```
Department of
                                                                                                                                                                                                                                                                                                                                                                                                                                  Economics and Finance
ļ
ļ
                                                                                                    " #$%&' (!) *+, $!-#.!/01//!
                                                                                                   A8(%, 9; #!B*$&*!C*+#$*9, D!!E8&<!F.!A&91F9*'*!*'>!!C*$9#<!
                         i> '8' (i) | * (i) | *
                                                                                                    )#G*!
                                                                                                 ),$<&<3,':,D!-#'1E&',*$&3&,<!*'>!@3$8:38$*9!H$,*%<!
                                                                                                \&' !=8$\#+, *' !@3\#: \%!B*$\%, 3!I' >\&:, <!
                                                                                                    F+$\(\text{9}!\)JK/0!!
                                                                                                                                                                                                                                                                           233+455666.7$8', 9.*:.8%5, :#'#; &:<!
                                                                                                                                                                                         !
!
```

ij

!

"#\$%&%'#()#*!(+(,-&(#.\$&'&#%!.(/!%'\$0)'0\$.-!1\$#.2%!!
&(!#0\$+"#.(!%'+)2!3.\$2#'!&(/&)#%!

!

4 567897: ;! 3 <=8<!) <>;=<79*! 1=5?97! 0 ?8@9=A8BC! -;?D;?*! 0 ?8B9D! 2 8?6D;:!

- 58A!. E! 487, .7<?<*! 0 ?8@9=A8BC!; F! (<@<==<*!''<:>7;?<*!%><8?!

) <=7; A!''; G<*! 0 ?8@9=A8BC!H=<?I8AI;!D9! J8B;=8<*! 3 <D=8D*!%><8?!

!

.>=87!KLMN!!

!

. OAB = < IB!

!"#\$% &'&()% (*'+#, (\$% &()\$#\$-(,.(/% \$-)0.-0)'1% 2)('3\$%', 4%, 5,61#, (')#-#(\$% #,%-"(%.'\$(% 57% 7#8(% 90)5&(',% \$-5.3% +')3(-% #, 4#.(\$/%, '+(1:%-"(%;!<9=>>%?@AB/% CDEF>%?G()+',:B/% HDHI>%?;)',.(B/%JK9EFL%?<&'#,B%',4%;!<9%MJKI>%?J-'1:B/%O\$#,N%7)'.-#5,'1%#,-(N)'-#5,%+(-"54\$0%!"(% (+&#)#.'1%)(\$01-\$%&)58#4(%,5%(8#4(,.(%57%,5,61#,(')#-#(\$%#,%(#-"()%&)#.(\$%5)%)(-0),\$P%-"(%75)+()%')(%750,4%-5%(*"#2#-%0,#-%)55-\$%',4%-"(%1'--()%-5%2(%J?>B%#,%+5\$-%.'\$(\$0%;0)-"()/%2(-Q((,%R%',4%I% \$-)0.-0)'1% 2)('3\$%')(% 750,4% 75)%('."% 57% -"(%)(-0),%\$()#(\$/%',4% +(',%)(8()\$#5,% #,%\$5+(%\$02\$'+&1(\$0%%

%

ļ

29CP;=DAQ!

ME! &?B=;D5IB8;?%

ļ

57%', %'44#-#5, '1%` I>%2#11#5, %Q5)-"%57%.58()(4%25,4\$0%!"(%9HK%'1\$5\#,-)540.(4\#,\M':\R>=>\\#-\$\\
<(.0)\#-\(\frac{4}{M}\)'3(-\(\frac{4}{M}\)'5\)'++(\(\frac{4}{M}\)'+(\(\frac{4}{M}\)'-\(\frac{4}{M}\)', \\N-\"(\(\frac{4}{M}\)', \\N-\"(\frac{4}{M}

 $T5-()2''', 4\%U'Q)(, (\%?=]SaB\%750, 4\%-"'-\%851'-\#l\#-:\%\#\%5, 1:\%Q('31:\%\%)\#'11:\%.5))(1'-(4/\%\#+\&1:\#,N\%-"'-\%\%'5.3\%\%-5\%851'-\#l\#-:\%45\%, 5-\%&()$\#$-\frac{1}{2}, 4\frac{1}{2}, -\frac{1}{2}\frac{1}{$

J, % '%)(1'-(4%-04:/%G#16D1', '%?R>>aB%0\$(4%&')'+(-)#.%', 4%\$(+#6&')'+(-)#.%+(-"54\$%-5%-(\$-%75)%-"(%5)4()%57%5)4()%57%5)

\$-'-#5,')#-:\\#\\$\\750,4\\5,1:\\75)\\-"(\\&)\#.(\^4\\8\\4(,4\\)'-\#50\\\1\"(,\\-\"(\\.:.1\\.'1\\.5+&5,(,-\\\\\'1\\5\\

-"(%&)(\$(,-%&'&()

VEK! #:>8=8I<7!\$9A57BA!

