

Market Comment | Calm markets at the start of a busy week in the US

Global Financial Markets Unit 10 Jul 2017

- Equity volatility diminished as investors started the week with a slightly higher risk appetite. The focus
 in the financial markets this upcoming week will be on the US, specifically on Yellen's testimony, the
 release of inflation data for June and the start of the Q2 earnings season this week.
- Euro zone bond yields diminished from multi-month highs across the board, especially in peripheral
 countries. This movement was accompanied by positive reports on German exports, which grew by
 more than expected (see). Stock prices inched up across the board, curbing last week's apathetic
 mood thanks to, among other things, the positive US jobs report released on Friday, which increased the
 appetite for risk.
- Oil prices went higher on reports that Libya and Nigeria may attend a meeting between OPEC and non-OPEC nations to seek ways to cap rising production (see). EM currencies appreciated after the news.
 Meanwhile, DM currencies remained stable.

Update 18 CET 10 July, 2017 Table 1



Debt markets	(10Y, %, ct	anges in t	op)		
Developed Markets US (2-γr) US	1.38 2.37	-2.0 -2.0	-3.1 1.6	Month 6 18	17 -7
GER (2-vr)	-0.61	-1.0	-2.0	13	17
Germany France	0.54	-3.3 -3.0	6.4 8.2	28 26	26 10
Spain Italy	1.67 2.28	-6.1 -6.3	14.5 14.5	20 10	16 41
Portugal	3.13	-3.4	11.7	10	-105
Greece Japan (2-yr)	5.38 -0.10	-5.6 0.7 0.8	-1.9 2.3 2.5	-69 1	-150 9
Japan Emerging Markets	0.09	0.8 Daily	2.5 Weekly	3 Monthly	3 YTD
Brazil	10.52	-7.5 0.4	4.0 7.6	-35 17	-90 -10
Chile Colombia	4.22 6.73	-2.8	30.4	56	-37
Mexico Peru	6.78 5.68	-4.8 0.7	-7.6 22.7	-32 25	-86 -79
Poland Russia	3.33 7.94	-4.4 -3.4	4.1 3.2	12	-39 -50
Turkey	10.51	-9.0	18.0	29	-49
India Indonesia	6.47 7.16	-5.8 -1.2	-9.0 27.8	-6 22	9 -69
Country ris	sk (bp, chang	es in bp)			
Developed Markets 10-yr sovereign spread vs Germany	level	Daily	Weekly	Monthly	YTD
France	37 174	0.3 -3.0	1.8	-2 -18	-16 15
Italy Portugal	259	-0.1	8.1 5.3	-18 -18	-103
Spain 2-yr sovereign spread vs Germany	113	-2.8	8.1	-9	-3
France	24	-0.9	0.8	3	14
Italy Portugal	49 69	-1.2 -3.1	3.0	-1 -22	-13 -78
Spain	41	-0.9	-3.2 8.5	-4	-7
Emerging Markets 5-yr sovereign CDS *	level	Daily	Weekly	Monthly	YTD
Brazil	238	-3.6	0	- 1	-34
Chile Colombia	67 141	-0.8 -1.1	6	-1 14	-15 -22
Mexico	114	-1.6	2	3	-42
Peru Venezuela	87 4.317	-1.4 21.4	1 67	-2 101	-21 412
Poland	61	0.0	0	-1	-14
Russia Turkey	177 205	-0.1 1.3	9 12	24 10	-67
China	73 91	1.1	3	-1	-44 -36
India Indonesia	123	0.8 2.3	1 6	-2 4	-36 -33
Ris	k indicator				
Volatilty indicators (%) VIX	level 11	Daily -2.0	Weekly -2	Monthly 8	YTD -1
VSTOXX	15	-2.6	2	5	-2
EM EFT volatility Index Dollar/euro volatility	16 6	-5.7 -5.1	0 -4	-3	-21 -38
EM FX volatility index Credit spread (BAA) (bps)	8 210	0.1 2.0	2	0 -15	-28
US bonds volatility index	210 56	-2.1	1	-15 4	-17 -27
Banking 5 y CDS (bps) *	level		Weekly	Monthly	YTD
US EZ	52 59	-0.4 1.5	0	-8 -22	-20 -49
UK Large Spanish	50	0.5	9	-17	-40 -55
Medium Spanish	62 99	2.6 0.8	-1	-20 -22	-53
Corporate 5y CDS (bps) * US Non-financial	level 144	Daily	Weekly	Monthly	YTD
EZ Non-financial	82	-0.4 1.5	2	-8 -22	-20 -49
UK Non-financial Interbank ma	115 rkets (% ch	1.1 inges in b	1	-4	-9
	level	Daily	Weekly	Monthly	YTD
EONIA Index Euribor 3 m	-0.36 -0.33	0.00	0.0	0.0	0.0
Euribor 12m	-0.16	0.01	0.0	0.0	-0.1
Libor 3m Libor 12m	1.31	0.00	0.0	0.1	0.3
EZ TED spread 3m	47.8	0.10	1.8	3.4	-18.6
	k markets (
		Daily			
			0.0		7
S&P500 Dow Jones	2,429 21,431	0.2	0.0 -0.2	0	7
S&P500 Dow Jones Nikkei	2,429 21,431 20,081	0.2 0.1 0.8	0.0 -0.2 0.1	0 1 1	7 2
S&P500 Dow Jones Nikkei FTSE 100 EuroStoxx 50	2,429 21,431 20,081 7,370 3,478	0.2 0.1 0.8 0.3 0.4	0.0 -0.2 0.1 -0.1 -0.4	0 1 1 -1 -2	7 2 3 5
S&P500 Dow Jones	2,429 21,431 20,081	0.2 0.1 0.8 0.3	0.0 -0.2 0.1 -0.1	0 1 1 -1	7 2 3 5
S&P50 Dow Jones Nikided FTSE 100 EuroStoxx 50 IBEX DAX CAC	2,429 21,431 20,081 7,370 3,478 10,510 12,446 5,166	0.2 0.1 0.8 0.3 0.4 0.2 0.5	0.0 -0.2 0.1 -0.1 -0.4 -0.9 -0.2 -0.6	0 1 1 -1 -2 -4 -2 -2	7 2 3 5 11 7
S&P500 Dow Jones Nikieri FTSE 100 EEMOSTOXX 50 BBX DAX CAC MIB MBB ASSE Athens	2,429 21,431 20,081 7,370 3,478 10,510 12,446 5,166 21,191 844	0.2 0.1 0.8 0.3 0.4 0.2 0.5 0.4 0.8	0.0 -0.2 0.1 -0.1 -0.4 -0.9 -0.2 -0.6 0.8	0 1 1 -1 -2 -4 -2	7 2 3 5 11 7 5 8
S&P\$00 Dow Jones Nikidel ET\$	2,429 21,431 20,081 7,370 3,478 10,510 12,446 5,166 21,191 844 75,951	0.2 0.1 0.8 0.3 0.4 0.2 0.5 0.4 0.8 0.8 -0.1	0.0 -0.2 0.1 -0.1 -0.4 -0.9 -0.2 -0.6 0.8 2.0 -0.2	0 1 1 -1 -2 -4 -2 -2 1 8 0	7 2 3 5 11 7 5 8 28 4
SAPPBO Down Jones Nikket FFES 100 EuroStoux 50 BIEX DAX ACK MAIN MIN MSCI Latam* Blovenspa Ginzill Mochol	2,429 21,431 20,081 7,370 3,478 10,510 12,446 5,166 21,191 844 75,951 62,812	0.2 0.1 0.8 0.3 0.4 0.2 0.5 0.4 0.8 0.8 -0.1 0.8	0.0 -0.2 0.1 -0.1 -0.4 -0.9 -0.6 0.8 2.0 -0.2 -0.7 0.8	0 1 1 -1 -2 -4 -2 -2 1 8 0 0 3	7 2 3 5 11 7 5 8 28 4 2 8
SAPPOD DOWN JONES NISKE FIFSE TOO EBUTSTON EBUTSTON CAC AC MIB ACK APPON MSC LALLEM* INDOWERS (BRIZE) MACH AND MACH APPON MACH AND MACH AND MACH APPON MACH APPON MACH APPON MACH AND MACH APPON MACH AP	2,429 21,431 20,081 7,370 3,478 10,510 12,446 5,166 21,191 844 75,951 62,812 50,521 4,853	0.2 0.1 0.8 0.3 0.4 0.2 0.5 0.4 0.8 0.8 -0.1 0.8 0.9 -0.5	0.0 -0.2 0.1 -0.1 -0.4 -0.9 -0.2 -0.6 0.8 2.0 -0.2 -0.7 0.8 0.6	0 1 1 -1 -2 -4 -2 -2 1 8 0	7 2 3 5 11 7 5 8 28 4 2 8
SAPPDO Down Jones Nikled TFSE TIOD EardShoux 50 BEX MARK AND BEX BEX BEX BEX BEX BEX BEX BEX	2,429 21,431 20,081 7,370 3,478 10,510 12,446 5,166 21,191 844 75,951 62,812 50,521 4,853 2,301 1,926	0.2 0.1 0.8 0.3 0.4 0.2 0.5 0.4 0.8 0.8 -0.1 0.8 0.9 -0.5	0.0 -0.2 0.1 -0.4 -0.9 -0.6 0.8 2.0 -0.2 -0.7 0.8 2.0 -0.2 -0.7 0.8	0 1 1 -1 -2 -4 -2 -2 -2 1 8 0 0 3 1 -2 3	7 2 3 5 11 7 5 8 28 4 2 8 -4 15 -15
SAPPBO Down Jones Nöter Nöter TSE 100 DO	2,429 21,431 20,081 7,370 3,478 10,510 12,446 5,166 21,191 844 75,951 62,812 4,853 2,301 1,926 101,097	0.2 0.1 0.8 0.3 0.4 0.2 0.5 0.4 0.8 0.8 -0.1 0.8 0.9 -0.5 0.7 1.0	0.0 -0.2 0.1 -0.4 -0.9 -0.2 -0.6 0.8 2.0 -0.2 -0.7 0.8 0.6 -1.0 1.2 0.6	0 1 1 -1 -2 -4 -2 -2 1 8 0 0 3 1 1 -2 3 3	7 2 3 5 11 7 5 8 28 4 2 8 -4 15 -15 33
