 2 1 1 7 7 7 4 1 1 3 2 2 1 1 7 7 7 4 9 8 7 7 9 9 8 7 7	7 7 7 1 4 4 7 7 1 1 4 1 1 1 1 7 7 7 2 2 2 3 3 1 1 6 6 5 5 1 5 1 5 1 1 7 -1 1 1 0 0 1 1 1 4 2 2 2 8 8 3 3 1 1 3 3 6 6 8 8 1 1 4 1 3 1 1 3 1 3
SAP-SBO  Down Jones  BANK  BANK  BANK  BANK  CAC  BANK  BANK	1,000 1,000	Daily 1.4 1.9 1.15 1.15	0.2 0.8 0.5 0.1 0.0 0.9 0.9 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1	1 2 0 0 3 3 2 2 5 9 1 1 3 3 8 4 3 1 2 2 1 1 7 7 7 4 1 13 2 2 9 9 8 7 7 2 2	7 7 7 1 4 4 7 7 1 1 4 4 1 1 1 7 7 7 2 2 2 3 3 1 1 5 5 1 5 1 5 7 1 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
SAP-SEO DOWN Jones USAPE	2,438 2,1340 19,884 10,776 801 10,776 801 10,776 801 175,236 802,099 1801 19,55 815 19,63	Daily 0.1 0.1 0.1 0.1 0.1 0.1 0.3 0.3 0.3 0.4 0.6 0.5 0.2 0.4 0.5 0.2 0.4 0.5 0.2 0.3 1.2 0.3 1.4 0.5 1.4 1.3 1.4 1.9 1.5 1.4 0.3 0.5 1.4 1.9 1.5 1.4 0.3 0.5 1.4 1.9 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	0.2 0.8 0.8 0.5 0.1 0.0 0.9 0.9 0.1 1.1 1.2 1.7 0.0 0.2 0.5 1.1 0.1 1.5 0.1 1.5 0.1 1.5 1.5 0.1 1.5 1.7 0.6 0.1 1.1 1.1 1.2 1.7 0.1 1.5 1.7 0.1 1.5 1.7 0.1 1.5 1.7 0.1 1.5 1.7 0.1 1.5 1.7 0.1 1.7 0.	1 2 0 0 0 3 2 2 0 0 3 3 2 2 5 5 9 1 3 3 3 1 2 2 1 1 7 7 4 113 2 2 9 8 7 7 2 1 5 5	7 7 7 1 4 4 7 7 7 1 4 4 7 7 7 7 1 1 6 6 5 5 1 5 5 1 5 1 5 1 7 7 1 1 1 1 1 1 1 1
16-PS-00 Down Jones Usbed Usbe	1,2428 2,438 2,1340 10,766 10,766 5,243 801 12,006 12,009 10,752	Daily 0.1 0.1 0.1 0.1 0.1 0.1 0.3 0.3 0.3 0.4 0.6 0.5 0.2 0.3 0.2 0.3 0.2 0.7 1.8 0.5 0.5 1.4 0.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	0.2 0.8 0.5 0.1 0.0 0.1 0.0 0.1 0.0 0.1 0.0 0.1 0.1	1 2 0 0 0 3 3 2 0 0 3 3 2 2 5 5 9 1 3 3 8 4 3 3 1 2 2 2 1 1 4 3 3 2 2 1 1 7 7 7 4 1 1 3 2 9 9 8 7 7 2 2 1 5 5 3 2 2	7 7 7 7 1 4 4 7 7 7 7 7 7 7 7 1 1 1 1 1
SAPSOO Down Jones  184640  184715 E 100  1857	1, 2, 3, 3, 3, 4, 3, 4, 5, 6, 7, 9, 8, 7, 2, 9, 9, 8, 9, 9, 8, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9,	Daily 0.1 1.5 1.5 1.9 1.1 1.5 1.9 1.1 1.5 1.9 1.1 1.5 1.9 1.1 1.5 1.9 1.1 1.5 1.9 1.1 1.5 1.9 1.1 1.5 1.9 1.1 1.5 1.9 1.1 1.5 1.9 1.1 1.5 1.9 1.1 1.5 1.9 1.1 1.5 1.9 1.1 1.5 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	0.2 0.8 0.5 0.1 0.0 0.9 0.1 0.0 0.9 0.9 0.1 1.1 1.3 4.1 1.2 1.7 0.0 0.2 1.1 0.5 1.1 0.3 1.5 Weakly 3.1 2.7 2.7 3.3 1.5 2.7 1.7 0.5 1.4 1.3 1.1 2.2 1.8 1.1 1.3 1.1 1.5 1.5 1.5 1.5 1.5 1.5 1.7 0.5 1.1 1.3 1.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	1 2 0 0 0 3 3 3 2 2 5 9 1 1 3 3 8 4 3 3 1 2 2 1 1 7 7 7 4 1 1 3 2 2 1 1 7 7 7 2 2 1 1 5 3 3 2 3 3 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	7 7 7 7 1 4 4 11 1 4 7 7 7 7 2 2 2 3 3 1 1 6 6 5 5 1 5 5 1 5 5 1 5 5 1 5 1 5 1
