

Market Comment | US Treasury yield and Oil prices break their recent highs

Global Financial Markets Unit 24 Apr 2018

- The 10 year UST yield reached its highest level since 2014 and broke the 3% threshold today.
 Inflation expectations (in a context of increasing oil prices) and the diminishing trade and political concerns continued to push sovereign yields up. European yields remained almost unchanged despite the slightly worse-than-expected confidence indicators (IFO) (see). Peripheral risk premiums remained almost unchanged.
- Equity volatility remained hovering around 16 points while demand for safe-haven assets continued to
 decrease (UST and JPY, at its lowest since January against the USD). However, the main developed
 market indices took a breather after their recent gains. US equity indices were mixed today, while
 European indices showed a negative bias during the session. Only Asian equity markets benefited from
 the positive global tone and recovered some ground from yesterday's fall. The recent rally of the USD
 against its peers moderated today, except against the JPY.
- Oil prices continued on their upward trend and hit US\$75 per barrel, boosted by geopolitical events
 (potential sanctions on Iran) coupled with expectations of further commitment among main suppliers to
 withhold supply. <u>(see)</u> In this context, commodity-related currencies (CLP, COP, MXN or RUB)
 appreciated today after a very poor beginning to the week, while other important currencies (BRL)
 continue their negative trend, in response, among other factors, to higher US Treasury yields.

Table1 Update 18.0 CET 24 April



Debt markete	(10V % ch	anger in i	an)		
Debt markets Developed Markets		Daily		Month	YTD
US (2-yr) US	2.49 2.99	1.1	9.3 15.8	23 17	57 52
GER (2-yr) Germany	-0.55 0.63	0.1 -0.4	3.2 12.5	6 11	6 17
France Spain	0.85	0.1	11.8	9	3
Italy	1.30	-1.2 -2.6	1.0	3 -11	-42
Portugal Greece	1.68	-1.3 -4.6	6.6	-4 -39	-33 -12
Japan (2-yr)	-0.13 0.06	-0.9 1.3	1.4	2	0
Japan Emerging Markets	level	Daily	Weekly	Monthly	YTD
Brazil Chile	9.91 4.38	0.1	10.1 0.3	40 -12	-34 -13
Colombia	6.47 7.53	3.2		-26	3
Mexico Peru	4.90	6.7	15.5 12.3	5 36	-5 2
Poland Russia	3.10	-5.0	4.2 -10.0	-16 25	-22 -27
Turkey	7.36 12.31	6.0	-36.0	-3	95
India Indonesia	7.69 6.95	-4.7 5.4	20.4 33.0	14	31 65
Country ris	ak (bp. chang	es in bp)			
Developed Markets 10-yr so vereign spread vs Germany	level	Daily	Weekly	Monthly	YTD
France	22	0.5	-0.7	-2	-7
Italy Portugal	114 105	-2.2 -0.9	-11.5 -5.9	-21 -14	-51 -42
Spain	67	-0.8	-4.5	-7	-41
2-yr sovereign spread vs Germany France	8	-0.2	-1.2	-5	-8
Italy	25	-0.3	-1.3	-8	-12
Portugal Spain	40 23	-0.7 -0.9	0.6 -2.0	-25 -6	-28 -4
Emerging Markets	level	Daily	Weekly	Monthly	YTD
5-yr so vereign CDS * Brazil	166	-3.1	-2	0	6
Chile	47	-1.6	0	-7	-2
Colombia Mexico	99 106	-2.7 -4.0	1 3	-11 -8	-6 -1
Peru	71	-1.9	-4	-15	-1
Poland Russia	48 135	-0.7 -0.6	-11	-4 15	17
Turkey	195	-0.5	-10	0	30
China India	59 73	-0.2 -0.1	-1 -2	-7 -2	8
Indonesia	98	-1.1	1	-6	13
Ris Volatilty indicators (change in pg)	k indicators level	Daily	Weekby	Monthly	YTD
VIX	16	0.0	1	-9	7
VSTOXX EM EFT volatility Index	13 19	0.1	-1	-8 -11	0
Dollar/euro volatility	7	0.0	1	0	0
EM FX volatility index Credit spread (BAA) (change in bps)	8 175	0.2 -1.1	0	-12	-2
US bonds volatility index	53	0.1	4	-12	4
Inflation expectations (%) US Inflation expectations (5Y5Y)	level 2.48	Daily	Weekly 2	Monthly 12	YTD 16
EZ Inflation expectations (5Y5Y)	1.70	-	1	2	-4
Banking 5 y CDS (bps) * US	level 54	Daily 0.5	Weekly	Monthly .3	YTD 12
EZ	51	-0.2	- 4	-8	12
UK Large Spanish	43	-0.3 -0.1	-2 1	-9 -10	8
Medium Spanish	69	0.9	3	-3	-6
Corporate 5y CDS (bps) * US Non-financial	level 156	Daily 0.5	Weekly	Monthly -3	YTD 12
EZ Non-financial	66	-0.2	-4	-8	12
UK Non-financial	103	0.1 inges in b	0	-2	10
Interbank ma	rkets (%, che level	nges in o Daily	Weekly	Monthly	YTD
EONIA Index	-0.37	0	0	0	0
Euribor 3m Euribor 12m	-0.33 -0.19	0	0	0	0
Libor 3m	2.36	0	0	7	67
Libor 12m	2.77 k markets C	1	2	9	66
	A HEIROGO C				
Main indices S&P500	2,670	Daily 0.0	Weekly -1.3	Monthly 3.2	YTD -1
S&P500 Dow Jones	24.425	0.0 -0.1	-1.3 -1.5	3.2 3.8	-1 -2
S&P500 Dow Jones Nikkel FTSE 100	24.425 22.278 7,421	0.0 -0.1 0.9 0.3	-1.3 -1.5 2.0 2.7	3.2 3.8 8.1 7.2	-1 -2 -2 -3
S&P500 Dow Jones Nikkel	24.425 22.278 7,421 3,507	0.0 -0.1 0.9 0.3 -0.2	-1.3 -1.5 2.0 2.7 0.8	3.2 3.8 8.1 7.2 6.3	-1 -2 -2 -3 0
\$&P500 Dow Jones Nikkel FTSE 100 EuroStoxx 50 IBEX DAX	24.425 22.278 7.421 3.507 9.873 12.536	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3	-1.3 -1.5 2.0 2.7 0.8 0.7 -0.4	3.2 3.8 8.1 7.2 6.3 5.1 5.5	-1 -2 -2 -3 0 -2 -3
\$&P\$00 Dow Jones Nikkel FISE 1 00 Euro\$toxx 50 IBEX	24,425 22,278 7,421 3,507 9,873 12,536 5,436	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3 0.0	-1.3 -1.5 2.0 2.7 0.8 0.7 -0.4 1.5	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7	-1 -2 -2 -3 0 -2 -3 3
S&P500 Dow Jones Nikkel FTSE 100 EuroStoxx 50 IBEX DAX CAC MIB AES Athens	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3 0.0 0.1 -0.1	-1.3 -1.5 2.0 2.7 0.8 0.7 -0.4 1.5	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6	-1 -2 -2 -3 0 -2 -3 3 10 2
SAP 900 Dow Jones Nikkel FTSE 100 EuroStoxx 50 IBEX DAX CAC MB ASE Athens MB MCSC Latam *	24.425 22.278 7.421 3.507 9.873 12.536 5.436 24,015 838 91,933	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3 0.0 0.1 -0.1	-1.3 -1.5 2.0 2.7 0.8 0.7 -0.4 1.5 1.5 0.1 2.2	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 1.9	-1 -2 -2 -3 0 -2 -3 3 10 2
SAPBOO Dow Jones Nikot FTSE 100 EuroStoxx 50 BIBC DAX CAC MID MID MID BOOK MID	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,933 86,062 48,192	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3 0.0 0.1 -0.1 0.5 -0.5	-1.3 -1.5 2.0 2.7 0.8 0.7 -0.4 1.5 1.5 0.1 2.2 2.4	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 1.9 2.0 3.6	-1 -2 -2 -3 0 -2 -3 3 10 2 7
SAPBOD DOWN Jones Nates FFES 100 EuroStoux 50 BIBEX DAX CAC MIB MSC Latam * Bibor eggs (Bibat) MSC Latam * MSC	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,933 86,062 48,192 5,462 2,269	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3 0.0 0.1 -0.1 0.1 0.5 -0.5 -0.5 -0.4 -1.0	1.3 -1.5 2.0 2.7 0.8 0.7 -0.4 1.5 1.5 0.1 2.2 2.4 -1.5 3.1 -1.7	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 1.9 2.0 3.6 •2.0 0.5	-1 -2 -2 -3 0 -2 -3 3 10 2 7 10 -4 1 -8
S&P500 Dow Jones Noted FFEST 00 EuroStatus 50 BBCX CAC AMM MB ASE Afters MAGC Latum* Bovregar Blazzio Medical	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,933 86,062 48,192 5,462 2,269 4,396	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3 0.0 0.1 -0.1 0.1 0.5 -0.5 0.4 -1.0 0.1	1.3 -1.5 2.0 2.7 0.8 0.7 -0.4 1.5 1.5 0.1 2.2 2.4 1.5 3.1 -1.7 2.5	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 1.9 2.0 0.5 -1.5	-1 -2 -2 -3 0 -2 -3 3 10 2 7 10 -4 1 1-8 7
SAPPBO DOWN JONES NAME NAME NAME NAME NAME NAME NAME NAME	24.425 22.278 7.421 3.507 9.873 12.536 5.436 24.015 838 91,933 86.062 48.192 5.462 2.269 4.396 110.059	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3 0.0 0.1 -0.1 0.5 -0.5 0.4 -1.0 0.1 -0.8 -0.6	1.3 -1.5 2.0 0.8 0.7 -0.4 1.5 0.1 2.2 2.4 -1.5 3.1 -1.7 2.5 1.2 -1.8	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 1.9 2.0 3.6 -2.0 0.5 -1.5 -5.6 -2.9	-1 -2 -2 -3 0 -2 -3 3 10 2 7 10 -4 1 -8 7 -6 0