SAPPBO DOWN JONES NINEE THE TOO TO SEE HIGH TO SEE HIG	2,429 21,431 20,081 7,370 3,478 10,510 12,446 5,166 21,191 844 75,951 62,812 50,521 4,853 2,301 1,926 101,097 84 101,097	0.2 0.1 0.8 0.3 0.4 0.2 0.5 0.4 0.8 0.9 -0.5 0.2 0.7 1.0 -0.5 -0.2	0.0 -0.2 0.1 -0.4 -0.9 -0.2 -0.6 -0.2 -0.7 0.8 2.0 -0.2 -0.7 0.6 -1.0 -1.0 -1.0 -0.5 -0.5	0 1 1 -1 -2 -4 -2 -2 1 8 0 0 3 1 -2 3 3 0 2	7 2 3 5 11 7 5 8 28 4 2 8 -4 15 -15 33 18 2
SAEPBO Down Jones Nikled FFSE TIO ELBOSON SO BIES BIEX AND SO BIEX AND SO BIEX AND SO BIEX AND SO BIEX BIEX BIEX BIEX BIEX BIEX BIEX BIEX	2,429 21,431 20,081 7,370 3,478 10,510 12,446 5,166 21,191 844 75,951 62,812 50,521 4,853 2,301 1,926 101,097 818 3,213 5,772	0.2 0.1 0.8 0.3 0.4 0.2 0.5 0.4 0.8 0.8 -0.1 0.8 0.9 -0.5 0.2 0.7 1.0 -0.5 -0.2 -0.5	0.0 -0.2 0.1 -0.4 -0.9 -0.2 -0.6 -0.2 -0.7 0.8 2.0 -0.2 -0.7 0.6 -1.0 1.2 0.6 -0.5 -0.5 -1.0	0 1 1 -1 -2 -4 -2 -2 1 8 0 0 0 3 1 -2 3 3 0 2	7 2 3 5 11 7 5 8 28 4 2 8 -4 15 -15 33 18 2
SAPPBO Down Jones Niked	2,429 21,431 20,081 7,370 3,478 10,510 12,446 5,166 21,191 844 75,951 62,812 50,521 4,853 2,301 1,926 101,097 818 3,213 5,772 level	0.2 0.1 0.8 0.4 0.2 0.5 0.4 0.8 0.8 -0.1 0.8 0.9 -0.5 0.2 0.7 1.0 -0.5 -0.2 -1.3 -0.1 -0.5 -0.2 -0.5 -0.2 -0.5 -0.2 -0.5 -0.2 -0.5 -0.2 -0.5 -0.2 -0.5 -0.2 -0.5 -0	0.0 -0.2 -0.6 -0.8 -0.0 -0.2 -0.6 -0.8 -0.0 -0.2 -0.7 -0.8 -1.0 -0.5 -1.0 -0.5 -1.0 -0.5 -1.0 -0.5 -1.0 -0.5 -1.0 -0.5 -1.0 -0.5 -1.0 -0.5 -1.0 -0.5 -1.0 -0.5	0 1 1 -1 -2 -4 -2 -2 1 8 0 0 3 1 -2 3 0 2 1 -2 3 0 0 0 1 -2 -4 -4 -6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 2 3 5 111 7 5 8 28 4 2 8 -4 15 -15 33 18 2 9 YTD 4
SAPPBO DOWN JONES NINEE THE TOO THE TOO TO THE TOO THE	2,429 21,431 20,081 7,370 3,478 10,510 12,446 5,166 21,191 844 75,951 62,812 50,521 4,853 2,301 1,926 101,097 818 3,213 5,772	0.2 0.1 0.8 0.3 0.4 0.2 0.5 0.4 0.8 0.9 -0.5 0.2 0.7 1.0 -0.5 -0.2 0.7 1.0 -0.5 -0.2 -0.5 -0.2 -0.5 -0.2 -0.5 -0.2 -0.5 -0.3 -0.	0.0 -0.2 -0.1 -0.4 -0.9 -0.6 -0.8 2.0 -0.7 0.8 0.6 -1.0 -0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0 1 1 -1 -2 -4 -2 -2 1 8 0 0 3 1 1 -2 3 3 1 -2 3 1 -2 1 -2 1 -2 1 -2	7 2 3 5 11 7 5 8 28 4 2 8 -4 15 -15 33 18 2 9
SAPPBO Down Jones Nikiek TFSE TION EardShoux 50 BEACH MAN MAN MAN MASC Latam Bovepas Rinaria B	2.429 21.431 20.081 7.370 3.478 10.510 12.446 5.156 21.191 844 75,951 62,812 50,521 4,853 2.301 1.926 101.097 818 3.213 5.772 level 124.6 93.3 67.6 24.8	0.2 0.1 0.8 0.3 0.4 0.2 0.5 0.4 0.8 0.9 0.9 0.5 0.2 0.7 1.0 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.6 0.6 0.7 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.0 -0.2 -0.1 -0.1 -0.4 -0.9 -0.2 -0.6 -0.8 -0.7 -0.8 -0.6 -1.0 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0	0 1 1 -1 -2 -4 -2 -2 -2 1 8 0 0 3 1 -2 3 3 0 2 1 1 Monthly 6 10 7 8	7 2 3 5 11 7 7 5 8 28 4 2 2 8 4 15 5 18 2 9 YTD 4 7 7 10 8
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SAPPBO DOWN JONES NINEE THE TOO SO BEX SO BE	2,429 21,431 20,081 7,370 3,478 10,510 12,446 5,166 21,191 844 75,951 62,812 50,521 4,853 2,301 1,926 101,097 818 3,213 5,772 level 124,6 93,3 46,0 225,7 24,8	0.2 0.1 0.8 0.3 0.4 0.2 0.5 0.4 0.8 0.8 0.9 0.5 0.7 1.0 0.2 0.7 1.0 0.2 0.7 1.0 0.2 0.5 0.4 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 -0.2 -0.1 -0.4 -0.9 -0.6 -0.8 -0.0 -0.2 -0.7 -0.8 -0.0 -0.2 -0.7 -0.8 -1.0 -0.6 -1.0 -0.5 -1.0 -0.5 -1.0 -0.6 -1.0 -0.5 -1.0 -0.6 -1.0 -0.7 -0.8 -0.8 -0.7 -0.8 -0.8 -0.7 -0.8 -0.8 -0.8 -0.7 -0.8 -0.8 -0.8 -0.8 -0.8 -0.8 -0.8 -0.8	0 1 1 1 -1 -2 -4 -2 -2 -2 1 8 0 0 3 3 1 -2 3 3 3 0 2 1 1 Monthly 6 6 10 7 8 4 4 3 5 5	7 2 3 5 5 111 7 7 5 8 8 2 8 4 2 2 8 8 4 4 15 5 15 33 31 8 2 9 9 YTD 4 7 7 10 8 5 5 7 10
SAPPBO Down Jones Nikel TEST TO SO ELEVISION SO DAX CAC CAC MISS MEDIT SO	2,429 21,431 20,081 7,370 3,478 10,510 12,446 5,166 21,191 844 75,951 4,853 2,301 1,926 101,097 818 3,213 5,772 level 124,6 93,3 67,6 24,8 46,0 225,7 116,0 65,6 65,6 65,6	0.2 0.1 0.8 0.3 0.4 0.2 0.5 0.4 0.8 0.8 0.9 0.1 0.8 0.9 0.5 0.2 0.7 1.0 0.2 0.6 0.3 0.1 0.3 0.1 0.1 0.1 0.1 0.2 0.1 0.2 0.3 0.1 0.1 0.1 0.1 0.1 0.1 0.2 0.1 0.2 0.3 0.3 0.1 0.1 0.1 0.1 0.1 0.2 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	0.0 0.2 0.1 0.1 0.1 0.4 0.9 0.2 0.6 0.8 2.0 0.7 1.0 0.6 1.0 0.6 1.0 0.6 1.0 0.6 1.0 0.6 1.0 0.6 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0 1 1 1 -1 -2 -4 4 -2 2 -2 1 1 8 0 0 3 3 1 1 -2 3 3 3 0 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 2 3 5 5 11 7 7 5 8 4 2 2 8 4 1 15 5 15 13 3 3 18 2 9 9 17 10 8 5 7 7 10 4 19 19
SAPERO Down Jones Noted Noted Noted STEEL TOOLS STEEL	2,429 21,431 20,081 7,370 3,478 10,510 12,446 5,166 21,191 4,853 2,301 1,926 101,097 818 3,213 5,772 level 124,6 93,3 67,6 24,8 46,0 93,3 67,6 24,8 46,0 93,3 67,6 94,8 94,8 94,8 94,8 94,8 94,8 94,8 94,8	0.2 0.1 0.8 0.3 0.4 0.2 0.5 0.8 0.8 0.9 0.7 1.0 0.5 0.2 1.0 0.5 0.2 1.0 0.2 1.0 0.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.0 0.2 0.1 0.1 0.4 0.9 0.2 0.6 0.8 2.0 0.2 0.7 0.8 0.6 1.2 0.6 0.8 0.6 0.8 0.6 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0 1 1 1 -1 -2 -4 -2 -2 -2 1 1 8 0 0 0 3 1 1 -2 2 3 3 0 0 2 1 1 Monthly 6 10 7 8 4 4 3 5 5 3 4 6 6	7 2 3 5 5 11 7 7 5 8 8 4 4 2 2 8 8 4 4 2 15 15 15 15 15 15 15 15 15 15 15 15 15
SAPERDO DOWN JONES NAME NAME NAME NAME NAME NAME NAME NAME	2,429 21,431 20,081 7,370 3,478 10,510 12,446 5,166 21,191 4,853 2,301 1,926 101,097 818 3,213 5,772 level 124,6 93,3 67,6 24,8 46,0 93,3 67,6 124,8 125,7 116,6 125,7 116,6 116,6 116,6 116,6 12,9	0.2 0.1 0.8 0.3 0.4 0.2 0.5 0.4 0.8 0.9 0.5 0.5 0.7 1.0 0.5 0.2 0.5 0.5 0.2 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.0 0.2 0.1 0.1 0.1 0.9 0.2 0.6 0.8 2.0 0.2 0.7 0.8 0.6 0.8 0.6 0.8 0.6 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0 1 1 1 1 1 2 2 4 4 2 2 2 1 1 8 8 0 0 3 3 1 2 2 3 3 3 3 0 2 2 1 1 1 1 1 0 7 7 8 4 4 3 5 5 3 4 6 6 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 2 3 5 5 11 7 7 5 8 8 4 2 2 8 8 4 4 2 8 8 4 4 7 7 10 8 5 7 7 10 4 9 9 2 12 13 13