SAPSOO Down Jones NAME NAME NAME NAME NAME NAME NAME NAME	1,242 2,428 2,1340 10,746 10,7	Daily 0.1 1.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	0.2 0.8 0.8 0.5 0.1 0.0 0.1 0.0 0.1 0.0 0.1 0.0 0.1 0.1	1 2 0 0 0 3 3 3 2 2 5 9 1 1 3 3 8 4 3 3 1 2 2 1 1 7 7 7 4 1 1 3 2 2 1 1 7 5 3 3 2 2 3 3 3 3 2 2 2 3 3 3 3 2 2	7 7 7 7 7 7 7 7 1 4 4 7 7 7 7 7 7 7 7 1 1 4 1 1 1 1
SAP-SBO Down Jones Global Glob	1248 2248 21340 2148 2148 2148 2148 2148 2148 2148 2148	Doily 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.2 0.8 0.8 0.5 0.1 0.0 0.1 0.0 0.1 0.0 0.1 0.0 0.1 0.0 0.1 1.1 0.0 0.2 0.5 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	1 2 2 0 0 3 3 2 2 5 5 9 1 3 3 3 8 8 3 1 1 2 2 1 1 7 7 7 4 3 3 2 2 1 1 5 3 3 2 2 3 3 3 3 2 2 8 6 6 6 6	7 7 7 7 7 14 4 7 7 7 7 14 4 111 7 7 7 7
SEAPSOO  Down Jonnes  (Maked  1855 100  185 100	12,438 12,340 12,340 12,340 10,776	Daily 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.2 0.2 0.3 0.2 0.2 0.7 1.2 1.3 1.4 1.5 1.5 1.9 1.4 1.5 1.5 1.5 1.9 1.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	0.2 0.8 0.5 0.6 0.1 0.0 0.1 0.0 0.1 0.0 0.1 0.0 0.1 1.1 0.0 0.2 0.5 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	1 2 0 0 0 3 3 3 2 2 5 9 1 1 1 3 3 3 3 8 4 4 3 1 2 2 1 1 1 4 1 3 2 2 1 1 1 5 5 3 2 2 1 1 5 5 3 2 2 1 5 5 3 2 2 8 6 6 7	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
SAP-SEO DOWN JOHN JOHN JOHN JOHN JOHN JOHN JOHN JOH	12,438 21,340 11,340 12,458 10,278 10	Daily -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1	0.2 0.8 0.5 0.1 0.0 0.1 0.0 0.1 0.0 0.1 0.0 0.1 1.1 1	1 2 2 0 0 3 3 2 2 5 5 9 1 3 3 3 8 8 3 1 1 2 2 1 1 7 7 7 4 3 3 2 2 1 1 5 3 3 2 2 3 3 3 3 2 2 8 6 6 6 6	7 7 7 7 7 14 4 7 7 7 7 14 4 111 7 7 7 7
SEAPSOO  Down Jones  GARAGE  G	12,438 21,340 11,340 12,458 10,278 10	Daily 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	0.2 0.8 0.5 0.1 0.0 0.9 1.1 1.2 0.2 0.5 1.6 1.2 1.7 1.5 1.2 1.7 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	1 2 0 0 0 3 2 0 0 3 3 2 2 5 5 9 1 3 3 3 8 8 4 3 3 1 1 2 2 1 1 7 7 7 4 3 3 2 2 1 1 5 3 3 2 2 8 6 6 7 3 3 2 2 8 6 6 7 3 3	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 14 4 7 7 7 7
16-P500 Down Jones  10-10-10-10-10-10-10-10-10-10-10-10-10-1	Next	Daily 0.1 1.3 1.4 1.5 1.9 1.9 1.4 1.5 1.9 1.9 1.4 1.5 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	0.2 0.8 0.5 0.1 0.0 0.9 0.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	1 2 0 0 0 3 3 2 0 0 3 3 3 2 2 5 9 9 1 3 3 3 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	7 7 7 14 4 111 7 7 7 22 2 6 5 15 5 14 4 2 2 7 7 14 4 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
