



MASARYK UNIVERSITY  
Czech Republic



INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

WORKSHOP

# Bloomberg Terminal

PRAKTICKÉ UKÁZKY A NÁVODY

Martin Řezáč, Ondřej Pokora

Brno 8. ledna 2014

# SECF – Security Finder

akcie, opce, obligace, komodity, měnové kurzy,...

# SECF

Home Menu ▾ EUR-CZK X-RATE Curncy ▾ CANN ▾ Message ☆ ↻ 📄 ⚙️ ?

**SECF** <UP ARROW> to hide

**FUNCTIONS**

- SECF Security Finder
- Launchpad » Security Finder *SECF*
- XLTP Excel: Name To Ticker Convertor *SECF*
- BIO Richard Paolantonacci (**Secfinex** Ltd, Director)
- BIO David Escoffier (**Secfinex** Ltd, Former Director)
- BIO Alan Wood (**Secfinex** Ltd, Chairman)

*More Functions...*

**SECURITIES**

- SECF US Equity Security Financial Holding Co (U.S.)
- SEVFP Corp Suez Environnement Co (Multiple Matches) *(Suggestion)*
- SECFRSB CI Equity Fondo Mutuo Security First (Chile)
- SECFCZ CH Equity Shanghai Electric Group Finance Co Ltd
- SECF FP Equity Embout Conditionnement Faco (Euronext Paris)
- SECF4 Index S&P GSCI Exc Ret Crud Sw Jan14

*More Securities...*

**SEARCH**

*Search for 'SECF'...*

1) Contact the Help Desk  For questions about Bloomberg functionality

2) Contact the Tech Support team  For installation or IT related support

3) Contact Us  For all other inquiries

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S/N 876420-0 SID 3764580-1

**Bloomberg**

# SECF <Help> / <Search>

The screenshot shows a Bloomberg terminal window with a search results page for the query 'secf'. The window title bar includes 'Help & Customer Support Menu', 'EUR-CZK X-RATE Curncy', and 'HL'. A navigation bar at the top contains '150) Feedback', '151) Examples', 'Page 1/10', and 'Bloomberg Help Search'. A search bar at the top left contains the text '<HELP> for explanation, <MENU> for similar functions. <PageFwd> for More Results'. The main content area is divided into a left sidebar and a main results pane. The sidebar lists categories such as 'General', 'Companies', 'Functions', 'People', 'FAQs', 'Definitions', 'Documents', 'Excel Library', 'Data Fields', 'News', 'Law', 'Securities', 'Equities', 'Funds', 'Fixed Income', 'Currencies', 'Mtge Issuers', 'Muni Issuers', 'Commodities', 'Indices', 'Statistics', 'Economics', 'Contributors', 'Pricing', and 'Research', each with a corresponding count. The main results pane displays a list of search results, including 'Function SECF<Go> Security Finder', 'FAQ How to find a loan on SECF', 'Company Security Financial Holding Co (U.S.) SECF US Equity', and 'Function TK<Go> Ticker Symbol Look-Up'. Each result includes a brief description of the tool or function.

Help & Customer Support Menu | EUR-CZK X-RATE Curncy | HL | Message | ☆ | 🔄 | 📄 | ⚙️ | ?

<HELP> for explanation, <MENU> for similar functions.  
<PageFwd> for More Results

secf | 150) Feedback | 151) Examples | Page 1/10 | Bloomberg Help Search

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- 4) People 5
- 5) FAQs 1
- 6) Definitions
- 7) Documents 36
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- 10) News 11
- 11) Law
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- Contributors
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- 23) Research 6

41) Function SECF<Go> Security Finder  
SECF is a search tool that allows you to gain detailed access to Bloomberg's universe of securiti...

42) Help Page

51) FAQ How to find a loan on SECF  
On SECF <Go> , go to tab #32 "FI" then tab #42 "Loans". You may be able to find the loan by typing the borrower name or other loan details in the Amber field. Under column "Status", by ...

61) Company Security Financial Holding Co (U.S.) SECF US Equity  
Security Financial Holding Company is a unitary savings and loan holding company for security ...

62) All Secs (RELS)    63) Financial (FA)    64) MGMT (MGMT)    65) News (CN)

71) Launchpad Component Security Finder  
Security Finder is a search tool that allows you to gain detailed access to Bloomberg's universe of securities and statistics so you can find the right instrument faster. Security Finder returns up ...

81) Function TK<Go> Ticker Symbol Look-Up  
SECF is a search tool that allows you to gain detailed access to Bloomberg's universe of securiti...

82) Help Page

91) Function FXTF<Go> FX Ticker Finder  
Use FXTF to search for tickers for spots, forwards, swaps, volatilities, and interest rates for speci...

92) Help Page

# SECF -- fulltextové hledání, výběr typu cenného papíru

<HELP> for explanation, <MENU> for similar functions.

<Search> 90 Export Feedback 1-22 of 1000+ results Security Finder

Security	Description	Category	Sub-Category
1) IBM US Equity	International Business Machines Corp (U.S.)	Equities	Stocks
2) T Govt	United States Treasury Note/Bond (Multiple Matches)	Fixed Income	Govt
3) SPX Index	S&P 500 Index	Index/Stats	Equity Index
4) EUR Curncy	Euro Spot	Currencies	Spot and Cross
5) XAU Curncy	Gold Spot	Currencies	Spot and Cross
6) AAPL US Equity	Apple Inc (U.S.)	Equities	Stocks
7) JPY Curncy	Japanese Yen Spot	Currencies	Spot and Cross
8) CT10 Govt	Current United States 10 Year Government Note	Fixed Income	Govt
9) EURUSD Curncy	Euro / United States Dollar Cross	Currencies	Spot and Cross
10) FNR Mtge	Fannie Mae REMICS (Multiple Matches)	Mortgages	Residential Mort
11) NKY Index	Nikkei 225	Index/Stats	Equity Index
12) USGG10YR Index	US Generic Govt 10 Year Yield	Index/Stats	Other
13) FHR Mtge	Freddie Mac REMICS (Multiple Matches)	Mortgages	Residential Mort
14) VOD LN Equity	Vodafone Group PLC (London)	Equities	Stocks
15) INDU Index	Dow Jones Industrial Average	Index/Stats	Equity Index
16) SX5E Index	EURO STOXX 50 Price EUR	Index/Stats	Equity Index
17) GNR Mtge	Government National Mortgage Association (Multiple M	Mortgages	Residential Mort
18) FB US Equity	Facebook Inc (U.S.)	Equities	Stocks
19) GT10 Govt	Generic United States 10 Year Government Note	Fixed Income	Govt
20) BTPS Govt	Italy Buoni Poliennali Del Tesoro (Multiple Matches)	Fixed Income	Govt
21) AUD Curncy	Australian Dollar Spot	Currencies	Spot and Cross
22) DAX Index	Deutsche Borse AG German Stock Index DAX	Index/Stats	Equity Index

Zoom 100%

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2013 Bloomberg Finance L.P.  
 SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 15:10:12

# SECF

<HELP> for explanation.

<Search> 90 Export Feedback 1-20 of 10000+ results Security Finder

30 All 31 Eqty 32 FI 33 Mtge 34 Cmnty 35 Indx/Stats 36 FX 37 Funds

40 Stocks 41 ETFs 42 Warrants 43 Equity Futures 44 Equity Options 45 Index Options 46 Vols 47 Options on Equity Futur

50 Exclude no... 61 Column Settings

R	↑	Ticker	Company Name	Curr	Exchange	Country	Type	Trading Status	Price	Avg Vol 30D
						CZ				
1	▲	CEZ	CEZ AS	CZK	CP	CZ	Common Stock	Active	516.70	460.086k
2	▲	KOMB	Komerční Banka AS	CZK	CP	CZ	Common Stock	Active	4.32k	52.309k
3	▲	SPTT	Telefonica Czech Republic AS	CZK	CP	CZ	Common Stock	Active	293.00	392.64k
4	▲	FOREG	Fortuna Entertainment Group NV	CZK	CP	CZ	Common Stock	Active	118.60	44.317k
5	▲	PEGAS	Pegas Nonwovens SA	CZK	CP	CZ	Common Stock	Active	594.00	6.792k
6	▲	TABAK	Philip Morris CR AS	CZK	CP	CZ	Common Stock	Active	10.60k	866
7	▲	CEZ	CEZ AS	CZK	CK	CZ	Common Stock	Active	516.70	441.236k
8	▲	KOMB	Komerční Banka AS	CZK	CK	CZ	Common Stock	Active	4.32k	50.466k
9	▲	UNIP	Unipetrol AS	CZK	CP	CZ	Common Stock	Active	166.50	33.836k
10	▲	CEZ	CEZ AS	PLN	PW	CZ	Common Stock	Active	77.94	25.908k
11	▲	SPTT	Telefonica Czech Republic AS	CZK	CK	CZ	Common Stock	Active	293.00	367.471k
12	▲	TESLA	Tesla AS	CZK	CP	CZ	Common Stock	Delisted	N.A.	0
13	▲	FEG	Fortuna Entertainment Group NV	PLN	PW	CZ	Common Stock	Active	17.86	11.445k
14	▲	FOREG	Fortuna Entertainment Group NV	CZK	CK	CZ	Common Stock	Active	118.60	44.233k
15	▲	1040Z	Czech Republic	CZK	CP	CZ	Misc.	Unlisted	N.A.	0
16	▲	FORTUNA	Fortuna Entertainment Group NV	CZK	CP	CZ	Common Stock	Ticker Change	N.A.	0
17	▲	PEGAS	Pegas Nonwovens SA	CZK	CK	CZ	Common Stock	Active	594.00	6.784k
18	▲	1013Z	Česká Exportní Banka AS	CZK	CP	CZ	Private Securities		N.A.	
19	▲	CSOB	Československá Obchodní Banka AS	CZK	CP	CZ	Private Securities		N.A.	
20	▲	SVEG	Severomoravská Energetika AS	CZK	CP	CZ	Common Stock	Delisted	N.A.	0

Zoom 100%

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
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SECF -- v tabulce se lze pohybovat pomocí <PgUp> / <PgDn>, výběr cenného papíru kliknutím nebo zadáním čísla

<HELP> for explanation.

<Search> 90 Export Feedback 1-20 of 153 results Security Finder

30 All 31 Eqty 32 FI 33 Mtge 34 Cmddy 35 Indx/Stats 36 FX 37 Funds

40 Stocks 41 ETFs 42 Warrants 43 Equity Futures 44 Equity Options 45 Index Options 46 Vols 47 Options on Equity Future

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R	Ticker	Company Name	Curr	Exchange	Country	Type	Trading Status	Price	Avg Vol 30D
1	CEZ	CEZ AS	CZK	CP	CZ	Common Stock	Active	516.90	460.086k
2	KOMB	Komerční Banka AS	CZK	CP	CZ	Common Stock	Active	4.32k	52.309k
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4	FOREG	Fortuna Entertainment Group NV	CZK	CP	CZ	Common Stock	Active	118.60	44.317k
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6	TABAK	Philip Morris CR AS	CZK	CP	CZ	Common Stock	Active	10.60k	866
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8	KOMB	Komerční Banka AS	CZK	CK	CZ	Common Stock	Active	4.32k	50.466k
9	UNIP	Unipetrol AS	CZK	CP	CZ	Common Stock	Active	166.50	33.836k
10	CEZ	CEZ AS	PLN	PW	CZ	Common Stock	Active	77.94	25.908k
11	SPTT	Telefonica Czech Republic AS	CZK	CK	CZ	Common Stock	Active	293.00	367.471k
12	FEG	Fortuna Entertainment Group NV	PLN	PW	CZ	Common Stock	Active	17.86	11.445k
13	FOREG	Fortuna Entertainment Group NV	CZK	CK	CZ	Common Stock	Active	118.60	44.233k
14	PEGAS	Pegas Nonwovens SA	CZK	CK	CZ	Common Stock	Active	594.00	6.784k
15	UNIP	Unipetrol AS	CZK	CK	CZ	Common Stock	Active	166.50	32.531k
16	TECZ	Telefonica Czech Republic AS	USD	LI	CZ	Receipt	Active	14.25	40
17	CEZ	CEZ AS	EUR	GR	CZ	Common Stock	Active	18.82	1.436k
18	TBK	Philip Morris CR AS	EUR	GR	CZ	Common Stock	Active	380.29	53
19	TABAK	Philip Morris CR AS	CZK	CK	CZ	Common Stock	Active	10.60k	837
20	KMCA	Komerční Banka AS	USD	LI	CZ	Receipt	Active	76.20	2.777k

Zoom 100%

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# ČEZ – DES

CEZ CK CZK ↑ 517.00 - .80 K516.70 / 516.90K 937 x403  
 At 14:51 d Vol 209,637 0 525.00K H 525.00K L 516.10K Val 108.794M

CEZ CK Equity 98) Report 99) Feedback Page 1/4 Description: Profile  
 1) Profile 2) Issue Info 3) Ratios 4) Revenue & EPS

CEZ AS 6) Utility Networks (CCB)

CEZ generates electricity. The Company operates coal fired, hydroelectric, and nuclear power plants in the Czech Republic. CEZ distributes its electricity to regional electricity companies. [BBGID BBG000BL4M89]

## 7) Price Chart (GP)



Px/Chg 1D (CZK) 517/- .15%  
 52 Wk H (01/02/13) 687.8  
 52 Wk L (09/03/13) 421  
 YTD Change/% -163.00/-23.97%  
 Mkt Cap (CZK) 278,140.7M  
 Shrs Out 538.0M

No short interest information available from exchange.

## 8) Earn (ERN) 9) Est (EE)

Date (E) 02/28/14  
 P/E 6.98  
 Est P/E 12/13 7.39  
 T12M EPS (CZK) 74.03  
 Est EPS 69.93  
 Est PEG N.A.

10) EU SSR Liquid (SSR)  
 11) Dividend (DVD)  
 Ind Gross Yield 7.74%  
 5Y Net Growth  
 Cash 06/21/13 40.00

Round Lot 1

## 12) Corporate Info

13) www.cez.cz  
 Praha 4, Czech Republic  
 Empls 31,272 (12/31/12)  
 14) Management (MGMT)  
 15) Daniel Benes  
 Chairman-Mgmt Board/CEO/COO  
 16) Martin Novak  
 Deputy Chairman/CFO  
 17) Tomas Pleskac  
 Member-Mgmt Board  
 18) 12M Total Ret (TRA) -15.12%  
 Beta vs PX 0.84

20) Depository Receipts  
 Active Receipts 1



# OWN – vlastníci

CEZ CK CZK ↑ 517.00 - .80 K516.70 / 516.90K 937 x496  
 At 14:51 d Vol 209,637 0 525.00K H 525.00K L 516.10K Val 108.794M

CEZ CK Equity 25) Settings 99) Feedback Holdings: Current  
 CEZ AS ISIN CZ0005112300

1) Current 2) Historical 3) Matrix 4) Ownership 5) Transactions 6) Options

Search Name -- 21) Save 22) Delete 23) Saved Searches 24) Refine Search  
 Text Search Holder Group All Holders 20 Export

	Holder Name	Portfolio Name	Source	Opt	Amt Held	% Out	Latest Chg	File Dt
			All Sources	All				
1	MINISTRY OF FINANCE CZ REP	n/a	Co File		375,516,885	69.80	0	03/31/13
2	VANGUARD GROUP INC	n/a	ULT-AGG		4,598,643	0.85	-84,473	10/31/13
1	BLACKROCK	n/a	ULT-AGG		4,486,544	0.83	-394,841	12/17/13
4	NORGES BANK	Multiple Portfolios	MF-AGG		4,332,617	0.81	0	12/31/12
5	GRANTHAM MAYO VAN OTTERLO	Multiple Portfolios	MF-AGG		4,187,528	0.78	2,018,861	05/31/13
6	CESKE ENERGETICKE ZAVODY	n/a	Research		3,875,021	0.72	0	12/31/12
1	CAPITAL GROUP COMPANIES IN	n/a	ULT-AGG		2,523,163	0.47	-5,634,304	09/30/13
8	BANK OF NEW YORK MELLON CO	Multiple Portfolios	MF-AGG		2,175,137	0.40	-27,312	12/18/13
9	ING INTERNATIONAL ADVISORY	Multiple Portfolios	MF-AGG		1,679,803	0.31	90,000	07/31/13
1	EATON VANCE MANAGEMENT	Multiple Portfolios	MF-AGG		1,666,830	0.31	60,800	08/31/13
11	STATE STREET CORP	n/a	ULT-AGG		1,557,194	0.29	45,344	12/18/13
1	PICTET FUNDS	n/a	ULT-AGG		1,431,903	0.27	220,571	09/30/13
11	MASSACHUSETTS FINANCIAL SE	Multiple Portfolios	MF-AGG		1,207,335	0.22	-152,903	09/30/13
11	AVIVA OFE	Multiple Portfolios	MF-AGG		917,032	0.17	0	12/31/12
1	SEB	n/a	ULT-AGG		830,445	0.15	-20,655	09/30/13
16	INVESCO LTD	n/a	ULT-AGG		819,369	0.15	0	12/18/13
1	SCHRODERS PLC	n/a	ULT-AGG		784,374	0.15	230,147	09/30/13
8	DIMENSIONAL FUND ADVISORS	Multiple Portfolios	MF-AGG		754,085	0.14	139,423	08/31/13

% Out 79.69 Short Interest % Out n/a Zoom 100%

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ČEZ – summary v PDF

CEZ AS Company Summary

# SECF

<HELP> for explanation.

<Search> 90) Export Feedback 1-20 of 10000+ results Security Finder

30) All 31) Eqty 32) FI 33) Mtge 34) Cmnty 35) Indx/Stats 36) FX 37) Funds

40) Stocks 41) ETFs 42) Warrants 43) Equity Futures 44) Equity Options 45) Index Options 46) Vols 47) Options on Equity Futur

60) Exclude no... 61) Column Settings

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4	▲	FOREG	Fortuna Entertainment Group NV	CZK	CP	CZ	Common Stock	Active	118.60	44.317k
5	▲	PEGAS	Pegas Nonwovens SA	CZK	CP	CZ	Common Stock	Active	594.00	6.792k
6	▲	TABAK	Philip Morris CR AS	CZK	CP	CZ	Common Stock	Active	10.58k	866
7	▲	CEZ	CEZ AS	CZK	CK	CZ	Common Stock	Active	516.20	441.236k
8	▲	KOMB	Komerčni Banka AS	CZK	CK	CZ	Common Stock	Active	4.32k	50.466k
9	▲	UNIP	Unipetrol AS	CZK	CP	CZ	Common Stock	Active	166.50	33.836k
10	▲	CEZ	CEZ AS	PLN	PW	CZ	Common Stock	Active	77.94	25.908k
11	▲	SPTT	Telefonica Czech Republic AS	CZK	CK	CZ	Common Stock	Active	292.80	367.471k
12	▲	TESLA	Tesla AS	CZK	CP	CZ	Common Stock	Delisted	N.A.	0
13	▲	FEQ	Fortuna Entertainment Group NV	PLN	PW	CZ	Common Stock	Active	17.86	11.445k
14	▲	FOREG	Fortuna Entertainment Group NV	CZK	CK	CZ	Common Stock	Active	118.60	44.233k
15	▲	1040Z	Czech Republic	CZK	CP	CZ	Misc.	Unlisted	N.A.	0
16	▲	FORTUNA	Fortuna Entertainment Group NV	CZK	CP	CZ	Common Stock	Ticker Change	N.A.	0
17	▲	PEGAS	Pegas Nonwovens SA	CZK	CK	CZ	Common Stock	Active	594.00	6.784k
18	▲	1013Z	Česká Exportní Banka AS	CZK	CP	CZ	Private Securities		N.A.	
19	▲	CSOB	Československá Obchodní Banka AS	CZK	CP	CZ	Private Securities		N.A.	
20	▲	SVEG	Severomoravská Energetika AS	CZK	CP	CZ	Common Stock	Delisted	N.A.	0

Zoom 100%

# Telefonica

Analyze Equity Security Menu ▾ TELEFONICA CZECH Equity ▾ SECF ▾ Message ☆ ↻ 📄 ⚙️ ?