SAPPSO Down Jones Noted Trist Tolo STEP STEP TOLO STEP STEP STEP STEP STEP STEP STEP STEP	2,429 21,431 20,081 7,370 3,478 10,510 12,446 5,166 21,191 844 75,951 1,926 101,097 818 3,213 5,772 1,000 124,6 93,3 67,6 24,8 46,0 225,7 116,0 65,6 14,7 16,6 16,6 16,6 16,6 16,6 16,6 16,6 16	0.2 0.1 0.8 0.3 0.4 0.2 0.5 0.4 0.8 0.9 0.5 0.2 1.0 0.5 0.2 1.0 0.5 0.2 1.0 0.5 0.2 1.0 0.5 0.5 0.7 1.0 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0	0.0 0.2 0.1 0.1 0.0 0.4 0.9 0.2 0.6 0.8 0.6 0.0 0.7 0.8 0.6 1.0 0.5 1.0 0.1 0.1 0.5 1.0 0.1 0.1 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	0 1 1 1 -1 -1 -2 -4 -4 -2 -2 -2 1 1 8 0 0 0 3 1 1 -2 3 3 0 0 2 1 1 1 3 5 5 3 4 6 6 2 1 11 3 3	7 2 3 5 5 11 1 7 5 8 28 4 2 2 8 4 4 15 -15 13 3 18 2 9 9 9 9 7 10 8 5 -7 10 4 19 2 2 12 13 2
SAPERO DOVE JOHN JOHN JOHN JOHN JOHN JOHN JOHN JOHN	2.429 21.431 20.091 7.370 21.431 20.091 7.370 3.478 10.510 62.812 4.465 3.478 11.921 62.812 4.455 3.478 62.812 4.455 3.478 62.812 4.455 3.478 62.812 4.455 3.478 62.812 4.455 3.478 62.812 62.811 62.812 62.818 62.8	0.2 0.1 0.8 0.3 0.4 0.2 0.5 0.4 0.8 0.9 0.2 0.7 0.0 0.2 0.2 0.1 0.0 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.2 0.1 0.2 0.2 0.2 0.2 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	0.0 0.2 0.1 0.1 0.1 0.9 0.2 0.6 0.8 2.0 0.2 0.6 1.0 0.5 1.0 0.5 1.0 0.3 0.8 0.7 1.4 0.9 0.7 1.4 0.9 0.7 1.4 0.9 0.7 1.4 0.9 0.6 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	0 1 1 1 1 1 1 2 2 4 4 2 2 2 2 1 1 8 0 0 3 3 1 1 2 2 3 3 3 0 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 2 3 5 5 111 7 5 8 28 4 2 8 4 4 15 5 33 18 2 9 YTD 4 7 7 10 8 5 5 7 7 10 4 19 2 2 12 13 3 2 2 25 2
SAPERDO Down Jones Nikole 175E 100 S	2.449 21,431 20,081 10,510 21,410 10,510 10,	0.2 0.1 0.8 0.3 0.4 0.2 0.5 0.6 0.8 0.9 0.1 0.9 0.5 0.2 0.7 0.5 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	0.0 0.2 0.1 0.1 0.4 0.9 0.6 0.8 2.0 0.6 1.0 0.5 1.0 0.5 1.0 0.8 1.0 0.5 1.0 0.0 0.5 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0 1 1 1 -1 -1 -2 -4 -4 -2 -2 -1 8 0 0 3 1 -2 -3 3 0 2 1 1 1 1 0 7 8 4 4 6 6 2 1 1 1 3 9 9	7 2 3 5 5 111 7 5 8 28 4 4 2 8 4 4 15 5 15 15 17 10 8 5 7 7 10 4 19 12 12 12 12 12 10 9
SAPPSO Down Jones Nation STEP 100 STEP	2.429 21.431 20.081 20.	0.2 0.1 0.8 0.3 0.4 0.2 0.5 0.4 0.8 0.8 0.9 0.1 0.0 0.5 0.2 1.3 0.9 0.1 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	0.0 0.2 0.1 0.4 0.9 0.2 0.6 0.8 2.0 0.7 0.8 2.0 0.7 0.8 0.6 0.5 1.0 0.5 1.0 0.3 0.3 0.4 1.1 0.3 0.4 1.1 0.4 0.5 1.0 0.5 0.5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0 1 1 1 1 1 2 4 4 2 2 2 2 1 1 8 0 0 0 3 3 3 3 0 0 2 1 1 1 1 2 2 3 3 3 3 4 4 6 6 2 1 1 1 3 3 9 1 1 8 8 0 1 1 1 8 8 0 1 1	7 2 3 5 5 111 7 5 8 8 28 4 4 2 8 4 4 15 5 15 10 8 5 7 7 10 8 5 7 7 10 4 19 9 2 12 13 2 2 2 5 5 2 10 9 9 12
SAEPBO DOWN JONES NAVIOR STEET TO STEET	2.429 21.431 20.081 20.	0.2 0.1 0.3 0.3 0.4 0.2 0.5 0.4 0.8 0.8 0.8 0.9 0.7 1.0 0.5 0.2 0.7 1.0 0.5 0.2 0.7 1.0 0.5 0.6 0.7 1.0 0.5 0.7 1.0 0.5 0.7 1.0 0.5 0.7 1.0 0.5 0.7 1.0 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0	0.0 0.2 0.1 0.4 0.9 0.9 0.0 0.8 0.0 0.8 0.0 0.0 0.1 0.0 0.1 0.1 0.1 0.1	0 1 1 1 1 -1 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	7 2 3 5 5 111 7 7 5 8 8 28 4 2 2 8 4 4 15 5 7 100 8 5 7 7 100 4 19 2 2 12 13 2 2 2 5 2 10 9 9 -12 3 15
SAPPOD ODOWN JOHN JOHN JOHN JOHN JOHN JOHN JOHN JOH	2.429 21.431 20.081 20.081 20.081 20.081 20.081 20.081 20.081 20.466 21.191 20.081 20.	0.2 0.1 0.8 0.3 0.4 0.2 0.5 0.4 0.8 0.8 0.8 0.9 0.9 0.5 0.2 0.7 1.0 0.5 0.2 0.7 1.0 0.5 0.3 0.1 1.0 0.5 0.5 0.6 0.9 0.9 0.0 0.5 0.0 0.5 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.2 0.1 0.4 0.9 0.9 0.6 0.6 0.6 0.6 0.8 0.6 0.5 1.0 0.5 1.0 0.5 1.0 0.6 0.6 0.7 1.1 0.9 0.8 0.8 0.9 0.8 0.8 0.9 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	0 1 1 1 1 2 2 2 2 1 1 8 0 0 0 3 1 1 2 2 3 3 3 3 3 3 4 6 6 2 1 1 1 3 9 9 1 1 1 8 8 0 1 1 6 6 1 1 1 8 8 0 1 1 6 6 1 1 2 2 1 1 1 8 8 0 1 1 6 6 1 1 2 2 1 1 1 1 8 8 0 1 1 6 6 1 1 2 2 1 1 1 1 8 8 0 1 1 6 6 1 1 2 2 1 1 1 1 8 8 0 1 1 6 6 1 1 2 2 1 1 1 1 8 8 0 1 1 6 6 1 1 2 2 1 1 1 1 8 8 0 1 1 6 6 1 1 2 2 1 1 1 1 8 8 0 1 1 6 6 1 1 2 2 1 1 1 1 8 8 0 1 1 6 6 1 1 2 2 1 1 1 1 8 8 0 1 1 6 6 1 1 2 2 1 1 1 1 1 8 8 0 1 1 1 1 1 1 1 1 1 1 1 1	7 2 3 5 5 11 7 7 5 8 8 28 4 4 2 8 8 4 4 15 15 15 2 9 17 10 8 8 5 7 7 10 8 8 5 7 7 10 4 19 12 12 12 12 12 13 2 2 5 2 10 9 9 -12 3 3 15 15 15 15
SAPPSO Down Jones Noted Town Jones Noted	2.429 21.431 20.081 20.081 20.081 20.081 20.081 20.081 20.081 20.46 21.191 20.081 20.0	0.2 0.1 0.8 0.3 0.4 0.2 0.5 0.4 0.8 0.8 0.8 0.9 0.9 0.5 0.2 0.7 1.0 0.5 0.2 0.7 1.0 0.5 0.3 0.1 1.3 0.2 0.3 0.1 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	0.0 0.2 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0 1 1 1 1 -1 -2 -4 -4 -2 -2 -1 1 8 0 0 0 3 3 3 0 2 1 1 -2 -3 3 3 0 2 1 1 1 0 7 8 4 4 6 6 2 1 1 1 1 8 0 0 1 6 -1 1 -2 1 1 3 3 0 1 1 6 6 -1 1 -2 1 1 3 3 3 0 1 1 6 6 -1 1 -2 1 1 3 3 3 0 0 1 1 6 6 -1 1 -2 1 1 3 3 3 0 0 1 1 6 6 -1 1 -2 1 1 3 3 3 0 0 1 1 6 6 -1 1 -2 1 1 3 3 3 0 0 1 1 6 6 -1 1 -2 1 1 3 3 3 0 0 1 1 6 6 -1 1 -2 1 1 3 3 3 0 0 0 1 1 6 6 -1 1 -2 1 1 3 3 3 0 0 0 1 1 6 6 -1 1 -2 1 1 3 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 2 3 5 5 8 8 4 4 2 8 8 4 4 15 -15 33 318 8 2 9 9 YTD 4 7 10 8 5 -7 10 12 12 2 5 2 10 9 9 -12 13 15 16 13 15 16 13
SAPPSO Down Jones Noted	2.429 21.431 20.081 1.20.081 1	0.2 0.5 0.5 0.5 0.5 0.5 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 0.0	0 1 1 1 -1 -2 -2 -1 1 8 0 0 0 3 3 3 3 0 0 2 3 3 3 0 0 2 3 3 3 0 0 0 0	7 2 3 5 111 7 5 8 4 4 2 8 8 4 4 2 8 8 4 4 7 10 8 5 7 10 4 19 9 2 12 13 2 2 2 5 2 10 9 9 15 15 16 13 30 30
SAEPSOO Down Jones Naked Naked 1975 1976 1976 1976 1976 1976 1976 1976 1976	2.429 (21,431	0.2 0.1 0.8 0.9 0.1 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0 1 1 1 -1 -2 1 1 8 0 0 1 1 1 0 7 8 4 4 3 3 5 5 2 1 1 1 8 8 0 0 1 1 -6 1 -2 1 1 3 4 4 5 0 0	7 2 3 5 111 7 7 5 8 4 4 2 2 8 4 4 15 -15 15 15 15 15 15 16 13 30 34 10 10
SAPERDO Down Jones Noted	2.429 2 (1.431 20.081 1 20.081 1 20.081 1 20.081 1 20.081 2 20.081	0.2 0.3 0.4 0.2 0.5 0.6 0.8 0.8 0.8 0.9 0.5 0.2 0.7 0.2 0.2 0.7 0.2 0.3 0.1 0.2 0.3 0.1 0.2 0.3 0.3 0.4 0.9 0.9 0.9 0.9 0.9 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0 1 1 1 -1 -2 -4 -4 -2 -2 -1 1 8 0 0 0 3 3 3 0 2 1 1 -2 -3 3 3 3 0 2 1 1 1 -2 -3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 2 2 3 5 5 8 4 4 2 8 4 4 15 5 15 10 8 5 7 7 10 8 5 7 7 10 4 19 2 12 13 2 2 5 2 10 9 9 12 13 3 15 16 13 30 34