S&P500 Dowl Jones Noted FFEE TOO S Noted DOWN DOWN DOWN DOWN DOWN DOWN DOWN DOWN	24.425 22.278 7.421 3.507 9.873 12.536 24.015 838 91.933 86,062 48,192 5.462 2.269 4.396 110,059 923 3.129	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3 0.0 0.1 -0.1 0.5 -0.5 -0.4 -1.0 0.1 -0.8 -0.6	1.3 -1.5 2.0 0.8 0.7 -0.4 1.5 0.1 2.2 2.4 -1.5 3.1 -1.7 2.5 1.2	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 1.9 2.0 3.6 -2.0 0.5 -1.5 -5.5 -5.6 -2.9 -0.8	-1 -2 -2 -3 0 -2 -3 3 10 2 7 10 -4 1 -8 7 -6 0
S&P500 Dow Jones Noted FFSE 100 Exercitions 50 Exercitions 50 DAX CAC AC	24.425 22.278 7.421 3.507 9.873 12.536 24.015 838 91.933 86.062 48.192 5.462 2.269 4.396 110.059 923 3.129 6.230 beval	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3 0.0 0.1 -0.1 0.5 -0.5 -0.4 -1.0 0.1 -0.8 -0.6 -0.6 -0.6 -0.7 -0.8	1.3 1.5 2.0 0.8 0.7 -0.4 1.5 1.5 0.1 2.2 2.4 -1.5 3.1 -1.7 2.5 1.2 -0.8 2.0 0.8 0.7	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 1.9 2.0 3.6 -2.0 0.5 -1.5 -5.6 -2.9 -0.8	-1 -2 -2 -3 -0 -2 -3 -3 -10 -2 -7 -10 -4 1 -8 7 -6 0 0 -7 -2
SAPBOO Dowl Jones Nates	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,933 86,062 48,192 5,462 2,269 4,396 110,059 923 3,129 6,230 lovel	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3 0.0 0.1 -0.1 0.5 -0.5 -0.4 -1.0 0.4 -1.0 0.6 2.0 -1.7 Daily	1.3 1.5 2.0 0.8 0.7 0.4 1.5 1.5 1.5 0.1 2.2 2.4 1.5 1.5 0.1 2.2 2.4 1.5 1.7 2.5 1.0 8 0.7	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 1.9 2.0 3.6 -2.0 0.5 -1.5 -5.6 -2.9 -0.8 -0.4 -0.4 -0.4 -0.4 -0.4 -0.4 -0.4 -0.4	-1 -2 -2 -3 -3 -0 -2 -3 3 10 -2 -7 10 -4 1 -8 7 -6 0 -7 -2 YTD 0
SAPBOO Down Jones Noted Notes 19 FISE 100 DAX CAC AND SAPE SAPE SAPE SAPE SAPE SAPE SAPE SAPE	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,933 86,062 2,269 4,396 110,059 923 3,129 6,230 129 6,230 142,2 142,2 142,2 142,2 142,2 172,3	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3 0.0 0.1 -0.1 0.5 -0.5 0.4 -1.0 0.1 -0.8 -0.6 -0.8 -0.8 -0.8 -0.8 -0.8 -0.1 -0.1 -0.1 -1.0 -1.0 -1.0 -1.0 -1.0	1.3 -1.5 2.0 2.7 0.8 0.7 -0.4 1.5 1.5 1.5 1.5 1.1 2.2 2.4 -1.5 3.1 -1.7 2.5 3.1 -1.7 2.5 9.8 2.0 9.8 9.9 9.9 9.9 9.9 9.9 9.9 9.9 9.9 9.9	3.2 3.8 8.1 7.2 6.3 5.5 6.7 7.7 6.6 1.9 2.0 0.5 -1.5 -5.6 -2.0 0.5 -1.5 -6.6 -2.0 0.5 -1.5 -3.6 -4.0 -4	-1 -2 -3 -0 -2 -3 -3 -10 -2 -7 -10 -4 -1 -8 -7 -2 -2 -7 -2 -4 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6
SAPPBO Dowl Jones Naket	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,933 86,062 48,192 5,462 2,269 4,305 923 3,129 6,230 level 142,2 112,3 70,2 30,7	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3 0.0 0.1 -0.1 0.5 -0.5 -0.4 -1.0 0.1 -0.8 -0.6 2.0 -1.7 Daily 1.0 1.2 1.1	1.3 -1.5 2.0 2.7 0.8 0.7 -0.4 1.5 1.5 1.5 1.5 2.2 4 -1.5 3.1 -1.7 2.5 1.2 -0.8 2.0 -0.9 Weekly 0.7 1.9 0.7	3.2 3.8 8.1 7.2 6.3 5.5 6.7 7.7 6.6 1.9 2.0 3.6 -2.0 0.5 -1.5 -5.6 -2.9 -0.8 -0.4 -	-1 -2 -3 0 -2 -3 3 10 2 7 10 -4 1 -8 7 -6 0 -7 -2 YTD 0 4 6 3
SAPPBO Dowl Jones Nation Natio	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,932 86,062 48,192 5,462 2,269 4,396 110,059 9,23 3,129 6,230 lovd 142,2 112,3 70,2 30,7 54,2	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3 -0.0 -0.1 -0.1 -0.5 -0.4 -1.0 -0.1 -0.8 -0.6 -0.1 -0.9 -0.1 -0.5 -0.4 -1.0 -1.	1.3 -1.5 2.0 2.7 0.8 1.5 0.1 2.2 2.4 -1.5 0.1 2.2 2.4 -1.7 2.5 1.2 2.0 8 2.0 0.7 0.8 2.0 0.7 2.1 2.2 1.7 2.5 2.5 1.7 2.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	3.2 3.8 8.1 7.2 6.3 5.5 6.7 7.7 6.6 1.9 2.0 0.5 -2.0 0.5 -5.6 -2.0 0.4 Morthly 3.6 4.9 3.4 5.3 4.1	-1 -2 -3 0 -2 -3 3 100 2 7 10 -4 1 8 7 -6 0 -7 -2 YTD 0 4 -6 3 4
SAPBOO Down Jones Nated Notes 19 FISE 100 DAX CAC ABEX BEX BEX BEX BEX BEX BEX BEX BEX BEX	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,933 86,062 48,192 5,462 2,269 4,305 923 3,129 6,230 level 142,2 112,3 70,2 30,7	0.0 -0.1 0.9 0.3 0.2 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.4 -1.0 0.1 0.8 -1.7 -1.7 -1.7 -1.7 -1.1	1.3 -1.5 2.0 2.7 0.8 0.7 -0.4 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 0.7 -0.4 1.5 0.7 -0.4 1.5 0.7 -0.4 1.5 0.7 -0.4 -0.5 0.7 -0.6	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 1.9 2.0 3.6 2.0 0.5 1.5 5.6 2.0 0.5 1.5 1.5 5.6 4.9 0.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	-1 -2 -3 0 -2 -3 3 10 2 7 10 -4 1 -8 7 -6 0 -7 -2 YTD 0 4 6 3
SAPPBO Down Jones Naket	24,425 22,278 7,421 3,507 12,536 5,436 24,015 838 91,933 86,062 48,192 5,462 2,269 4,396 110,059 923 3,129 6,230 level 142,2 112,3 70,2 30,7 54,2 247,5 111,0 64,0	0.0 -0.1 -0.9 0.3 -0.2 -0.5 -0.3 -0.0 -0.1 -0.1 -0.1 -0.5 -0	1.3 1.5 2.0 2.7 0.8 1.5 1.5 0.1 1.5 1.5 1.1 2.2 2.4 1.5 2.5 1.2 0.8 Weekly 0.7 1.9 0.7 1.9 0.7 2.3 1.8 2.4 2.8 3.4 2.3	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 6.7 7.7 6.6 2.0 0.5 5.6 2.0 0.5 5.6 4.9 3.6 4.9 3.6 4.9 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	-11 -2 -3 -3 -0 -2 -3 -3 -3 -10 -2 -7 -10 -4 -1 -1 -8 -7 -6 -6 -3 -4 -3 -2 -3 -2 -2 -3 -2 -2 -2 -3 -2 -2 -2 -3 -2 -2 -3 -2 -2 -2 -3 -2 -2 -2 -3 -2 -2 -2 -3 -2 -2 -2 -3 -2 -2 -2 -2 -3 -2 -2 -2 -3 -2 -2 -2 -2 -3 -2 -2 -2 -2 -3 -2 -2 -2 -2 -3 -2 -2 -2 -2 -3 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2
SAPBOO Down Jones Nated Notes 19 FISE 100 DAX CAC ABEX BEX BEX BEX BEX BEX BEX BEX BEX BEX	24,425 22,278 7,421 3,507 9,873 12,536 24,015 838 91,933 86,062 2,269 4,396 110,059 923 3,129 6,230 142,2 112,3 70,2 142,2 112,3 112,0 111,0 137,7 12,2 111,0	0.0 0.1 0.9 0.3 0.2 0.5 0.3 0.0 0.1 0.1 0.1 0.5 0.5 0.5 0.3 0.0 0.1 0.1 0.1 0.1 0.1 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	1.3. 1.5. 2.0 2.7. 0.8 0.7. 0.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.6 1.7 2.2 4 1.1.5 2.0 0.8 2.0 0.7 1.9 0.7 1.9 0.7 1.8 2.8 3.4 4.5 1.8	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 2.0 0.5 5.2 9.0 0.5 5.6 2.0 0.5 5.6 2.0 0.5 5.6 7.7 7.7 6.6 8.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9	-11 -2 -2 -3 -3 -3 -3 -10 -2 -7 -10 -4 -1 -5 -6 -7 -2 -2 -7 -7 -2 -3 -3 -2 -3 -2 -2 -2 -4 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6
SAPPBO DOWN JONES NAME NAME NAME NAME NAME NAME NAME NAME	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,933 86,062 48,192 5,462 110,059 923 3,129 6,230 level 142,2 112,3 70,2 247,5 111,0 64,0 13,7 12,2 14,5 13,2	0.0 0.1 0.9 0.3 0.2 0.5 0.3 0.0 0.1 0.1 0.5 0.5 0.5 0.0 0.1 0.1 0.4 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.3 -1.5 -2.0 -2.7 -0.8 -0.7 -1.5 -0.1 -2.2 -4 -1.5 -0.1 -2.2 -4 -1.5 -0.1 -2.2 -0.8 -1.5 -0.1 -1.5 -0.1 -1.5 -0.1 -1.5 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 7.6 6.9 2.0 0.5 11.5 5.5 2.9 0.8 Monthly 3.6 4.1 0.9 3.4 4.1 0.9 3.4 4.1 0.9 3.4 4.1 0.9 3.4 4.1 0.9 4.1 0.0 4.1 0.0 4.1 0.0 6.1 0.0 6.1 0.0 6.1 0.0 6.1 0.0 6.1 0.0 6.0 0.0 6.0 0.0 6.0 0.0 0.0 0.0 0.0	-11 -2 -2 -3 0 -2 -3 3 110 2 7 7 110 -4 11 -8 7 -6 0 0 -7 -2 -2 -7 110 4 -6 3 3 4 4 3 2 2 3 -2 -2 4 -6 116
SAPPBO Dowl Jones Naket	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,933 86,062 48,192 5,462 43,96 110,059 923 3,1129 6,230 6,230 1,247 54,2 247,5 111,0 64,0 13,7 12,2 14,5 3,2 45,9	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3 -0.1 0.1 0.1 0.1 0.5 -0.5 -0.5 -0.5 -0.1 0.1 0.1 0.1 0.1 1.0 0.6 -0.5 -0.5 -0.5 -0.5 -0.5 -0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	1.3 -1.5 -2.0 -2.7 -0.8 -0.7 -1.5 -0.1 -2.2 -1.5 -0.1 -2.2 -1.5 -0.1 -2.2 -1.5 -0.1 -1.7 -2.0 -0.9 -0.7 -	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.6 7.7 7.7 7.6 6.6 1.9 2.0 3.6 2.0 0.5 1.5 5.5 2.9 0.4 4.1 0.9 3.6 4.1 0.9 4.1 4.1 0.9 4.1 0.9 4.1 0.9 4.1 0.9 4.1 0.9 4.1 0.9 4.1 0.9 4.1 0.9 4.1 0.9 4.1 0.9 4.1 0.9 4.1 0.9 4.1 0.9 4.1 0.9 4.1 0.9 4.1 0.0 4.0 6.0 4.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	-1 -2 -2 -3 -3 -3 -10 -2 -7 -7 -6 -6 -7 -2 -2 +16 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6