SPTT CP CZK ↑ 292.80 +.10 P292.10 / 292.80K 4069 x2221  
 At 15:27 d Vol 203,921 0 293.90K H 293.90K L 292.10K Val 59.69M

Home > Equities > Analyze TELEFONICA CZECH Equity <Cancel> X

- 1) Company Overview >
- 2) **DES** Security Description
- 3) CF Company Filings
- 4) CN Company News
- 5) Company Analysis >
- 6) FA Financial Analysis
- 7) **OWN** Ownership Summary
- 8) SPLC Supply Chain Analysis
- 9) CRPR Credit Rating Profile
- 10) Research & Estimates >
- 11) EE Earnings & Estimates
- 12) BRC Research
- 13) Comparative Analytics >
- 14) RV Comparables Analysis
- 15) EQRV Equity Relative Value Analysis
- 16) Charting & Reporting >
- 17) **GP** Historical Line Chart
- 18) GF Graph Fundamentals
- 19) EQR Equity Report Writer
- 20) Security Surveillance >
- 21) EVT Company Events
- 22) BQ Bloomberg Quote
- 23) Trade Analytics >
- 24) IOIA IOI & Advert Overview
- 25) MDM Market Depth Monitor
- 26) VWAP Price and Volume Dashboard
- 27) RANK Broker Rankings
- 28) TP Trading Performance
- 29) Derivatives >
- 30) OMON Option Monitor

Security Finder

Options on Equity Future

61) Column Settings

s	Price	Avg Vol 30D
516.20	460.086k	
4.32k	52.309k	
292.80	392.64k	
118.60	44.317k	
594.00	6.792k	
10.58k	866	
516.20	441.236k	
4.32k	50.466k	
166.50	33.836k	
77.94	25.908k	
292.80	367.471k	
N.A.	0	
17.86	11.445k	
118.60	44.233k	
N.A.	0	
N.A.	0	
594.00	6.784k	
N.A.		
N.A.		
N.A.	0	

+ 100%

# DES

SPTT CP CZK **↑ 293.00 +.30** P292.50 / 293.00P 1418 x 925  
 At 14:56 d Vol 170,489 0 293.90K H 293.90K L 292.10K Val 49.91M

SPTT CP Equity **98) Report** **99) Feedback** Page 1/4 Description: Profile  
 1) Profile 2) Issue Info 3) Ratios 4) Revenue & EPS

## TELEFONICA CZECH REPUBLIC AS

Telefonica Czech Republic a.s. is a leading integrated operator in the Czech Republic and Slovakia, with eight million fixed and mobile lines. The company offers the most comprehensive portfolio of voice and data services in the country and is a notable provider of ICT services. [BBGID BBG000C1BL13]

## 6) Telecom Carriers (CCB)

### 7) Price Chart (GP)



Px/Chg 1D (CZK) 293/+1%  
 52 Wk H (10/15/13) 334.5  
 52 Wk L (07/09/13) 242.83  
 YTD Change/% -19.824/-6.34%  
 Mkt Cap (CZK) 94,372.4M  
 Shrs Out 322.1M  
 No short interest information available from exchange.

### 8) Earn (ERN) 9) Est (EE)

Date (E) 02/27/14  
 P/E 17.16  
 Est P/E 12/13 16.43  
 T12M EPS (CZK) 17.08  
 Est EPS 17.83  
 Est PEG 32.87

### 10) EU SSR Liquid (SSR)

11) Dividend (DVD)  
 Ind Gross Yield 6.83%  
 5Y Net Growth -9.71%  
 Cash 10/10/13 20.00

Round Lot 1

### 12) Corporate Info

13) [www.o2.cz](http://www.o2.cz)  
 Praha 4, Czech Republic  
 Empls 5,622 (09/30/13)  
 14) Management (MGMT)  
 15) Luis Antonio Malvido  
 Chairman-Mgmt Board/CEO  
 16) David Melcon Sanchez-Friera  
 1st Vice Chairman/Dir:Finance  
 17) Jesus Perez De Uriguen  
 1st Vice Chairman-Mgmt Bd/VP  
 18) 12M Total Ret (TRA) -0.03%  
 Beta vs PX 0.66  
 20) Depository Receipts  
 Active Receipts 5

# GP – graf



# CN – zprávy

SPTT CP CZK **↑ 293.00 +.30**  K292.50 / 293.00K 1992x905  
At 14:58 d Vol 170,609 0 293.90K H 293.90K L 292.10K Val 49.94M

96) New Search 97) Actions 98) Settings Feedback Page 1 News

Topics **Telefonica Czech Republic AS** Top Popular All  
My News <Narrow Search> Sources My Sources Lang My 12/19/13 Sort By Time  
Securities  
Search  
Telefonica Cz  
Ticker Lists  
BBUEX - BBG  
PX50  
UKX  
+Customize  
Recent  
Czech Koruna  
CZARNEWS  
CZPPNEWS  
CEZ AS  
In the News  
Facebook Inc  
Darden Restau  
Apple Inc  
Cobalt Interna  
People  
Sources

- 1) Telecom Paper: CTU runs consultation on market 1 analysis NS5 09:36
- 2) PPF's EU2.3b Telefonica Czech Loan May Be >90% Koruna BFW 12/16
- 3) [Delayed] Telefonica Czech Rep TECZ Press Release Telefonica... RNS 12/13
- 4) \*TELEFONICA SLOVAKIA TO DISTRIBUTE PROFITS TO AMOUNT OF EU... BN 12/13
- 5) \*TELEFONICA SLOVAKIA, S.R.O. WILL DISTRIBUTE PROFITS BN 12/13
- 6) Czech Party Wants Higher Company Tax in 2015: Hospodarske Novi... BFW 12/12
- 7) Telefonica Czech Republic as Has Changed Elliott Wave Count RCG 12/11
- 8) TFAOF US: OTC Short Positions on 2013/11/29 9,532 0 CMN 12/11
- 9) Czech Parties in Coalition Talks Mull Special Bank Tax: Sobotka BFW 12/08
- 10) Czech Parties' Coalition Talks Break Down Amid Dispute Over Tax BFW 12/07
- 11) [Delayed] CEEMEA Telecom and Internet Q3 13 results wrap: Q3 1... JPM 12/06
- 12) Czech Social Democrats Can't Exclude Special Corporate Taxes BFW 12/05
- 13) Czech Telco Watchdog Files Complaint Against Telefonica BFW 12/04
- 14) TFAOF US: OTC Short Positions on 2013/11/15 9,532 -10,400 CMN 12/04
- 15) [Delayed] CEEMEA Telecom and Internet Q3 13 results wrap: Q3 1... JPM 12/03
- 16) Czech Daybook: Central Bank Publishes October Money Supply Data BFW 11/29
- 17) Czech Equity Movers: Central European Media, New World Resources BFW 11/28
- 18) Malvido to Remain as CEO of Telefonica Czech Next Year: HN BFW 11/28
- 19) Czech Equity Movers: Central European Media, CEZ, Telefonica BFW 11/27
- 20) TFAOF US: OTC Short Positions on 2013/11/15 9,532 -10,400 CMN 11/27

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2013 Bloomberg Finance L.P.  
SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 15:14:17

# Telefonica

Analyze Equity Security Menu TELEFONICA CZECH Equity SECF Message ☆ ↻ 📄 ⚙️ ?

SPTT CP CZK ↑ 292.80 +.10 P292.10 / 292.80K 4069 x 2221  
At 15:27 d Vol 203,921 O 293.90K H 293.90K L 292.10K Val 59.69M

Home > Equities > Analyze TELEFONICA CZECH Equity <Cancel> X

Security Finder

Options on Equity Future  
61) Column Settings

s	Price	Avg Vol 30D
	516.20	460.086k
	4.32k	52.309k
	292.80	392.64k
	118.60	44.317k
	594.00	6.792k
	10.58k	866
	516.20	441.236k
	4.32k	50.466k
	166.50	33.836k
	77.94	25.908k
	292.80	367.471k
	N.A.	0
	17.86	11.445k
	118.60	44.233k
	N.A.	0
	N.A.	0
	594.00	6.784k
	N.A.	
	N.A.	
	N.A.	0

- 1) Company Overview >
- 2) DES Security Description
- 3) CF Company Filings
- 4) CN Company News
- 5) Company Analysis >
- 6) FA Financial Analysis
- 7) OWN Ownership Summary
- 8) SPLC Supply Chain Analysis
- 9) CRPR Credit Rating Profile
- 10) Research & Estimates >
- 11) EE Earnings & Estimates
- 12) BRC Research
- 13) Comparative Analytics >
- 14) RV Comparables Analysis
- 15) EQRV Equity Relative Value Analysis
- 16) Charting & Reporting >
- 17) GP Historical Line Chart
- 18) GF Graph Fundamentals
- 19) EQR Equity Report Writer
- 20) Security Surveillance >
- 21) EVT Company Events
- 22) BQ Bloomberg Quote
- 23) Trade Analytics >
- 24) IOIA IOI & Advert Overview
- 25) MDM Market Depth Monitor
- 26) VWAP Price and Volume Dashboard
- 27) RANK Broker Rankings
- 28) TP Trading Performance
- 29) Derivatives >
- 30) OMON Option Monitor

+ 100%



# 29 – deriváty

Derivatives Menu TELEFONICA CZECH Equity SECF Message ☆ ↻ 📄 ⚙️ ?

SPTT CP CZK ↑ 292.80 +.10 P292.10 /292.80K 4069 x3192  
At 15:28 d Vol 203,981 0 293.90K H 293.90K L 292.10K Val 59.71M

Home > Equities > Analyze TELEFONICA CZECH Equity > Derivatives <Cancel> X

**Futures & Options**

- 1) OMON Option Monitor
- 2) CALL Call Options
- 3) PUT Put Options
- 4) CT Futures Contract Table
- 5) WMON Warrant Monitor
- 6) OTD Option Description

**OTC Pricing & Structuring**

- 7) OVME Equity and Index Option Valuation
- 8) OVM Option volatility Matrix
- 9) OPDF Equity Option Settings Screen
- 10) CWS Covered Write Scan
- 11) EOPT Executive Option Analysis
- 12) ELN Equity Link Notes

**Volatilities & Dividends**

- 13) GV Graph Volatility
- 14) OVDV Option Volatility Surface

15) BDVD Bloomberg Dividend Forecasts  
16) BEVL Break-Even Volatility Surface  
17) VCMP Volatility Comparison Chart

**Security Finder**

Options on Equity Future

61) Column Settings

s	Price	Avg Vol 30D
	516.20	460.086k
	4.32k	52.309k
	292.80	392.64k
	118.60	44.317k
	594.00	6.792k
	10.58k	866
	516.20	441.236k
	4.32k	50.466k
	166.50	33.836k
	77.94	25.908k
	292.80	367.471k
	N.A.	0
	17.86	11.445k
	118.60	44.233k
	N.A.	0
	N.A.	0
	594.00	6.784k
	N.A.	
	N.A.	
	N.A.	0

+ 100%

# Telefonica – VCMP

<HELP> for explanation, <MENU> for similar functions.  
Enter all values and hit <Go>

95) Actions		96) Templates		97) Hide		98) Table		Volatility Comparison	
Period	Daily: 6M	Range	19-Jun-2013	-	19-Dec-2013	Ann. Factor	260	CUR	LCL
Security	Type	Lag			Security	Type	Lag		
<input checked="" type="checkbox"/> 1.	SPTT CP Equity	%Mny	MKT	100.0%	3M	0D			
<input checked="" type="checkbox"/> 2.	SPTT CP Equity	HVol		60	CLV	0D			
<input type="checkbox"/>	Spread(Absolute)								
<input type="checkbox"/> 3.	SPTT CP Equity	HVol		60	CLV	0D			
<input type="checkbox"/> 4.	SPTT CP Equity	%Mny	MKT	100.0%	3M	0D			
<input type="checkbox"/>	Spread(Absolute)								



# Bloomberg – export dat a grafů

Ukázka na PX indexu BCPP.

Stručný popis exportu dat/grafů z Terminálu Bloomberg do OpenOffice/LibreOffice Calc a následně do R, ukládání uživatelských grafů

Pro zvolený cenný papír si zobrazíme graf (GP),  
 příp. přepneme na tabulku (98 Table / 98 Chart)



# Příkaz 96 Actions – práce s uloženými grafy, volba 1 – seznam grafů (G), 4 – export

<HELP> for explanation.  
<Menu> to Close

PX Index 95) Save As 96) Actions 97) Edit 98) Chart Line Chart  
01/07/2013 - 01/06/2014 Last Price Line 1) Compare Mov. Avgs Volume CZK  
Prague Stock Exchange Index Last Price 994.19 +.86 +.09%

1D 3D 1M 6M YTD 1Y 5Y Max Daily Security/Study Event

	Date	Last Price	Volume	SMAVG (15)
M	01/06/2014		0	1.389M
F	01/03/2014		0.626M	1.527M
T	01/02/2014		0.763M	1.600M
M	12/30/2013		0.970M	1.614M
F	12/27/2013		1.030M	1.633M
M	12/23/2013		1.301M	1.679M
F	12/20/2013		2.857M	1.678M
T	12/19/2013		1.238M	1.542M
W	12/18/2013		1.654M	1.500M
T	12/17/2013		1.134M	1.477M
M	12/16/2013		2.177M	1.530M
F	12/13/2013	955.78	2.270M	1.435M
T	12/12/2013	966.43	1.815M	1.363M
W	12/11/2013	977.97	1.220M	1.300M
T	12/10/2013	971.79	1.776M	1.318M
M	12/09/2013	972.47	2.076M	1.298M

ACTIONS

- 1) Chart Library (G)
- 2) Load a Saved Draft
- 3) Save and Share
- 4) Export >
- 5) Print
- 6) Feedback
- 7) Play Tutorial Video

Close

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Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2014 Bloomberg Finance L.P.  
SN 876420 CET GMT+1:00 H441-1744-0 06-Jan-2014 09:37:46

# Index PX – přidání grafu do knihovny



# G – knihovna grafů

<HELP> for explanation.  
1<Go> to Create New Chart

1) Create Chart   2) Actions   3) Bulk Mode   4) Feedback   Page 1/1   Chart Library

View	G	Chart Title	Type	Last Viewed	Sec Cnt	Period	Tags		
11) My Charts									
12) Shared Charts	31) G 2	Daily Bar Chart w/Volume	Standard	N.A.	1	Daily		/	☆
Tags	32) G 3	3-Day Tick Chart	Standard	N.A.	1	Tick		/	☆
<Create New Tag>	33) G 4	Multiple Security Hist	Standard	N.A.	4	Daily		/	☆
71) All Charts	34) G 5	Volatility vs. S&P, Oil,	Standard	N.A.	4	Tick		/	☆
72) Untagged	35) G 6	AAPL MSFT Spread	Spread	N.A.	2	Daily		/	☆
	36) G 7	S&P 500 Seasonality	Seasonal	N.A.	1	Daily		/	☆
	37) G 8	Bar Chart	Standard	11/21/2013	1	Daily		/	☆
	38) G 9	Correlation	Standard	12/20/2013	2	Daily		/	☆

Resources

Australia 61 2 9777 8600   Brazil 5511 3048 4500   Europe 44 20 7330 7500   Germany 49 69 9204 1210   Hong Kong 852 2977 6000  
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SN 876420 CET   GMT+1:00 H441-1744-0 06-Jan-2014 09:45:47

# G – knihovna grafů

<HELP> for explanation.

## Chart Style

Chart Wizard

Step 1/4

### 3) Standard G Chart

Displays one or more securities or data series and studies and events.

### 4) Spread Charts

Displays the data series for two securities, and the spread between them.

### 5) Seasonality

Displays the same date range for up to ten years for a single security.

### 6) Scrolling Tick or Kase Bar

Display a scrolling chart showing every tick or a Kase Bar chart with range OHLC bars.

### 7) Point and Figure Chart

Displays single security data as a Point and Figure chart.

### 8) Scatter Graph

Displays the data for a collection of securities as a scatter chart.



OR

### 9) Sample Charts

Displays sample charts, which can be copied to your list of G charts.

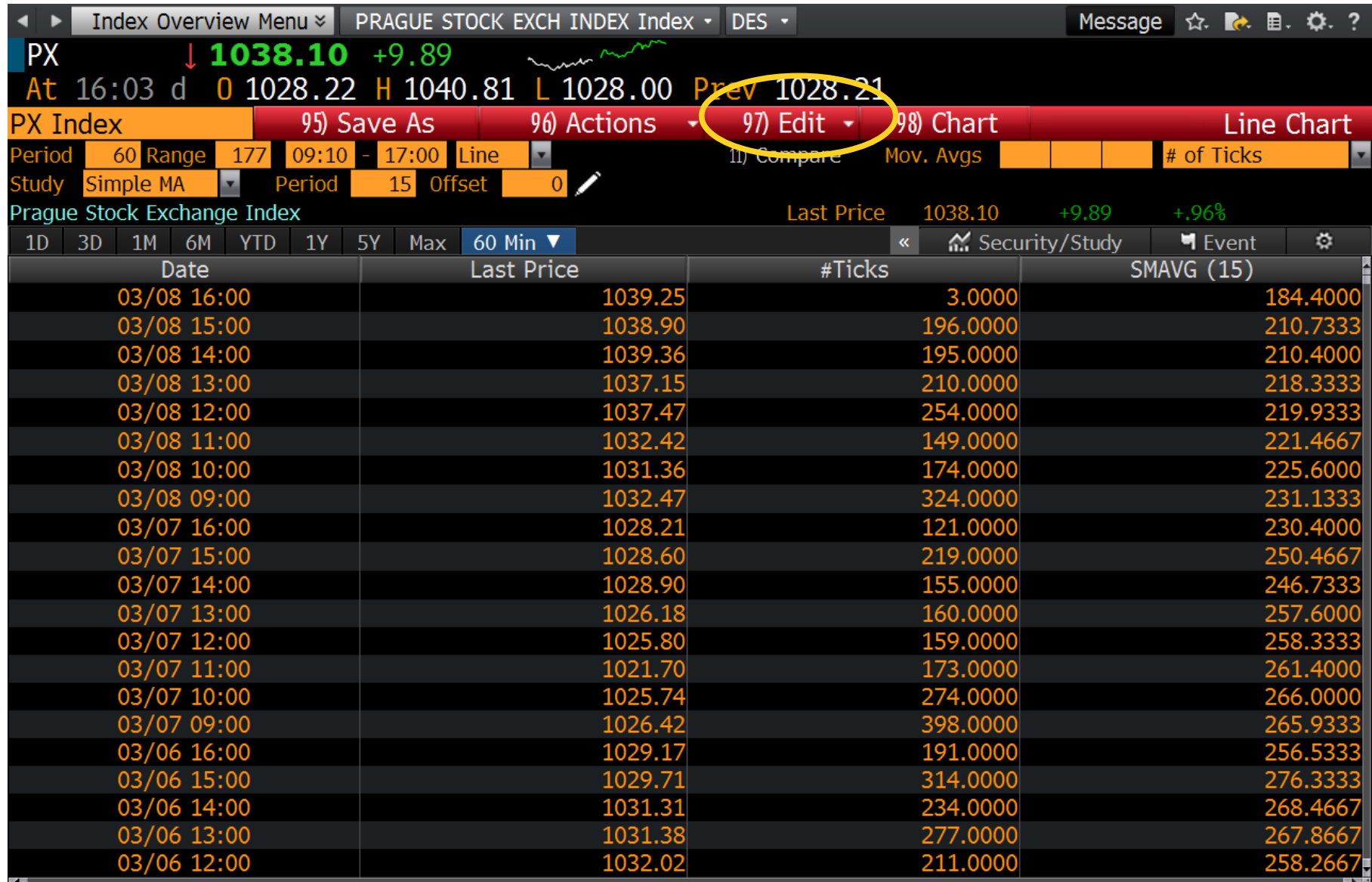
Close

1) Next >

2) Finish



# Zvolíme 97 Edit



# Volba 4 – zkopírujeme data do schránky, analogicky lze kopírovat i obrázky

<HELP> for explanation.