SAPPSO Down Jones Noted	2.429 2.1.431 2.0.081 1.7.370 2.1.411 2.0.081 2.1.411 2.0.081 2.1.411 2.0.081 2.1.411 2.1.416	0.2 0.1 0.8 0.9 0.1 0.2 0.5 0.1 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.3 0.3 0.4 0.5 0.5 0.5 0.5 0.5 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 0.0	0 1 1 1 1 -1 -2 -4 -4 -2 -2 -1 1 8 0 0 0 3 1 1 -2 1 3 3 0 0 2 1 1 1 3 3 9 1 1 8 4 4 3 5 5 3 4 4 6 6 2 1 1 1 3 3 9 1 1 8 8 0 0 1 1 6 -1 -2 1 1 3 3 4 5 5 0 8 8	7 2 3 3 5 111 7 7 5 8 8 4 4 2 8 4 15 5 18 2 9 9 17 10 8 8 5 7 7 10 4 19 2 12 12 12 12 12 15 15 16 16 16 13 30 34 10 12
SAPPSO DOWN JONES NAME NAME NAME NAME NAME NAME NAME NAME	2.429 2 (1.431 2.0081 1.132 2.1431 2.0081 1.132 2.1431 2.1	0.2 0.1 0.8 0.9 0.1 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.3 0.5 0.5 0.2 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0 1 1 1 1 -1 -2 2 -4 -4 -2 2 -2 1 1 8 0 0 0 3 3 3 0 0 2 1 1 1 3 3 4 4 6 6 2 1 1 1 3 3 4 6 6 2 1 1 1 3 3 4 5 5 0 8 8 8 8 8 Mounthly 1.6	7 2 3 3 5 5 111 7 7 5 8 8 4 2 2 8 4 15 5 7 10 0 8 5 7 7 10 0 8 5 7 7 10 0 9 12 13 2 2 5 2 10 9 9 12 13 3 30 30 4 10 12 Year 9 5 5
SAPPSO Down Jones 100 year 100	2.429 2.1431 2.0081 3.079 3.07	0.2 0.1 0.8 0.9 0.1 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.5 0.2 0.6 0.1 0.5 0.5 0.2 0.6 0.1 0.5 0.5 0.2 0.6 0.1 0.5 0.5 0.5 0.5 0.5 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 0.0	0 1 1 1 1 2 4 4 2 2 2 1 1 1 8 0 0 3 3 3 3 0 2 2 1 1 1 1 8 0 1 1 6 6 1 1 1 3 3 9 9 1 1 8 8 0 1 1 6 6 6 6 6 6 6 6 6 6 8 8 8 8 8 8 8 8	7 2 3 3 5 111 17 7 5 8 8 4 4 4 15 5 5 8 8 4 4 7 7 100 8 5 7 7 100 4 7 100 100 100 100 100 100 100 100 100 1
SAPPSO DOWN JONES NAME NAME NAME NAME NAME NAME NAME NAME	2.429 2 (1.431 2.0081 1.132 2.1431 2.0081 1.132 2.1431 2.1	0.2 0.1 0.8 0.2 0.5 0.4 0.8 0.9 0.9 0.9 0.1 0.2 0.2 0.5 0.5 0.2 0.7 0.1 0.2 0.3 0.2 0.1 0.1 0.2 0.3 0.2 0.1 0.2 0.3 0.2 0.1 0.2 0.3 0.3 0.1 0.1 0.2 0.3 0.3 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	0.0 0.0 0.0 0.1 0.0 0.	0 1 1 1 1 -1 -2 2 -2 -1 1 8 0 0 0 3 3 3 0 0 2 1 1 1 1 3 3 4 4 6 6 2 2 1 1 3 3 4 5 5 0 8 8 8 8 6 7 1 1 1 3 3 4 5 5 0 8 8 8 8 8 8 8 7 1 1 1 3 3 4 5 5 0 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	7 2 3 5 5 11 1 7 7 5 8 8 28 8 4 4 2 8 8 4 15 15 15 10 10 8 5 7 7 7 10 10 10 10 10 10 10 10 10 10 10 10 10
SAPSOO Down Jones Noted Interest Intere	2.429 21.431 20.001 21.431 20.001 20.	0.2 0.3 0.4 0.8 0.9 0.9 0.9 0.1 0.2 0.2 0.5 0.2 0.5 0.2 0.7 0.1 0.2 0.3 0.2 0.1 0.2 0.3 0.2 0.1 0.1 0.2 0.3 0.2 0.1 0.2 0.3 0.5 0.2 0.1 0.2 0.3 0.3 0.2 0.1 0.1 0.2 0.3 0.3 0.3 0.1 0.1 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0 1 1 1 1 2 4 4 2 2 2 1 1 8 0 0 0 3 3 1 2 2 3 3 3 0 0 2 2 1 1 1 1 0 0 0 1 1 0 1 0 1 0 1 0	7 2 3 5 5 11 1 7 7 5 8 8 28 8 4 4 2 8 8 4 15 15 15 10 10 8 5 7 7 7 10 10 10 10 10 10 10 10 10 10 10 10 10
SAPPSO DOWN JONES HORSE HORS HORSE H	2.429 2.1431 2.0081 2.0	0.2 0.5 0.5 0.5 0.5 0.5 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 0.0	0 1 1 1 1 2 4 4 4 2 2 2 1 1 1 8 0 0 1 6 0 6 6 1 1 1 3 3 9 1 1 8 8 0 0 1 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	7 2 3 5 5 11 1 7 7 5 8 8 28 4 4 2 8 8 4 4 15 15 15 15 15 15 15 15 15 15 15 15 15
SAPSOO Down Jones Noted	2.429 2.1431 2.0081 1.102 2.013 2.01	0.2 0.3 0.4 0.8 0.8 0.8 0.8 0.9 0.2 0.2 0.7 0.5 0.2 0.2 0.7 0.1 0.2 0.5 0.5 0.1 0.2 0.2 0.6 0.6 0.0 0.7 0.5 0.1 0.2 0.2 0.2 0.6 0.6 0.0 0.7 0.5 0.2 0.2 0.2 0.6 0.6 0.0 0.7 0.7 0.5 0.1 0.2 0.2 0.3 0.4 0.9 0.0 0.1 0.1 0.1 0.1 0.1 0.1 0.2 0.3 0.3 0.5 0.3 0.5 0.3 0.3 0.5 0.3 0.5 0.3 0.3 0.5 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0 1 1 1 1 2 2 2 2 1 8 0 0 0 3 3 1 2 2 3 3 3 0 2 2 1 1 1 3 3 4 4 2 4 5 5 0 8 8 Monthly 1.6 6 8 8 8 Monthly 1.6 6 8 8 Monthly 1.6 6 8 8 8 1 1 0 0 1 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 1 0	7 2 3 5 111 7 7 5 8 8 28 4 4 2 2 8 4 4 1 5 3 3 8 18 8 5 7 7 10 8 5 7 7 10 4 19 2 12 13 3 2 2 10 9 2 3 15 15 16 16 3 3 4 4 10 12 2 5 5 3 6 6 1 1 3 3 6 6 1 1 1 3 3 6 6 1 1 1 3 3 6 6 1 1 1 3 3 6 6 1 1 1 3 3 6 6 1 1 1 3 3 6 6 1 1 1 3 3 6 6 1 1 1 3 3 6 6 1 1 1 3 3 6 6 1 1 1 3 3 6 6 1 1 1 3 3 6 6 1 1 1 3 3 6 6 1 1 1 3 3 6 6 1 1 1 3 3 6 6 1 1 1 3 3 6 6 1 1 1 3 3 6 6 1 1 1 3 3 6 6 1 1 1 1
SAPPSO Down Jones Noted In March Not	2.429 2.1.431 2.0.081	0.2 0.5 0.6 0.8 0.8 0.8 0.8 0.8 0.9 0.9 0.5 0.0 0.0 0.0 0.0 0.5 0.0 0.0 0.0 0.0	0.0	0 1 1 1 1 1 2 2 2 2 2 1 1 8 0 0 0 1 1 1 1 1 2 2 3 3 3 3 0 0 2 1 1 1 2 2 3 3 3 3 0 0 2 1 1 1 1 3 3 4 6 6 2 1 1 1 3 3 4 6 6 2 1 1 1 3 3 4 6 6 2 1 1 1 3 3 4 6 6 2 3 1 1 1 3 3 4 6 6 2 3 1 1 1 3 3 4 6 6 2 3 1 1 1 3 3 4 6 6 2 3 1 1 1 3 3 4 6 6 2 3 1 1 1 3 3 4 6 6 2 3 1 1 1 3 3 4 6 6 2 3 1 1 1 1 3 3 4 6 6 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 2 3 5 5 11 1 7 7 5 8 8 28 4 4 2 8 8 4 4 15 5 15 16 19 19 19 19 19 19 19 19 19 19 19 19 19
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SAPSOO Down Jones Hober	2.429 21.431 20.001 10.51 20.001 20.0	0.2 0.1 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	0.0 0.2 0.2 0.1 0.2 0.6 0.8 0.8 0.6 0.1 0.0 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0 1 1 1 1 1 2 2 -4 1 2 2 2 2 2 2 3 3 3 3 3 2 2 2 3 3 3 3 3	7 2 3 5 5 117 7 7 5 5 8 28 8 4 4 15 5 18 2 2 8 8 4 4 15 5 11 10 8 15 15 15 10 10 12 12 12 12 12 12 12 12 12 12 12 12 12
SAPSOO Down Jones Note	2.429 2.1431 2.0081 1.1414.08 2.15 2.15 2.15 2.16 2.16 2.16 2.16 2.16 2.16 2.16 2.16	0.2 0.5 0.6 0.8 0.9 0.9 0.2 0.2 0.2 0.1 0.0 0.1 0.2 0.2 0.2 0.1 0.0 0.1 0.1 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	0.0 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	0 1 1 1 1 1 1 2 2 4 4 2 2 2 1 1 8 8 9 1 1 2 2 1 3 3 9 1 1 2 2 1 1 1 3 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 2 3 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6
SAPPSO Down Jones Noted Noted Noted STEELED STEEL	2.429 2.1431 2.0081 2.0	0.2 0.5 0.6 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.0 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	0 1 1 1 1 1 1 2 2 4 1 2 2 2 2 1 1 3 3 3 1 1 2 2 1 1 1 1 2 2 1 1 1 1	7 2 3 5 5 111 7 7 5 8 8 28 4 4 1 5 1 5 1 10 10 10 10 10 10 10 10 10 10 10 10 1
SAPPORO DOWN JONES NAME NAME NAME NAME NAME NAME NAME NAME	2.429 21.431 20.001 20.	0.2 0.1 0.3 0.8 0.9 0.5 0.2 0.5 0.5 0.6 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.0 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	0 1 1 1 1 1 1 2 2 4 4 2 2 2 1 1 8 8 9 1 1 2 2 1 3 3 9 1 1 2 2 1 1 1 3 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 2 3 3 5 111 7 5 8 8 4 4 2 8 8 4 5 15 15 15 15 15 15 15 16 13 30 4 10 12 12 12 13 13 15 15 15 15 15 15 15 15 15 15 15 15 15