SAPPBO DOWN JONES NAME NAME NAME NAME NAME NAME NAME NAME	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,933 86,062 48,192 5,462 2,269 4,396 110,059 4,396 110,059 4,396 110,059 4,396 110,059 111,05 111,0 64,0 13,7 12,2 14,5 111,0 64,0 13,7 12,2 14,5 3,2 45,9 18,2	0.0 0.1 0.9 0.3 0.2 0.5 0.3 0.0 0.1 0.5 0.4 1.0 0.1 0.5 0.4 1.0 1.0 1.1 1.1 1.1 1.2 1.1 1.3 0.5 0.6 0.0 0.1 0.1 0.1 0.1 0.1 0.1 0.1	1.3 1.15 2.0 2.7 2.7 0.8 0.7 1.5 0.1 1.5 0.1 1.5 0.1 1.5 2.2 2.4 1.5 2.5 1.2 2.5 1.2 2.5 0.7 1.2 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2	3.2 3.8 3.1 7.2 6.3 5.1 7.7 7.7 7.7 7.7 7.7 7.7 7.7 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	-1 -2 -2 -3 -3 -3 -3 -10 -4 -1 -1 -8 -7 -6 -6 -0 -7 -2 -2 -2 -2 -4 -6 -6 -6 -6 -6 -6 -2 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5
SAPPBO DOWN JONES NAISE	2.4425 2.228 3.507	0.0 0.1 0.9 0.3 0.2 0.5 0.3 0.0 0.1 0.1 0.5 0.5 0.5 0.6 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.3 1.15 2.0 2.7 2.0 0.8 0.7 1.5 0.1 1.5 0.1 1.5 0.1 1.5 0.1 1.5 0.2 2.4 1.5 1.2 2.0 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7	3.2 3.8 3.1 7.2 6.3 5.1 7.7 7.7 7.7 7.7 7.7 7.7 7.7 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	-1 -2 -2 -3 -3 -3 -3 -10 -2 -7 -1 -10 -4 -6 -3 -3 -2 -2 -4 -6 -6 -6 -6 -6 -6 -6 -2 -7 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
SAPPBO Dowl Jones Nation Natio	2.4425 2.228 3.129 3.129 3.129 3.129 3.129 3.122 3.122 3.122 3.122 3.122 3.122 3.122 3.122 3.122 3.129	0.0 -0.1 0.9 0.3 -0.5 -0.3 -0.1 0.1 0.1 0.1 0.5 -0.5 -0.5 -0.6 -1.7 -0.8 -0.6 -1.7 -1.7 -1.1 -1.2 -1.1 -1.3 -0.5 -0.3 -0.5 -0.5 -1.0 -1.1 -	1.3 1.5 2.7 0.8 0.7 1.5 0.1 1.5 0.1 1.5 0.1 1.5 0.1 1.5 0.1 1.5 0.8 2.0 0.7 2.2 2.4 1.5 1.2 2.2 2.4 1.5 0.7 2.5 1.0 0.7 2.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	3.2 3.8 3.1 7.2 3.6 6.3 5.5 6.7 7.7 6.6 1.9 2.0 3.6 1.9 2.0 3.6 1.9 3.6 4.1 3.6 9.3 4.1 9.3 6.9 8.3 6.9 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3	-1 -2 -2 -3 -3 -3 -10 -2 -3 -3 -10 -2 -7 -10 -4 -4 -6 -3 -3 -2 -2 -4 -6 -16 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -7 -7 -1 -6 -7 -7 -1 -6 -7 -7 -1 -6 -7 -7 -1 -6 -7 -7 -1 -6 -7 -7 -1 -6 -7 -7 -1 -6 -7 -7 -1 -6 -7 -7 -1 -6 -7 -7 -1 -6 -7 -7 -1 -6 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7
SAPPBO Down Jones Naket	24425 22278 4291 4292 4292 4292 4292 4292 4292 4292	0.0 0.1 0.9 0.3 0.0 0.5 0.5 0.5 0.5 0.6 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	1.3 1.5 1.0 2.7 0.8 0.7 0.4 1.5 0.1 1.5 0.1 1.5 0.1 1.5 0.1 1.5 1.5 1.7 2.2 2.4 1.5 1.7 2.5 2.0 0.7 1.5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	3.8 8.1 7.2 6.3 5.1 7.7 6.6 1.9 2.0 0.5 5.6 7.7 6.6 1.9 2.0 0.5 5.5 5.6 6.7 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	-1 -2 -2 -3 -3 -3 -3 -10 -2 -7 -10 -4 -4 -6 -3 -3 -2 -2 -2 -4 -6 -16 -6 -2 -7 -1 -1 -6 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4
SAPPBO Dowl Jones Nation Natio	2.4425 7.421	0.0 0.1 0.9 0.3 0.0 0.1 0.3 0.0 0.1 0.1 0.5 0.5 0.5 0.5 0.5 0.4 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.3 1.5 2.0 2.7 2.7 2.7 2.5 2.0 2.9 2.4 1.5 1.2 2.0 2.9 2.4 1.5 1.2 2.0 2.9 2.1 1.5 1.2 2.0 2.9 2.1 2.0 2.9 2.1 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 2.0 2.0 0.5 1.5 5.5 5.5 6.7 7.7 6.6 2.0 0.5 1.5 5.5 6.7 7.7 6.6 2.0 0.5 1.5 5.5 6.7 7.7 6.6 2.0 0.5 1.5 5.5 6.7 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	-1 -2 -2 -3 -3 -3 -10 -2 -3 -3 -10 -2 -7 -10 -4 -4 -6 -3 -3 -2 -2 -4 -6 -16 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -2 -7 -1 -6 -7 -7 -1 -6 -7 -7 -1 -6 -7 -7 -1 -6 -7 -7 -1 -6 -7 -7 -1 -6 -7 -7 -1 -6 -7 -7 -1 -6 -7 -7 -1 -6 -7 -7 -1 -6 -7 -7 -1 -6 -7 -7 -1 -6 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7
SAPPBO Down Jones Notes	2.4425 2.228 3.507 9.873 3.507 9.873 3.507 9.873 3.507 9.873 3.507 9.873 3.507 9.873 3.507 9.873 3.507 9.873 3.507 9.873 3.507 9.873 3.507 9.873 3.507 9.873 3.507 9.873 3.507 9.873 3.507 9.507	0.0 0.1 0.3 0.2 0.5 0.3 0.0 0.1 0.1 0.1 0.5 0.4 1.0 0.6 0.0 1.7 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.13 1.15 1.15 1.15 1.15 1.15 1.15 1.15	3.2 3.8 8.1 7.2 6.3 5.5 6.7 7.7 6.6 2.0 2.0 0.5 1.5 5.6 2.0 0.5 1.5 5.6 2.0 0.5 1.5 5.6 2.0 0.5 1.5 5.6 2.0 0.5 1.5 5.6 2.0 0.5 1.5 5.6 2.0 0.5 1.5 5.6 2.0 0.5 1.5 5.6 2.0 0.5 1.5 5.6 6.7 1.5 6.6 6.9 1.5 6.9 1.5 6.9 1.5 6.9 1.5 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	-1 -2 -2 -3 -3 -3 -3 -10 -2 -7 -10 -4 -1 -1 -6 -0 -7 -2 -2 -7 -7 -2 -4 -6 -16 -6 -2 -7 -1 -6 -2 -4 -1 -7 -2 -4 -1 -7 -2 -4 -1 -7 -2 -4 -1 -7 -2 -4 -1 -7 -2 -4 -1 -7 -2 -4 -1 -7 -2 -4 -1 -7 -7 -2 -4 -1 -7 -7 -2 -4 -1 -7 -7 -2 -4 -1 -7 -7 -2 -4 -1 -7 -7 -2 -4 -1 -7 -7 -2 -4 -1 -7 -7 -2 -4 -1 -7 -7 -2 -4 -1 -7 -7 -2 -4 -1 -7 -7 -2 -4 -1 -7 -7 -2 -4 -1 -7 -7 -2 -4 -1 -7 -7 -2 -4 -1 -7 -7 -2 -4 -4 -4 -4 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7
SAPPBO Down Jones Naket	2.4425 7.421 7.421 7.421 7.421 7.431	0.0 0.1 0.3 0.2 0.5 0.3 0.0 0.1 0.1 0.5 0.4 1.0 0.5 0.4 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.3 1.5 2.7 0.8 1.5 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	3.2 3.8 8.1 7.2 5.1 5.5 6.7 7.7 6.6 6.2 2.0 2.0 0.5 1.5 5.6 6.7 7.7 6.6 2.0 0.5 1.5 1.9 2.0 0.5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	-1 -2 -2 -3 -3 -3 -10 -2 -7 -1 -6 -6 -3 -4 -4 -3 -2 -2 -2 -4 -4 -1 -7 -7 -1 -6 -2 -4 -4 -1 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7
SAPPBO Down Jones Nation Natio	2.4425 7.421	0.01 0.91 0.93 0.02 0.53 0.00 0.1 0.1 0.1 0.5 0.6 0.6 0.6 0.6 0.7 1.7 0.7 1.2 0.7 1.2 0.7 1.3 0.9 0.0 1.1 1.4 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	113 2.7 0.8 0.7 1.9 1.5 1.2 2.4 1.5 1.2 2.4 1.5 1.2 2.4 1.5 1.2 2.4 1.5 1.2 2.4 1.5 1.2 2.4 1.5 1.2 2.4 1.5 1.2 2.5 1.	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7	-1 -2 -2 -3 -3 -3 -3 -3 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
SAPPBO Down Jones Naket	24.425 7.421 3.507 3.633 6.606 24.015 8.606 24.015 8.606 24.015 8.606 24.015 8.606 24.015 8.706 2.208 8.706	0.0 0.1 0.3 0.2 0.5 0.3 0.0 0.1 0.1 0.5 0.4 1.0 0.5 0.4 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.3 1.5 1.5 2.0 2.7 0.8 4.1 1.5 1.5 1.2 2.4 1.5 1.2 2.4 1.5 1.2 2.4 1.5 1.2 2.4 1.5 1.2 2.4 1.5 1.2 2.4 1.5 1.2 2.5 1.2 2.4 1.5 1.2 2.5 1.2 2.5 1.2 2.5 1.2 2.5 1.2 2.5 1.2 2.5 1.2 2.5 1.2 2.5 1.2 2.5 1.2 2.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	3.8 8.1 7.2 6.3 5.5 6.7 7.7 6.6 7.7 6.6 2.0 2.0 0.4 3.6 0.4 4.9 3.6 4.9 3.4 4.1 4.3 7.7 8.3 8.3 8.1 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3	-1 -2 -2 -2 -3 -3 -3 -10 -2 -2 -3 -3 -3 -10 -2 -7 -7 -10 -4 -4 -5 -3 -4 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5
SAPPBO Down Jones Naket	2.4425 7.421 3.507 3.633 6.606 2.4015 8.606 2.4015 8.606 2.4015 8.606 2.4015 8.702 8.702 8.702 8.702 8.702 8.702 8.702 8.702 8.702 8.702 8.702 8.702 8.702 8.702 8.702 8.702 8.703 8.703 8.702 8.702 8.703 8	0.01 0.9 0.3 0.2 0.5 0.3 0.0 0.0 0.1 0.1 0.1 0.5 0.4 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	1.3. 1.5 2.0 2.7 0.8 0.7 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	3.2 3.8 8.1 1.7.2 6.3 3.8 8.1 1.5.5 1.5.1 1.5.5 1.5.1 1.5.5 1.7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7	-1 -2 -2 -2 -3 -3 -3 -10 -2 -7 -7 -2 -2 -2 -4 -1 -5 -2 -2 -4 -1 -7 -7 -2 -2 -4 -1 -3 -9 -9
SAPPBO	2.4425 2.2288 2.4218 2.	0.01 0.91 0.93 0.22 0.30 0.30 0.30 0.30 0.30 0.30 0.3	11,3 1,5 1,5 1,5 1,5 1,5 1,5 1,5 1,5 1,5 1,5	3.2 3.8 8.1 7.2 6.3 3.6 8.1 7.2 6.5 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7	-1 -2 -2 -3 -3 -3 -10 -2 -7 -7 -2 -2 -11 -6 -6 -2 -2 -4 -1 -7 -7 -2 -4 -1 -3 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9