PX Index 95) Save As 96) Actions 97) Edit 98) Chart Line Chart

01/07/2013 - 01/06/2014 Last Price Line 1) Compare Mov. Avgs Volume CZK

Prague Stock Exchange Index Last Price 994.08 +.75 +.08%

1D 3D 1M 6M YTD 1Y 5Y Max Daily Security/Study Event

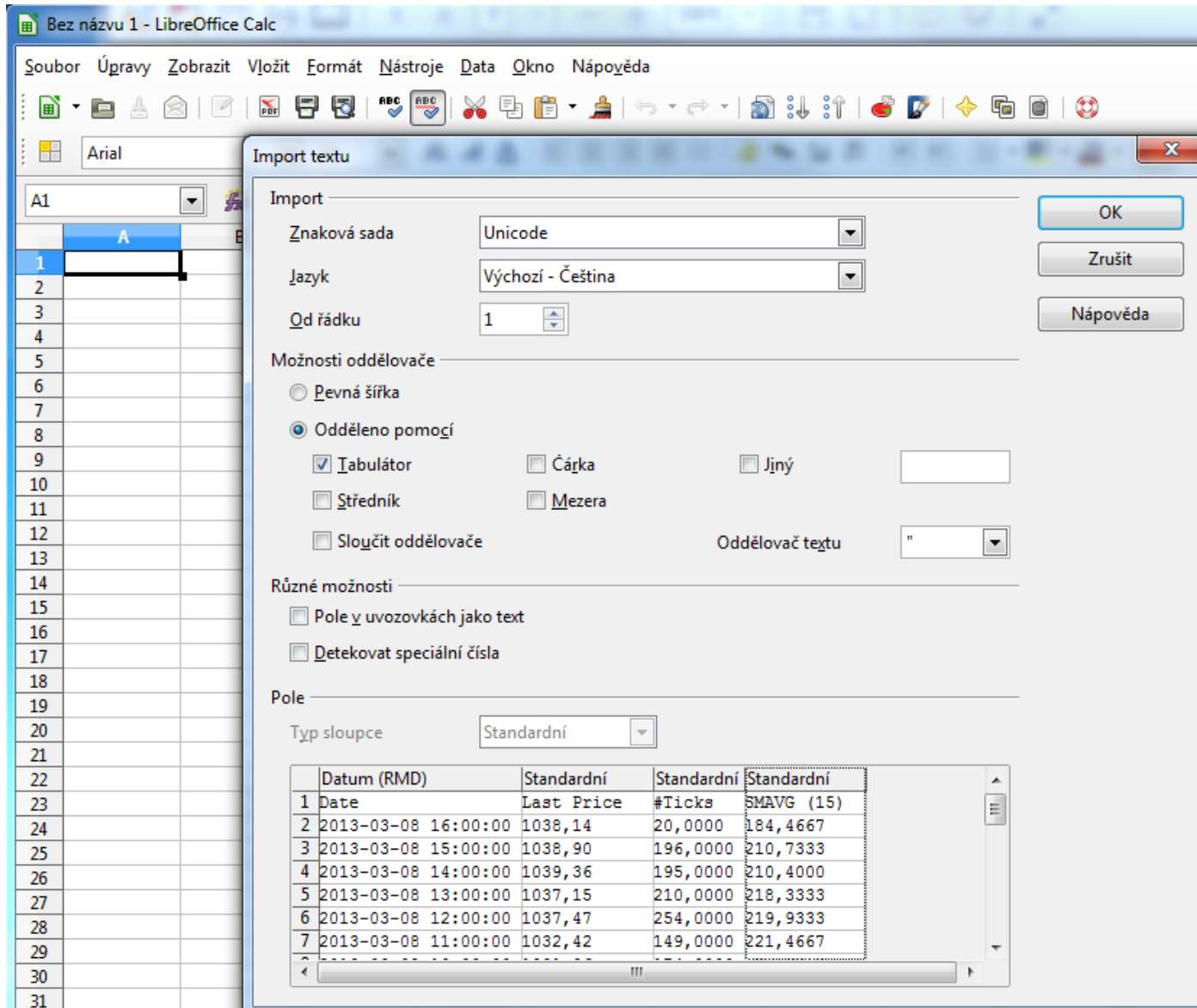
	Date	Last Price	Volume	SMAVG (15)
M	01/06/2014	994.54	0	1.389M
F	01/03/2014		0.626M	1.527M
T	01/02/2014		0.763M	1.600M
M	12/30/2013		0.970M	1.614M
F	12/27/2013		1.030M	1.633M
M	12/23/2013		1.301M	1.679M
F	12/20/2013		2.857M	1.678M
T	12/19/2013		1.238M	1.542M
W	12/18/2013		1.654M	1.500M
T	12/17/2013		1.134M	1.477M
M	12/16/2013	966.26	2.177M	1.530M
F	12/13/2013	955.78	2.270M	1.435M
T	12/12/2013	966.43	1.815M	1.363M
W	12/11/2013	977.97	1.220M	1.300M
T	12/10/2013	971.79	1.776M	1.318M
M	12/09/2013	972.47	2.076M	1.298M

1) Securities & Data...  
2) Normalization...  
3) Date Range...  
4) Copy Data to Clipboard  
5) Copy Image to Clipboard  
6) Chart Defaults (TDEF)

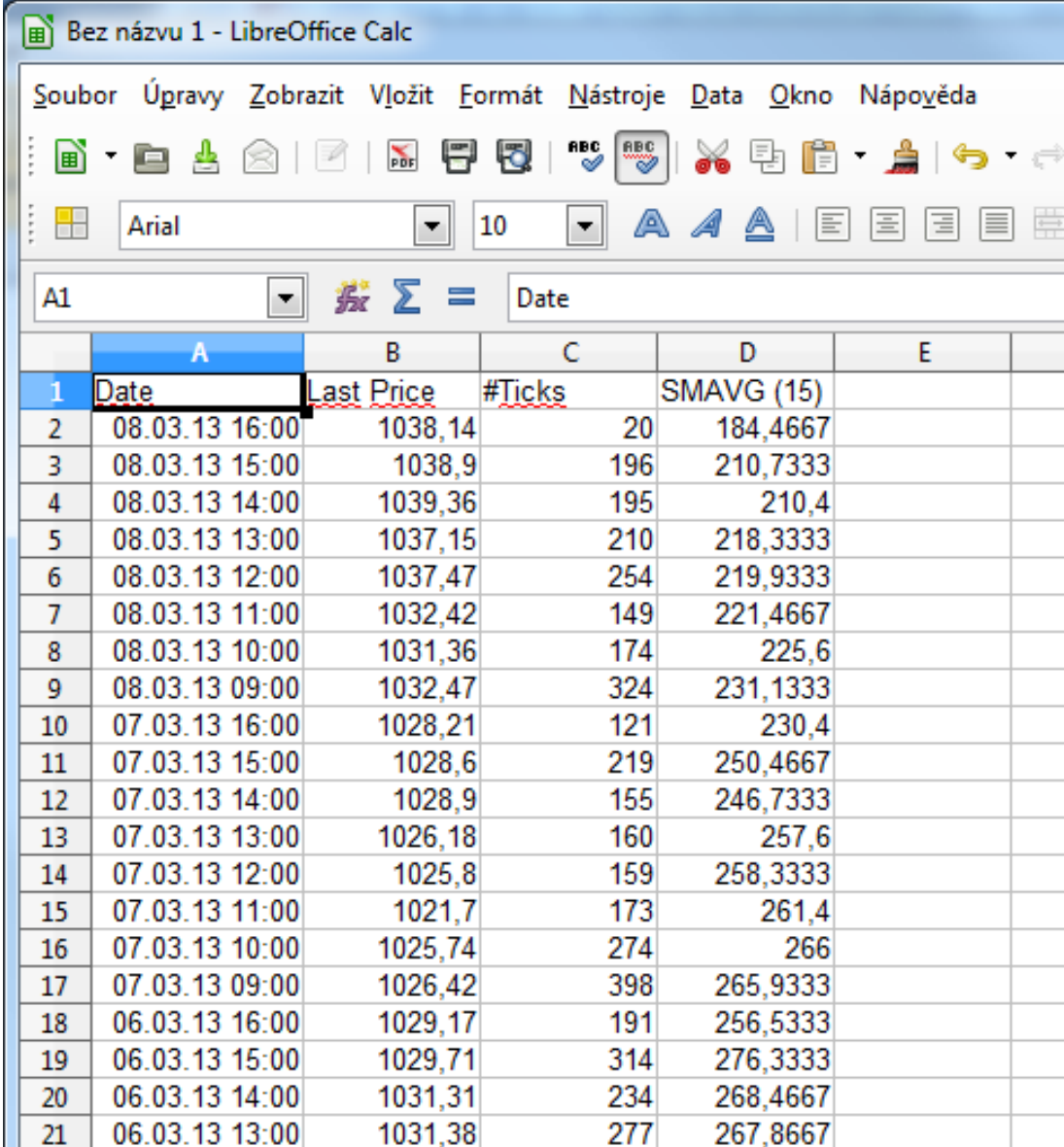
Close

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
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SN 876420 CET GMT+1:00 H441-1744-0 06-Jan-2014 09:36:57

# V tabulkovém editoru vložíme data ze schránky



# Zkontrolujeme (příp. opravíme) formát desetinného oddělovače a datumu



Bez názvu 1 - LibreOffice Calc

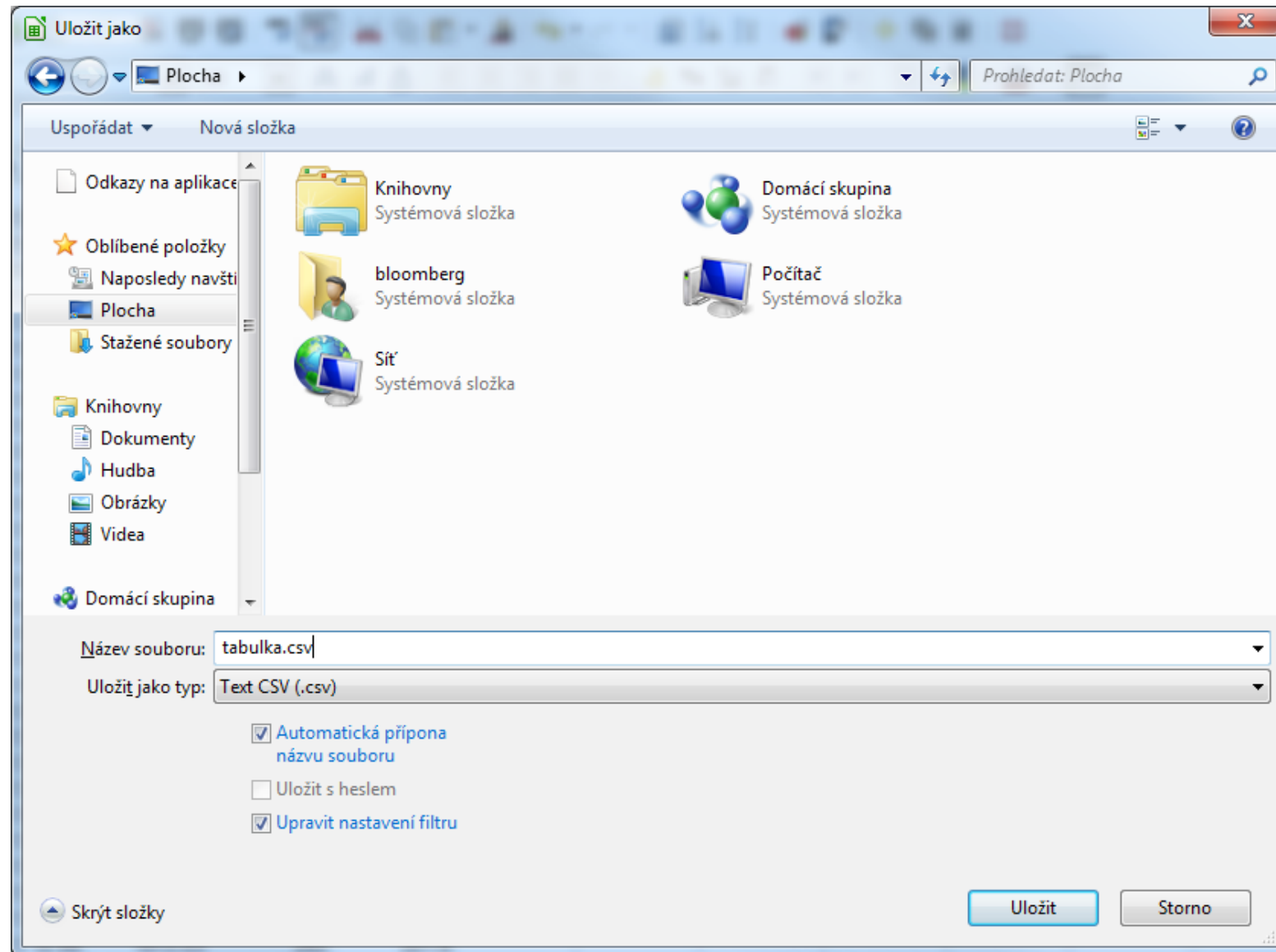
Soubor Úpravy Zobrazit Vložit Formát Nástroje Data Okno Nápověda

Arial 10

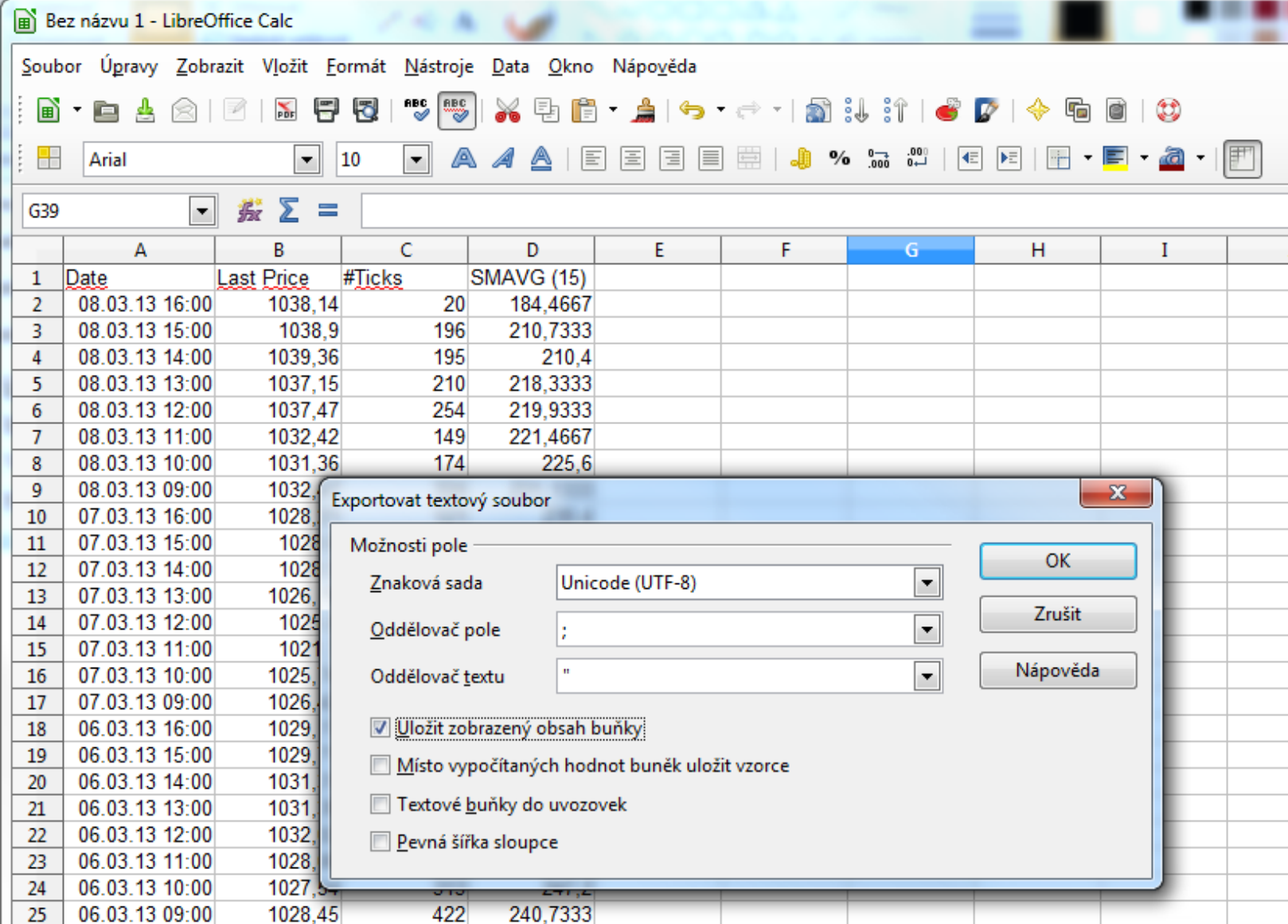
A1  $\sum$  = Date

	A	B	C	D	E
1	Date	Last Price	#Ticks	SMAVG (15)	
2	08.03.13 16:00	1038,14	20	184,4667	
3	08.03.13 15:00	1038,9	196	210,7333	
4	08.03.13 14:00	1039,36	195	210,4	
5	08.03.13 13:00	1037,15	210	218,3333	
6	08.03.13 12:00	1037,47	254	219,9333	
7	08.03.13 11:00	1032,42	149	221,4667	
8	08.03.13 10:00	1031,36	174	225,6	
9	08.03.13 09:00	1032,47	324	231,1333	
10	07.03.13 16:00	1028,21	121	230,4	
11	07.03.13 15:00	1028,6	219	250,4667	
12	07.03.13 14:00	1028,9	155	246,7333	
13	07.03.13 13:00	1026,18	160	257,6	
14	07.03.13 12:00	1025,8	159	258,3333	
15	07.03.13 11:00	1021,7	173	261,4	
16	07.03.13 10:00	1025,74	274	266	
17	07.03.13 09:00	1026,42	398	265,9333	
18	06.03.13 16:00	1029,17	191	256,5333	
19	06.03.13 15:00	1029,71	314	276,3333	
20	06.03.13 14:00	1031,31	234	268,4667	
21	06.03.13 13:00	1031,38	277	267,8667	

# List tabulky uložíme ve formátu CSV



# Jako oddělovač zvolíme (ideálně) středník



The screenshot shows the LibreOffice Calc application window titled "Bez názvu 1 - LibreOffice Calc". The menu bar includes "Soubor", "Úpravy", "Zobrazit", "Vložit", "Formát", "Nástroje", "Data", "Okno", and "Nápověda". The toolbar contains various icons for file operations, editing, and formatting. The spreadsheet displays a table with the following data:

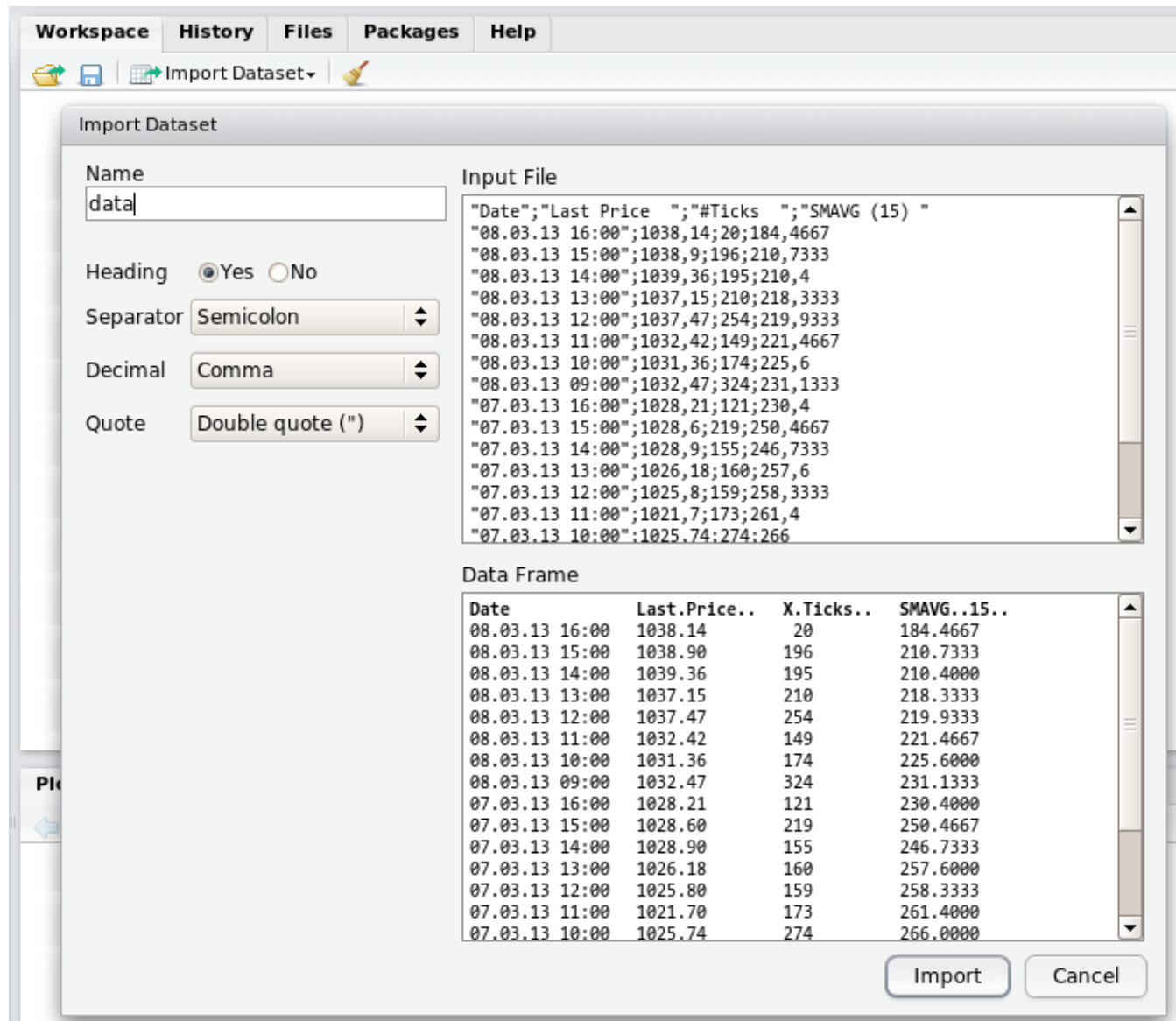
	A	B	C	D	E	F	G	H	I	J
1	Date	Last Price	#Ticks	SMAVG (15)						
2	08.03.13 16:00	1038,14	20	184,4667						
3	08.03.13 15:00	1038,9	196	210,7333						
4	08.03.13 14:00	1039,36	195	210,4						
5	08.03.13 13:00	1037,15	210	218,3333						
6	08.03.13 12:00	1037,47	254	219,9333						
7	08.03.13 11:00	1032,42	149	221,4667						
8	08.03.13 10:00	1031,36	174	225,6						
9	08.03.13 09:00	1032,4								
10	07.03.13 16:00	1028,5								
11	07.03.13 15:00	1028,5								
12	07.03.13 14:00	1028,5								
13	07.03.13 13:00	1026,5								
14	07.03.13 12:00	1025,5								
15	07.03.13 11:00	1021,5								
16	07.03.13 10:00	1025,5								
17	07.03.13 09:00	1026,5								
18	06.03.13 16:00	1029,5								
19	06.03.13 15:00	1029,5								
20	06.03.13 14:00	1031,5								
21	06.03.13 13:00	1031,5								
22	06.03.13 12:00	1032,5								
23	06.03.13 11:00	1028,5								
24	06.03.13 10:00	1027,5								
25	06.03.13 09:00	1028,45	422	240,7333						

An "Exportovat textový soubor" dialog box is open, showing the following options:

- Možnosti pole
- Znaková sada: Unicode (UTF-8)
- Oddělovač pole: ;
- Oddělovač textu: "
- Uložit zobrazený obsah buňky
- Místo vypočítaných hodnot buněk uložit vzorce
- Textové buňky do uvozovek
- Pevná šířka sloupce

Buttons: OK, Zrušit, Nápověda.