SAPSOO Down Jones Noted	2.429 2.1.431 2.0.081 1.1.4 2.0.081 1.1.4 2.0.081 1.1.4 2.0.081 1.1.4 2.0.081 2.1.5	0.2 0.1 0.3 0.5 0.2 0.2 0.2 0.2 0.2 0.3 0.3 0.5 0.2 0.2 0.2 0.3 0.3 0.5 0.2 0.2 0.3 0.3 0.5 0.2 0.3 0.3 0.3 0.5 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	0.0 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 2 3 3 5 1 1 1 7 7 5 8 8 4 4 2 8 8 4 4 7 7 1 0 1 8 5 7 7 7 1 0 1 4 1 9 2 1 2 1 1 3 2 1 2 1 1 3 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1
SAPERDO DOWN Jones Noted In Service SAPERDO NOTE SAPERD	2.429 2.1.431 2.0.081	0.2 0.1 0.3 0.8 0.9 0.1 0.0 0.0 0.1 0.0 0.1 0.0 0.1 0.1 0.1	0.0 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 2 3 3 5 5 11 1 7 5 8 8 4 2 2 8 8 4 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
SAPPSO Down Jones Noted Not	2.429 2.1.431 2.0.081 1.1.2.081 2.1.431 2.0.081 2.0.081 2.1.431 2.0.081 2.0.081 2.1.431 2.0.081 2.1.431 2.0.081 2.1.431 2.1.446 2.1.431 2.1.43	0.2 0.5 0.6 0.8 0.9 0.8 0.9 0.5 0.2 0.2 0.0 0.0 0.1 0.5 0.5 0.4 0.1 0.2 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.0 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 2 3 3 5 11 1 7 7 5 8 8 4 4 2 8 8 4 4 7 7 100 8 8 5 7 7 100 8 8 5 7 7 100 8 100 100 100 100 100 100 100 100 1
SAPPERO DOWN JONES NAVIOR STORY	2.429 2.1.431 2.0.081	0.2 0.1 0.3 0.5 0.2 0.2 0.2 0.2 0.3 0.3 0.5 0.2 0.2 0.3 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	0.0 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 2 3 3 5 11 1 7 5 8 8 8 4 4 1 5 15 10 10 8 8 5 7 7 7 10 0 10 8 5 10 10 10 10 10 10 10 10 10 10 10 10 10
SAPPSO Down Jones Noted Not	2.429 2.1.431 2.0.081	0.2 0.1 0.1 0.2 0.2 0.1 0.2 0.2 0.1 0.2 0.2 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.0.0 0.2.1 0.1 0.2.1 0.3.1 0.4 0.9.9 0.6 0.2 0.0.2 0.0.2 0.0.2 0.0.2 0.0.2 0.0.2 0.0.2 0.0.2 0.0.2 0.0.2 0.0.2 0.0.2 0.0.3 0.	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 2 3 3 5 11 1 7 7 5 8 8 4 4 4 7 7 10 9 1 9 1 10 10 10 10 10 10 10 10 10 10 10 10 1





US (2-yr) US	1 20	Daily -2.0	Week	Month 6	YTD 17
	1.38 2.37	-2.0	-3.1 1.6	18	-7
GER (2-γr) Germany	-0.61 0.54	-1.0 -3.3	-2.0 6.4	13 28	17 26
France Spain	0.91 1.67	-3.0 -6.1	8.2 14.5	26 20	10 16
Italy Portugal	2.28 3.13	-6.3 -3.4	14.5	10	41 -105
Greece Japan (2-yr)	5.38 -0.10	-5.6	-1.9	-69 1	-150 9
Japan Emerging Markets	0.09 level	0.7 0.8 Daily	2.3 2.5 Weekly	3 Monthly	3 YTD
Brazil	10.52	-7.5	4.0	-35	-90
Chile Colombia	4.22 6.73	0.4 -2.8	7.6 30.4	17 56	-10 -37
Mexico Peru	6.78 5.68	-4.8 0.7	-7.6 22.7	-32 25	-86 -79
Poland Russia	3.33 7.94	-4.4 -3.4	4.1 3.2	12 13	-39 -50
Turkey	10.51	-9.0 -5.8	18.0	29	-49 9
Indonesia	7.16	-1.2	27.8	22	-69
Country r Developed Markets	risk (bp, chang level	es in bp) Daily	Weekly	Monthly	YTD
10-yr sovereign spread vs Germany				-2	
France Italy	37 174 259	0.3 -3.0	1.8 8.1	-18	-16 15
Portugal Spain	259 113	-0.1 -2.8	5.3 8.1	-18 -9	-103 -3
2-yr sovereign spread vs Germany France	24	-0.9		3	14
Italy	49	-1.2	0.8 3.0	-1	-13
Portugal Spain	69 41	-3.1 -0.9	-3.2 8.5	-22 -4	-78 -7
Emerging Markets 5-yr sovereign CDS *	level	Daily	Weekly	Monthly	YTD
Brazil	238	-3.6	0	1	-34
Chile Colombia	67 141	-0.8 -1.1	6	-1 14	-15 -22
Mexico	114 87	-1.6	2	3	-42 -21
Peru Venezuela	4,317	-1.4 21.4	1 67	-2 101	412
Poland Russia	61 177	0.0 -0.1	9	-1 24	-14 0
Turkey China	205 73	1.3	12	10	-67 -44
India	91	8.0	1	-2	-36
Indonesia	123 isk indicators	2.3	6	4	-33
Volatilty indicators (%)	level	Daily	Weekly	Monthly	YTD
VIX VSTOXX	11 15	-2.0 -2.6	-2 2	8 5	-1 -2
EM EFT volatility Index	16	-5.7	0	2	-21
Dollar/euro volatility EM FX volatility index	6 8	-5.1 0.1	2	0	-38 -28
Credit spread (BAA) (bps) US bonds volatility Index	210 56	2.0 -2.1	3 1	-15 4	-17 -27
Banking 5 y CDS (bps) *	level		Weekly	Monthly	
US EZ	52 59	-0.4 1.5	2	-8 -22	-20 -49
UK Large Spanish	50 62	0.5 2.6	9	-17 -20	-40 -55
Medium Spanish	99	0.8	-4	-22	-53
Corporate 5y CDS (bps) * US Non-financial	level 144	Daily -0.4	Weekly	Monthly -8	YTD -20
EZ Non-financial UK Non-financial	82 115	1.5	2	-22 -1	-49 -9
Interbank m		inges in b			
EONIA Index	-0.36	Daily 0.00	Weekly 0.0	Monthly 0.0	VTD 0.0
Euribor 3m Euribor 12m	-0.33 -0.16	0.00	0.0	0.0	0.0
Libor 3m	1.31	0.00	0.0	0.0	-0.1 0.3
Libor 12m EZTED spread 3m	1.76 47.8	0.00	0.0	0.0	0.1 -18.6
	ck markets (
Main indices S&P500	level 2.429	Daily 0.2	Weekly 0.0	Monthly	YTD 7
S&P500 Dow Jones	2,429	0.2	-0.2	1	7
Nikkei FTSE 100	20,081 7,370	0.8	0.1 -0.1	-1	2
EuroStoxx 50 IBEX	3,478 10,510	0.4	-0.4 -0.9	-2 -4	5 11
DAX	12,446	0.5	-0.2	-2	7
CAC	5,166	0.4			
MIB	21,191	0.8	-0.6 0.8	-2 1	5 8
MIB ASE Athens	21.191 844	8.0 8.0	0.8 2.0	1 8	8 28
MIB ASE Athens MSCI Latam * Ibovespa (Brazil)	21,191 844 75,951 62,812	0.8 0.8 -0.1 0.8	0.8 2.0 -0.2 -0.7	1 8 0	8 28 4 2
MIB ASE Athens MSCI Latam * (bovespa (Brazil) Mexbol	21.191 844 75,951 62,812 50,521	0.8 0.8 -0.1	0.8 2.0 -0.2 -0.7 0.8	1 8 0	8 28 4
MIB ASE Athens MSCI Latam * Ibovespa (Brazil) Mexbol MSCI EM Europe *	21.191 844 75,951 62,812 50,521 4,853 2,301	0.8 -0.1 0.8 -0.9 -0.5 0.2	0.8 2.0 -0.2 -0.7 0.8 0.6 -1.0	1 8 0 0 3 1	8 28 4 2 8 -4 15
MIB ASE Athens MSCI Latam * Ibovespa (Brazil) Mochol MSCI EM Europe * Poland Misca (Russia)	21,191 844 75,951 62,812 50,521 4,853 2,301 1,926 101,097	0.8 0.8 -0.1 0.8 0.9 -0.5 0.2 0.7 1.0	0.8 2.0 -0.2 -0.7 0.8 0.6 -1.0 1.2 0.6	1 8 0 0 3 1 -2 3 3	8 28 4 2 8 -4 15 -15 33
MIB ASE Athens MSCI Latam* hovespa (Bazi) Mecbol MSCI EM Europe* Peland Micox (Russia) se 100 (Turkey) MSCI EM Asia *	21.191 844 75,951 62,812 50,521 4,853 2,301 1,926 101,097 818	0.8 0.8 -0.1 0.8 0.9 -0.5 0.2	0.8 2.0 -0.2 -0.7 0.8 0.6 -1.0	1 8 0 0 3 1 -2 3	8 28 4 2 8 -4 15
MIB ASE Athers MSCI Latan* blooveapa (Bazil) Model Model Model Model Model Model Europe* Poland Mices (Ruspia) Mices (Turkey) MSCI EM Asia* Shanghal Com (Chiha)	21,191 844 75,951 62,812 50,521 4,853 2,301 1,926 101,097	0.8 0.8 -0.1 0.8 0.9 -0.5 0.2 0.7 1.0 -0.5 -0.2 -1.3	0.8 2.0 -0.2 -0.7 0.8 0.6 -1.0 1.2 0.6 -0.5	1 8 0 0 3 1 -2 3 3	8 28 4 2 8 -4 15 -15 33 18