SAPPBO DOWN JONES NAME NAME NAME NAME NAME NAME NAME NAME	2.44.25	0.01 0.91 0.93 0.22 0.05 0.33 0.02 0.01 0.11 0.15 0.55 0.55 0.34 0.10 0.11 0.20 0.11 1.41 1.41 1.41 1.41 1.41 1.41 1.4	1.35 2.0 2.7 2.8 3.0 7 -0.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 7.7 7.6 6.6 1.9 0.5 2.0 0.5 5.1 1.9 0.5 1.9 0.8 4.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1	-1 -2 -2 -3 -3 -3 -10 -2 -7 -7 -2 -2 -2 -4 -1 -1 -5 -2 -2 -4 -1 -7 -2 -2 -4 -1 -7 -2 -2 -1 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3
SAPPBO Dowl Jones Notes	2.4.425	0.01 0.91 0.93 0.22 0.30 0.30 0.30 0.30 0.30 0.30 0.3	11,3 1,5 2,7 2,5 2,7 1,9 1,15 1,5 1,5 1,5 1,5 1,5 1,5 1,5 1,5 1,	3.2 3.8 8.1 7.2 6.3 3.6 8.1 7.2 6.5 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7	-1 -2 -2 -3 -3 -3 -10 -2 -7 -7 -2 -2 -11 -6 -6 -2 -2 -4 -1 -7 -7 -2 -4 -1 -3 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9
SAPPBO DOWN JONES NAME NAME NAME NAME NAME NAME NAME NAME	2.4425 2.278	0.01 0.9 0.3 0.2 0.5 0.3 0.0 0.5 0.3 0.0 0.1 0.1 0.1 0.5 0.5 0.3 0.0 0.1 1.0 0.5 0.5 0.6 0.7 0.1 0.1 0.1 0.1 0.8 0.8 0.9 0.9 0.1 0.1 0.1 0.1 0.1 0.1 0.8 0.8 0.8 0.9 0.9 0.1 0.1 0.1 0.1 0.1 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	11.3 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7	3.2 3.8 8.1 1.2 2.6 3.3 8.8 8.1 1.2 2.6 3.3 8.8 8.1 1.2 2.6 3.3 8.8 8.1 1.2 2.6 3.3 6.7 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6	-1 -2 -2 -2 -3 -3 -3 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
SAPPBO Down Jones Nobel	2.4425 2.278 2.2778 2.307 2.307 2.307 2.307 2.308 2.30	0.01 0.9 0.3 0.2 0.5 0.3 0.0 0.0 0.1 0.1 0.1 0.1 0.5 0.5 0.3 0.6 0.1 0.1 0.1 0.1 0.5 0.5 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	11.3 2.7 2.7 0.8 7 0.7 1.9 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	3.2 3.8 8.1 1.2 2.6 3.3 8.8 1.1 5.5 5.1 5.5 1.1 5.5 5.1 5.5 1.1 5.5 5.1 5.5 1.1 5.5 5.1 5.1	-1 -2 -2 -3 -3 -3 -1 -1 -1 -6 -2 -7 -7 -7 -1 -6 -2 -4 -1 -7 -7 -2 -1 -1 -3 -3 -1 -7 -7 -1 -1 -3 -3 -1 -7 -7 -1 -6 -2 -4 -1 -7 -7 -2 -1 -1 -7 -7 -2 -1 -1 -7 -7 -2 -1 -1 -7 -7 -2 -1 -1 -7 -7 -7 -2 -1 -1 -7 -7 -2 -1 -1 -7 -7 -2 -1 -1 -7 -7 -2 -1 -1 -7 -7 -7 -2 -1 -1 -7 -7 -2 -1 -1 -7 -7 -2 -1 -1 -7 -7 -7 -2 -1 -1 -7 -7 -2 -1 -1 -7 -7 -7 -1 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7
SAPPBO Dowl Jones Notes	2.4425 2.278 3.607	0.01 0.9 0.3 0.2 0.5 0.3 0.0 0.1 0.5 0.3 0.0 0.1 0.1 0.1 0.1 0.5 0.4 0.6 0.6 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	11.3 1.5 2.7 2.7 2.8 2.0 2.5 1.2 2.2 2.4 1.5 1.5 1.2 2.2 2.4 1.5 1.5 1.2 2.2 2.4 1.5 1.5 1.2 2.2 2.4 1.5 1.5 1.2 2.2 2.4 1.5 1.2 2.2 2.4 1.5 1.5 1.2 2.5 1.2 2.0 2.5 1.2 2.0 2.5 1.2 2.0 2.5 1.2 2.0 2.5 1.2 2.0 2.5 1.2 2.0 2.5 1.2 2.0 2.5 1.2 2.0 2.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	3.2 3.8 8.1 7.2 6.3 5.5 7.7 7.6 6.9 2.0 2.0 2.0 2.0 2.0 2.0 3.6 4.9 2.0 3.6 4.9 2.0 3.6 4.9 2.0 3.6 4.9 2.0 3.6 4.9 3.6 5.6 5.6 6.9 3.6 6.9 3.6 6.9 3.6 6.9 3.6 6.9 3.6 6.9 3.6 6.9 3.6 6.9 4.9 4.3 4.3 4.3 4.3 4.3 4.3 4.3 4.3	-1 -2 -2 -3 -3 -3 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
SAPPBO DOWN JONES NAME NAME NAME NAME NAME NAME NAME NAME	2.4425 2.278 2.277 2.207	0.01 0.91 0.93 0.22 0.53 0.33 0.25 0.30 0.30 0.10 0.11 0.55 0.44 0.66 0.70 0.11 0.41 1.41 1.41 1.41 1.41 1.41 1.4	11.3 2.0 2.7 0.4 1.5 2.7 0.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	3.2 3.8 8.1 7.2 6.3 7.2 6.6 7.7 6.6 7.7 6.6 9.2 9.2 9.2 9.3 9.4 9.4 9.4 9.4 9.5 9.5 9.6 9.6 9.6 9.6 9.6 9.6 9.6 9.6	-1 -2 -2 -3 -3 -3 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
SEPBOO	2.4425 2.2783 2.2773 2.507 2.2783 2.2	0.01 0.91 0.93 0.22 0.30 0.05 0.30 0.01 0.10 0.10 0.10 0.10 0.10 0.10	11.3 2.0 2.7 0.4 1.5 2.7 0.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	3.2 3.8 8.1 7.2 6.3 5.5 5.7 7.7 6.6 2.0 2.0 2.0 2.0 3.6 4.9 0.3 4.1 0.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6	-1 -2 -2 -3 -3 -3 -1 -1 -1 -6 -6 -6 -7 -7 -2 -2 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9
SAPPBO DOWN Jones NASCE	2.4425 2.2778 2.2778 2.2778 2.2778 2.2778 2.2778 2.2778 2.2778 2.2782 2.2789 2.	0.01 0.91 0.3 0.2 0.3 0.3 0.3 0.5 0.3 0.3 0.5 0.3 0.3 0.3 0.5 0.5 0.4 0.1 0.1 0.5 0.5 0.4 0.1 0.5 0.6 0.6 0.6 0.7 0.8 0.7 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	113 1.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	3.2 3.8 8.1 1.7.2 6.6 9.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	-1 -2 -2 -2 -3 -3 -3 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
SAPPBO DOWN Jones NASCE	2.44.25 2.278 3.607 3.60	0.01 0.91 0.93 0.20 0.30 0.30 0.30 0.30 0.30 0.30 0.3	11.3 1.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	3.2 3.8 8.1 3.8 8.1 3.8 8.1 3.8 8.1 3.8 8.1 3.8 8.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3	-1 -2 -2 -3 -3 -3 -3 -3 -1 -1 -1 -5 -4 -4 -6 -1 -5 -5 -4 -4 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5
SAPPBO	2.44.25 2.279.3 2.079.3 2.079.3 2.0	0.01 0.91 0.93 0.20 0.30 0.30 0.30 0.30 0.30 0.30 0.3	11.3 1.5 2.0 2.5 2.0 2.5 2.4 1.5 1.5 2.0 2.5 2.4 1.5 1.5 1.5 2.0 2.5 2.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	3.2 3.8 8.1 7.2 6.3 7.2 6.5 6.7 7.7 6.6 7.7 7.6 6.6 9.2 9.0 9.3 4.1 9.3 4.1 9.3 4.1 9.3 4.1 9.3 9.3 9.3 9.3 9.3 9.3 9.3 9.3	-1 -2 -2 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3
SAPPBO DOWN Jones Naket	2.4425 2.278 2.277 2.207	0.01 0.9 0.1 0.9 0.3 0.2 0.3 0.0 0.3 0.0 0.3 0.0 0.1 0.1 0.1 0.5 0.5 0.1 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	11.3 1.5 2.0 0.8 0.6 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	3.2 3.8 8.1 3.9 8.1 3.9 8.1 3.7 7.7 7.7 3.1 3.9 8.1 3.7 7.7 7.7 3.1 3.9 8.1 3.7 7.7 7.7 7.1 5.5 8.1 3.9 9.1 3.1 3.9 9.1 3.1 3.9 9.1 3.1 3.9 9.1 3.1 3.9 9.1 3.1 3.9 9.1 3.1 3.9 9.1 3.1 3.9 9.1 3.1 3.9 9.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3	-1 -2 -2 -2 -3 -3 -3 -3 -3 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
SAPPBO DOWN JONES NAME NAME NAME NAME NAME NAME NAME NAME	2.44.25 2.279.3 2.079.3 2.079.3 2.0	0.01 0.9 0.3 0.3 0.0 0.3 0.0 0.3 0.0 0.3 0.0 0.3 0.0 0.1 0.1 0.1 0.1 0.5 0.5 0.5 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	11.3 1.5 2.0 2.5 2.0 2.5 2.4 1.5 1.5 2.0 2.5 2.4 1.5 1.5 1.5 2.0 2.5 2.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	3.2 3.8 8.1 7.2 6.3 7.2 6.5 6.7 7.7 6.6 7.7 6.6 9.2 9.0 9.3 4.1 9.3 4.1 9.3 4.1 9.3 4.1 9.3 9.3 9.3 9.3 9.3 9.3 9.3 9.3	-1 -2 -2 -3 -3 -3 -3 -3 -1 -1 -5 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3
SEPSIO DOWN JONES SEPSIO DOWN	2.4425 2.278 2.277 2.207	0.01 0.91 0.92 0.95 0.93 0.90 0.90 0.90 0.90 0.90 0.90 0.90	11.3 1.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	3.8 8.1 7.2 6.2 6.7 7.7 6.6 6.7 7.7 7.7 6.6 6.9 2.9 2.0 0.5 2.0 0.5 2.0 0.5 2.0 0.5 2.0 0.5 2.0 0.5 2.0 0.5 2.0 0.5 2.0 2.0 0.5 2.0 0.5 2.0 0.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	-1 -2 -2 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3
SAPPBO DOWN JONES NAME NAME NAME NAME NAME NAME NAME NAME	2.4425 2.278 3.277 3.207	0.01 0.91 0.92 0.95 0.93 0.93 0.93 0.93 0.93 0.94 0.95 0.95 0.94 0.96 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97	1-1.3 1-1.5 2-0.7 2-0.8 0.7 0.8 0.7 0.4 1-1.5 0.8 0.7 1-1.5 0.8 0.7 1-1.5 0.8 0.7 1-1.5 0.8 0.7 1-1.5 0.8 0.9 0.8 0.8 0.7 1-1.5 0.9 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	3.8 8.1 3.8 8.1 5.3 6.2 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3	-1 -2 -2 -2 -3 -3 -3 -3 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