V RStudios vložíme tkačítkem Import Dataset na záložce Workspace, zadáme název proměnné, nastavíme správný oddělovač buněk a desetinný oddělovač



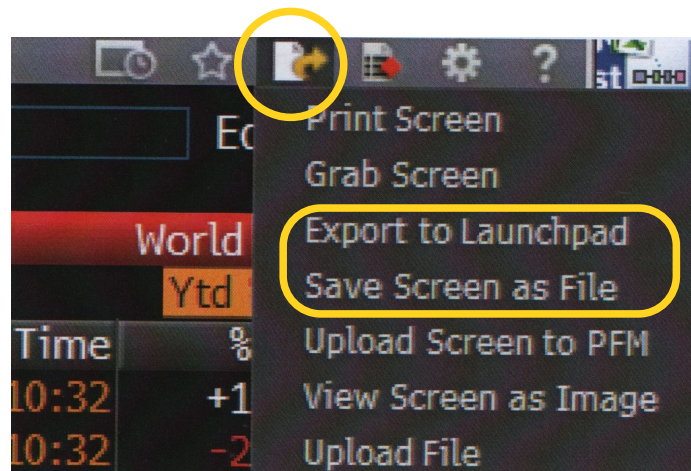
Data se do R importují jako data.frame,  
alternativně lze použít příkazy read.csv / read.csv2

Console ~/ ↗

```
> names (data)
[1] "Date"          "Last.Price.." "X.Ticks.."    "SMAVG..15.."
> X <- data$Last.Price..
> summary (X)
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
875.5  946.9   976.2   972.2 1002.0  1066.0
> |
```



Další možnosti exportování: z menu nebo ikonou  
v pravém horním rohu terminálu



<HELP> for explanation, <MENU> for similar functions. EquityWET

# <GO> for Index details

95) Edit Defaults 96) News 97) Feedback

Movers Volatility Ratios Futures AVAT vs 10d Ytd % USD

	2day	Value	Net Chg	%Chg	Δ AVAT	Time	% Ytd	% YtdCur
1) Americas								
4) DOW JONES		11755.63	-199.38	-1.67%	+30.00%	10:30	+1.54%	+1.54%
5) S&P 500		1229.53	-23.77	-1.90%	+22.98%	10:30	-2.24%	-2.24%
6) NASDAQ		2630.10	-54.31	-2.02%	+16.78%	10:30	-0.86%	-0.86%

World Equity Indices

Drag and Drop icon

# Grafy a analýzy

Ukázka na kurzu EUR/CZK.

Grafy, přidávání veličin, změny nastavení,...

Červená klávesa <Esc/Cancel> vrací na základní obrazovku, příp. zavírá plovoucí okno

<HELP> for explanation, <MENU> for similar functions.

# NEW ISSUE ANALYTICS NIA

- > Price New Issue Sovereign and Corporate Bonds before they hit the market
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For questions about Bloomberg functionality



2) Contact the Tech Support Team  
For installation or IT related support



3) Contact Us  
For all other inquiries

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S/N 876420-0

SID 3764580-1

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# Hledáme kurz EUR/CZK

1-BLOOMBERG

Home Menu ▾ PRAGUE STOCK EXCH INDEX Index ▾ CANN ▾ Message ☆ 📧 ⚙️ ?

## EURCZK

### SECURITIES

EURCZK Curncy	Euro / Czech Koruna Cross
EURUSD Curncy	Euro / United States Dollar Cross <i>(Suggestion)</i>
EURCZK3M Curncy	Euro / Czech Koruna 3 Month Cross Forward Points
EURPLN Curncy	Euro / Polish Zloty Cross <i>(Suggestion)</i>
EURCZKV3M Curncy	Euro / Czech Koruna 3 Month At The Money Option Volatility
EURCZK1M Curncy	Euro / Czech Koruna 1 Month Cross Forward Points
EURCZKTN Curncy	Euro / Czech Koruna Tomorrow Next Cross Forward Points
EURCZK12M Curncy	Euro / Czech Koruna 12 Month Cross Forward Points
EURCZKV1M Curncy	Euro / Czech Koruna 1 Month At The Money Option Volatility


[More Securities...](#)


### SEARCH


SEARCH EURCZK FORWARD CURVE	Eur-Czk X-Rate : Forward Curve
SEARCH EURCZK PRICE	Eur-Czk X-Rate : Last Price

[Search for 'EURCZK'...](#)

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S/N 876420-0

SID 3764580-1  
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# EURCZK <Search>

<HELP> for explanation.  
<PageFwd> for More Results

eurczk 150) Feedback 151) Examples Page 1/5 Bloomberg Help Search

- 1) Top Results
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- 8) Excel Library
- 9) Data Fields
- 10) News \*
- 11) Law
- Securities
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- 14) Fixed Income
- 15) Currencies 369
- 16) Mtge Issuers
- 17) Muni Issuers
- 18) Commodities
- 19) Indices 1
- 20) Statistics
- 21) Economics
- Contributors
- 22) Pricing 4
- 23) Research \*

41) View EURCZK Curncy Description  
The Last Price of Eur-Czk X-Rate is

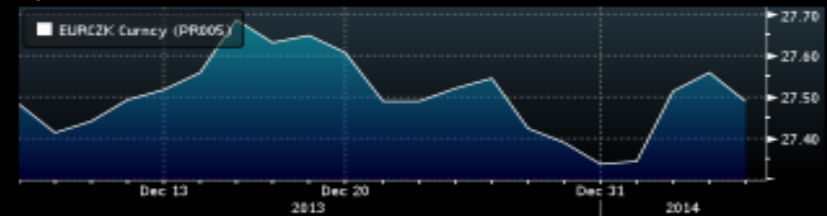
**27.49**

PCS: BGN  
Settle. Date: 01/08/14  
Last Update: 17:18:56

- 43) FXC Currency Rates Matrix
- 44) ALLQ Composite Quotes
- 45) Currency News

- 46) Koruna Strengthens First Time in Four Days as Czech Bonds Gain BFW 17:16
- 47) Czech Koruna Strengthens Against Euro BN 16:30

42) GP Historical Line Chart



More Results

- 51) FX Vol Euro / Czech Koruna Option Volatility S EURCZK Curncy  
Bid 27.478 Ask 27.501 1 Day %Chg +.2474 Base Curr EUR  
52) News (CN) 53) Research (BRC) 54) Vol Surface (OVDV)
- 61) Pricin EUR/CZK Option Volati Tullett Prebon  
Market Type Foreign Exchan Country CZ Currency CZK EUR  
62) Entitlement (ERQS) 63) CTRBs (MRKT)
- 71) Index-Mis FTSE Curex EURCZK Total Re FSTREUCK Index  
Value N.A. Quote N.A. History Start N.A. Source FTSE  
72) News (CN) 73) Indx Sector (ALLX)

Po výsledcích lze rolovat pomocí <PgDn>, <PgUp>, podobně lze rolovat tabulkami

**<HELP>** for explanation.  
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eurczk 150) Feedback 151) Examples Page 2/5 Bloomberg Help Search

1) Top Results	
General	41) FX Forwar Euro / Czech Koruna 1 Month Cross Forward EURCZK1M Curncy Bid -10.16 Ask -4.18 1 Day %Chg -6.0651 Tenor N.A. 2) News (CN) 3) Research (BRC)
2) Companies	
3) Functions	
4) People	
5) FAQs	51) Pricin EUR/CZK Forwar Bank of America Merrill Lynch Market Type Foreign Exchan Country CZ Currency CZK EUR 52) Entitlement (ERQS) 53) CTRBs (MRKT)
6) Definitions	
7) Documents	
8) Excel Library	
9) Data Fields	
10) News *	61) Pricin Major Currencies Swaps-IMM Jefferies Market Type Foreign Exchan Country CZ Currency CZK EUR 62) Entitlement (ERQS) 63) CTRBs (MRKT)
11) Law	
Securities	
12) Equities	71) FX Vol Euro / Czech Koruna 6 Month At The Money Option Volatility EURCZKV6M Curn Bid 3.68 Ask 4.925 1 Day %Chg +.0581 Base Curr EUR 72) News (CN) 73) Research (BRC) 74) Vol Surface (OVDV)
13) Funds	
14) Fixed Income	
15) Currencies 369	81) FX Vol Euro / Czech Koruna 5 Year At The Money Option Volatility EURCZKV5Y Curn Bid 5.6 Ask 5.6 1 Day %Chg .0000 Base Curr EUR 82) News (CN) 83) Research (BRC) 84) Vol Surface (OVDV)
16) Mtge Issuers	
17) Muni Issuers	
18) Commodities	
19) Indices 1	91) FX Vol Euro / Czech Koruna 1 Year At The Money Option Volatility EURCZKV1Y Curn Bid 3.79 Ask 5.04 1 Day %Chg +1.3777 Base Curr EUR 92) News (CN) 93) Research (BRC) 94) Vol Surface (OVDV)
20) Statistics	
21) Economics	
Contributors	
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# Kurz EUR/CZK – menu

1-BLOOMBERG

Analyze Currency Menu EUR-CZK X-RATE Curncy MENU Message ☆ 📄 ⚙️ ?

**EURCZK** ↑ 27.508 - .051 BGN 27.501 / 27.514 BGN  
At 9:40 Op 27.559 Hi 27.599 Lo 27.492 Close 27.558 Value 01/08/14

Home > Currency Markets > Analyze EUR-CZK X-RATE Curncy <Cancel> X

1) DES Security Description	Idea Generation
2) Price Discovery >	13) VOLC Volatility Comparison
3) ALLQ Composite Quotes	14) FXFM FX Rate Forecast Model
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5) FXFR Spot/Forwards Monitor	16) GP Historical Line Chart
6) BQ Bloomberg Quote	17) GIP Intraday Price Chart
7) Valuation >	18) TECH Technical Study Browser
8) FRD FX Forward Calculator	19) Stats & Comparative Analysis >
9) BFIX Bloomberg FX Fixings	20) PC Peer Correlation
10) FXCA Currency Conversion Calculator	21) HS Spread or Ratio Analysis
<b>News &amp; Research</b>	22) OTC Pricing & Vol Analysis >
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# CN – Current News

EURCZK ↓ 27.510 - .048  BGN 27.506 / 27.514 BGN  
 At 9:41 Op 27.559 Hi 27.599 Lo 27.492 Close 27.558 Value 01/08/14

96) New Search 97) Actions 98) Settings Feedback Page 1 News

Topics << Czech Koruna Top Popular All

My News <Narrow Search> Sources My Sources Lang My 01/06/14 Sort By Time

1)	Czech Parties to Seal Coalition Accord as Stimulus Debate Looms	BN	00:00
2)	Czech Koruna Strengthens Against Euro	BN	09:15
3)	Czech Koruna Strengthens First Time in Four Days Against Euro	BFW	09:03
4)	Czech Koruna Strengthens Against Euro	BN	09:15
5)	Czech Koruna Strengthens First Time in Four Days Against Euro	BFW	09:03
6)	Czech Trade Surplus Widens as Export Growth Outpaces Imports	BFW	09:00
7)	*CZECH NOV. TRADE SURPLUS CZK38.7 VS CZK35B MEDIAN ESTIMATE	BN	09:00
8)	Komerčni banka foreign exchange rates	CTK	08:27
9)	Ceskoslovenska obchodní banka foreign exchange rates	CTK	08:25
10)	Ceska sporitelna foreign exchange rates	CTK	08:23
11)	CZECH DAYBOOK: Parties to Sign Agreement on New Coalition	BFW	05:00
12)	Czech Parties to Seal Coalition Accord as Stimulus Debate Looms	BN	00:00
13)	Czech inflation faster at 1.3 pct in Dec - analysts' estimates	CTK	01/05
14)	Oregonian: Gold, wheat, silver and metal prices and currency exch...	NS1	01/04
15)	Czech Central Bank Expects Positive Growth in 2014, Singer Says	BFW	01/03
16)	Foreign exchange rates at midday	CNP	01/03
17)	Czech Koruna Weakens Against Euro	BN	01/03
18)	CNB foreign exchange rates	CTK	01/03
19)	Czech Bond Rebounds From September Low Amid Oversold RSI Sig...	BFW	01/03+
20)	Economics: Investors Await Jobs Report, FOMC Minutes	BBF	01/03

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# Zobrazená zpráva a pracovní menu.

O jeden krok zpět vrací zelená klávesa <Menu>

EURCZK ↓ 27.509 - .049  BGN 27.505 / 27.514 BGN  
At 9:42 Op 27.559 Hi 27.599 Lo 27.492 Close 27.558 Value 01/08/14

98 Options Page 1/1 BN Jan 06 2014 09:15:00

Czech Koruna Strengthens Against Euro 91) ☆

By Bloomberg News  
Jan. 6 (Bloomberg) -- The Czech koruna strengthened against the euro.  
Indicative bid prices for the koruna were at 27.508 per euro as of 9:15 a.m. in Prague, versus 27.561 the previous trading day, according to data compiled by Bloomberg. Offer prices were indicated at 27.512 versus 27.571 the previous day.

--Bloomberg News

To contact Bloomberg News for this story:  
+44-20-7330-7500 or [newsdev@bloomberg.net](mailto:newsdev@bloomberg.net)

-0- Jan/06/2014 08:15 GMT

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# Kurz EUR/CZK – menu

1-BLOOMBERG

Analyze Currency Menu EUR-CZK X-RATE Curncy MENU Message ☆ 📄 ⚙️ ?

EURCZK ↑ 27.508 -.051 BGN 27.501 / 27.514 BGN  
At 9:40 Op 27.559 Hi 27.599 Lo 27.492 Close 27.558 Value 01/08/14

Home > Currency Markets > Analyze EUR-CZK X-RATE Curncy <Cancel> X

1) DES Security Description	Idea Generation
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3) ALLQ Composite Quotes	14) FXFM FX Rate Forecast Model
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9) BFIX Bloomberg FX Fixings	20) PC Peer Correlation
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News & Research	22) OTC Pricing & Vol Analysis >
11) CN Current News	23) OVML Option Valuation
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# EURCZK

The screenshot shows a Bloomberg terminal window with the following data and menu options:

**EURCZK** ↓ 27.489 - .069 BGN 27.485 / 27.494 BGN  
At 17:20 Op 27.559 Hi 27.599 Lo 27.472 Close 27.558 Value 01/08/14

Home > Currency Markets > Analyze EUR-CZK X-RATE Curncy

**1) DES Security Description** (highlighted)

- 2) Price Discovery >
- 3) ALLQ Composite Quotes
- 4) FXFA FX-Interest Rate Arbitrage
- 5) FXFR Spot/Forwards Monitor
- 6) BQ Bloomberg Quote
- 7) Valuation >
- 8) FRD FX Forward Calculator
- 9) BFIX Bloomberg FX Fixings
- 10) FXCA Currency Conversion Calculator
- 11) CN Current News
- 12) BRC Research
- 13) VOLC Volatility Comparison
- 14) FXFM FX Rate Forecast Model
- 15) Charts, Tables & Technicals >
- 16) GP Historical Line Chart
- 17) GIP Intraday Price Chart** (highlighted)
- 18) TECH Technical Study Browser
- 19) Stats & Comparative Analysis >
- 20) PC Peer Correlation
- 21) HS Spread or Ratio Analysis
- 22) OTC Pricing & Vol Analysis >
- 23) OVML Option Valuation
- 24) OVDV Option Volatility Surface
- 25) SDRV SDR Derivatives Volumes

On the right side, a "Rate Description" panel is visible, showing the CZK flag and the text: "currency of the l market y per US dollar." Below this, "6) More Details" is listed with values "30,450" and "ulation 10.66M".



# DES – Description

EURCZK ↑ 27.645 +.014 27.034711 27.11 LO 27.597 CLOSE BGN 27.641 / 27.649 BGN 27. value 12/23

At 14:06

FX Cross Rate Description

### EURCZK Spot Exchange Rate - Price of 1 EUR in CZK

Euro		Czech Koruna	
EUR 		CZK 	
<p>The euro is the official currency of the European Economic &amp; Monetary Union. It is quoted in the # of USD per euro. The countries using the euro as their official currency are listed on <a href="#">{20 &lt;GO&gt;}</a>.</p>		<p>The Czech Koruna is the official currency of the Czech Republic. The conventional market quotation is the number of koruny per US dollar. It is a free floating currency.</p>	
Region	Europe	Region	Eastern Europe
Country	Eurozone	Country	Czech Republic
Capital	Brussels	Capital	Prague
	Area 915,224		Area 30,450
	Population 402.88M		Population 10.66M
1) More Details		6) More Details	
2) Economic Releases	4) Settlement Calendar	7) Economic Releases	9) Settlement Calendar
3) Economic Statistics	5) Central Bank Portal	8) Economic Statistics	

Security		FX Spot Rate Analytics	
Ticker	EURCZK	11) ALLQ	All Quotes
BBGID	BBG0013HQG11	12) BFIX	Bloomberg FX Fixings
Source	BGN - Bloomberg BGN	13) XDSH	Major Currency Spot Rates
Settlement Date	Dec 23, 2013	14) FXFC	FX Analyst Forecast
Trading Hours	17:00 - 16:59	15) FXFM	FX Forecast Model
History Since	Jan 04, 1999	16) XDF	FX Pricing Defaults
		17) FXTF	Related Instruments

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 SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 14:06:13

# GIP – real-time denní data



# Zobrazené veličiny



# Nastavení zobrazení veličiny

1

Property Manager

Settings For **EURCZK BGN Currency (Last Tr)**

Data Field

Spread or ratio? **None**

Display

Type **GIP Bar**

Panel **1**

Y-axis **R1**

Mark high/low

Full Range

View Range

Show Previous Close Line

Update Close

20:00  
05 Jan 2014 06 Jan 2014

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000  
SN 876420 CET GMT+1:00 H441-1744-0 06-Jan-2014 09:44:19

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# Nastavení zobrazení veličiny

**Property Manager**

Settings For: EURCZK BGN Currency (Last Tr)

**Data Field**

Property	EURCZK BGN Currency	SPX Index
Security	EURCZK BGN Currency	SPX Index
Data	Trade (RQ005)	
Multiplier	1	1
Constant	0	0
Session	Day	Day
Currency	Local CUR	Local CUR
Source		

Spread or ratio?: None

**Display**

Type	Line
Color	
Style	Solid
Width	1
Marker	None
Panel	1
Y-axis	R1

Mark high/low

- Full Range
- View Range

Show Previous Close Line

**Update** **Close**

20:00  
05 Jan 2014

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000  
SN 876420 CET GMT+1:00 H441-1744-0 06-Jan-2014 09:44:27  
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# GIP – změněná podoba



# EURCZK

DES 1-BLOOMBERG

Analyze Currency Menu ▾ EUR-CZK X-RATE Curncy ▾ DES ▾ Message ☆ ↻ 📅 ⚙️ ?

EURCZK ↓ 27.489 - .069 BGN 27.485 / 27.494 BGN  
At 17:20 Op 27.559 Hi 27.599 Lo 27.472 Close 27.558 Value 01/08/14

Home > Currency Markets > Analyze EUR-CZK X-RATE Curncy <Cancel> X

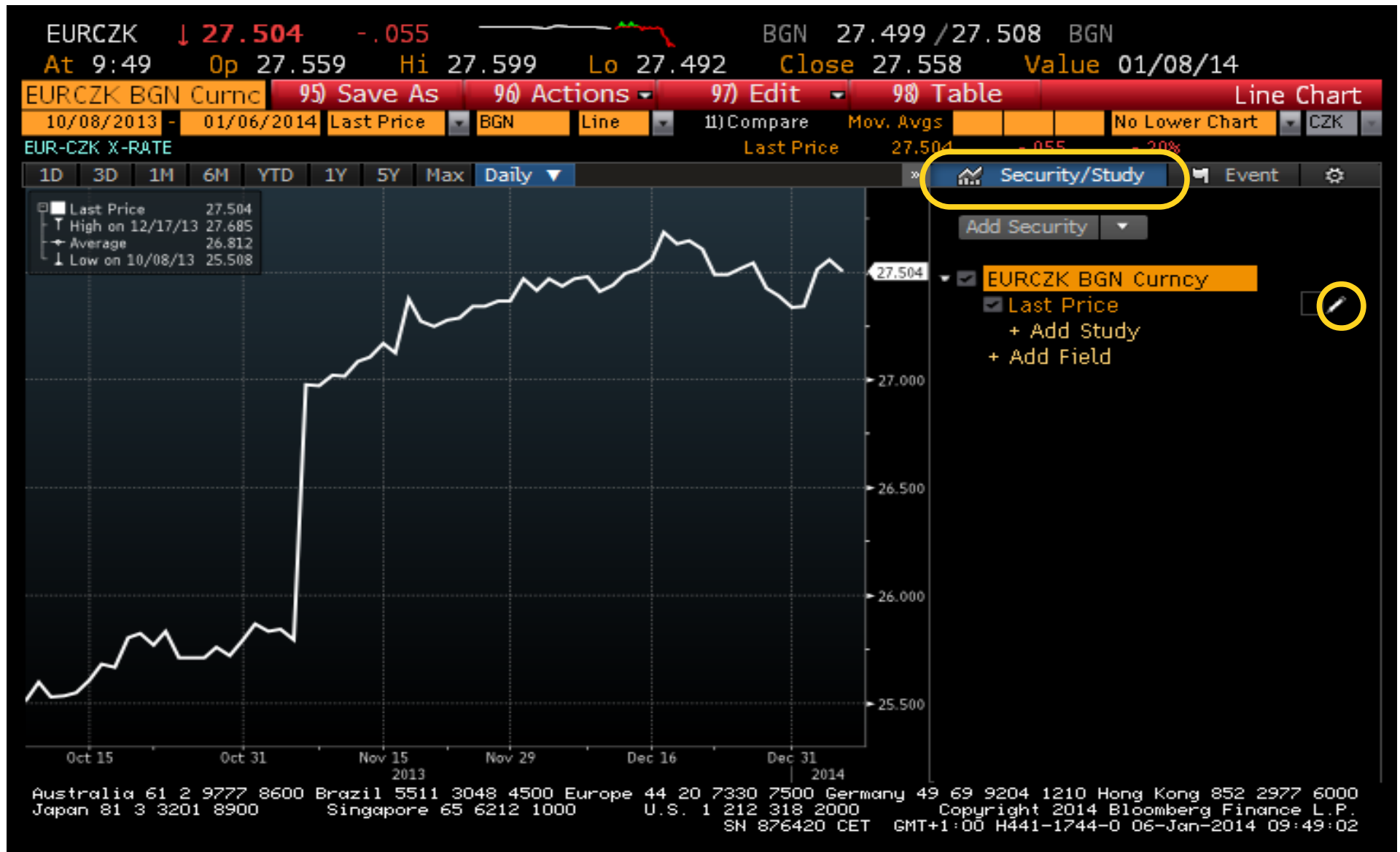
1) DES Security Description	Idea Generation
2) Price Discovery >	13) VOLC Volatility Comparison
3) ALLQ Composite Quotes	14) FXFM FX Rate Forecast Model
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News & Research	22) OTC Pricing & Vol Analysis >
11) CN Current News	23) OVML Option Valuation
12) BRC Research	24) OVDV Option Volatility Surface
	25) SDRV SDR Derivatives Volumes

Rate Description

CZK   
currency of the  
l market  
y per US dollar.