16-P500  Down Jones  Global  G	Next   19,884   19,	Daily 0.1 1	0.2 0.8 0.5 0.1 0.0 0.9 0.1 1.1 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.3 1.2 1.2 1.3 1.2 1.2 1.3 1.3 1.5 1.4 1.4 1.3 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4	1 2 2 0 0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7 7 1 4 4 7 7 7 1 4 4 1 1 1 1 7 7 7 7 1 4 4 1 1 1 1
SAP-SBO  Down Jones  GARD  JONES  GARD  JONES  JONE	1248 2.438 2	Daily 0.11 0.11 0.12 0.13 0.13 0.14 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	0.2 0.8 0.5 0.1 0.0 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	1 2 0 0 0 3 3 2 2 0 3 3 3 3 3 3 3 3 3 3 2 2 4 8 6 7 2 3 8 Moorthy 2.7 4.1 1.5 5 6 7 4.2 5 6 7 4.2 5 6 7 4.2 5 6 7 4.2 5 6 7 4.2 5 6 7 4.2 5 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6	7 7 14 4 7 7 14 4 111 7 7 7 22 2 3 3 1 1 6 6 5 5 119 9 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
16-PS-00  Down Jones  10-PS-00  Down Jones  10-PS-00  DOWN JONES	100.00   1	Daily (1.0 c)	0.2 0.8 0.5 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	1 2 2 0 0 3 3 2 2 0 0 3 3 3 3 3 3 3 3 3 3	7 7 7 1 4 7 7 7 1 4 1 1 1 1 7 7 7 1 3 1 1 6 6 5 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5
16-P8-00  John John John John John John John John	Next	0.10 0.11 0.11 0.13 0.10 0.13 0.04 0.05 0.05 0.05 0.05 0.05 0.05 0.05	0.2 0.8 0.5 0.1 0.0 0.0 0.1 0.1 0.1 0.1 0.1 0.1 0.1	1 2 2 0 0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7 7 7 1 4 4 7 7 7 1 4 4 1 1 1 1 1 1 1 1
SAP-SEO  Down Jones  BANK  Laur Stone S  EX  AX  AC  CI  BANK  ACA  CI  BANK  SEC  SEC  SEC  SEC  SEC  SEC  SEC  SE	1248 2.438 2.438 2.438 2.438 2.0961 2.438 2.0961 2.438 2.0961 2.438 2.0961 2.438 2.0961 2.438 2.0961 2.438 2.0961 2.438 2.0961 2.438 2.0961 2.438 2.43	Daily 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.2 0.8 0.8 0.5 0.8 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	1 2 2 0 0 3 2 2 0 0 3 3 2 2 2 0 1 3 3 3 3 1 2 2 1 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7 7 7 1 4 4 7 7 7 1 4 4 1 1 1 1 1 1 1 1
16-8-960  Down Jones  Good Jones  Good Jones  Good Jones  Extra State St	1 1,24 1,24 1,24 1,24 1,24 1,24 1,24 1,2	Daily 14.4 1.05 1.15 1.29 2.2 2.2 2.2 2.2 1.2 1.2 1.3 1.3 1.3 1.3 1.3 1.3 1.4 1.4 1.0 0.3 1.4 1.5 1.5 1.9 1.5 1.5 1.9 1.5 1.5 1.9 1.5 1.5 1.9 1.5 1.5 1.9 1.5 1.5 1.9 1.5 1.5 1.9 1.5 1.5 1.9 1.5 1.5 1.9 1.5 1.5 1.9 1.5 1.5 1.5 1.9 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	0.2 0.5 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	1 2 2 0 0 3 3 3 2 2 5 9 9 1 1 3 3 3 1 1 1 1 4 1 1 3 2 1 1 7 7 7 4 4 1 1 1 3 2 2 9 8 6 7 2 2 1 1 1 3 3 2 2 8 6 6 7 7 3 3 2 2 8 6 6 7 7 3 3 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	7 7 7 14 4 7 7 7 7 7 7 7 7 1 1 1 1 1 1 1