SAPPBO DOWN JONES NAME NAME NAME NAME NAME NAME NAME NAME	2.4425 2.2778 2.2778 2.2778 2.2778 2.2778 2.2778 2.2778 2.278 2.2789 2.2	0.01 0.09 0.01 0.09 0.03 0.00 0.01 0.01 0.01 0.05 0.05 0.04 0.10 0.05 0.04 0.10 0.05 0.04 0.10 0.05 0.05 0.05 0.05 0.05 0.05 0.06 0.07 0.07 0.07 0.08 0.08 0.09 0.09 0.09 0.09 0.09 0.09	11.3 1.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	3.8 8.1 3.8 8.1 3.8 8.1 3.8 8.1 3.8 8.1 3.8 8.1 3.8 8.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3	-1 -2 -2 -2 -3 -3 -3 -3 -1 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3
SAPPBO DOWN JONES NAME NAME NAME NAME NAME NAME NAME NAME	2.4425 2.278 2.277 2.207	0.01 0.91 0.03 0.03 0.03 0.03 0.04 0.10 0.05 0.5 0.5 0.64 0.10 0.10 0.10 0.11 0.11 0.11 0.33 0.30 0.90 0.10 0.10 0.10 0.10 0.10 0.10 0.1	11.3 1.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	3.8 8.1 3.8 8.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	-1 -2 -2 -2 -3 -3 -3 -1 -1 -1 -5 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4
SAPPBO DOWN Jones Naket	2.44.25 2.278 3.507 3.50	0.01 0.01 0.09 0.02 0.05 0.03 0.01 0.01 0.01 0.05 0.05 0.04 0.01 0.05 0.05 0.06 0.07 0.07 0.07 0.08 0.08 0.08 0.09 0.09 0.09 0.09 0.09	11.3 1.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	3.8 8.1 3.8 8.1 3.8 8.1 3.8 8.1 3.8 6.2 6.3 6.3 6.3 6.5 6.7 6.6 6.6 6.9 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9	-1 -2 -2 -2 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3
SAPPBOO DOWN JONES NAME NAME NAME NAME NAME NAME NAME NAME	2.44.25 2.278 3.277 3.27	0.01 0.01 0.02 0.05 0.03 0.00 0.1 0.01 0.05 0.5 0.5 0.5 0.5 0.1 1.0 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 0.7 0.7 0.7	11.3 1.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	3.8 8.1 3.8 8.1 5.1 5.5 5.7 6.6 6.6 1.9 2.0 2.0 2.0 2.0 2.0 3.6 4.9 4.9 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1	-1 -2 -2 -2 -3 -3 -3 -3 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1



Fuente: BBVA Research



D ebt markets	(10Y. %. ch	anges in I	op)		
US (2-yr)	2.49 2.99	Daily 1.1	9.3	Month 23	S7
GER (2-yr)	-0.55	1.1 0.1	15.8 3.2	17	52 6
Germany France	0.63	0.4	12.5	11 9	17
Spain Italy	1.30	-1.2 -2.6	8.0 1.0	-11	-39 -42
Portugal Greece	1.68	-1.3 -4.6	6.6	-4 -39	-33 -12
Japan (2-yr)	-0.13 0.06	-0.9	1.4 3.4	-39 2 1	-12 0
Japan Emerging Markets	level	1.3 Daily	Weekly	Monthly	YTD
Brazil Chile	9.91 4.38	0.1	10.1 0.3	40 -12	-34 -13
Colombia Mexico	6.47 7.53	3.2	7.7 15.5	-26 5	-5
Peru	4.90	6.7	12.3	36	2
Poland Russia	3.10 7.36	0.4 -5.0	-10.0	-16 25	-22 -27
Turkey India	12.31 7.69	6.0 -4.7	-36.0 20.4	-3 14	95 31
Indonesia Country ri	6.95	5.4 es in bp)	33.0	4	65
Developed Markets	level	es n op) Daily	Weekly	Monthly	YTD
10-yr sovereign spread vs Germany France	22	0.5	-0.7	-2	
Italy	114	-2.2 -0.9	-11.5	-21	-51
Portugal Spain	105 67	-0.9 -0.8	-5.9 -4.5	-14	-42 -41
2-yr sovereign spread vs Germany	8			-5	-8
France Italy	25	-0.2 -0.3	-1.2 -1.3	-8	-12
Portugal Spain	40 23	-0.7 -0.9	0.6 -2.0	-25 -6	-28 -4
Emerging Markets	level	Daily	Weekly	Monthly	YTD
5-yr sovereign CDS * Brazil	166	-3.1	-2	0	6
Chile	47	-1.6	0	-7	-2
Colombia Mexico	99 106	-2.7 -4.0	1 3	-11 -8	-6 -1
Peru Poland	71 48	-1.9 -0.7	-1 0	-15 -4	-1 0
Russia	135	-0.6	-11	15	17
Turkey China	195 59	-0.5 -0.2	-10 -1	-7	30 8
India Indonesia	73	-0.1	-2	-2 -6	4
Ri	98 sk indicators		1	-6	13
Volatilty indicators (change in pp) VIX	level 16	Daily 0.0	Weekly	Monthly -9	YTD
VSTOXX	13	0.1	0	-8	7
EM EFT volatility Index Dollar/euro volatility	19 7	-0.4 0.0	- 1	-11 0	2
EM FX volatility index	8	0.2	0	1	0
Credit spread (BAA) (change in bps) US bonds volatility index	175 53	-1.1 0.1	0 4	-12 -3	-2 4
US bonds volatility index Inflation expectations (%) US Inflation expectations (5Y5Y)	level 2.48	Daily	Weekly	Monthly 12	
EZ Inflation expectations (5Y5Y)	2.48 1.70		1	12	16 -4
Banking 5 y CDS (bps) * US	level 54	Daily 0.5	Weekly 0	Monthly -3	YTD 12
EZ	51	-0.2	-4	-8	12
UK Large Spenish	43 44	-0.3 -0.1	-2 1	-9 -10	8
Medium Spanish	69	0.9	3	-3	-6
Corporate 5y CDS (bps) * US Non-financial	level 156	Daily 0.5	Weekly	Monthly -3	YTD 12
EZ Non-financial	66 103	-0.2 0.1	-1 0	-8 -2	12
UK Non-financial Interbank ma	rkets (%, cha	nges in b	p)	-	
EONIA Index	-0.37	Daily	Weekly	Monthly	YTD
Euribor 3m Euribor 12m	-0.33	0	0	0	0
Euribor 12m Libor 3m	-0.19 2.36	0	0	7	67
Libor 12m	2.77	- 1	2	9	66
	ck markets ()				
Main indices					
	2.670	Daily 0.0	Weekly	Monthly 3.2	
S&P500 Dow Jones	2,670 24,425	0.0	-1.3 -1.5	3.2	-1 -2
S&P500 Dow Jones Nikkel FTSE 100	24.425 22.278	0.0	-1.3 -1.5 2.0 2.7	3.2	-4
S&P500 Dow Jones Nikkei FTSE 100 EuroStoxx 50	24,425 22,278 7,421 3,507	0.0 -0.1 0.9 0.3 -0.2	-1.3 -1.5 2.0 2.7 0.8	3.2 3.8 8.1 7.2 6.3	-1 -2 -2 -3 0
S&P500 Dow Jones Nikkel FTSE 100 EuroStoxx 50 IBBX DAX	24.425 22.278 7.421 3,507 9.873 12.536	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3	-1.3 -1.5 2.0 2.7 0.8 0.7 -0.4	3.2 3.8 8.1 7.2 6.3 5.1 5.5	-1 -2 -2 -3 -0 -2 -3
S&P500 Dow Jones Nikisel FTSE 100 EuroStoxx 50 IBEX DAX CAC	24,425 22,278 7,421 3,507 9,873 12,536 5,436	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3	-1.3 -1.5 2.0 2.7 0.8 0.7 -0.4 1.5	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7	-1 -2 -2 -3 0 -2 -3 3
S&P500 Dow Jones Nikleri FTSE 100 EuroStoxx 50 IBEX DAX CAC MIB	24.425 22.278 7.421 3,507 9,873 12.536 5,436 24.015 838	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3 0.0 0.1 -0.1	-1.3 -1.5 2.0 2.7 0.8 0.7 -0.4 1.5 1.5	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6	-1 -2 -2 -3 -0 -2 -3 -3 -10 -2
S&P\$00 Down Jones Nided FT\$£ 100 EuroStoxx 50 IBEX DAX CAC ACAC MSB MSC Latan*	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,933 86,062	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3 0.0 0.1	-1.3 -1.5 2.0 2.7 0.8 0.7 -0.4 1.5 1.5 0.1 2.2 2.4	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7	-1 -2 -2 -3 -0 -2 -3 -3 -10
SAPSOO Down Jones Nikkel FTEST 100 EuroStoux 50 BIBCX DAX CAX ANG MISCA MISCA MISCA BIDONES BOOKERS	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,933 86,062 48,192	0.0 0.1 0.9 0.3 -0.2 -0.5 -0.3 0.0 0.1 -0.1 0.1 0.5 -0.5	-1.3 -1.5 -2.0 -2.7 -0.8 -0.7 -0.4 -1.5 -0.1 -2.2 -2.4 -1.5	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 1.9 2.0 3.6	-1 -2 -2 -3 0 -2 -3 3 10 2 7 10 -4
SAPSOO Dow Jones Nikled FFEE TOO EssedStock, 50 BECX DAX CAC MAR	24.425 22.278 7.421 3.507 9.873 12.536 5.436 24.015 838 91.933 86.062 48.192 5.462 2.269	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3 0.0 0.1 -0.1 0.1 0.5 -0.5 0.4 -1.0	-1.3 -1.5 -2.0 -2.7 -0.8 -0.7 -0.4 -1.5 -1.5 -0.1 -2.2 -2.4 -1.5 -3.1 -1.7	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 1.9 2.0 3.6 -2.0 0.5	-1 -2 -2 -3 0 -2 -3 3 10 -2 7 10 -4 1 -8
SAEPSO Down Jones Nikled FFEE TO Essection BEX A BEX A A BEX A BEX A BEX	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,933 86,062 48,192 5,462 2,269 4,396	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3 0.0 0.1 -0.1 0.5 -0.5 0.4 -1.0 0.1	-1.3 -1.5 -2.0 -2.7 -0.4 -1.5 -1.5 -0.1 -2.2 -2.4 -1.5 -1.7 -2.5	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 1.9 2.0 3.6 -2.0 0.5 -1.5	-1 -2 -2 -3 0 -2 -3 3 10 2 7 10 -4 1 -8 7
SAPPSO Down Jones Nikele FFEE TOD ELEOSONON SO BECX CAC CAC AC A	24.425 22.278 7.421 3,507 9,873 12.536 5,436 24.015 838 91,933 86.062 48,192 5,462 2,269 4,396 110.059 923	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3 0.0 0.1 -0.1 0.5 -0.5 -0.5 -0.4 -1.0 0.1 -0.8 -0.6	-1.3 -1.5 -2.0 -2.7 -0.4 -1.5 -1.5 -0.1 -1.5 -1.5 -1.5 -1.5 -1.7 -2.2 -2.4 -1.5 -3.1 -1.7 -2.5 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 1.9 2.0 3.6 -2.0 0.5 -1.5 -5.6 -2.9	-1 -2 -2 -3 0 -2 -3 3 10 2 7 10 -4 1 8 7 -6 0