6) More Details  
30,450  
ulation 10.66M  
ement Calendar  
ates

# GP – historická data



# Nastavení zobrazení veličiny

1

Property Manager

Settings For: EURCZK BGN Currency (Last Pr)

Data Field

Spread or ratio? None

Property	EURCZK BGN Currency	SPX Index
Security	EURCZK BGN Currency	SPX Index
Data	Last Price (PR005)	Last Price (PR005)
Multiplier	1	1
Constant	0	0
Session	Day	Day
Currency	Local CUR	Local CUR
Source	BGN	

Display

Type: Line

Color: [White]

Style: Solid

Width: 3

Marker: None

Panel: 1

Y-axis: R1

Mark high/low

- Full Range
- View Range

Update Close

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2014 Bloomberg Finance L.P.  
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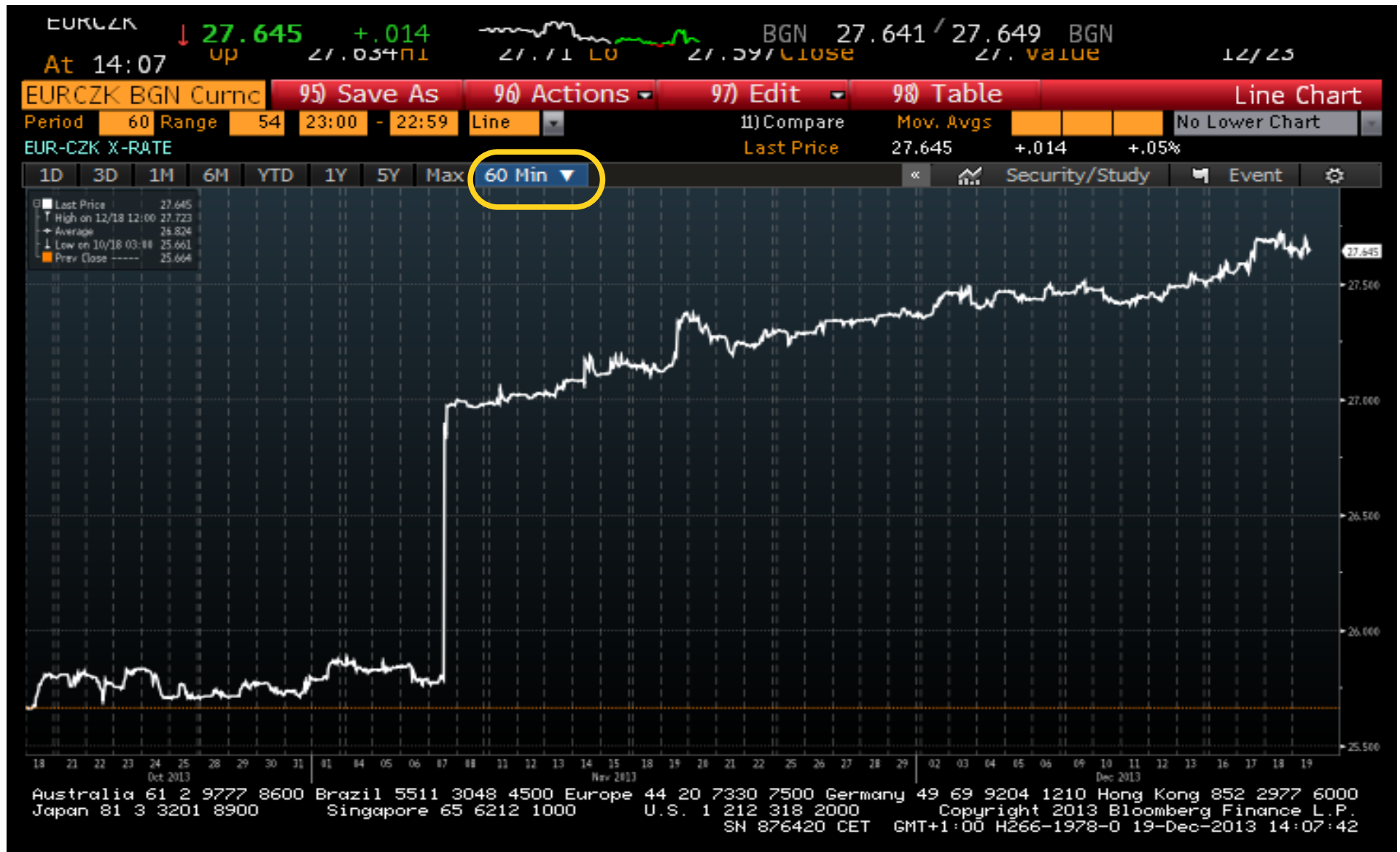
# GP – změna období



# GP – změna období



# Změna typu grafu



EURCZK

↓ 27.654 +.023  
At 14:07 Up 27.03471

BGN 27.650 / 27.658 BGN  
27.71 LO 27.597 CLOSE

27.654  
27.03471

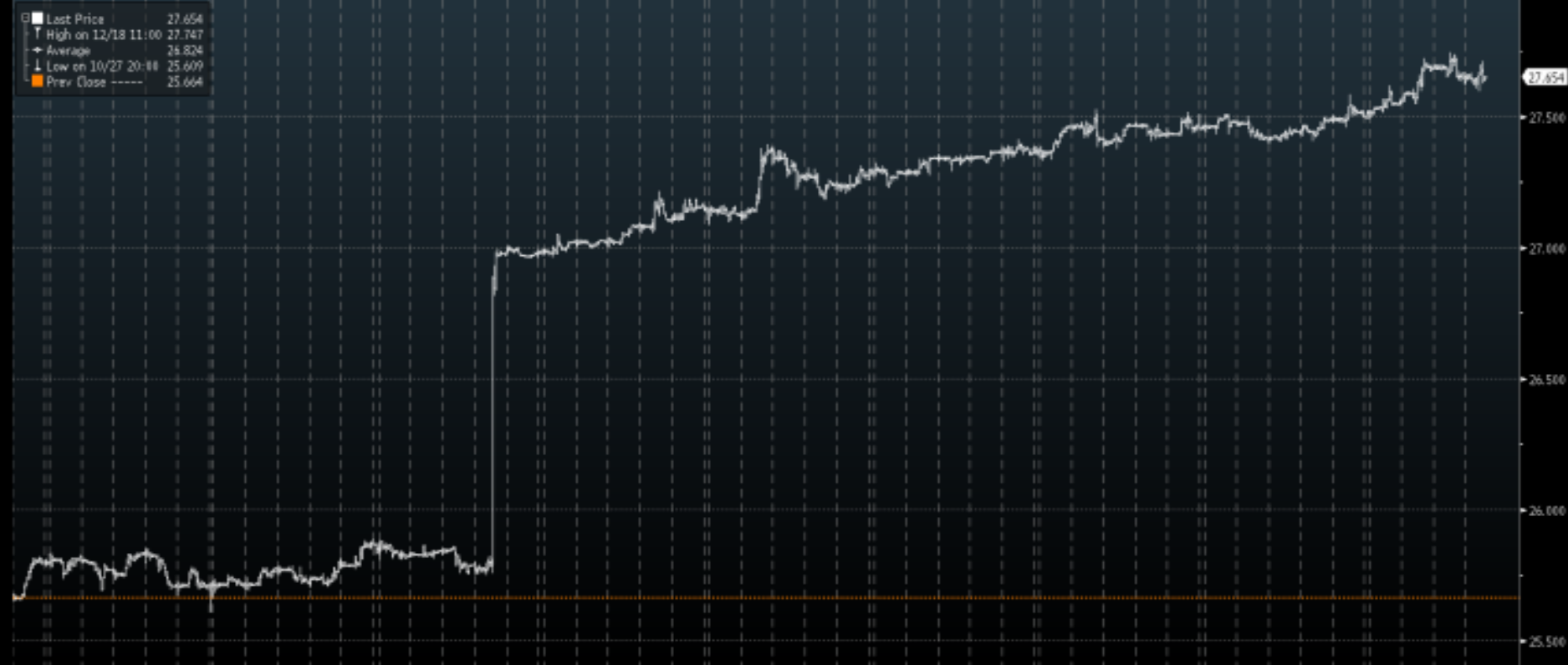
EURCZK BGN Curnc 95) Save As 96) Actions 97) Edit 98) Table Bar Chart

Period 60 Range 54 23:00 - 22:59 Bar 11) Compare Mov. Avgs No Lower Chart

EUR-CZK X-RATE Last Price 27.654 +.023 +.08%

1D 3D 1M 6M YTD 1Y 5Y Max 60 Min Security/Study Event

Last Price 27.654  
High on 12/18 11:00 27.747  
Average 26.824  
Low on 10/27 20:00 25.609  
Prev Close 25.664

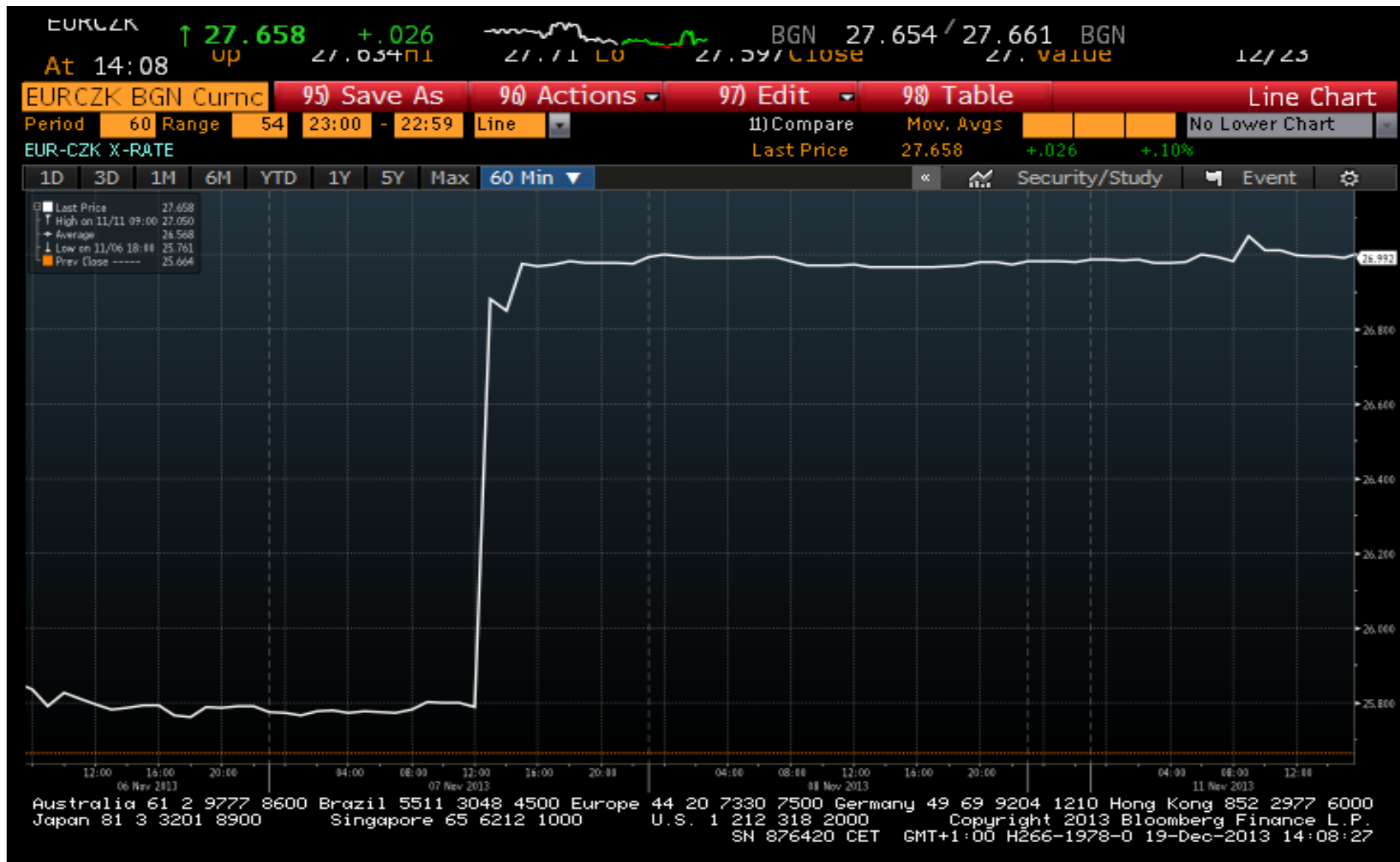


18 21 22 23 24 25 28 29 30 31 01 04 05 06 07 08 11 12 13 14 15 18 19 20 21 22 25 26 27 28 29 02 03 04 05 06 09 10 11 12 13 16 17 18 19  
Oct 2013 Nov 2013 Dec 2013

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# Zoom v grafu



# Změna typu grafu



EURCZK

↓ 27.658 +.026  
Up 27.03471

BGN 27.654 / 27.661 BGN  
27.71 LU 27.597 Close

27. value

12/23

At 14:09

EURCZK BGN Currnc 95) Save As 96) Actions 97) Edit 98) Table Band Chart

Period 60 Range 54 23:00 - 22:59 Band 11) Compare Mov. Avgs No Lower Chart

EUR-CZK X-RATE

Last Price 27.658 +.026 +.10%

1D 3D 1M 6M YTD 1Y 5Y Max 60 Min Security/Study Event

Last Price 27.658  
High on 11/11 09:00 27.052  
Average 26.462  
Low on 11/07 08:00 25.752  
Prev Close 25.664



Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000  
 SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 14:09:16

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EURCZK

↑ 27.657 +.026  
At 14:09 Up 27.03471

BGN 27.654 / 27.661 BGN  
27.71 LO 27.597 CLOSE

27. Value

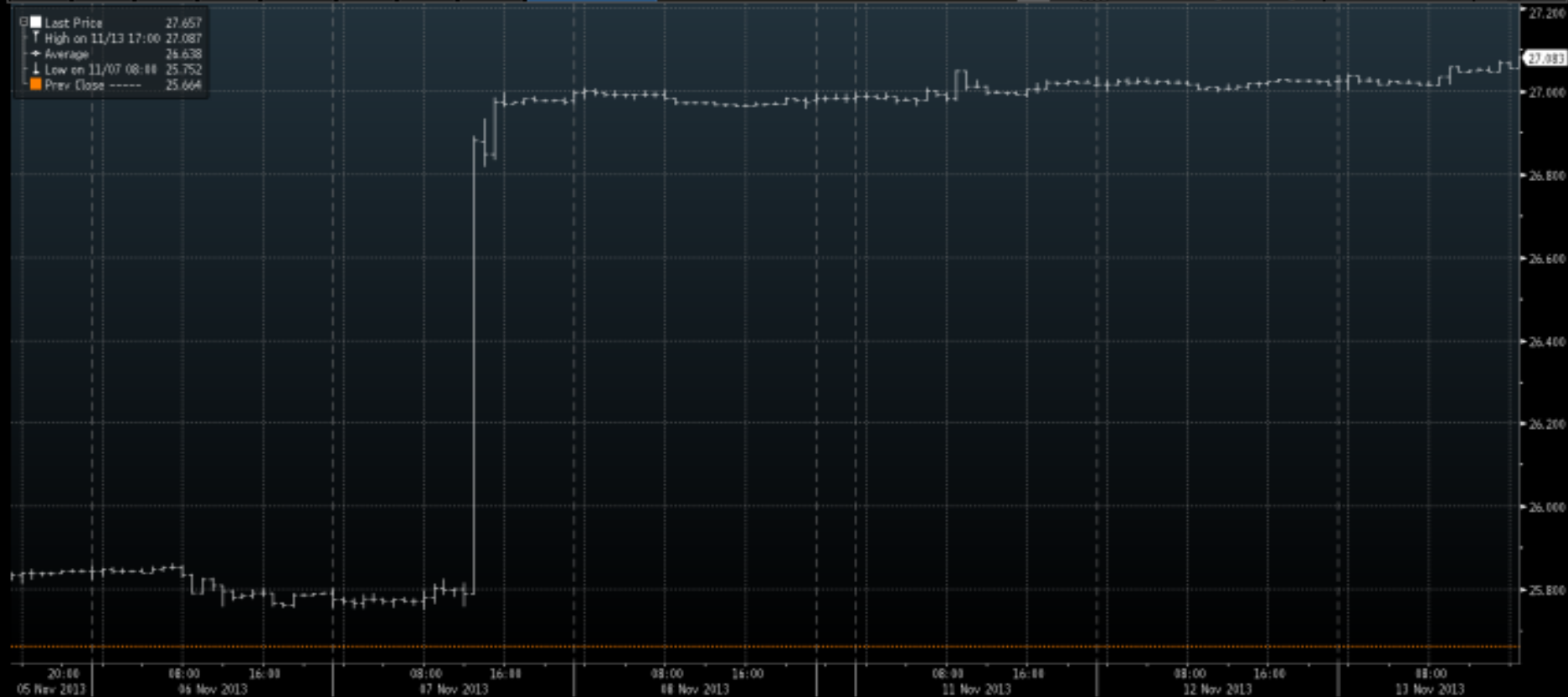
12/23

EURCZK BGN Curnc 95) Save As 96) Actions 97) Edit 98) Table Bar Chart  
Period 60 Range 54 23:00 - 22:59 Bar 11) Compare Mov. Avgs No Lower Chart

EUR-CZK X-RATE

1D 3D 1M 6M YTD 1Y 5Y Max 60 Min Security/Study Event

Last Price 27.657  
High on 11/13 17:00 27.087  
Average 26.638  
Low on 11/07 08:00 25.752  
Prev. Close 25.664



Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000  
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 SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 14:09:50

EURCZK

↑ 27.658 +.027  
UP 27.034711

BGN 27.654 / 27.662 BGN  
27.71 LO 27.597 CLOSE

27. value

12/23

At 14:10

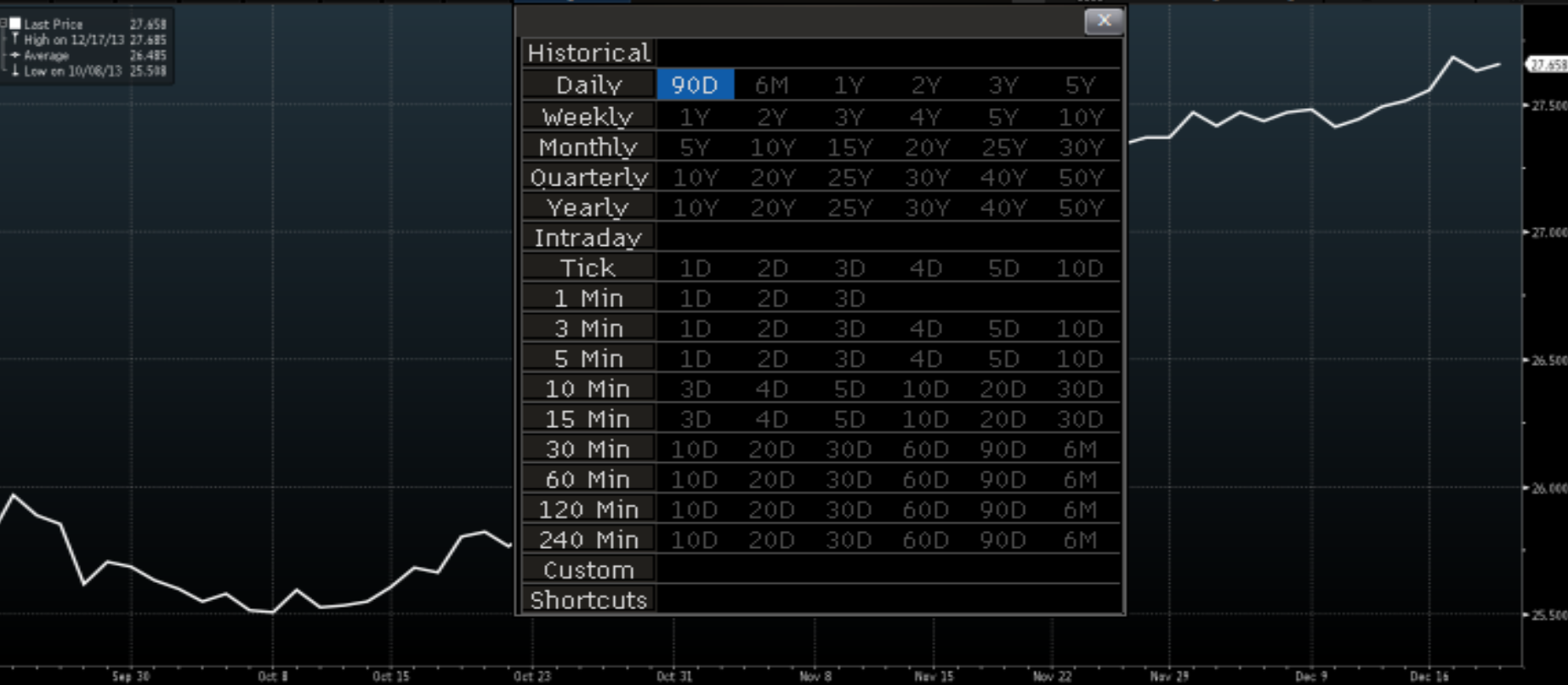
EURCZK BGN Curnc 95) Save As 96) Actions 97) Edit 98) Table Line Chart  
09/20/2013 - 12/19/2013 Last Price BGN Line 1) Compare Mov. Avgs No Lower Chart CZK