MIB SKS Amens MSCI Latam * Bloovega (filiazi) Moctod Moctod Moctod Miscr (filiazi) Micro (filiazi) Miscr (fili	21.191 844 75.951 62,812 50.521 4,853 2,301 1,926 101,097 818 3,213 5,772 level 124.6	0.8 0.8 -0.1 0.8 0.9 -0.5 0.2 0.7 1.0 -0.5 -0.2 -1.3 Daily -0.2	0.8 2.0 -0.2 -0.7 0.8 0.6 -1.0 1.2 0.6 -0.5 0.5 -1.0 Weekly -0.1	1 8 0 0 3 1 -2 3 3 0 2 1 Monthly 6	8 28 4 2 8 -4 15 -15 33 18 2 9
MIS SEX Alberts MSC I Laters MSC I Laters MSC I Market MSC I Misses MSC	21.191 844 75,951 62,812 50,521 4,853 2,301 1,926 101,097 818 3,213 5,772 level 124,6 93,3 67,6	0.8 0.8 -0.1 0.8 0.9 -0.5 0.2 0.7 1.0 -0.5 -0.2 -1.3	0.8 2.0 -0.2 -0.7 0.8 0.6 -1.0 1.2 0.6 -0.5 0.5 -1.0	1 8 0 0 3 1 -2 3 3 0 2 1 Monthly	8 28 4 2 8 -4 15 -15 33 18 2 9
MIB SEX Alberts MSC I Latam " MSC I Latam " MSC I MSC	21.191 844 75,951 62,812 50,521 4,853 2,301 1,926 101,097 818 3,213 5,772 level 124.6 93.3 67.6 24.8	0.8 0.8 -0.1 0.8 0.9 -0.5 0.2 0.7 1.0 -0.5 -0.2 -1.3 Daily -0.2 -1.3 -0.5 -0.3	0.8 2.0 -0.2 -0.7 0.8 0.6 -1.0 1.2 0.6 -0.5 0.5 -1.0 Weekty -0.1 0.6 -1.0	1 8 0 0 0 3 1 1 -2 3 3 0 2 1 1 Monthly 6 10 7 8	8 28 4 2 8 -4 15 -15 33 18 2 9 YTD 4 7 10 8
MIS SEX Allens MSC Latens M	21.191 844 75,951 62,812 50,521 4,853 2,301 1,926 101,097 818 3,213 5,772 level 124,6 93,3 67,6 24,8 46,0 225,7	0.8 0.8 -0.1 0.8 0.9 -0.5 0.2 0.7 1.0 -0.5 -0.2 -1.3 Daily -0.2 -0.6 -0.5 -0.3 -0.1	0.8 2.0 -0.2 -0.7 0.8 0.6 -1.0 -0.5 0.5 -1.0 Weekly -0.1 0.6 -1.0 0.8 -0.7	1 8 0 0 0 3 1 1 -2 3 3 0 2 1 1 Monthly 6 10 7 8 4 3 3	8 28 4 2 8 -4 15 -15 33 18 2 9 YTD 4 7 10 8 5
MIS SEC Allams * MSC Latans * MSC Latans * MSC Latans * MSC EM Exeque * Volvad MISC EM Exeque * MISC EM Exeque *	21.191 844 75,951 62,812 50,521 4,853 2,301 1,926 101.097 818 3,213 5,772 Level 124.6 93.3 67.6 24.8 46.0 225.7 116.0	0.8 0.8 -0.1 0.8 0.9 -0.5 0.2 -1.3 Daily -0.2 -0.6 -0.5 -0.3 -0.1 0.1	0.8 2.0 -0.2 -0.7 0.8 0.6 -1.0 1.2 0.6 -0.5 -1.0 Weekly -0.1 0.3 0.8 -0.7 1.4	1 8 0 0 0 3 1 1 -2 3 3 0 2 1 1 Monthly 6 10 7 8 4 3 5 5 3	8 28 4 2 8 4 15 -15 33 31 8 2 9 YTD 4 7 7 10 8 5 -7 10 4
MIB SKE Amens MSCI Latam " MSCI Latam " MSCI Latam " MSCI Latam " MSCI MSCI MSCI MSCI MSCI MSCI MSCI MSCI	21,191 844 75,951 62,812 50,521 4,853 2,301 1,926 101,097 818 3,213 5,772 level 124,6 93,3 67,6 24,8 46,0 225,7 116,0 65,6	0.8 0.8 0.9 0.5 0.2 0.7 1.0 0.5 0.2 1.3 0.8 0.9 0.5 0.2 0.7 1.0 0.2 1.3 0.1 0.1 0.2 0.1 0.1 0.1 0.1 0.1 0.1 0.2 0.1	0.8 2.0 -0.2 -0.7 0.8 0.6 -1.0 1.2 0.6 -0.5 -1.0 Weekly -0.1 0.6 -1.0 0.3 0.8 -0.7 1.4 1.0 1.3	1 8 0 0 0 3 1 1 -2 3 3 3 0 2 1 1 Monthly 6 10 7 8 4 4 3 5 5 3 3 4	8 28 4 2 8 4 4 15 -15 33 3 18 2 9 9 YTD 4 7 7 10 8 5 -7 7 10 4 19
MIS SEC Allerins " MSC Lataria" MSC Lataria" MSC Lataria MSC Latar	21.191 844 75.951 62,812 50.521 4,853 2,301 1.926 101.097 818 3,213 5,772 level 124.6 93.3 67.6 24.8 46.0 225.7 116.0 65.6 14.7	0.8 0.8 0.9 0.1 0.8 0.9 0.5 0.2 0.7 1.0 0.5 -0.2 -1.3 0.1 0.1 0.2 -0.6 0.5 -0.2 -0.3 -0.1 0.2 -0.1 0.1 0.1 0.1 0.1 0.2 0.6	0.8 2.0 -0.2 -0.7 0.8 0.6 -1.0 1.2 0.6 -0.5 -1.0 0.5 -1.0 0.6 -1.0 0.3 0.8 -0.7 1.4 1.0 1.3 3.0 0.8	1 8 0 0 0 3 1 1 -2 3 3 0 2 1 1 Monthly 6 10 7 8 4 4 3 5 5 3 4 4 6 6 2	8 28 4 2 8 4 4 15 -15 33 31 8 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
MIS MSC Alexes MSC Laters MS	21.191 844 75,951 62.812 50.521 4.853 2.301 1.926 101.097 818 3.213 5.772 level 124.6 93.3 67.6 93.3 67.6 14.7 116.0 65.6 14.7 16.6 15.6 2.9 49.2	0.8 0.8 0.9 0.1 0.8 0.9 0.5 0.2 0.7 1.0 0.5 -0.2 1.3 -0.1 0.1 0.1 0.2 -0.5 -0.3 -0.1 0.1 0.1 -0.2 -0.6 0.0 0.7 -0.5	0.8 2.0 -0.2 -0.7 0.8 0.6 -1.0 1.2 0.6 -0.5 0.5 -1.0 Weekly -0.1 0.6 -1.0 0.3 0.8 -0.7 1.4 1.0 1.3 3.0 0.8 0.4 1.7	1 8 0 0 0 3 1 1 -2 3 3 0 2 2 1 1 Monthly 6 10 7 8 4 4 3 5 3 4 4 6 2 2 11 3 3	8 28 4 1 2 8 4 4 15 -15 33 31 8 2 9 9 YID 8 5 -7 10 4 19 2 12 13 3 2
MIB SKS Alberis MSCI Latars MSCI Latars MSCI Latars MSCI Latars MSCI EMPLOYER MSCI EMPLOYE	21.191 844 75,951 62,812 50.521 4,853 2.301 1,926 101.097 818 3,213 5,772 124.6 93.3 67.6 24.8 46.0 225.7 116.0 65.6 14.7 16.6 15.6 2.9 49.2	0.8 0.8 0.9 0.1 0.8 0.9 0.5 0.2 0.7 1.0 0.5 0.2 1.3 Daily 0.2 0.6 0.5 0.3 0.1 0.2 0.1 0.2 0.6 0.7 0.7 0.7	0.8 2.0 -0.2 -0.7 0.8 0.6 -1.0 1.2 0.6 -0.5 0.5 1.0 Weekly -0.1 0.3 0.8 -0.7 1.4 1.0 0.8 0.4 1.7 3.2	1 8 0 0 0 3 1 1 -2 3 3 0 2 1 1 Monthly 6 10 7 8 4 3 5 5 3 4 6 6 2 1 1 1	8 28 4 1 2 8 4 4 155 -155 33 318 2 9 9 YTD 4 7 7 10 8 8 5 -7 10 4 4 19 9 2 12 13
MIB MSC Attents MSC I Latent MSC I Latent MSC I Latent MSC I MSC I Latent MSC I L	21.191 844 75,951 62,812 50,521 4,883 2,301 1,926 101.097 818 3,213 5,772 1evel 124.6 93.3 67.6 24.8 46.0 225.7 116.0 65.6 11.6 2.9 49.2 17.5 89.9 19.9 19.9 19.9 19.9 19.9 19.9 19.9	0.8 0.8 0.8 0.9 0.1 0.8 0.9 0.5 0.2 1.0 0.5 0.2 1.3 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.1 0.2 0.1 0.1 0.1 0.2 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.8 2.0 -0.2 -0.7 0.8 6.6 -1.0 0.5 -1.0 0.5 -1.0 0.3 0.8 -0.7 1.4 1.0 0.8 0.4 1.7 3.2 0.5 1.7 1.2 0.8 0.4 1.7 3.2 0.5 1.2 0.8 0.4 1.7 3.2 0.5 1.2 0.5 1.2 0.5 1.2 0.8 0.8 0.4 1.7 3.2 0.5 1.2 0.2 0.5 1.2 0.2	1 8 0 0 0 3 1 1 -2 3 3 3 3 0 2 1 1 Monthly 6 10 7 8 4 4 3 5 5 3 4 4 6 2 11 1 3 9 9 1 8	8 28 4 4 2 8 4 4 15 5 -15 33 18 8 2 9 YTD 4 4 7 7 10 8 8 5 -7 7 10 2 12 13 2 2 2 5 5 2 10
MIS SEX Alleris " MSC Lateris" " MSC	21.191 844 75.951 62.812 50.521 4.853 2.301 19.00 10.097 818 3.213 5.772 level 124.6 46.0 225.7 116.6 15.6 15.6 19.9 19.9 19.9 19.9 19.9 19.9 19.9 19	0.8 -0.1 0.8 -0.1 0.8 0.9 -0.5 0.2 -1.3 0.5 -0.2 -1.3 -0.5 -0.2 -1.3 -0.5 -0.3 -0.1 -0.2 -0.1 -0.2 -0.1 -0.2 -0.1 -0.2 -0.1 -0.2 -0.1 -0.2 -0.1 -0.2 -0.1 -0.2 -0.1 -0.2 -0.1 -0.2 -0.1 -0.2 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3	0.8 2.0 -0.2 -0.7 -0.5 -0.5 -1.0 0.5 -1.0 0.5 -1.0 0.5 -1.0 0.5 -1.0 0.5 -1.0 0.5 -1.0 0.5 -1.0 0.3 0.8 -0.7 1.4 1.0 1.3 0.8 0.4 1.7 3.2 0.5 0.5 1.2 0.4 0.5 0.5 1.2 0.4 0.3 0.8 0.4 1.7 3.2 0.5 0.5 1.2 0.4 0.3 0.8 0.4 1.7 0.8 0.8 0.4 1.7 0.8 0.8 0.4 1.7 0.8 0.8 0.4 1.7 0.8 0.8 0.4 1.7 0.8 0.8 0.4 1.7 0.8 0.8 0.4 1.7 0.8 0.8 0.4 0.4 0.4 0.3 0.8 0.4 0.4 0.4 0.4 0.3 0.8 0.4 0.4 0.4 0.8 0.8 0.4 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	1 8 0 0 0 3 1 1 -2 3 3 3 0 2 2 1 1 Monthly 6 10 7 8 4 3 5 3 4 4 6 6 2 11 1 3 9 9 1 8 0 0 1 1	8 28 4 4 2 8 8 4 4 15 5 15 16 17 10 8 8 5 7 10 4 4 19 2 12 13 3 2 5 2 10 9 9 -12