SAPSOO DOWN JONES NAME THE TOTO S BEX DAX CAC AC	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,933 86,062 48,192 5,462 2,269 4,396 110,059	0.0 0.1 0.9 0.3 -0.2 -0.5 -0.3 0.0 0.1 -0.1 0.5 -0.5 0.4 -1.0 0.1	-1.3 -1.5 -2.0 -2.7 -0.8 -0.7 -0.4 -1.5 -1.5 -1.5 -1.5 -1.5 -1.7 -2.2 -2.4 -1.5 -3.1 -1.7 -2.5 -1.2	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 1.9 2.0 3.6 -2.0 0.5 -1.5 -5.6	-1 -2 -2 -3 0 -2 -3 3 10 2 7 10 -4 1 1 -8 7
\$45900 Down Jones Nikele THE TOO THE TOO TOO AC CAC AS ASE Allers MSC Latin MS	24.425 22.278 7.421 3.507 9.873 12.536 5.436 24.015 838 91.933 86.062 48.192 5.462 2.269 4.396 110.059 923 3.129 6.230 level	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3 0.0 0.1 0.1 0.5 -0.5 -0.4 -1.0 0.1 -0.8 -0.6 -0.9 -0.5 -0.9 -0.1 -0.1 -0.5 -0.5 -0.1 -0.1 -0.1 -0.5 -0.5 -0.5 -0.1 -0.1 -0.5 -0	-1.3 -1.5 2.0 0.8 0.7 -0.4 1.5 1.5 0.1 2.2 2.4 -1.5 3.1 -1.7 2.5 1.2 -0.8 2.0 0.8	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 1.9 2.0 3.6 -2.0 0.5 -1.5 -5.6 -2.9 -0.8 -0.4	-1 -2 -2 -3 -3 -3 -10 -4 -4 -1 -8 -7 -6 -6 -0 -7 -2 -7 -7 -2 -7 -7 -2 -7 -7 -2 -7 -7 -2 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7
SAPPSO Down Jones Nikele TFSE TOO TFSE TOO DAX CAC CAC MS MSC Latans MSC Lata	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,933 86,062 48,192 5,462 2,269 4,396 110,059 923 3,129 6,230 level	0.0 -0.1 0.9 0.3 -0.2 -0.5 -0.3 0.0 0.1 -0.1 0.5 -0.4 -1.0 0.4 -1.0 0.8 -0.6 2.0 -1.7 -1.0 -1.1 -1.	-1.3 -1.5 -2.0 -0.8 -0.7 -0.4 -1.5 -1.5 -0.1 -1.7 -2.2 -2.4 -1.5 -1.7 -2.5 -1.2 -0.8 -2.0 -0.9 -0.9 -0.9 -0.9 -0.9 -0.9 -0.9 -0	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 1.9 2.0 3.6 -2.0 0.5 -1.5 -5.5 -5.6 -2.9 -0.8 -0.4 Monthly 3.6 4.9	-1 -2 -2 -3 -3 -3 -10 -2 -7 -10 -4 -1 -8 -7 -6 -0 -7 -2 -2 -7 -10 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4
SAPSOO DOWN JONES NAME THE TOO THE TO	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,933 86,062 48,192 5,462 2,269 4,396 110,059 923 3,129 6,230 level 142,2 112,3 70,2	0.0 0.1 0.9 0.3 0.2 0.5 0.3 0.0 0.1 0.1 0.5 0.5 0.4 1.0 0.1 0.8 0.6 0.8 0.9 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	-1.3 -1.5 -2.0 -2.7 -0.8 -0.7 -0.4 -1.5 -1.5 -1.5 -1.5 -1.7 -2.2 -2.4 -1.5 -3.1 -1.7 -2.5 -0.8 -2.0 -0.9 -0.9 -0.9 -0.9 -0.9 -0.9 -0.9 -0	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 1.9 2.0 0.5 -1.5 -2.0 0.5 -1.5 -4.0 Monthly 3.6 4.9 3.4	-1 -2 -2 -3 -3 -10 -2 -7 -10 -4 -1 -6 -0 -7 -2 -2 -7 -2 -4 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6
SAPSOO DOWN JONES NAVEL THE TOTAL TO SAPE NAVEL	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,933 86,062 48,192 5,462 2,269 410,059 923 3,129 6,230 level 142,2 112,3 70,2 30,7	0.0 0.1 0.9 0.3 0.2 0.5 0.3 0.0 0.1 0.1 0.5 0.5 0.5 0.4 1.0 0.1 0.8 2.0 1.7 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	-1.3 -1.5 -2.0 -2.7 -0.4 -1.5 -1.5 -1.7 -2.2 -2.4 -1.5 -1.7 -2.5 -1.2 -0.8 -2.0 -0.9 -0.7 -0.7 -0.7 -0.3 -0.7 -0.3 -0.7 -0.8 -0.7 -0.8 -0.7 -0.8 -0.9 -0.8 -0.9 -0.8 -0.9 -0.8 -0.9 -0.9 -0.9 -0.9 -0.9 -0.9 -0.9 -0.9	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 1.9 2.0 0.5 5.6 -2.0 0.5 -5.6 -2.0 0.5 -4.0	-1 -2 -2 -3 -3 -3 -3 -3 -10 -2 -7 -10 -4 -4 -6 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9
\$40000 Down Jones Nikele TFE TOD CRESSON 50 CAC CAC ASS ASS ASSESS ASS (ASSESS ASS (ASSESS ASS (ASSESS MACH TO ASSESS MACH TO ASS	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,933 86,062 48,192 5,482 2,269 110,059 923 3,129 6,230 level 142,2 112,3 30,7 54,2 247,5 111,0	0.0 0.1 0.9 0.3 -0.2 0.5 0.3 0.0 0.1 0.1 0.1 0.5 -0.5 0.4 1.0 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	-1.3 -1.5 -2.0 -2.7 -0.4 -1.5 -0.1 -2.2 -2.4 -1.5 -1.2 -0.8 -2.0 -0.9 -0.9 -0.9 -0.9 -0.9 -0.9 -0.9 -0	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 1.9 2.0 0.5 -1.5 -5.6 -2.9 -0.8 -0.4 Monthly 3.6 4.9 3.4 5.3 4.1 0.9 6.9	-1 -2 -2 -3 -3 -3 -3 -3 -10 -2 -7 -10 -4 -4 -6 -6 -3 -4 -3 -3 -2 -2 -10 -4 -3 -3 -2 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10
SAPPSO DOWN JONES NAME NAME OF THE TOP OF TH	24,425 22,278 7,421 3,507 7,421 3,507 12,536 5,436 24,015 838 91,933 86,062 4,396 110,059 923 3,129 6,230 level 142,2 112,3 70,2 247,5 111,0 64,0	0.0 0.1 0.9 0.3 -0.2 -0.5 -0.3 0.0 0.1 0.1 0.5 0.5 -0.1 0.1 0.5 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	-1.3 -1.5 -2.0 -2.7 -0.8 -0.7 -0.4 -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 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 6.7 7.7 6.6 2.0 0.5 1.5 5.6 2.9 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	-1 -2 -2 -3 -3 -3 -3 -10 -0 -4 -4 -6 -6 -3 -4 -3 -3 -3 -3 -3 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10
SAPPSO DOWN JONES NAME THE TOTAL THE	24,425 22,278 7,421 3,507 9,873 12,536 24,015 838 91,933 86,062 48,192 5,462 2,269 4,396 610,059 923 3,129 6,230 level 142,2 247,5 111,0 64,0 13,7	0.0 0.1 0.9 0.3 0.2 0.5 0.3 0.0 0.1 0.1 0.5 0.5 0.5 0.5 0.4 1.0 0.1 0.4 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.3 1.5 2.0 2.7 0.8 0.7 0.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	3.2 3.8 8.1 7.2 6.3 5.1 5.5 5.5 6.7 7.7 7.7 2.0 0.5 1.5 5.5 1.5 5.5 1.5 5.5 1.5 1.5 1.5 1	-1 -2 -2 -3 -3 -3 -3 -10 -2 -7 -7 -2 -2 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9
SAEPSO DOWN JONES NINES	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,933 86,062 2,269 4,396 610,059 923 3,129 6,230 1evel 142,2 112,3 70,2 370,2 247,5 111,0 64,0 13,7 12,2 14,5	0.0 0.1 0.9 0.3 0.2 0.5 0.3 0.0 0.1 0.1 0.5 0.4 1.0 0.5 0.4 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.3 1.5 2.0 2.7 0.8 0.7 0.4 1.5 1.5 1.5 1.5 1.5 2.2 2.4 4.1.5 3.1 1.7 2.5 0.8 2.0 0.7 1.9 0.7 1.9 0.7 1.9 0.7 1.9 0.7 1.9 0.7 1.9 0.7 1.9 0.7 1.9 0.7 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 1.9 2.0 0.5 5.6 2.0 0.5 5.6 2.0 0.5 5.6 2.0 0.5 5.6 2.0 0.3 6.3 6.3 6.3 6.4 1.9 1.9 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	-1 -2 -2 -3 -3 -3 -3 -3 -10 -2 -7 -7 -2 -2 -7 -7 -2 -2 -2 -4 -6 -6 -3 -2 -2 -2 -4 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6
SAPPSO DOWN JONES NAME NAME NAME NAME NAME NAME NAME NAME	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,933 86,062 48,192 48,192 48,192 2,269 4,396 110,059 923 3,129 6,230 level 142,2 247,5 111,0 64,0 13,7 12,2 14,5 3,2 45,9	0.0 0.1 0.9 0.3 0.2 0.5 0.3 0.0 0.1 0.1 0.5 0.4 1.0 0.1 0.1 0.1 0.1 0.1 0.1 0.1	1.3 1.5 2.0 2.7 0.8 0.7 0.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.2 2.4 1.5 2.4 1.7 2.5 0.8 0.7 2.5 0.7 2.5 0.7 2.0 0.7 2.0 0.7 2.0 0.7 2.0 0.7 2.0 0.7 2.0 0.7 2.0 0.7 2.0 0.7 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 7.7 7.7 7.7 7.8 6.6 1.9 0.5 1.5 2.0 0.5 1.5 2.0 0.5 1.5 2.0 0.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	-1 -2 -2 -3 -3 -3 -3 -3 -10 -2 -7 -10 -4 -4 -4 -3 -3 -2 -2 -4 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6
SAPSOO Down Jones Noted STS ET STO STS ET STO STS ET STO STO STO STS STO STO STO STO STO STO	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,933 86,062 48,192 5,462 2,269 9,23 3,129 6,230 level 110,059 9,23 3,129 142,2 112,3 70,2 247,5 111,0 64,0 13,7 12,2 45,9 18,2	0.0 0.1 0.9 0.3 0.2 0.5 0.3 0.0 0.1 0.1 0.5 0.4 1.0 0.1 0.5 0.4 1.0 1.0 1.0 1.1 1.1 1.1 1.2 1.1 1.3 0.5 0.0 0.1 1.0 1.0 1.0 1.0 1.0 1.0	1.3 1.5 2.0 2.7 2.7 2.1 1.5 2.0 2.7 2.7 2.1 2.2 2.4 1.5 2.2 2.4 1.5 2.5 1.2 2.5 1.2 2.5 1.2 2.5 1.2 2.5 1.2 2.5 1.2 2.5 1.2 2.5 1.2 2.0 2.0 2.3 1.8 3.0 2.7 3.1 3.1 3.2 2.4 2.8 3.0 2.7 3.1 2.2 2.3 3.4 2.2 3.4 2.2 3.4 2.3 3.4 2.3 3.4 2.3 3.5 2.7 3.1 3.2 2.7 3.1 3.2 2.7 3.1 3.2 2.7 3.1 3.2 2.7 3.1 3.2 2.7 3.1 3.2 2.7 3.1 3.2 2.7 3.1 3.2 2.7 3.1 3.2 2.7 3.1 3.2 2.7 3.1 3.2 2.7 3.1 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 7.7 7.7 7.6 6.6 1.9 0.3 6.6 2.9 0.4 0.4 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 -3 -3 -3 -10 -2 -2 -3 -3 -10 -2 -7 -7 -2 -2 -4 -6 -6 -5 -2 -2 -4 -6 -6 -6 -5 -2 -2 -4 -6 -6 -6 -2 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5