EUR-CZK X-RATE Last Price 27.658 +.027 +.10%

1D 3D 1M 6M YTD 1Y 5Y Max Daily Security/Study Event

Last Price 27.658  
High on 12/17/13 27.685  
Average 26.485  
Low on 10/08/13 25.588

Historical						
Daily	90D	6M	1Y	2Y	3Y	5Y
Weekly	1Y	2Y	3Y	4Y	5Y	10Y
Monthly	5Y	10Y	15Y	20Y	25Y	30Y
Quarterly	10Y	20Y	25Y	30Y	40Y	50Y
Yearly	10Y	20Y	25Y	30Y	40Y	50Y
Intraday						
Tick	1D	2D	3D	4D	5D	10D
1 Min	1D	2D	3D			
3 Min	1D	2D	3D	4D	5D	10D
5 Min	1D	2D	3D	4D	5D	10D
10 Min	3D	4D	5D	10D	20D	30D
15 Min	3D	4D	5D	10D	20D	30D
30 Min	10D	20D	30D	60D	90D	6M
60 Min	10D	20D	30D	60D	90D	6M
120 Min	10D	20D	30D	60D	90D	6M
240 Min	10D	20D	30D	60D	90D	6M
Custom						
Shortcuts						



EURCZK

↑ 27.658 +.026  
UP 27.03471



BGN 27.654 / 27.661 BGN  
27.71 LO 27.597 CLOSE 27. value

12/23

At 14:11

EURCZK BGN Curnc 95) Save As 96) Actions 97) Edit 98) Table Line Chart

09/20/2013 - 12/19/2013 Last Price BGN Line 11) Compare Mov. Avgs No Lower Chart CZK

EUR-CZK X-RATE

Last Price 27.658 +.026 +.10%

1D 3D 1M 6M YTD 1Y 5Y Max Daily

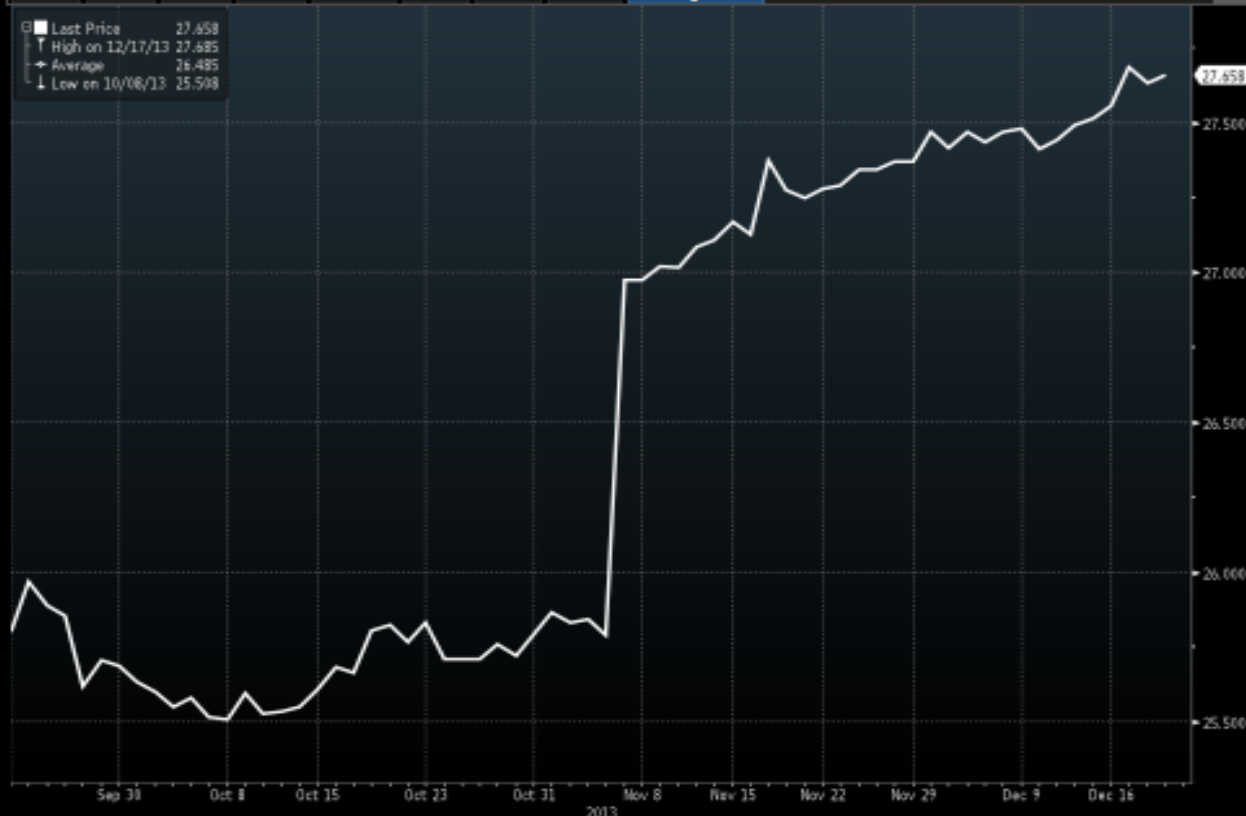
Security/Study Event

■ Last Price 27.658  
↑ High on 12/17/13 27.685  
→ Average 26.485  
↓ Low on 10/06/13 25.508

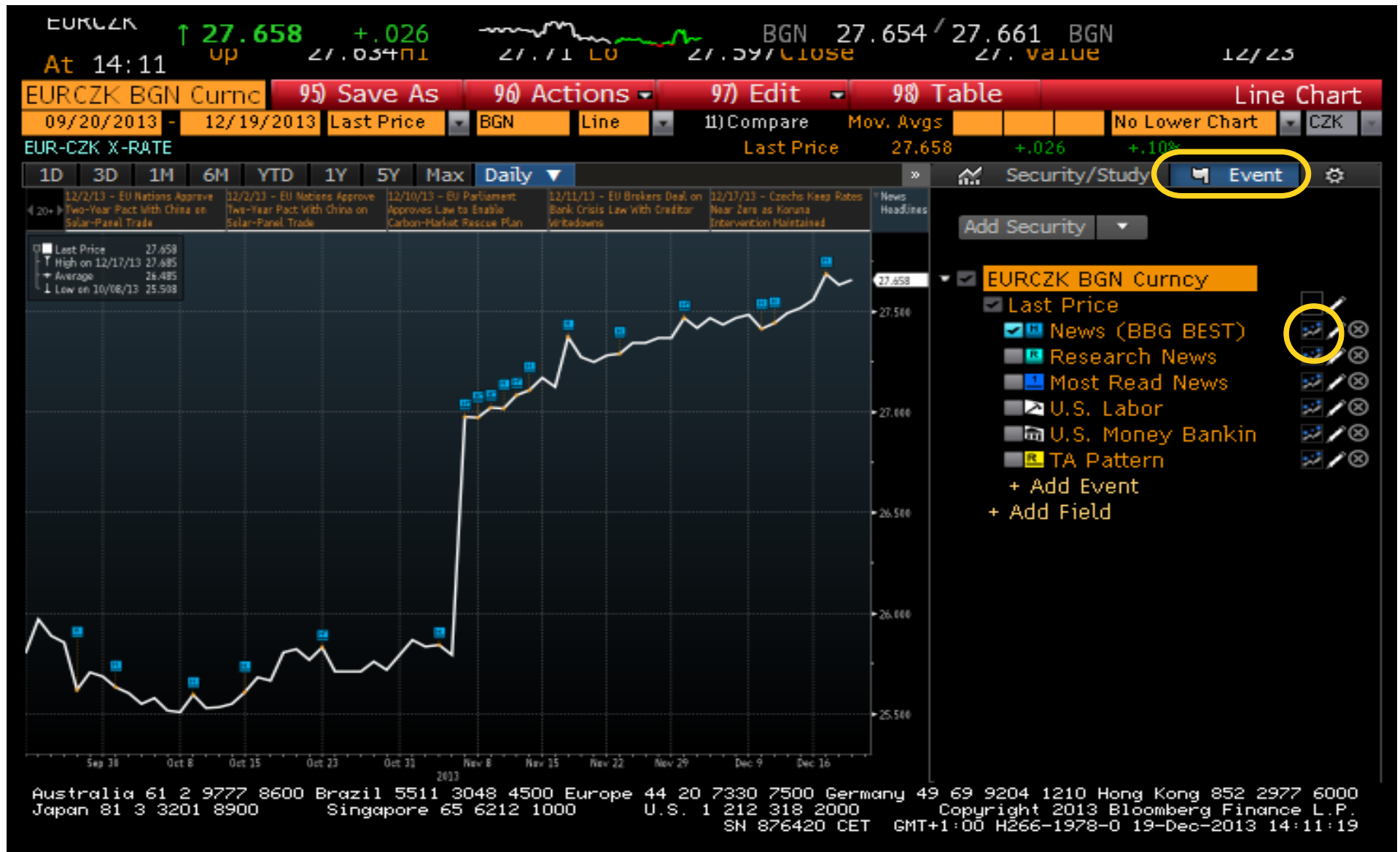
Add Security

EURCZK BGN Curnc

- Last Price
- News (BBG BEST)
- Research News
- Most Read News
- U.S. Labor
- U.S. Money Bankin
- TA Pattern
- + Add Event
- + Add Field



# Události



EURCZK

↑ 27.659 +.028  
UP 27.03471



BGN 27.655 / 27.662 BGN  
27.03471 / 27.03471

12/23

At 14:12

EURCZK BGN Curnc 95) Save As 96) Actions 97) Edit 98) Table Line Chart

09/20/2013 - 12/19/2013 Last Price BGN Line 1) Compare Mov. Avgs No Lower Chart CZK

EUR-CZK X-RATE

Last Price 27.659 +.028 +.10%

1D 3D 1M 6M YTD 1Y 5Y Max Daily

Security/Study Event

12/2/13 - EU Nations Approve Two-Year Pact With China on Solar-Panel Trade  
12/10/13 - EU Parliament Approves Law to Enable Carbon-Market Rescue Plan  
12/11/13 - EU Brokers Deal on Bank Crisis Law With Creditors Writedowns  
12/17/13 - Czechs Keep Rates Near Zero as Korona Intervention Maintained

News Headlines

Last Price 27.659  
High on 12/17/13 27.685  
Average 26.485  
Low on 10/08/13 25.508



Add Security

- EURCZK BGN Curnc
- Last Price
- News (BBG BEST)
- Research News
- Most Read News
- U.S. Labor
- U.S. Money Bankin
- TA Pattern
- + Add Event
- + Add Field

- 
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-



# Události



S

EURCZK BGN Curnc 95) Save As 96) Actions 97) Edit 98) Table Line Chart  
 09/20/2013 - 12/19/2013 Last Price BGN Line 1) Compare Mov. Avgs No Lower Chart CZK

EUR-CZK X-RATE

Last Price 27.659 +.028 +.10%

<HELP> for explanation, <MENU> for similar functions.

Currency NSN

ist

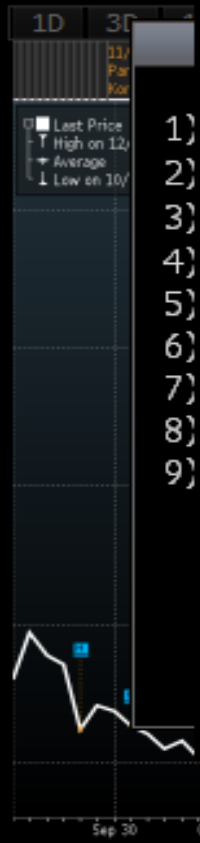
99) Options BFW Nov 07 2013 13:02:07 91) ☆

Czech Central Bank Approves First Koruna Sales in 11 Years

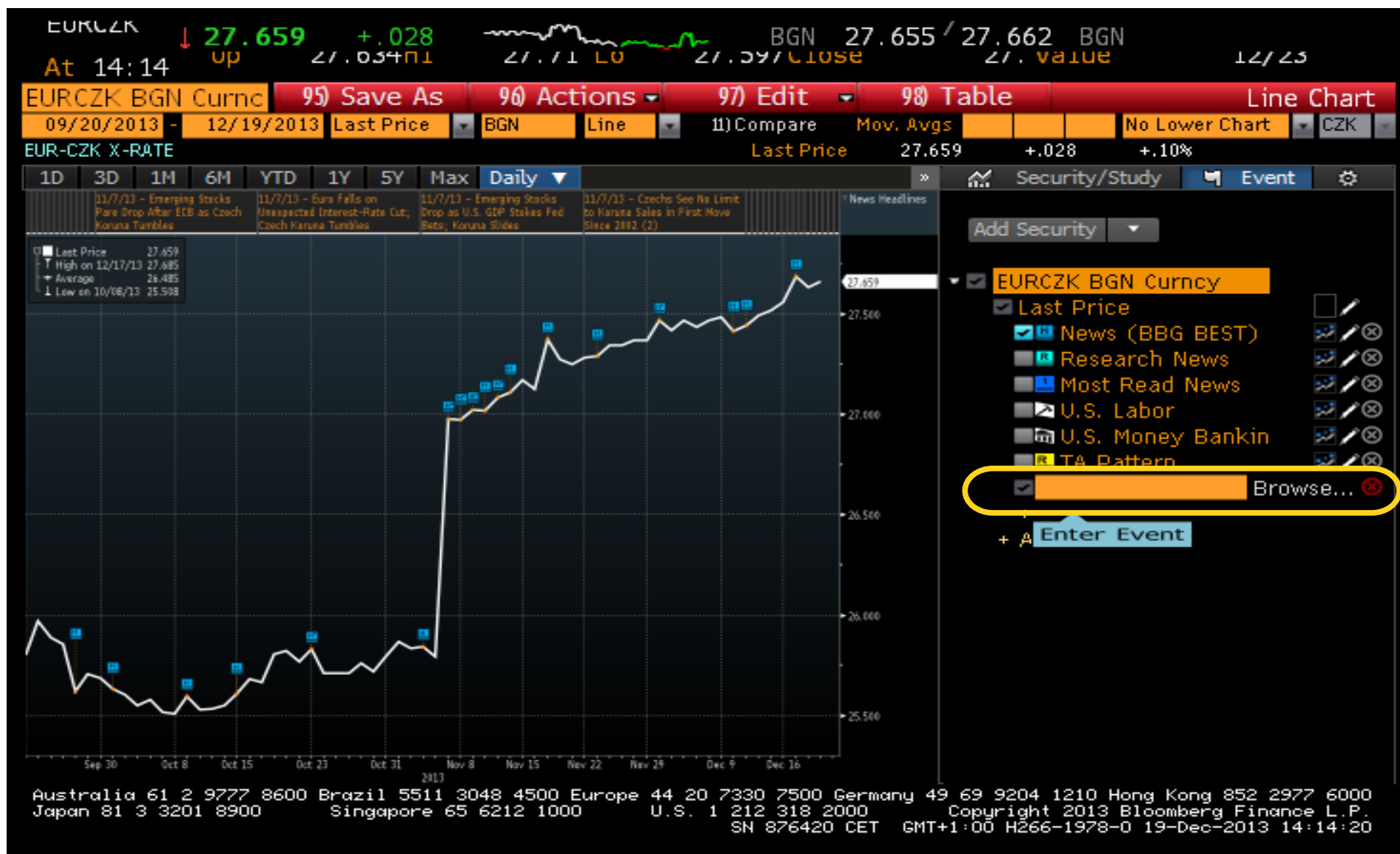
- 1) By Peter Laca
- 2) Nov. 7 (Bloomberg) -- Czech central bank board approves
- 3) start of currency interventions at monetary-policy meeting
- 4) today, bank says in statement on its website.
- 5) • Bank says will intervene to keep koruna to near 27/EUR in statement announcin
- 6) decision
- 7) • Bmark 2-wk repo rate left at what bank calls "technical zero" of 0.05%:
- 8) statement
- 9) • All 19 analysts in Bloomberg survey forecast bmark interest rate will be kept
- unchanged
- NOTE: Ceska Narodni Banka to hold news conference at 2:30pm in Prague
- NOTE: Central bank last time intervened to weaken koruna in 2002

For Related News and Information:  
 First Word scrolling panel: FIRST <GO>  
 First Word newswire: NH BFW <GO>

To contact the reporter on this story:  
 Peter Laca in Prague at +420-2-2442-2105 or  
 placa@bloomberg.net



# Vložení dalších událostí



1

EURCZK BGN Curnc 95) Save As 96) Actions 97) Edit 98) Table Line Chart

Select Event

Find an event by title or keyword

Add to 1 EURCZK BGN Curncy (Last Pric

Categories

- 4) All events >
- 5) Agriculture/Livestock >
- 6) Corp Actions
- 7) Crises >
- 8) Economic & Financial Co
- 9) Economic Releases >
- 10) Energy
- 11) FXET
- 12) Management
- 13) Market Sessions (Intrada
- 14) News/Research
- 15) Political Office
- 16) Ratings >
- 17) Strategies & Studies >
- 18) Tradebook (Futures)
- 19) Tradebook (US)
- 20) Tradebook (Global)

All events (437)

- Acquisitions
- ADV
- Analyst Recommendations
- Argentina Barley
- Argentina Corn
- Argentina Cotton
- Argentina Soybean
- Australia Barley
- Australia Canola
- Australia Cotton
- Australia GDP
- Australia Housing
- Australia Labor
- Australia Money Banking
- Australia Oats
- Australia Price
- Australia Rapeseed
- Australia Sales

Current Events

Custom News Search

Update Close

E

EURCZK BGN Curnc 95) Save As 96) Actions 97) Edit 98) Table Line Chart

Select Event

Find an event Economic Releases: Czech Republic

Add to 1 EURCZK BGN Curncy (Last Pric

Categories

- 4) All events >
- 5) Economic Releases >
- 6 Australia
- 7 Brazil
- 8 Canada
- 9 Chile
- 10 China
- 11 Colombia
- 12 Czech Republic
- 13 European Community
- 14 France
- 15 Germany
- 16 Hong Kong
- 17 Hungary
- 18 India
- 19 Indonesia
- 20 Israel
- 21 Italy

Czech Republic (7)

- Czech Republic Forex
- Czech Republic GDP
- Czech Republic Labor
- Czech Republic Money Banking
- Czech Republic Prices
- Czech Republic Production
- Czech Republic Sales

Current Events

- Custom News Search
- Czech Republic Money Banking
- Czech Republic Prices
- Czech Republic Labor

Update Close

Sep 30 Oct 8 Oct 15 Oct 23 Oct 31 2013 Nov 6 Nov 15 Nov 22 Nov 29 Dec 9 Dec 16

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000  
SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 14:15:37  
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EURCZK

↓ 27.651 +.020  
Up 27.03471



BGN 27.646 / 27.656 BGN  
27.11 LU 27.597 CLOSE 27. value

12/23

At 14:15

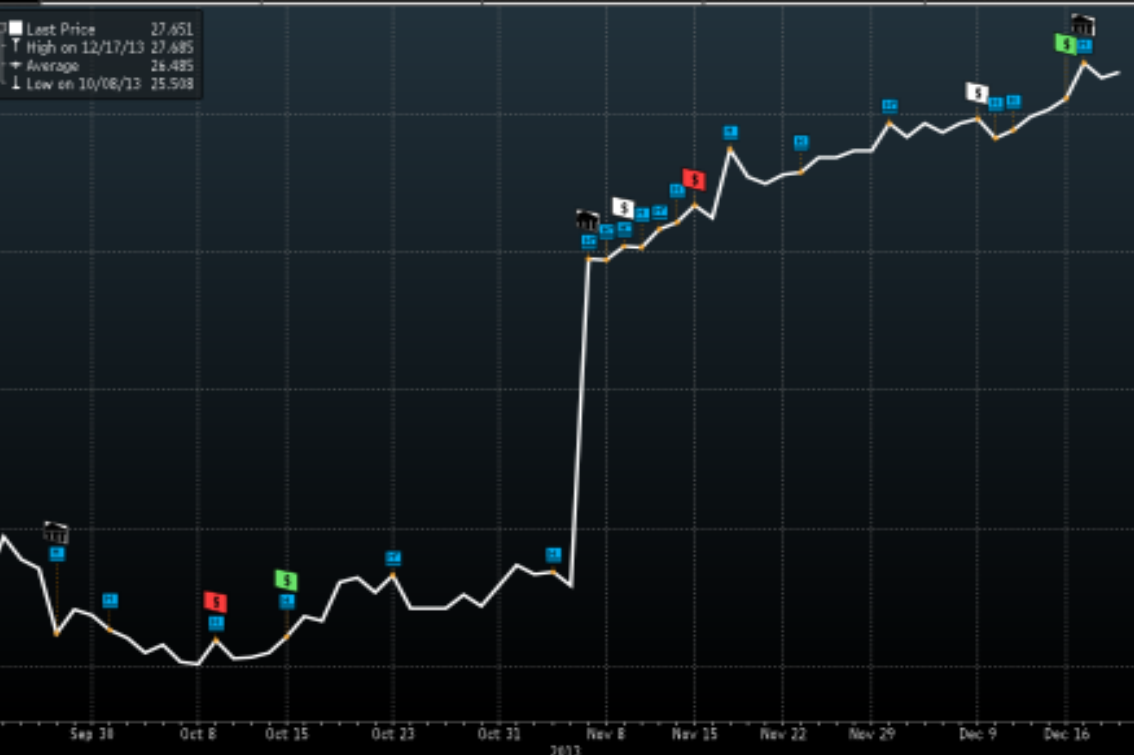
EURCZK BGN Currency 95) Save As 96) Actions 97) Edit 98) Table Line Chart