MIB SKE Alberis MSCI Lataria MSCI Lataria MSCI Lataria MSCI EM Excepte* Poland Misce Ottosalo Mi	21.191 844 75.951 62.812 50.521 4.853 2.301 1.926 101.097 818 3.213 5.772 level 124.6 93.3 67.6 24.8 46.0 225.7 116.0 65.6 14.7 16.6 15.6 2.9 17.5 89.9 738.3 256.4	0.8 0.8 0.8 0.9 0.1 0.8 0.9 0.5 0.2 0.7 1.0 0.5 0.2 1.3 0.8 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.8 2.0 -0.2 -0.7 -0.2 -0.7 -0.5 -0.5 -1.0 -0.5 -0.1 -0.5 -0.7 -1.0 -0.5 -0.7 -1.0 -0.3 -0.7 -1.4 -1.3 -0.2 -0.5 -0.7 -1.4 -1.0 -0.2 -0.5 -0.7 -1.4 -1.7 -0.2 -0.5 -0.7 -1.4 -1.7 -0.2 -0.5 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2	1 8 0 0 0 3 1 1 -2 3 3 3 3 0 2 1 1 1 5 6 6 10 7 7 8 4 4 6 6 2 1 1 1 3 9 9 1 8 8 0 0	8 28 4 4 2 8 8 4 4 4 15 5 -15 33 3 18 8 2 9 9 YTD 8 8 5 -7 10 4 19 9 2 12 13 3 2 2 2 2 5 2 10 9
MIB SKE Alberts MSCI Latars MSCI Latars MSCI Latars MSCI Excepte* Poland Misce Ottosalo See 100 ("Turkey) MSCI EM Asia" Shanghal Com (Chab See 100 ("Turkey) MSCI EM Asia" Shanghal Com (Chab See 100 ("Turkey) MSCI EM Asia" Shanghal Com (Chab See 100 ("Turkey) MSCI EM Asia" Shanghal Com (Chab See 100 ("Turkey) MSCI EM Asia" Shanghal Com ("Chab See 100 ("Turkey) MSCI EM See 100 ("Tu	21.191 844 75.951 62.812 50.521 4.853 2.301 1.301 8.3213 5.272 level 124.6 24.8 46.0 225.7 116.0 65.6 14.7 16.6 2.9 17.5 8.9 9.7 18.3 2.3 2.3 17.5 2.3 2.3 17.5 2.3 18.3 2.3 19.3 2.3 19.3 2.3 19.3 2.3 19.3 2.3 19.3 19.3 19.3 19.3 19.3 19.3 19.3 19	0.8 0.8 0.1 0.8 0.9 0.5 0.2 0.7 0.7 0.5 0.2 0.7 1.0 0.5 0.2 0.7 0.1 0.1 0.1 0.2 0.6 0.5 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.8 2.0 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0	1 8 0 0 3 3 1 -2 3 3 3 0 2 1 1 100 7 7 8 4 4 3 3 5 5 3 4 4 6 6 2 11 1 3 9 9 1 8 8 0 1 1 -6 6 -1 -2 -2	8 28 4 2 8 8 4 15 -15 33 33 15 15 2 9 15 8 8 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18
MIS SEX Alleris MSC Lateris M	21.191 844 75.951 62.812 50.521 4.853 2.301 1.926 101.097 818 3.213 5.272 level 124.6 93.3 67.6 24.8 46.0 225.7 116.0 65.6 14.7 16.6 2.9 9.9 9.9 9.9 9.9 9.9 9.9 9.9 9.9 9.9	0.8 0.8 0.1 0.8 0.9 0.5 0.2 0.7 1.0 0.5 0.2 0.7 1.0 0.5 0.2 0.7 1.0 0.5 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	0.8 2.0 -0.2 -0.7 -0.8 0.6 0.6 -0.5 -0.5 -0.5 -0.5 -0.5 -1.0 0.6 -0.5 -1.0 0.3 0.8 0.7 -1.3 3.0 0.8 0.4 1.7 3.2 0.5 -0.7 -1.5 -0.7 -1.5 -0.7 -1.5 -0.7 -1.5 -0.7 -0.7 -0.7 -0.7 -0.7 -0.7 -0.7 -0.7	1	8 28 4 4 2 8 4 4 15 -15 -15 10 8 5 -7 10 8 5 -7 10 9 2 12 13 2 2 5 2 10 9 9 -12 3 15 15 16 13
MIS MSS Ameris MSC I Maria MSC I Maria MSC I Maria MSC I Maria Mice of Russia Mice of Ru	21.191 844 75.951 62.812 50.521 4.853 2.301 33.12 57.72 101.092 124.6 93.3 124.6 94.2 124.6 14.7 116.0 65.6 14.7 116.0 65.6 14.7 16.6 17.6 18.9 19.2 19.2 19.2 19.2 19.2 19.2 19.2 19	0.8 0.8 0.1 0.8 0.9 0.5 0.2 0.7 1.0 0.5 0.2 1.3 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.8 2.0 -0.2 -0.2 -0.7 -1.0 -0.3 -0.8 -0.7 -1.0 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1	1 8 0 0 3 1 1 -2 3 3 3 0 2 1 1 7 7 8 4 4 3 3 5 5 3 4 6 6 2 2 1 1 1 3 9 1 1 8 0 0 1 1 -1 1 -2 1 3 3 4 5 5	8 28 4 4 2 8 4 4 155 33 188 2 9 9 100 8 5 -7 100 8 12 2 100 9 1 12 13 3 15 15 16 13 3 3 3 3 4
MIS MSC Alberts MSC I Laters MS	21.191 844 75,951 62,812 50,521 4,853 2,91 19,926 11,926 12,46 93,213 67,6 24,8 46,0 21,5 116,6 24,8 46,0 21,7 116,6 116,6 116,7 116,6 116,7 1	0.8 -0.1 0.8 -0.1 0.8 -0.1 0.9 -0.5 0.2 0.7 1.0 -0.5 -0.2 -1.3 0.1 0.1 -0.2 -0.1 0.2 -0.1 0.2 -0.1 0.2 -0.1 0.2 -0.1 0.2 -0.1 0.2 -0.1 0.2 -0.1 0.2 -0.1 0.2 -0.1 0.3 0.4 -0.1 0.2 -0.3 -0.1 0.3 -0.1 0.2 -0.1 0.3 -0.1 0.3 -0.1 0.2 -0.1 0.3 -0.1 0.4	0.8 2.0 -0.2 -0.7 -0.8 -0.6 -0.5 -1.0 -0.5 -1.0 -0.5 -1.0 -0.5 -1.0 -0.1 -0.6 -0.5 -1.0 -0.7 -0.1 -0.6 -0.7 -0.7 -0.7 -0.7 -0.7 -0.7 -0.7 -0.7	1 8 0 0 3 3 1 1 2 2 3 3 3 0 2 2 1 1 5 5 3 4 4 6 6 2 1 1 3 3 9 9 1 8 8 0 0 1 6 1 1 2 2 1 1 3 3 4 5 5 0 0	8 28 4 4 2 2 8 4 4 15 5 -15 33 31 8 8 2 9 9 YID 6 10 10 10 10 10 10 10 10 10 10 10 10 10
MIS SES Alberts MSC Letters M	21.191 844 75.991 847 75.991 80.191 8	0.8 0.8 0.9 0.1 0.8 0.9 0.5 0.5 0.5 0.5 0.6 0.5 0.6 0.5 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	0.8 2.0 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.3 -0.5 -1.0 -0.5 -0.5 -1.0 -0.5 -1.	1 8 0 0 3 1 1 -2 2 3 3 3 0 2 2 1 1 1 2 2 1 1 1 3 3 4 5 5 0 8 8	8 28 4 4 2 2 8 4 4 15 5 33 318 8 2 9 9 YTD0 8 5 7 7 100 8 5 7 7 100 2 12 13 2 2 100 9 15 15 16 13 3 30 34 10 12
MIS SEC Allerins " MSC Lataria" MS	21.191 844 75.991 847 75.991 80.191 8	0.8 -0.1 0.8 -0.1 0.8 -0.1 0.9 -0.5 0.2 0.7 1.0 -0.5 -0.2 -1.3 0.1 0.1 -0.2 -0.1 0.2 -0.1 0.2 -0.1 0.2 -0.1 0.2 -0.1 0.2 -0.1 0.2 -0.1 0.2 -0.1 0.2 -0.1 0.2 -0.1 0.3 0.4 -0.1 0.2 -0.3 -0.1 0.3 -0.1 0.2 -0.1 0.3 -0.1 0.3 -0.1 0.2 -0.1 0.3 -0.1 0.4	0.8 2.0 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2	1 8 0 0 3 3 1 1 2 2 3 3 3 0 2 2 1 1 5 5 3 4 4 6 6 2 1 1 3 3 9 9 1 8 8 0 0 1 6 1 1 2 2 1 1 3 3 4 5 5 0 0	8 28 4 4 2 2 8 4 4 15 5 -15 33 31 8 8 2 9 9 YID 6 10 10 10 10 10 10 10 10 10 10 10 10 10
MIS SES Alberts SES Alberts	2.1.931 844 75.951 847 75.951 850.573 850.573 818 82.233 82.64 82.65 83.673 84.65 850.673 850.673 860.	0.8 0.8 0.1 0.8 0.9 0.1 0.5 0.2 0.7 1.0 0.5 0.2 0.7 1.0 0.5 0.2 0.1 1.3 0.1 0.1 0.2 0.0 0.1 0.1 0.2 0.1 0.0 0.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0	0.8 2.0	1 8 0 0 3 1 1 -2 2 3 3 3 0 2 2 1 1 10 7 7 8 4 4 5 5 0 8 8 Monthly 1.6 0.6 6 8	8 8 28 8 4 1 2 8 4 4 15 5 15 16 13 30 3 4 10 12 Yearan 5 5
MIS SEC Alarins " MSC Lataria" " MSC	21.1911 844 75.95 844 75.95 847 848 848 849 848 849 848 848 849 848 848	0.8 0.8 0.1 0.8 0.9 0.1 0.5 0.2 0.7 0.5 0.2 0.7 0.5 0.2 0.7 0.5 0.0 0.5 0.0 0.5 0.0 0.5 0.0 0.0 0.0	0.8 2.0 -0.2 2.0 -0.2 2.0 -0.2 2.0 -0.2 2.0 -0.2 3.4 4.0 0.2 -0.4 -0.6 -0.4 -0.6 -0.4 -0.6 -0.6 -0.4 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6	1 8 0 0 3 1 1 -2 3 3 3 0 0 2 1 1 1 5 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1	8 8 28 8 4 4 2 8 4 4 4 15 5 5 7 10 0 8 5 7 7 10 0 4 4 19 9 2 2 5 5 15 16 6 13 3 30 0 34 4 10 0 12 Years 9
MIS SEC Alarins " MSC Lataria" " MSC	21.1911 844 75.95 844 75.95 845 845 845 845 846 847 847 847 847 847 847 847 847 847 847	0.8 0.8 0.0 0.8 0.9 0.1 0.5 0.2 0.7 1.0 0.5 0.2 0.7 1.0 0.5 0.2 0.7 1.0 0.5 0.2 0.6 0.6 0.6 0.7 0.0 0.7 0.0 0.7 0.0 0.7 0.0 0.7 0.0 0.7 0.0 0.0	0.8 2.0 -0.2 2.0 -0.2 2.0 -0.2 2.0 -0.2 2.0 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0	1 8 0 0 3 1 1 -2 3 3 3 0 0 2 1 1 Monthly 6 1 0 7 7 8 4 4 4 5 5 3 3 4 4 6 6 2 1 1 1 3 3 9 1 1 8 0 0 1 1 6 -1 1 3 3 4 5 5 0 8 Monthly 1 6 0 6 6 0 6 6 0 6 0 6 0 6 0 6 0 6 0 6	28 28 4 4 2 8 4 4 4 5 5 5 5 6 7 10 10 10 10 10 10 10 10 10 10 10 10 10