SAPSOO Down Jones Nibed	24,425 22,278 7,421 3,507 9,873 12,536 5,436 24,015 838 91,933 86,062 48,192 5,462 2,269 4,396 4,396 110,059 923 3,129 6,230 level 142,2 111,0 13,7 542,5 111,0 64,0 13,7 12,2 145 3,2 45,9 18,2 90,6 18,2	0.0 0.1 0.9 0.3 0.5 0.3 0.0 0.1 0.1 0.1 0.1 0.5 0.5 0.5 0.6 2.0 0.6 2.0 1.1 1.0 1.2 1.1 1.4 1.1 1.4 1.1 1.4 1.4 1.4	1.3 1.5 2.0 2.7 0.8 0.7 1.5 0.1 1.5 0.1 2.2 4.1.5 2.4 1.5 1.2 2.4 1.5 1.2 2.5 1.2 2.0 0.7 1.5 1.2 2.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 1.9 3.6 0.4 1.5 5.5 5.6 7.7 7.7 6.9 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9	-1 -2 -2 -3 -3 -3 -3 -3 -10 -2 -7 -7 -2 -2 -2 -4 -6 -6 -3 -4 -3 -2 -2 -2 -2 -2 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6
SAPPSO DOWN JONES NINES	24,425 22,278 7,421 3,507 9,873 12,536 5,436 5,436 5,436 5,436 5,436 6,409 5,401 5,401 5,402 5,4	0.0 0.1 0.9 0.3 0.0 0.0 0.1 0.5 0.5 0.5 0.5 0.1 1.0 0.5 0.5 0.1 1.2 1.1 1.4 1.1 1.4 1.1 1.4 1.1 1.4 1.1 1.4 1.7 0.3 0.5 0.2 0.1 0.3 0.9 0.2 0.1 0.3 0.9 0.2 0.1 0.3 0.9 0.3 0.2 0.1 0.7 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	1.3 2.0 2.7 0.8 0.7 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.1 1.5 1.2 2.4 1.1 1.5 1.2 2.0 0.8 2.0 0.7 1.9 1.2 2.0 2.1 1.5 1.2 2.0 2.8 2.0 2.7 1.9 1.5 1.2 2.0 2.7 1.9 1.5 1.2 2.0 2.7 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	-1 -2 -2 -3 -3 -3 -3 -2 -2 -2 -4 -6 -6 -6 -6 -6 -5 -2 -7 -1 -6 -6 -6 -5 -2 -7 -1 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6
SAPPSO DOWN JONES NAME THE TOTAL THE	24475 7421 7421 7421 7431 7431 7431 7431 7431 7431 7431 743	0.0 0.1 0.3 0.0 0.1 0.1 0.1 0.1 0.5 0.5 0.5 0.1 0.1 0.1 0.1 0.5 0.5 0.5 0.1 0.0 0.1 0.1 0.1 0.1 0.3 0.0 0.0 0.1 0.1 0.1 0.5 0.5 0.5 0.5 0.1 0.7 0.1 0.3 0.9 0.3 0.2 0.1 0.7 0.1 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	1.3 2.0 2.7 0.8 0.7 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.1 1.5 1.2 2.4 1.1 1.5 1.2 2.0 0.8 2.0 0.7 1.9 0.7 1.9 1.2 2.0 2.3 1.3 1.3 1.3 1.3 1.3 1.5 1.2 2.8 2.4 1.5 1.8 2.6 2.7 1.9 1.5 1.8 2.6 1.8 2.7 1.8 1.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2	3.2 3.8 8.1 7.2 6.3 5.1 5.5 6.7 7.7 6.6 6.2 2.0 0.5 1.5 5.6 6.7 7.7 6.6 2.0 0.5 1.5 1.5 6.7 7.7 6.6 2.0 0.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	-1 -2 -2 -3 -3 -3 -3 -2 -2 -2 -4 -6 -6 -6 -6 -2 -7 -1 -1 -6 -6 -2 -4 -4 -6 -2 -2 -4 -4 -6 -6 -2 -2 -4 -6 -6 -2 -2 -4 -6 -6 -2 -2 -4 -6 -6 -2 -2 -4 -4 -6 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4
SAPPSO DOWN JONES NINES	24425 7.421 3.507 9.873	0.01 0.91 0.93 0.02 0.53 0.03 0.00 0.1 0.1 0.1 0.5 0.4 1.0 0.5 0.4 1.0 1.2 1.1 1.4 1.1 1.4 1.1 1.4 1.1 1.4 1.1 1.4 1.1 1.4 1.1 1.4 1.4	1.33 2.0 2.7 2.7 2.8 2.7 2.7 2.7 2.7 2.7 2.7 2.1 2.2 2.4 1.5 1.5 1.5 2.2 2.4 1.5 2.2 2.4 2.7 2.5 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7	3.2 3.8 8.1 7.2 6.3 5.5 6.7 7.7 7.7 7.6 6.6 6.2 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	-1 22 -2 -3 3 0 0 -2 2 3 3 3 100 2 7 7 100 4 4 1 1 8 8 7 7 6 6 0 7 7 -2 2 YID 0 4 6 6 3 4 4 -3 3 2 2 4 6 6 16 6 16 6 16 6 16 6 2 2 7 1 1 6 6 2 4 4 1 1 6 6 2 2 4 4 1 1 6 6 2 2 4 4 1 1 6 6 2 2 4 4 1 1 6 6 2 2 6 7 1 1 6 6 2 2 6 7 1 1 6 6 7 2 6 7 1 1 6 6 7 2 7 1 1 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
SAPPSO DOWN JONES NINES	24445 7.421 7.421 7.421 7.421 7.421 7.431	0.01 0.91 0.93 0.02 0.53 0.03 0.00 0.1 0.1 0.1 0.5 0.4 1.0 0.5 0.4 1.0 1.0 1.2 0.1 1.2 1.1 1.4 1.1 1.4 1.1 1.4 1.1 1.4 1.1 1.4 1.1 1.4 1.4	1.33 2.0 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.1 2.2 2.4 1.5 1.5 1.5 2.2 2.4 1.5 2.2 2.4 1.5 2.2 2.4 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	3.2 (3.3 (3.4 (3.4 (3.4 (3.4 (3.4 (3.4 (3.4	-1 22 -2 3 3 0 0 -2 2 3 3 10 0 2 7 7 10 0 4 1 1 8 8 7 7 6 6 0 0 7 -2 2 1 1 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
SAPSOO Down Jones Niked	24445 7427 7421 7421 7421 7421 7421 7421 7421	0.0 0.1 0.3 0.0 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	1.33 2.0 0.7 0.8 1.5 2.7 0.8 0.7 0.7 0.1 1.5 1.5 1.5 0.1 1.5 1.5 1.5 1.5 2.4 1.1,7 2.5 2.4 2.4 1.1,17 2.5 2.0 0.0 0.7 0.1 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7	3.2 (6.3 a.8 8.1 f.2 c.6 a.8 8.1 f.2 c.6 a.9 a.9 b.2 c.6 a.9	-1 22 3 3 0 0 2 2 3 3 3 10 0 2 2 7 7 10 4 4 1 1 8 7 4 6 6 0 10 6 6 6 16 6 6 6 16 6 2 2 7 -1 1 6 6 2 2 7 -1 1 6 6 2 2 7 -1 1 6 6 2 2 7 -1 1 6 6 6 6 1 6 6 7 2 7 -1 1 6 6 7 2 7 -1 1 6 6 7 2 7 -1 1 6 6 7 2 7 -1 1 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
SAPSOO Down Jones Nibbed Nibed Nibbed Nibbed Nibbed Nibbed Nibbed Nibbed Nibbed Nibbed Nibbed	244/55 7421 7357 7421 7357 7421 7421 7421 7437 7437 7437 7437 7437 7437 7437 743	0.01 0.9 0.1 0.9 0.3 0.2 0.5 0.3 0.0 0.1 0.1 0.1 0.5 0.4 0.6 0.6 0.6 0.1 1.2 0.1 1.4 1.4 1.1 1.4 0.3 0.9 0.0 0.1 1.2 0.1 1.4 0.3 0.9 0.1 0.1 0.1 0.5 0.6 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	1.3 2.7 0.8 0.7 1.5 1.2 2.4 1.1.5 1.2 2.4 1.1.5 1.2 2.4 1.1.5 1.2 2.4 1.1.5 1.2 2.4 1.1.5 1.2 2.4 1.5 1.2 2.5	3.2 3.8 8.1 7.2 6.3 8.1 5.5 6.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7	-1 22 3 3 0 2 2 3 3 3 10 12 2 7 7 10 4 1 1 8 7 7 -6 0 0 7 7 -7 2 2 YTD 0 4 4 6 6 16 6 16 6 2 2 -7 1 6 6 6 2 2 4 4 -1 1 7 7 2 1 1 3 9
SAPSOO Down Jones Nibbed Nibed Nibbed Nibbed Nibbed Nibbed Nibbed Nibbed Nibbed Nibbed Nibbed	24445 22278 74217	0.01 0.9 0.3 0.2 0.5 0.3 0.0 0.5 0.3 0.0 0.1 0.1 0.5 0.4 0.6 0.6 0.7 0.7 0.7 0.8 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	1.13 2.0 2.7 0.8 0.7 0.1 1.5 1.5 0.7 0.8 0.7 0.1 1.5 1.5 1.5 1.2 2.4 1.1 1.7 2.2 2.4 1.5 1.2 2.0 0.7 0.7 1.9 0.7 1.9 0.7 1.9 0.7 1.9 0.7 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	3.2 3.8 8.1 7.2 6.3 5.5 5.5 6.7 7.7 7.7 7.6 6.6 1.9 0.5 5.6 1.9 0.5 5.6 1.9 0.5 5.6 1.9 0.5 5.6 1.9 0.8 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	-1 22 23 30 02 23 33 31 10 27 71 10 44 46 66 32 43 22 24 46 66 16 66 16 62 77 77 71 11 66 77 77 77 77 77 77 77 77 77 77 77 77
SAPSOO Down Jones Niked	24445 22278 7427 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.01 0.9 0.3 0.2 0.5 0.3 0.0 0.1 0.1 0.1 0.5 0.4 0.8 0.6 0.1 0.1 0.5 0.4 0.8 0.6 0.1 0.1 0.5 0.4 0.6 0.6 0.7 0.7 0.1 0.7 0.7 0.1 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	1.3 2.0 2.7 0.8 1.5 1.5 1.2 2.4 1.1.5 1.2 2.4 1.1.5 1.2 2.4 1.1.5 1.2 2.4 1.1.5 1.2 2.4 1.1.5 1.2 2.4 1.1.5 1.2 2.4 1.1.5 1.2 2.5 1.2	3.2 3.8 8.1 7.2 6.3 5.5 5.5 6.7 7.7 7.7 7.6 6.6 1.9 0.5 5.6 1.9 0.5 5.6 1.9 0.5 5.6 1.9 0.5 5.6 1.9 0.8 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	-11 -2 -2 -2 -3 -3 -3 -1 -1 -1 -3 -3 -3 -2 -2 -4 -4 -1 -1 -7 -7 -1 -1 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5
SAPSOO Down Jones Nibbed Nibed Nibbed Nibbed Nibbed Nibbed Nibbed Nibbed Nibbed Nibbed Nibbed	24425 22278 24752	0.01 0.91 0.93 0.02 0.05 0.03 0.05 0.03 0.01 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.	1.13 2.0 2.7 0.8 0.7 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	3.2 3.8 8.1 7.2 6.3 8.1 1.5 5.5 6.6 7.7 7.7 7.6 6.9 9.3 4.4 1.2 9.5 7.8 8.1 4.3 9.3 6.9 9.3 4.1 4.3 9.3 6.9 9.3 4.1 4.3 9.3 6.9 9.3 4.1 4.3 9.3 6.9 9.3 4.1 4.3 9.3 6.9 9.3 6.0 9.3 6.0 9.3 6.0 9.3 6.0 9.3 6.0 9.3 6.0 9.3 6.0 9.3 6.	-11 -12 -2 -2 -2 -3 -3 -3 -10 -2 -7 -7 -10 -0 -4 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6