09/20/2013 - 12/19/2013 Last Price BGN Line 1) Compare Mov. Avgs No Lower Chart CZK

EUR-CZK X-RATE Last Price 27.651 +.020 +.07%

1D 3D 1M 6M YTD 1Y 5Y Max Daily Security/Study Event

12/2/13 - EU Nations Approve Two-Year Pact With China on Solar-Panel Trade  
12/2/13 - EU Nations Approve Two-Year Pact With China on Solar-Panel Trade  
12/10/13 - EU Parliament Approves Law to Enable Carbon-Market Rescue Plan  
12/11/13 - EU Brokers Deal on Bank Crisis Law With Creditor Write-downs  
12/17/13 - Czechs Keep Rates Near Zero as Korona Intervention Maintained



Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000  
SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 14:15:45  
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Add Security

- EURCZK BGN Currency
  - Last Price
  - News (BBG BEST)
  - Research News
  - Most Read News
  - U.S. Labor
  - U.S. Money Bankin
  - TA Pattern
  - Czech Republic M
  - Czech Republic Pr
  - Czech Republic La

+ Add Event  
+ Add Field

EURCZK

↓ 27.645 +.014  
UP 27.03471

BGN 27.640 / 27.651 BGN  
27.71 LU 27.597 CLOSE

27.645  
27.03471

12/23

At 14:17

EURCZK BGN Currency 95) Save As 96) Actions 97) Edit 98) Table Line Chart

09/20/2013 - 12/19/2013 Last Price BGN Line 1) Compare Mov. Avgs No Lower Chart CZK

EUR-CZK X-RATE

Last Price 27.645 +.014 +.05%

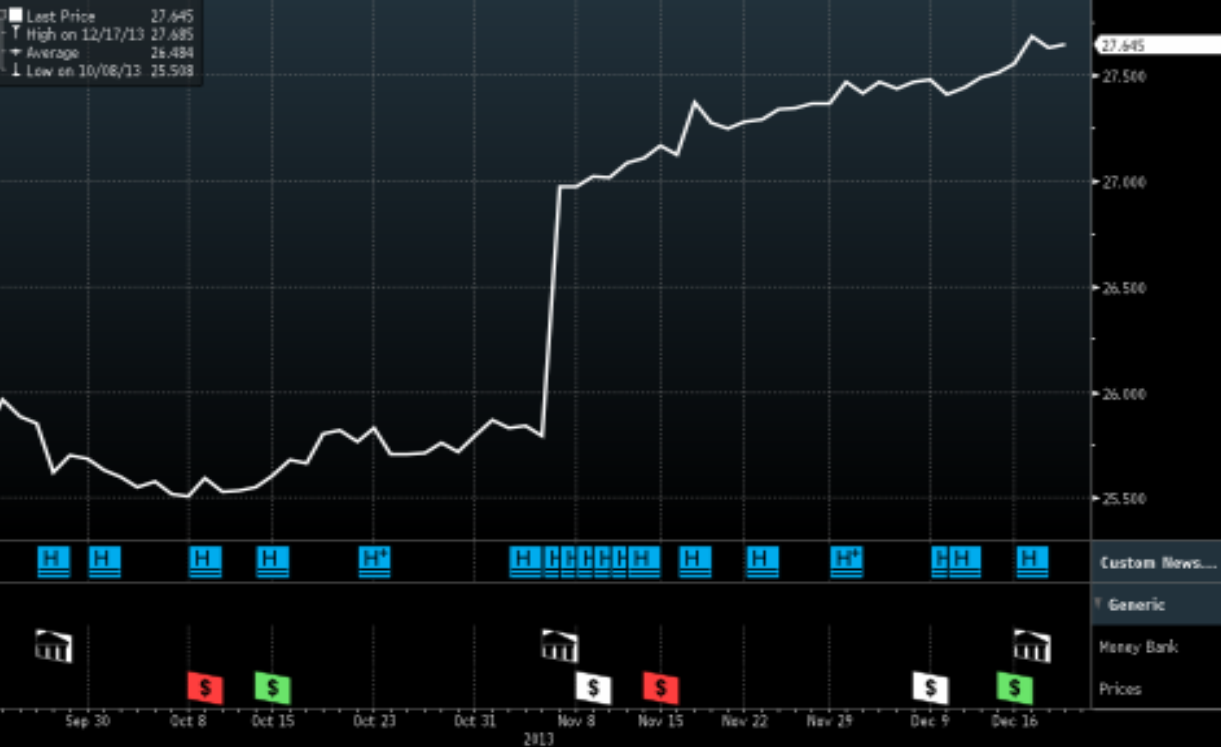
1D 3D 1M 6M YTD 1Y 5Y Max Daily

Security/Study Event

12/2/13 - EU Nations Approve Two-Year Pact With China on Solar-Panel Trade  
12/10/13 - EU Parliament Approves Law to Enable Carbon-Market Rescue Plan  
12/11/13 - EU Brokers Deal on Bank Crisis Law With Creditors Writedowns  
12/17/13 - Czechs Keep Rates Near Zero as Korona Intervention Maintained

News Headlines

Last Price 27.645  
High on 12/17/13 27.685  
Average 26.484  
Low on 10/08/13 25.538



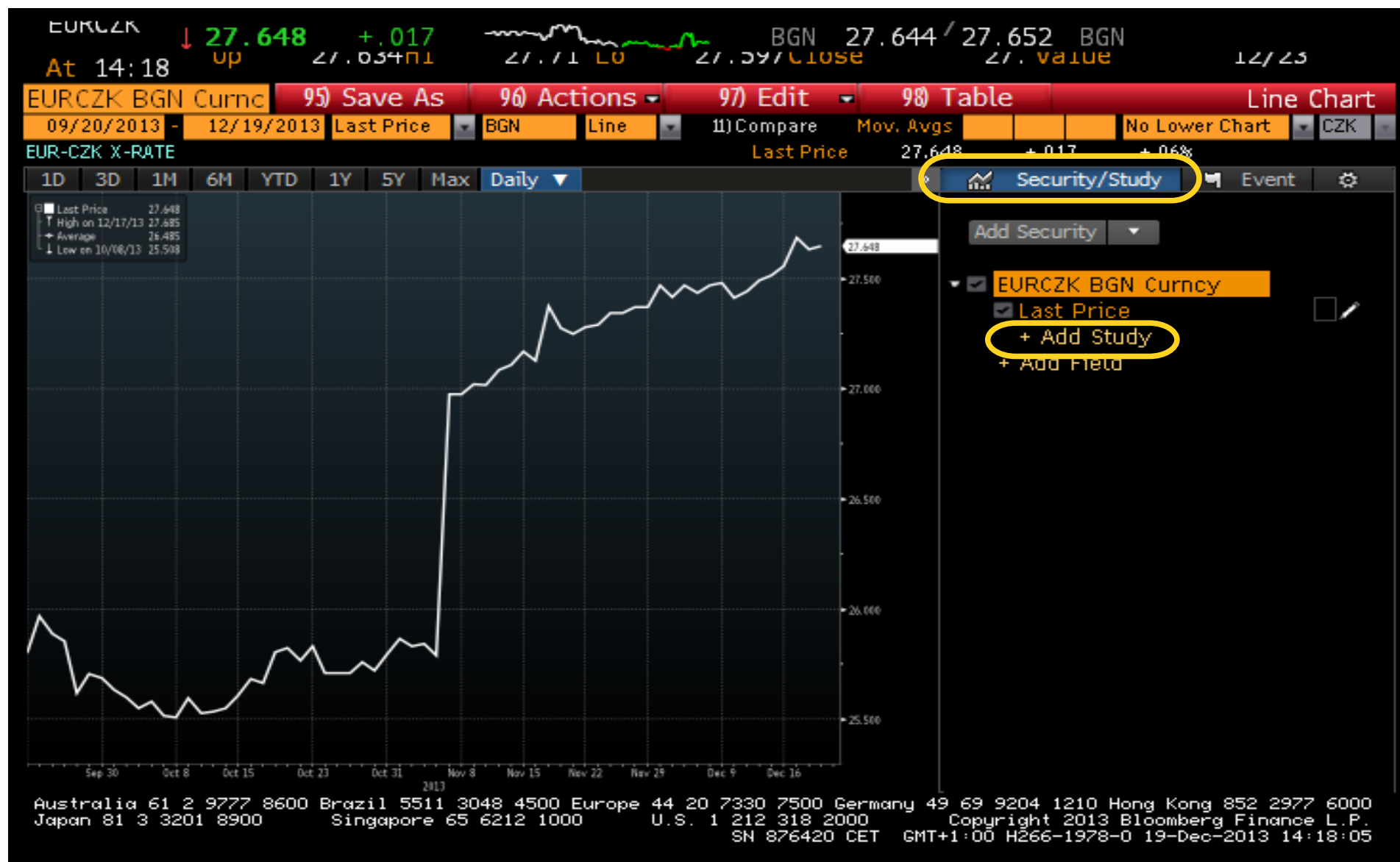
Add Security

EURCZK BGN Currency

- Last Price
- News (BBG BEST)
- Research News
- Most Read News
- U.S. Labor
- U.S. Money Bankin
- TA Pattern
- Czech Republic M
- Czech Republic Pr
- Czech Republic La
- + Add Event
- + Add Field

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000  
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SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 14:17:32

# Přidání analytických veličin





EURCZK

↑ 27.649 +.018  
At 14:18 UP 27.05471



BGN 27.645 / 27.652 BGN  
27.711 LO 27.597 CLOSE 27. value

12/23

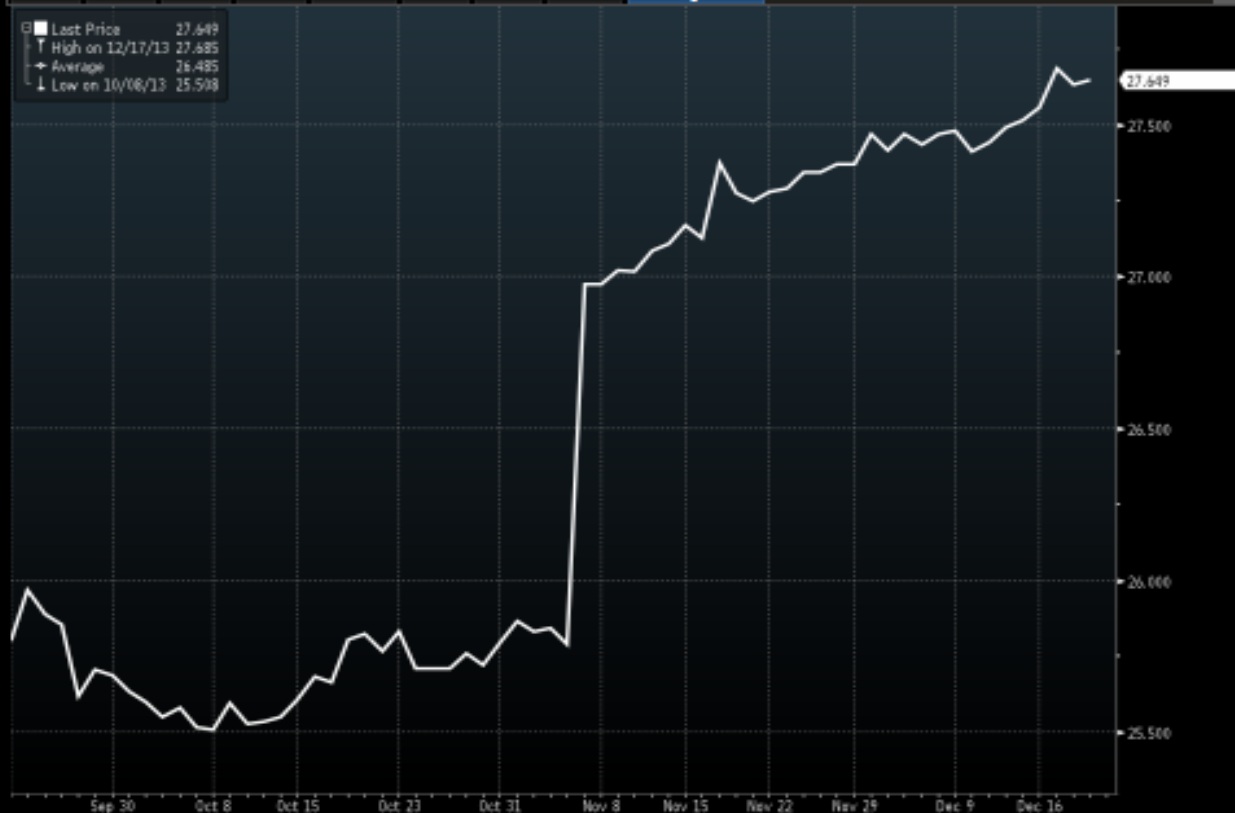
EURCZK BGN Curncy 95) Save As 96) Actions 97) Edit 98) Table Line Chart  
09/20/2013 - 12/19/2013 Last Price BGN Line 11) Compare Mov. Avgs No Lower Chart CZK

EUR-CZK X-RATE

Last Price 27.649 +.018 +.06%

1D 3D 1M 6M YTD 1Y 5Y Max Daily

Last Price 27.649  
High on 12/17/13 27.685  
Average 26.485  
Low on 10/06/13 25.598



Security/Study Event

Add Security

EURCZK BGN Curncy

Last Price

Browse...

Enter Study

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2013 Bloomberg Finance L.P.  
SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 14:18:13

# Výběr analytických nástrojů

1

EURCZK BGN Curnc 95) Save As 96) Actions 97) Edit 98) Table Line Chart

Select Study

Find a study by title or keyword Add to 1 EURCZK BGN Curncy (Last Pric

Categories

- 4) All standard studies
- 5) Popular
- 6) New
- 7) Momentum/Oscillators
- 8) Moving Avgs/Bands
- 9) Patterns
- 10) Statistical
- 11) Support Resistance
- 12) Trend Analysis
- 13) Bloomberg
- 14) 3rd Party Studies
- 15) User Defined

Popular (14)

- Bollinger Bands
- Candle Patterns
- Commodity Channel Index
- Directional Movement Index
- Ichimoku
- Moving Avg Conv/Divergence
- Moving Avg Oscillator
- Parabolic Studies
- Rate of Change
- Relative Strength Index
- Simple Moving Avg
- Stochastics

Bollinger Bands - Description

Bollinger Bands, developed by John Bollinger, are defined using the standard deviation from a simple moving average, an excellent measure of price volatility. The ...

3) More

Update Close

Sep 30 Oct 8 Oct 15 Oct 23 Oct 31 2013 Nov 8 Nov 15 Nov 22 Nov 29 Dec 9 Dec 16

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
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1

Select Study

Find a study by title or keyword

Add to 1 EURCZK BGN Curncy (Last Pric


Categories

- 4) All standard studies >
- 5) Popular
- 6) New
- 7) Momentum/Oscillators
- 8) Moving Avgs/Bands
- 9) Patterns
- 10) Statistical
- 11) Support Resistance
- 12) Trend Analysis
- 13) Bloomberg
- 14) 3rd Party Studies >
- 15) User Defined >

Moving Avgs/Bands (33)

- Moving Average
- Moving Avg - Adaptive
- Moving Avg - Exponential
- Moving Avg - Triangular
- Moving Avg - Variable
- Moving Avg - Weighted
- Moving Avg Conv/Divergence
- Moving Avg Envelopes
- Moving Avg Oscillator
- Moving Linear Regression
- Opening Range
- Pivot

Moving Linear Regression - Description



The Moving Linear Regression (MLR) study begins by fitting an unseen line to a set of data points. These points are specified by the Price and Period parameters. The ...

3) More

Update Close

EURCZK

↓ 27.649 +.018  
Up 27.03471

BGN 27.644 / 27.653 BGN  
27.771 LU 27.597 / Close

27. value

12/23

At 14:20

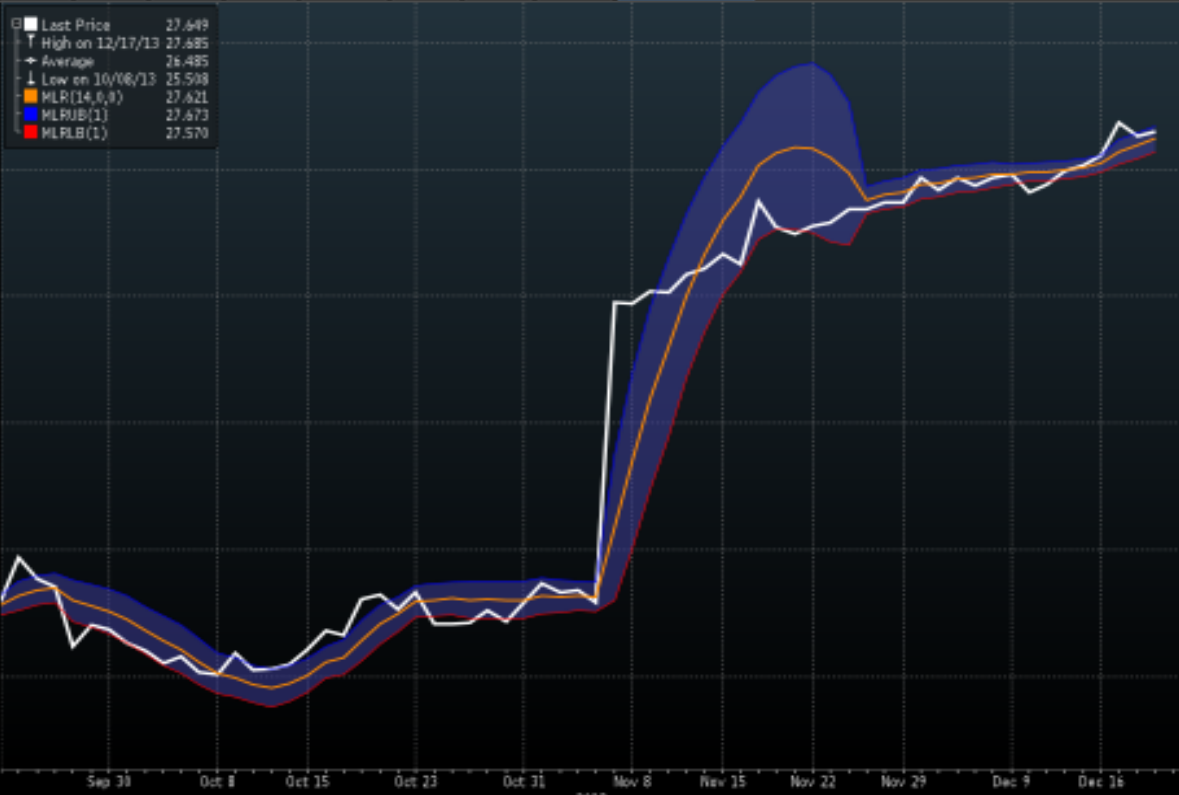
EURCZK BGN Currency 95) Save As 96) Actions 97) Edit 98) Table Line Chart

09/20/2013 - 12/19/2013 Last Price BGN Line 11) Compare Mov. Avgs No Lower Chart CZK

EUR-CZK X-RATE Last Price 27.649 +.018 +.06%

1D 3D 1M 6M YTD 1Y 5Y Max Daily Security/Study Event

- Last Price 27.649
- ↑ High on 12/17/13 27.685
- + Average 26.485
- ↓ Low on 10/06/13 25.598
- MLR(14,0,0) 27.621
- MLRUB(1) 27.673
- MLRLB(1) 27.570



Add Security

- EURCZK BGN Currency
  - Last Price
  - Moving Avg - Adaptive
  - ExpMA(50,0)
  - Moving Linear Regression
  - + Add Study
  - + Add Field

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000  
 SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 14:20:25  
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# Nastavení veličiny



# Parametry



1

EURCZK BGN Curnc 95) Save As 96) Actions 97) Edit 98) Table Line Chart  
09/20/2013 - 12/19/2013 Last Price BGN Line 11) Compare Mov. Avgs No Lower Chart CZK

EUR-CZK X-RATE Last Price 27.648 +.017 +.06%  
1D 3D 1M 6M YTD 1Y 5Y Max Daily Security/Study Event

Last Price 27.648  
High on 12/17/13 27.685  
Average 26.485  
Low on 10/06/13 25.508  
MLR(5,6,-1) 27.678  
MLRUB(1) 27.716  
MLRLB(1) 27.639