SAP-SEO DOWN Jones    SAP-SEO DOWN JONES    SAPE    SA	Next   19,884   19,	0.11 0.11 0.31 0.13 0.33 0.10 0.30 0.30	0.2 0.8 0.8 0.5 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	1 2 2 0 0 3 3 3 2 5 5 9 9 1 3 3 8 4 1 3 3 1 1 2 1 4 4 1 3 2 2 1 1 7 7 7 4 1 1 3 2 2 1 1 5 3 2 2 3 8 6 7 7 3 8 6 6 7 7 3 8 6 6 7 7 3 8 6 6 7 7 3 8 6 6 7 7 3 8 6 6 7 7 3 8 6 6 7 7 3 8 6 6 7 7 3 8 6 6 7 7 3 8 6 6 7 7 3 8 6 6 7 7 3 8 6 6 7 7 3 8 6 6 7 7 3 8 6 6 7 7 3 8 6 6 7 7 3 8 6 6 7 7 3 8 6 6 7 7 3 8 6 6 7 7 3 8 6 6 7 7 3 8 6 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	7 7 7 7 1 4 4 7 7 7 7 7 7 7 7 7 7 7 7 7
SAPSOO  Down Jones  BOAN  BOAN  ANA  ACA  CHEWSTON SO  BEX  ANA  ACA  CHEWSTON SO  BEX  ANA  ACA  CHEWSTON SO  BEX  MSCI LIALam *  bookespa disparel  MSCI LIALam *  MSCI LIALam *  MSCI LIALam *  Bookespa disparel  MSCI LIALam *  M	1248 2248 2048 2048 2048 2048 2048 2048 2	0.11 0.1 0.1 0.3 0.3 1.0 0.3 1.0 0.3 1.0 0.4 0.6 0.5 0.2 0.2 0.3 1.1 0.3 1.0 0.3 1.0 0.3 1.0 0.3 1.0 0.3 1.0 0.3 1.0 0.3 1.0 0.3 1.0 0.3 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.2 0.5 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	1 2 2 0 0 3 3 3 3 2 5 5 9 9 1 1 3 3 6 4 3 3 1 2 7 7 7 4 4 1 3 2 2 9 8 7 7 7 4 4 1 3 2 2 3 3 3 3 3 6 6 7 3 3 6 6 7 3 3 6 6 7 3 3 6 6 7 3 3 6 7 7 7 7	7 7 7 7 7 1 4 4 7 7 7 7 1 1 4 1 1 1 1 1
SAPSOO  Down Jones  BANK  LEWS SON  BEX  ANX  ACA  CHA  BANK  ACA  BANK	1248 2248 2248 2248 2248 2248 2248 2248	0.11 0.1 0.1 0.3 0.1 0.3 0.3 0.0 0.6 0.6 0.5 0.2 0.7 1.0 0.3 1.2 0.6 0.7 1.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.2 0.5 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	1 2 2 0 0 3 3 3 2 2 0 0 3 3 3 3 1 2 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	7 7 7 7 7 1 4 4 7 7 7 7 1 1 4 1 1 1 1 1
SAP-SEO DOWN JOHN JOHN JOHN JOHN JOHN JOHN JOHN JOH	Next	0.11 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.2 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	1 2 2 0 0 3 3 3 3 2 2 5 5 9 1 1 3 3 3 3 1 2 2 1 1 4 4 3 3 2 2 1 1 5 5 3 3 3 3 2 2 8 6 6 7 7 7 7 4 1 3 1 2 2 1 1 5 5 3 3 1 2 2 3 3 3 3 2 2 8 6 6 7 7 3 3 8 8 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7 7 7 1 4 7 7 7 1 1 4 1 1 1 1 1 7 7 7 7