MIS SEA Amens SEA Amens MSC I Lattar MSC I Marker MSC I ME Exeque * Probated Misces Crussials Best 100 (*Clurkey) MSC I DM Asia MS	21.1911 844 75.91 847 75.91 14.87 848 14.87 848 14.87 848 849 12.301 12.66 67 67 67 67 67 67 67 67 67 67 67 67 6	0.8 0.8 0.9 0.8 0.9 0.9 0.5 0.2 0.7 1.0 0.5 0.2 0.7 1.0 0.5 0.2 0.7 1.0 0.5 0.2 0.6 0.7 0.5 0.7 0.7 0.0 0.7 0.7 0.0 0.7 0.7 0.7 0.7	0.8 2.0 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2	1 8 0 0 3 1 1 -2 3 3 3 0 2 1 1 0 5 6 10 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 28 4 4 2 8 4 4 15 5 33 318 2 9 9 110 8 5 7 7 100 8 5 5 7 100 9 10 10 10 10 10 10 10 10 10 10 10 10 10
MIS SEX Alleris MEX Alleris	21.1911 844 75.91 847 75.91 847 848 848 848 848 848 848 848 848 848	0.8 0.8 0.9 0.1 0.8 0.9 0.9 0.5 0.2 0.7 1.0 0.5 0.2 0.7 1.0 0.5 0.2 0.6 0.6 0.3 0.6 0.3 0.6 0.3 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	0.8 2.0 -0.2 2.0 -0.2 2.0 -0.2 2.0 -0.2 2.0 -0.7 0.8 0.6 -1.0 0.5 -0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	1 8 0 0 3 1 1 -2 3 3 3 3 0 10 0 10 10 10 10 10 10 10 10 10 10 10	28 28 4 2 8 4 4 2 8 8 4 4 5 5 15 6 15 6 15 6 15 6 15 6 15 6 1
MIS SEX Alterns MSC I Maria MSC I MS	21.991 844 75.991 844 75.991 845 845 846 847 8491 848 8491 8491 8491 8491 8491 8491	0.8 0.8 0.1 0.8 0.9 0.5 0.2 0.7 1.0 0.5 0.2 0.2 0.1 0.5 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.3 0.1 0.3 0.3 0.1 0.4 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.8 2.0 -0.2 2.0 -0.2 2.0 -0.2 2.0 -0.2 2.0 -0.2 2.0 6.0 -1.0 0.5 -0.5 -0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	1 8 0 0 3 1 1 -2 2 1 1 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	8 28 4 4 2 8 4 4 15 - 15 - 15 - 15 - 15 - 15 - 15 -
MIS SEX Alleris MSC I Marins MSC I MSC I Marins MSC I MSC	21.1911 844 75.91 847 75.91 848 849 849 849 849 849 849 849 849 849	0.8 0.8 0.9 0.8 0.9 0.9 0.5 0.2 0.7 1.0 0.5 0.2 0.1 0.5 0.2 0.1 0.6 0.0 0.7 0.7 0.6 0.0 0.7 0.7 0.7 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.8 2.0 -0.2 2.0 -0.2 2.0 -0.2 2.0 -0.2 2.0 -0.2 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	1 8 0 0 3 1 - 2 2 1 1 2 2 1 1 3 3 4 6 6 2 1 1 3 3 9 1 1 8 8 0 0 1 1 6 6 8 0 8 Monthly 1 6 0 8	8 28 4 4 2 8 4 4 15 5 15 16 16 13 3 3 15 16 6 6 6 6 1 1 3 3 16 4 5 5
MIS SEX Alleris SEX Alleris MSC Latta MSC MSC MSC MSC MSC MSC MSC MSC	21.1911 844 75.811 75.8	0.8 0.8 0.1 0.8 0.9 0.8 0.9 0.9 0.5 0.2 0.2 0.1 0.0 0.5 0.2 0.2 0.3 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.8 2.0 -0.2 -0.7 -0.8 -0.6 -1.0 -0.5 -0.5 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1	1 8 0 0 3 3 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	8 28 4 4 2 8 4 15 15 15 16 16 13 3 3 18 8 5 7 7 10 10 8 5 7 7 10 10 10 10 10 10 10 10 10 10 10 10 10
MIS SEX Alleris SEX Alleris MSC Latta MS	2.1.951 844 75.951 847 75.951 848 849 849 849 849 85 85 85 85 85 86 86 86 86 86 86 86 86 86 86 86 86 86	0.8 0.8 0.1 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.8 2.0 0.7 0.8 0.6 0.1 0.0 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	1 8 0 0 3 3 1 2 2 3 3 0 2 2 1 1 1 3 3 4 6 6 2 2 1 1 1 3 3 4 6 6 2 2 1 1 1 3 3 4 5 6 6 8 6 0 1 1 6 6 6 3 7 0 9 9 0 1 6 6 8 0 0 1 4 4 9 9 6 0 1 6 6 8 0 0 1 4 4 9 9 6 0 1 6 6 8 0 0 1 4 4 9 9 0 0 1 6 6 8 0 0 1 1 6 6 8 0 0 1 1 6 6 8 0 0 1 1 6 6 8 0 0 1 1 6 6 6 8 0 0 1 1 6 6 8 0 1 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6	8 8 28 8 4 4 2 8 8 15 -15 33 18 8 2 9 9 12 13 13 2 7 10 10 11 11 11 11 11 11 11 11 11 11 11
MIS SEA AMENS SEA AME	21.1911 844 75.951 844 75.951 847 848 849 14.883 849 14	0.8 0.8 0.1 0.8 0.9 0.8 0.9 0.9 0.9 0.5 0.7 0.0 0.5 0.7 0.0 0.5 0.1 0.0 0.5 0.0 0.7 0.0 0.0 0.7 0.0 0.0 0.0 0.0 0.0	0.8 2.0 0.7 0.8 0.6 0.1 0.0 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	1 8 0 0 3 3 3 3 0 2 2 1 1 1 1 2 2 1 1 1 2 2 1 1 1 1 3 3 4 4 5 5 0 8 8 Monthly 1.6 8 8 Monthly 1.6 8 1 2 2 1 1 1 1 3 3 4 4 5 5 0 8 8 Monthly 1.6 8 1 2 2 1 1 1 1 3 3 4 5 1 2 2 1 1 1 1 3 3 4 5 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 28 4 4 2 8 4 15 5 15 11 1 0 0 1 1 2 2 1 1 1 1 1 2 2 1 1 1 1
MIS SKS Alteris MSC I Maria Misc of Chair Misc	21.1911 844 75.954 844 75.954 847 848 849 849 849 849 849 849 849 849 849	0.8 0.8 0.1 0.8 0.1 0.8 0.9 0.9 0.9 0.7 0.0 0.5 0.7 0.0 0.5 0.7 0.0 0.5 0.7 0.0 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	0.8 2.0 0.7 0.6 0.5 1.10 0.8 0.8 0.8 0.7 1.4 1.0 0.8 0.8 0.7 1.4 1.0 0.8 0.5 1.4 1.0 0.8 0.5 1.4 1.0 0.8 0.5 1.4 1.0 0.8 0.7 1.0 0.8 0.7 1.0 0.8 0.7 1.0 0.8 0.7 1.0 0.8 0.7 1.0 0.8 0.7 1.0 0.8 0.8 0.7 1.0 0.8 0.8 0.7 1.0 0.8 0.8 0.8 0.7 1.0 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0	1 8 8 0 0 3 3 3 3 0 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 1 1 1 1	8 28 28 4 4 2 2 8 4 4 15 - 15 - 15 - 15 - 15 - 15 - 15 -
MIS SEX Allerins SEX Allerins SEX Allerins SEX	21.991 844 75.951 844 75.951 845 845 846 847 847 847 847 847 847 847 847 847 847	0.8 0.8 0.1 0.8 0.1 0.8 0.1 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.8	1 8 0 0 3 3 1 1 2 2 3 3 3 0 0 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 28 4 4 2 8 8 4 4 15 -15 33 31 8 8 2 9 9 9 9 9 9 12 2 12 13 13 30 15 15 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17
MISE SEA Amens MSC I Mars MSC I M	21.1911 844 75.915 844 75.915 847 848 849 848 849 849 849 849 849 849 849	0.8 0.8 0.1 0.8 0.1 0.8 0.9 0.9 0.9 0.9 0.7 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.8 2.0 0.7 0.6 0.5 1.10 0.8 0.8 0.8 0.7 1.4 1.0 0.8 0.8 0.7 1.4 1.0 0.8 0.5 1.4 1.0 0.8 0.5 1.4 1.0 0.8 0.5 1.4 1.0 0.8 0.7 1.0 0.8 0.7 1.0 0.8 0.7 1.0 0.8 0.7 1.0 0.8 0.7 1.0 0.8 0.7 1.0 0.8 0.8 0.7 1.0 0.8 0.8 0.7 1.0 0.8 0.8 0.8 0.7 1.0 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0	1 8 8 0 0 3 3 3 3 0 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 1 1 1 1	8 28 28 4 4 2 2 8 4 4 15 - 15 - 15 - 15 - 15 - 15 - 15 -
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Source: Bloomberg, Datastream and Haver

Source: Bloomberg, Datastream and Haver

* With one day delay

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