W&?A9=B!'<079!V!<0;5B!S9=9Y%

W&?A9=B!'<079!Z!<0;5B!S9=9Y!

G#8(,%-"(%(8#4(,.(%

W&?A9=B! '<079A!\!,!N!<0;5B!S9=9Y!

1 "(,%0\$#,N%Q((31:%%

```
 \$9F9=9?19A! \\  K'\#\%b0\%', 4\%T0\%T())5, \%?R>>FB\%H5+\&0-'-\#5, \%', 4\%', '1: \$\#\%57\%+01-\#\&1(\%\$-)0.-0)'1\%.''', N(\%+54(1\$\%b50), '1\%57\%D\&\&1\#(4\%9.5,5+(-)\#.\$\%=5\%=6RR\% \\  K\#()(,\$\%V0b0\%?=]][B\%u!(\$-\#,N\%-''(\%@,\#-\%\55-\%Q\#-'\%C)\#7-\%V:\&5-''(\$\#\%'N'\#,\$-\%d5,1\#,(')\%!)(,4\%-'-\#5,')#-: \%Q\#-''\%', D&&1#.'-\#5, \%-5\%-''(\@0<0\%T)\#.(\%U(8(1\%',4\%J,-()(\$-\%\'-(\v/\%'()\*+,-''(.'')/0(+('!12*3045''S=\%R)6a10\% \\  K55-''\%G0P\A'(,\%;0\0\%',4\%A58(5\%T090\%?=]SRB\%T()\$\#$-(,-\C(&(,4(,.(\\#,\%G514\%T)\#.(\$0\\b50),'1\\57\\;\#,',.\\#'1\\\(\$(').''\%L\\%?=B\\SL6]F0\% \\  H'+&2(11\%b0\%_0\%',4\%<''\#11()\%\\0\\b50),'1\\S7\\T51\\##.'1\\9.5,5+:\\]L\\=>aR6=>SS0\\
```

' <079!ME! / 9AI=8>B8@9!%B <b8ab8ia!x! <87c!d<b<!<="" th=""></b8ab8ia!x!>						
%	d∜	M#,#+0+%	M'*#+0+%	M(',%	<-4%C(8#'-#5,%	D\$: +&%<#N0% ?R6-'#1(4B0% A51+5N5)586 <+#),58%!(\$-%
JK9EFL ZT9d%	R>LF%	L]L>/I>%	==[]S/L>%] I I a/I] %		

/0!

%

'<079!KE! / 9AI=8>B8@9!%B<B8AB8IA!X!] 99^7C!D<B<!

' <079!UE! / 9AI=8>B8@9!%B<B8AB8IA!X! 3 ; ?BS7C!D<B<!

M#,#+0+% M'*#+0+% M(',% <-40%C(8#'-#5,% PR6-'#1(4B0% A51+5N5)586 <+#),58%! (\$-\$\]

JK9EFL|ZT9d% =R=% a=>]/[>% ==]Sa/L>%]a>S/L[% =R>[/aS% >/=[a%

%

'<079!VQ!#AB8:<B9D!I;9FF8I89?BA!8?!<!?;?78?9<=!&_D`!:;D97!F;=!BS9!7;6!>=8I9A!A9=89A!