SAPSBO Down Jones Noted	24425 22,278 7,427 7,427 7,427 7,427 12,548 888 888 888 888 888 888 888 888 888	0.01 0.9 0.3 0.2 0.5 0.3 0.0 0.5 0.3 0.0 0.1 0.1 0.1 0.1 0.5 0.5 0.5 0.3 0.1 0.1 0.1 0.5 0.5 0.5 0.6 0.1 0.1 0.1 0.5 0.5 0.6 0.6 0.7 0.1 0.1 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	1.13 2.0 2.7 0.8 0.7 0.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	3.2 3.8 8.1 1.7.2 6.3 3.8 8.1 1.7.2 6.3 3.8 8.1 1.7.2 6.3 1.5 5.5 5.1 5.5 5.5 6.8 1.5 5.5 5.6 6.8 8.3 7.7 8.8 8.3 7.6 6.8 8.3 9.9 9.9 9.9 9.9 9.9 9.9 9.9 9.9 9.9 9	-11 -2 -2 -2 -3 -3 -3 -3 -3 -1 -1 -3 -3 -2 -2 -4 -1 -7 -7 -2 -1 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3
SAPSOO Down Jones Nikel	24425 22,278 7,2471 7,2471 12,5436 12,5436 12,5436 12,5436 12,5436 12,5436 12,5436 12,5436 12,5436 12,5436 12,5436 12,5436 110,059 13,123 13,1	0.01 0.91 0.93 0.02 0.05 0.03 0.05 0.03 0.01 0.11 0.11 0.15 0.05 0.05 0.01 0.11 0.1	1.13 2.0 2.7 0.8 0.7 0.7 0.8 0.7 0.7 0.8 0.7 0.7 0.8 0.7 0.7 0.9 0.9 0.7 0.9 0.9 0.7 0.9 0.9 0.7 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	3.2 3.8 8.1 1.7.2 6.3 8.1 1.5 5.5 5.6 6.8 8.1 1.5 5.5 5.6 6.8 8.2 3.7 7.8 6.8 8.3 7.7 8.8 8.3 7.7 8.8 8.3 7.7 8.8 8.3 7.7 8.8 8.3 8.3 7.7 8.8 8.3 8.3 7.7 8.8 8.3 8.3 8.3 7.7 8.8 8.3 8.3 8.3 7.7 8.8 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3	-1 -1 -2 -2 -2 -3 -3 -3 -3 -3 -1 -1 -3 -3 -1 -1 -3 -3 -3 -1 -1 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3
SAPSOO Down Jones Noted	24425 22,278 23,277 247 247 25,278 25,278 26,278 26,278 27	0.01 0.91 0.93 0.02 0.05 0.03 0.05 0.03 0.01 0.11 0.15 0.05 0.07 0.17 0.17 0.18 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19	1.13 2.0 2.7 0.8 0.7 0.7 0.8 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.7 2.5 2.4 1.5 3.1 1.7 2.5 2.6 0.8 2.8 3.4 3.6 2.8 3.4 3.6 2.8 3.6 3.6 2.8 3.6 3.6 2.8 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	3.2 (6.3 3.8 8.1 1 5.5 5.1 5.5 5.5 5.5 5.2 6.9 3.4 4.1 1.0.9 8.1 1.5 5.5 5.6 6.9 5.6 6.9 5.6 6.9 5.6 6.9 5.6 6.9 5.7 7.7 7.7 7.6 6.9 8.1 1.5 5.5 5.5 5.3 3.9 8.1 3.9 3.4 4.2 4.2 4.2 4.2 4.2 4.3 3.7 7.7 7.5 5.5 6.8 8.2 7.7 7.7 7.7 7.7 7.7 7.8 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8	-11 -2 -2 -3 -3 -3 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
SAPSOO DOWN JONES NAME NAME OF SAPEN OF	244455 724278 73487 7348	0.01 0.9 0.3 0.2 0.3 0.2 0.3 0.3 0.2 0.3 0.5 0.3 0.0 0.1 0.1 0.5 0.4 0.8 0.6 0.1 0.1 1.0 0.5 0.4 1.0 0.1 1.0 0.5 0.4 1.0 0.1 1.0 0.5 0.4 1.0 0.1 1.0 0.5 0.4 1.0 0.1 1.0 0.5 0.4 1.0 0.5 0.4 1.0 0.5 0.5 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	-1.3 -1.5 -2.0 -2.7 -0.8 -0.4 -1.5 -0.1 -1.5 -0.1 -1.5	3.2 (3.2 (3.2 (3.2 (3.2 (3.2 (3.2 (3.2 (-11 -2 -2 -2 -3 -3 -3 -1 -10 -6 -6 -1 -10 -10 -10 -1 -10 -10 -1 -10 -10 -1
SAPSOO DOWN JONES NOW JONE	24425 2 283 4 59 9 6 6 6 6 1 17 2 2 2 8 3 9 9 4 1 1 2 9 0 6 6 6 1 1 7 1 2 9 0 6 6 6 1 1 7 1 2 9 0 6 7 1 2 9 0 7 1 2 9 0 6 7 1 2 9 0 7 1 2 9 0 7 1 2 9 0 7 1 2 9 0 7 1 2 9 0 7	0.01 0.9 0.3 0.2 0.5 0.3 0.2 0.5 0.3 0.0 0.1 0.5 0.6 0.1 0.5 0.6 0.1 0.5 0.6 0.1 0.5 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	1.13 2.0 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7	3.2, 3.8, 8.1, 7.2, 6.6, 7.2, 6.6, 7.7, 7.6, 6.6, 7.7, 7.7, 7.6, 7.7, 7.7	-1 -1 -2 -2 -3 -3 -3 -1 -1 -1 -3 -3 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
SAPPSO DOWN JONES NINES	24425 22,278 2,347	0.01 0.9 0.3 0.2 0.3 0.2 0.3 0.3 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.1 0.1 0.1 0.5 0.5 0.4 0.6 0.6 0.7 0.1 1.4 0.3 0.8 0.9 0.9 0.1 0.9 0.1 1.8 0.3 0.9 0.1 0.8 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	1.13 2.0 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7	3.2 3.8 8.1 3.8 8.1 3.8 8.1 3.8 8.1 3.8 8.1 3.8 8.1 3.8 8.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3	-1 -1 -2 -2 -2 -3 -3 -3 -1 -1 -6 -2 -2 -1 -1 -5 -2 -2 -1 -1 -6 -2 -2 -1 -1 -5 -2 -1 -1 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5
SAPSOO Down Jones Niked	24425 22.278 7.2471 7.2	0.01 0.9 0.3 0.2 0.3 0.0 0.5 0.5 0.0 0.1 0.1 0.1 0.5 0.4 0.1 0.5 0.5 0.4 0.1 0.5 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	1-1.3 1.5 2.0 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7	3.2 3.8 8.1 3.8 8.1 3.8 8.1 3.8 8.1 3.8 8.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -
SAPSOO DOWN JONES NAME NAME OF THE SAME OF	24445	0.01 0.9 0.3 0.2 0.3 0.0 0.5 0.5 0.0 0.1 0.1 0.1 0.5 0.4 0.5 0.4 0.5 0.6 0.7 0.8 0.7 0.8 0.7 0.8 0.8 0.9 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	1-13 2-0 2-0 2-0 2-0 2-0 2-0 2-0 2-0 2-0 2-0	3.2 3.8 8.1 3.8 8.1 3.8 8.1 3.8 8.1 3.8 8.1 3.8 8.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -
SAPSOO DOWN JONES NAME OF THE SAPE OF THE	24.425 2.278	0.01 0.9 0.3 0.2 0.3 0.2 0.3 0.3 0.2 0.3 0.3 0.1 0.1 0.5 0.4 0.1 0.5 0.4 0.1 0.5 0.4 0.1 0.5 0.4 0.6 0.6 0.7 0.1 0.7 0.1 0.7 0.1 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	1.1.3 2.0.7 2.0.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2	3.2 (6.2) (7	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -
SAPSOO Down Jones Niked	24425 22.278 7.2471 7.2	0.01 0.03 0.03 0.03 0.03 0.03 0.03 0.03	1-1.3 2-0.0	3.2 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8	-1 -2 -2 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3
SAPPSOO DOWN JONES NINES	244425 74272	0.01 0.03 0.03 0.03 0.03 0.03 0.03 0.03	1-13 2-0 2-0 2-7 2-7 2-7 2-7 2-7 2-7 2-7 2-7 2-7 2-7	3.2 (6.2) (7	-1 -1 -2 -2 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3
SAPSOO DOWN JONES INDIVIDUAL STATES INDIVIDUAL S	24445 2 2278 3 2478 4 2475 4 2	0.01 0.03 0.03 0.03 0.03 0.03 0.03 0.04 1.00 0.55 0.54 1.11 1.11 1.13 0.55 0.20 0.11 1.21 1.14 1.15 0.25 0.26 0.31 0.30 0.30 0.30 0.30 0.30 0.30 0.30	1.13 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.0	3.2 (3.3 (3.4 (3.4 (3.4 (3.4 (3.4 (3.4 (3.4	-1 -2 -2 -3 -3 -3 -3 -3 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
SAPSOO Down Jones Niked	24425 22.278 7.2871 7.2871 7.2872 7.2	0.01 0.03 0.03 0.03 0.03 0.03 0.03 0.03	1.1.3 1.1.5 2.0.7 2.0.7 2.0.8 0.7 0.7 1.5 0.8 0.7 1.5 0.8 0.7 1.5 0.8 0.8 0.7 1.5 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	3.2 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8	-1 -2 -2 -3 -3 -3 -3 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
SAPPSOO DOWN JONES NINES	24425 22,278 23,277 247 247 257 257 257 257 257 257 257 257 257 25	0.01 0.01 0.02 0.03 0.03 0.01 0.03 0.01 0.05 0.05 0.05 0.06 0.07 0.07 0.07 0.07 0.07 0.07 0.07	1.1.3 1.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1	3.2 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -
SAPPSOO DOWN JONES NINEE	24445 2 2278 2 2788 2 2	0.01 0.03 0.03 0.03 0.01 0.11 0.11 0.15 0.5 0.5 0.6 0.10 0.10 0.10 0.11 0.11 0.11 0.15 0.5 0.5 0.5 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	1.1.3 1.5 2.0.7 2.0.8 0.7 0.4 1.5 0.8 0.7 1.5 0.8 0.7 1.5 0.8 0.8 0.7 1.5 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	3.2 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8	-1 -1 -2 -2 -3 -3 -3 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
SAPPSOO DOWN JONES NINEE	24425 22,278 23,278 24015 2401	0.01 0.01 0.02 0.03 0.00 0.01 0.01 0.01 0.01 0.01 0.01	1.1.3 2.0.2 2.0.2 2.0.3 2.0.4 1.5 2.0.2 2.0.3 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1	3.2 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -
SAPPSO DOWN JONES NINES	24425 22,278 2,347	0.01 0.01 0.03 0.02 0.05 0.05 0.06 0.07 0.01 0.11 0.4 0.08 0.06 0.07 0.10 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.	1.1.3 1.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1	3.2 (8.1) (8	-1 -1 -2 -2 -3 -3 -3 -3 -1 -1 -1 -3 -1 -1 -1 -1 -3 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1



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