16-8-900  John Jones  John John John John John John John John	1,243   1,243   1,244   1,24	0.11 0.1 0.1 0.1 0.3 0.3 1.0 0.3 1.0 0.6 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	0.2 0.5 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	1 2 2 0 0 3 3 3 2 2 0 0 3 3 3 3 1 2 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	7 7 7 7 7 1 4 4 7 7 7 7 1 1 4 1 1 1 1 1
16-8-900  John Jones  John John John John John John John John	1 1,24 1,24 1,24 1,24 1,24 1,24 1,24 1,2	0.11 0.1 0.1 0.1 0.3 0.3 1.0 0.3 1.0 0.4 0.6 0.5 0.2 0.3 1.2 0.5 0.2 0.7 0.7 1.8 0.8 0.8 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	0.2 0.8 0.8 0.8 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 2 0 0 3 3 3 3 3 3 4 4 4 3 3 1 1 2 3 4 4 4 4 3 4 5 4 5 4 5 4 5 4 5 4 5 4 5	7 7 7 14 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
16-8-900  Johns Jo	Next	0.11 0.1 0.1 0.1 0.3 0.3 0.0 0.6 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.8 0.8 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.2 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	1 2 2 0 0 3 3 2 2 5 5 9 9 1 1 3 3 3 8 4 4 3 1 1 2 2 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 1 2 2 2 1 1 1 1 1 2 2 2 1 1 1 1 1 2 2 2 1 1 1 1 1 2 2 2 1 1 1 1 1 2 2 2 1 1 1 1 1 2 2 2 1 1 1 1 1 2 2 2 1 1 1 1 1 2 2 2 1 1 1 1 1 2 2 2 1 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 2 1 1 1 1 2	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
SAP-SEO DOWN JOHN JOHN JOHN JOHN JOHN JOHN JOHN JOH	19.00   19.0	0.11 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.2 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	1 2 2 0 0 3 3 3 3 2 9 5 9 9 1 1 3 3 3 3 1 2 2 1 1 4 4 3 3 2 2 1 1 5 5 3 3 3 3 2 2 8 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7 7 7 1 4 7 7 7 7 1 1 4 7 7 7 7 1 1 4 7 7 7 7
SAPSOO  DOWN Jones  IAMAN  IAM	Next   19,884   19,	0.11 0.1 0.1 0.1 0.3 0.3 0.3 0.3 0.3 0.3 0.4 0.6 0.5 0.2 0.2 0.3 0.1 1.8 0.8 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.2 0.5 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	1 2 2 0 0 3 3 3 2 2 5 5 9 4 3 3 3 8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Developed  ERBUSD  GBPUSD  GBPUSD  SSD JPY  DXY  STORY  SSD ARS (Algeritina)  SSD ARS (Algeritina)  SSD RES (Algeritina)	19.00   19.0	0.11 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.2 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	1 2 2 0 0 3 3 3 2 2 5 3 3 3 8 4 4 4 4 3 3 2 2 1 4 7 7 7 4 4 1 1 1 2 2 9 9 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 1 2 2 1	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7



Source: Bloomberg, Datastream and Haver

Source: Bloomberg, Datastream and Haver

## \* With one day delay

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