#B\\\M5,-'1:\\4'-'\\						
<()#(\$%	4%	p>₩	p=%	p _R \\\\ ? d UB\\	p _F %%?dUB%	
; \DdH9%	>0]>% ?>0[[/%%=0>[B%	aEMNKZ! _V[EZL^!	6>0=a>F\\ ?6=0LaB\\	>0>>]a% ?>0=aB%	>0>=FF% ?>0FFB%	
G9 \ MD d _%	>0]=% ?>0[[/%%=0=>B%	aEa\UV! _VUEV[`!	,LEKNZL! _,KEV\`!	6>0>IaF% ?6>0[>B%	6>0>=>L\\ ?6>0RFB\\	
J!DU_%	>0]>\\ ?>0[S/\\\=0=>B\\	NE\Ma\! VLEKU`!	6>0>IR]\\ ?6>0F>B\\	>0>I=F		

'<079!ZQ!#AB8:<B9D!I;9FF8I89?BA!8?!<!?;?78?9<=!&_D`!:;D97!F;=!BS9!=9B5=?!A9=89A!

#B\\\M5,-"1:\\4'-'\\

<()#(\$%

'<079![Q!(5:09=!;F!0=9<^A!8?!9<IS!A9=89A!5A8?6!487,.7<?<!_KLLa`!

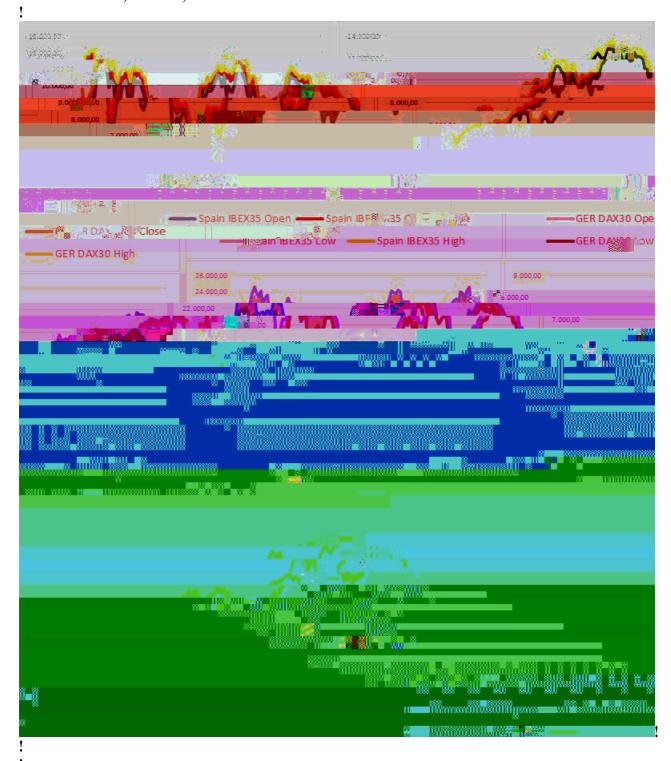
! '<079!\Q!#AB8: <B9A!;F!D!F;=!9<IS!I;5?B=C!<?D!9<IS!A5OA<:>79!P8BS!3+('b-c!D<B<!

H50,-):%	<02\$'+&1(\$%	d5%-()+\$%	D,\#,-().(&-\	D\1\frac{1}{4}(')\frac{1}{4}\
%	=\$-\\\$02\\$'+\&1(\\	>0]F\\\?>0[[/\=0=[B\\	LENU!!_LE\U*!MEKU`!	>0] I%%?>0[a/%=0RRB%
; \DdH9%	R,4%\$02\$+&1(%	>0]R%%?>0[R/%=0R=B%	LE[\!!_LEVK*!MELU`!	>0[=%%?>0I]/%=0>IB%
	F)4%\$02\$'+&1(%	>0SR\\\?>0IS/\=0RaB\\	LE\U!!_LEVU*!MEML`!	>0[R%%?>0IL/%=0==B%
%	=\$-\\\$02\\$'+&1(\\	>0]F\\\?>0[[/\=0=aB\\	>0SF\\\?>0a=/\=0=]B\\	LEaZ!!_LE[*!MEMa`!
$G9 \setminus MDd_{-}\%$	R,4%\$02\$+&1(%	>0]=%%?>0[>/%=0R=B%	LE\Z!!_LEVV*!MEKZ`!	>0S>%%?>0LR/%=0RIB%
	F)4\\\$02\\$'+\&1(\\	>0SI%%?>0LL/%=0RIB%	LENZ!!_LE\K*!MEUM`!	>0] I%%?>0[>/%=0F=B%

.>>9?D8I9A!

ļ

.>>9?D8d!ME! 3;?BS7C!AB;I^!8?D8I9A!



!

.>>9?D8d!UE! / <87C!AB; I^!8?D8I9A!