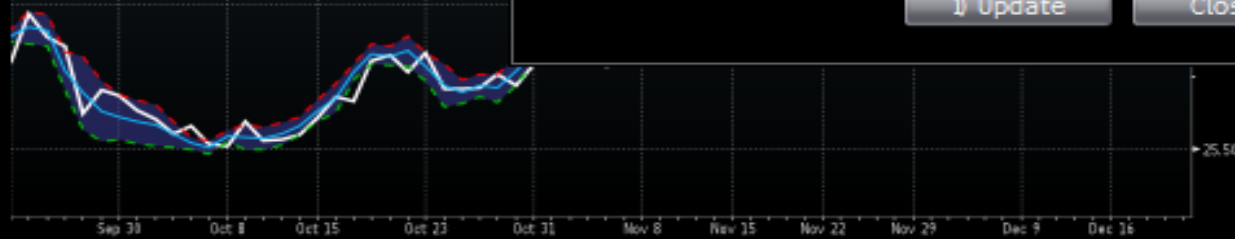
### Moving Linear Regression

1) Settings 2) Display 3) Description

Data Source	Close
MLR Period	5
Extension	0
Lead/Lag	-1
Band Type	StdErr
Upperband Factor	1
Lowerband Factor	1

Update Close

EURCZK BGN Curnc  
Last Price  
Moving Avg - Adaptive  
ExpMA(50,0)  
Moving Linear Regression  
Add Study  
Add Field



Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000  
SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 14:24:19  
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# Zobrazení





EURCZK

↑ 27.647 +.016  
At 14:24 Up 27.03471

BGN 27.644 / 27.651 BGN  
27.71 LO 27.597 CLOSE

27. value

12/23

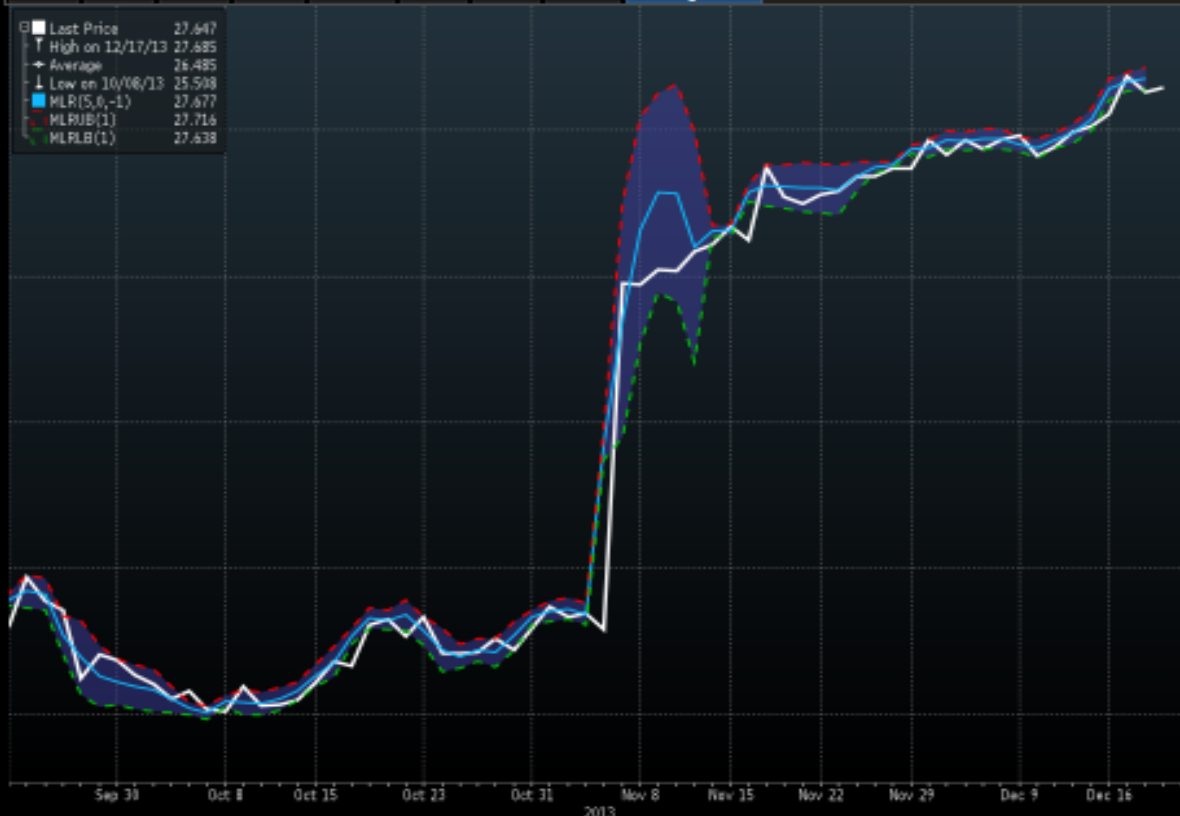
EURCZK BGN Curncy 95) Save As 96) Actions 97) Edit 98) Table Line Chart

09/20/2013 - 12/19/2013 Last Price BGN Line 11) Compare Mov. Avgs No Lower Chart CZK

EUR-CZK X-RATE Last Price 27.647 +.016 +.06%

1D 3D 1M 6M YTD 1Y 5Y Max Daily

■ Last Price 27.647  
↑ High on 12/17/13 27.685  
→ Average 26.485  
↓ Low on 10/06/13 25.508  
■ MLR(5,0,-1) 27.677  
■ MLRUB(1) 27.716  
■ MLRLB(1) 27.638



Security/Study Event

Add Security

EURCZK BGN Curncy

- Last Price
- Moving Avg - Adaptive
- ExpMA(50,0)
- Moving Linear Regression
- + Add Study
- + Add Field

EURCZK

↑ 27.642 +.011  
At 14:24 Up 27.03471

BGN 27.639 / 27.645 BGN  
27.71 LO 27.597 CLOSE

27. value

12/23

EURCZK BGN Curncy 95) Save As 96) Actions 97) Edit 98) Table Line Chart

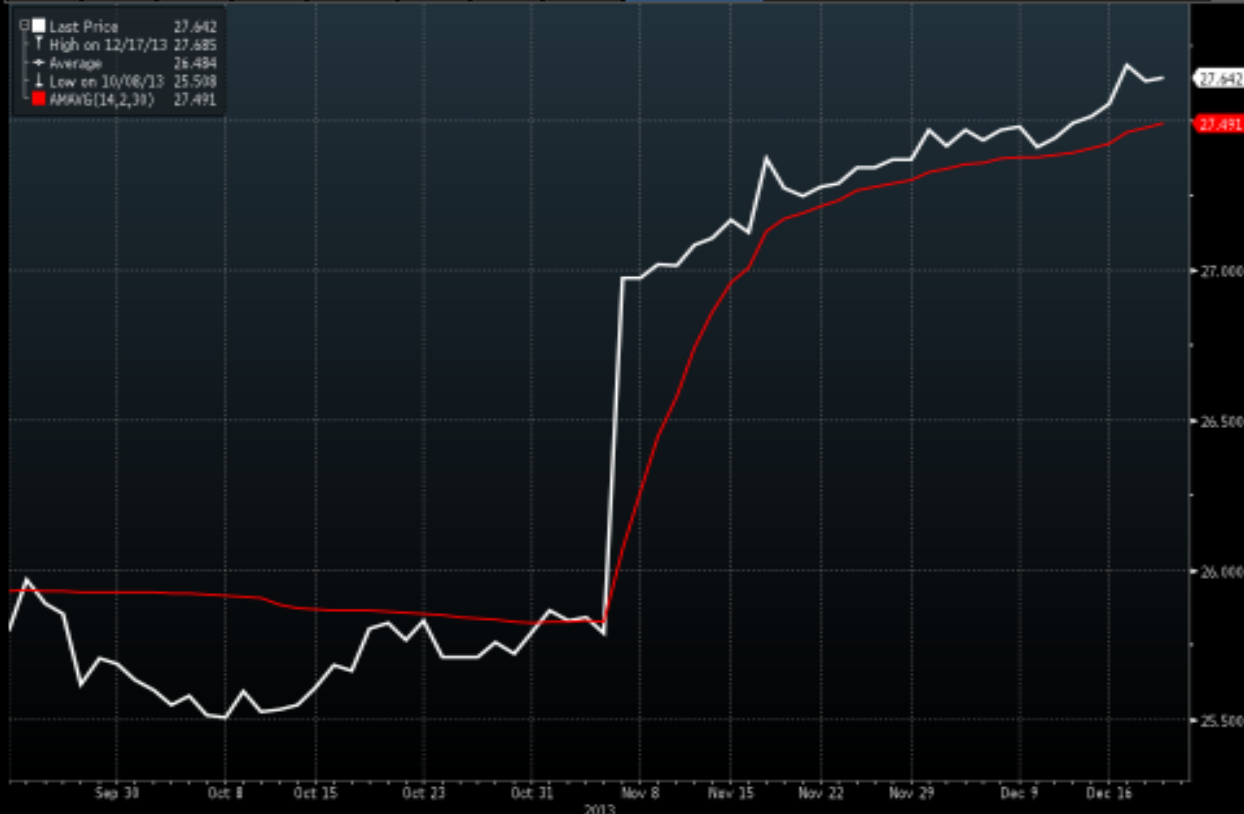
09/20/2013 - 12/19/2013 Last Price BGN Line 11) Compare Mov. Avgs No Lower Chart CZK

EUR-CZK X-RATE Last Price 27.642 +.011 +.04%

1D 3D 1M 6M YTD 1Y 5Y Max Daily

Security/Study Event

Last Price 27.642  
High on 12/17/13 27.685  
Average 26.484  
Low on 10/06/13 25.508  
AMA(14,2,30) 27.491



Add Security

EURCZK BGN Curncy

- Last Price
- Moving Avg - Adaptive
- ExpMA(50,0)
- Moving Linear Regressio
- + Add Study
- + Add Field

1

EURCZK BGN Curnc 95) Save As 96) Actions 97) Edit 98) Table Line Chart  
09/20/2013 - 12/19/2013 Last Price BGN Line 11) Compare Mov. Avgs No Lower Chart CZK

EUR-CZK X-RATE Last Price 27.642 +.011 +.04%  
1D 3D 1M 6M YTD 1Y 5Y Max Daily Security/Study Event

Last Price 27.642  
High on 12/17/13 27.685  
Average 26.484  
Low on 10/06/13 25.598  
AMA(14,2,30) 27.491

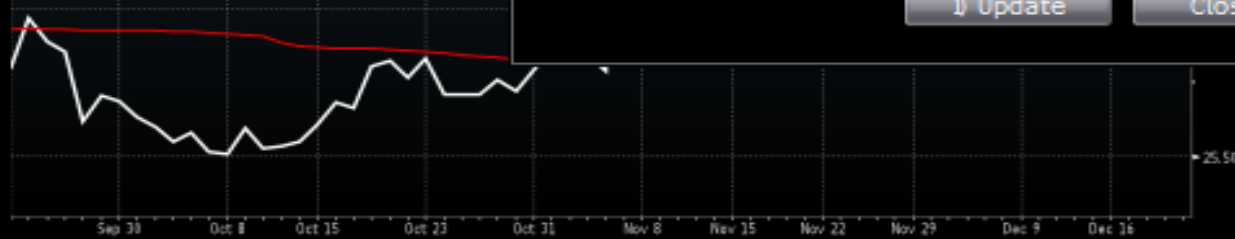
Moving Avg - Adaptive

11) Settings 12) Display 13) Description

AMA Period	14
Fast Period	2
Slow Period	30

Update Close

Security  
EURCZK BGN Curnc  
Last Price  
Moving Avg - Adaptive  
ExpMA(50,0)  
Moving Linear Regressio  
Add Study  
Add Field



Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000  
SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 14:24:51  
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1

EURCZK BGN Curnc 95) Save As 96) Actions 97) Edit 98) Table Line Chart  
09/20/2013 - 12/19/2013 Last Price BGN Line 11) Compare Mov. Avgs No Lower Chart CZK

EUR-CZK X-RATE Last Price 27.644 +.013 +.05%  
1D 3D 1M 6M YTD 1Y 5Y Max Daily Security/Study Event

Last Price 27.644  
High on 12/17/13 27.685  
Average 26.484  
Low on 10/06/13 25.508  
AMA(2,2,11) 27.598

Moving Avg - Adaptive

1) Settings 2) Display 3) Description

AMA Period 2  
Fast Period 2  
Slow Period 11

Update Close

RCZK BGN Curncy  
Last Price  
Moving Avg - Adaptive  
ExpMA(50,0)  
Moving Linear Regressio  
Add Study  
Add Field



Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2013 Bloomberg Finance L.P.  
SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 14:26:32

EURCZK

↑ 27.644 +.013  
Up 27.05471

BGN 27.639 / 27.649 BGN  
27.71 LO 27.597 CLOSE

27. value

12/23

At 14:26

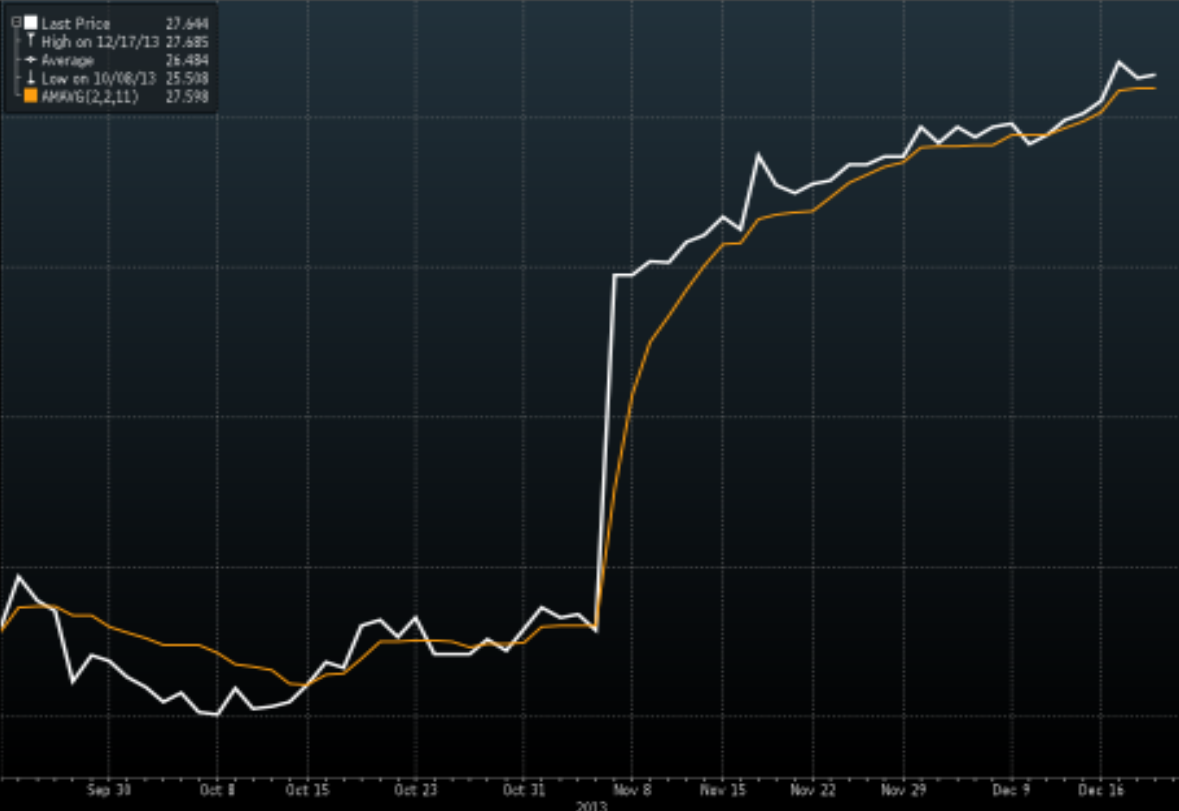
EURCZK BGN Currency 95) Save As 96) Actions 97) Edit 98) Table Line Chart

09/20/2013 - 12/19/2013 Last Price BGN Line 11) Compare Mov. Avgs No Lower Chart CZK

EUR-CZK X-RATE Last Price 27.644 +.013 +.05%

1D 3D 1M 6M YTD 1Y 5Y Max Daily Security/Study Event

Last Price 27.644  
High on 12/17/13 27.685  
Average 26.484  
Low on 10/06/13 25.508  
AMA(2,2,11) 27.598



Add Security

- EURCZK BGN Currency
  - Last Price
  - Moving Avg - Adaptive (checked)
  - ExpMA(50,0)
  - Moving Linear Regression
  - Add Study
  - Add Field

E

EURCZK BGN Curnc 95) Save As 96) Actions 97) Edit 98) Table Line Chart  
 09/20/2013 - 12/19/2013 Last Price BGN Line 11) Compare Mov. Avgs No Lower Chart CZK

EUR-CZK X-RATE Last Price 27.642 +.011 +.04%  
 1D 3D 1M 6M YTD 1Y 5Y Max Daily Security/Study Event

Last Price 27.642  
 High on 12/17/13 27.685  
 Average 26.484  
 Low on 10/06/13 25.538  
 EMMA(2)>>5 27.639

ExpMA

11) Settings 12) Display 13) Description

Price Close  
 Period 2  
 Offset 0

Update Close

RCZK BGN Curnc  
 Last Price  
 Moving Avg - Adaptive  
 ExpMA(2,5)  
 Moving Linear Regressio  
 Add Study  
 Add Field



Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000  
 SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 14:28:54

EURCZK

↓ 27.642 +.011  
Up 27.03471

BGN 27.639 / 27.646 BGN  
27.71 LO 27.597 CLOSE

27. value

12/23

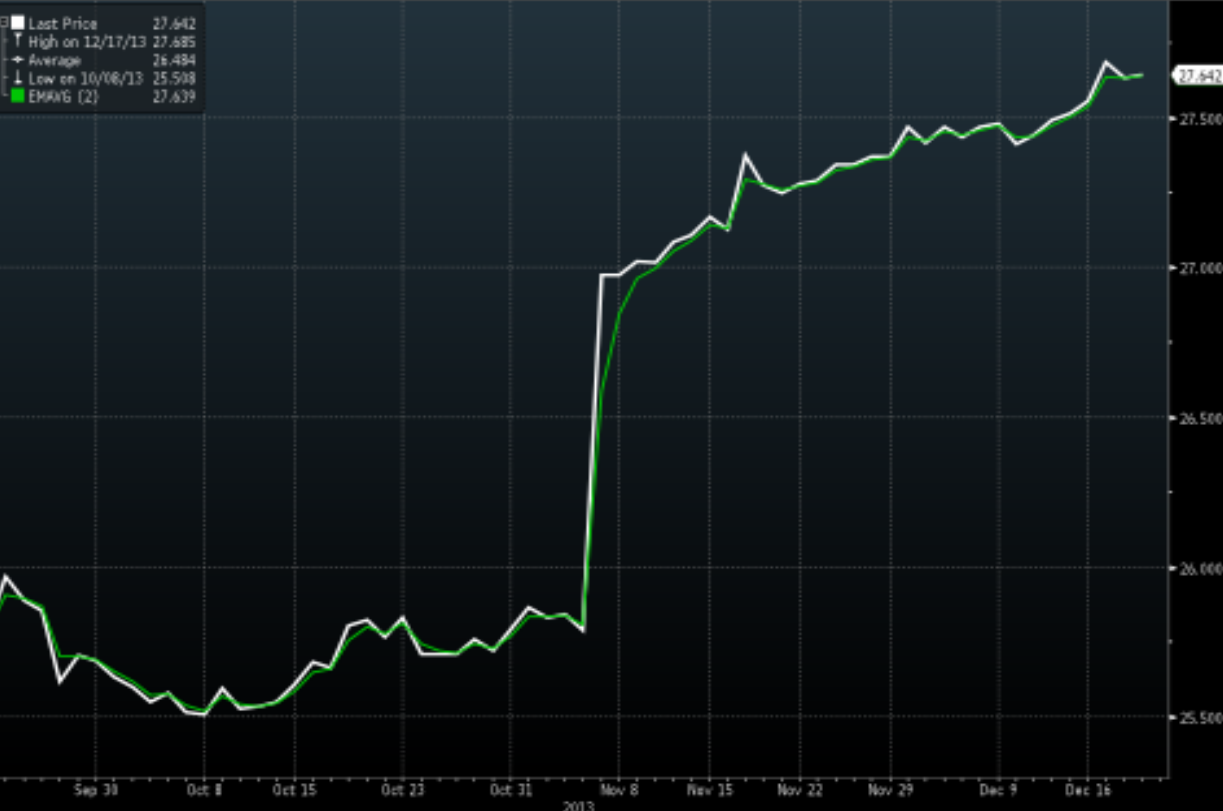
At 14:28

EURCZK BGN Curncy 95) Save As 96) Actions 97) Edit 98) Table Line Chart

09/20/2013 - 12/19/2013 Last Price BGN Line 11) Compare Mov. Avgs No Lower Chart CZK

EUR-CZK X-RATE Last Price 27.642 +.011 +.04%

1D 3D 1M 6M YTD 1Y 5Y Max Daily Security/Study Event



Add Security

- EURCZK BGN Curncy
  - Last Price
  - Moving Avg - Adaptive
  - ExpMA(2,0)
  - Moving Linear Regressio
  - + Add Study
  - + Add Field

# Zrušíme zoom





# Změníme období



EURCZK

↓ 27.637 +.006  
At 14:36 Up 27.034711

BGN 27.633 / 27.640 BGN  
27.71 LU 27.597 CLOSE 27. value

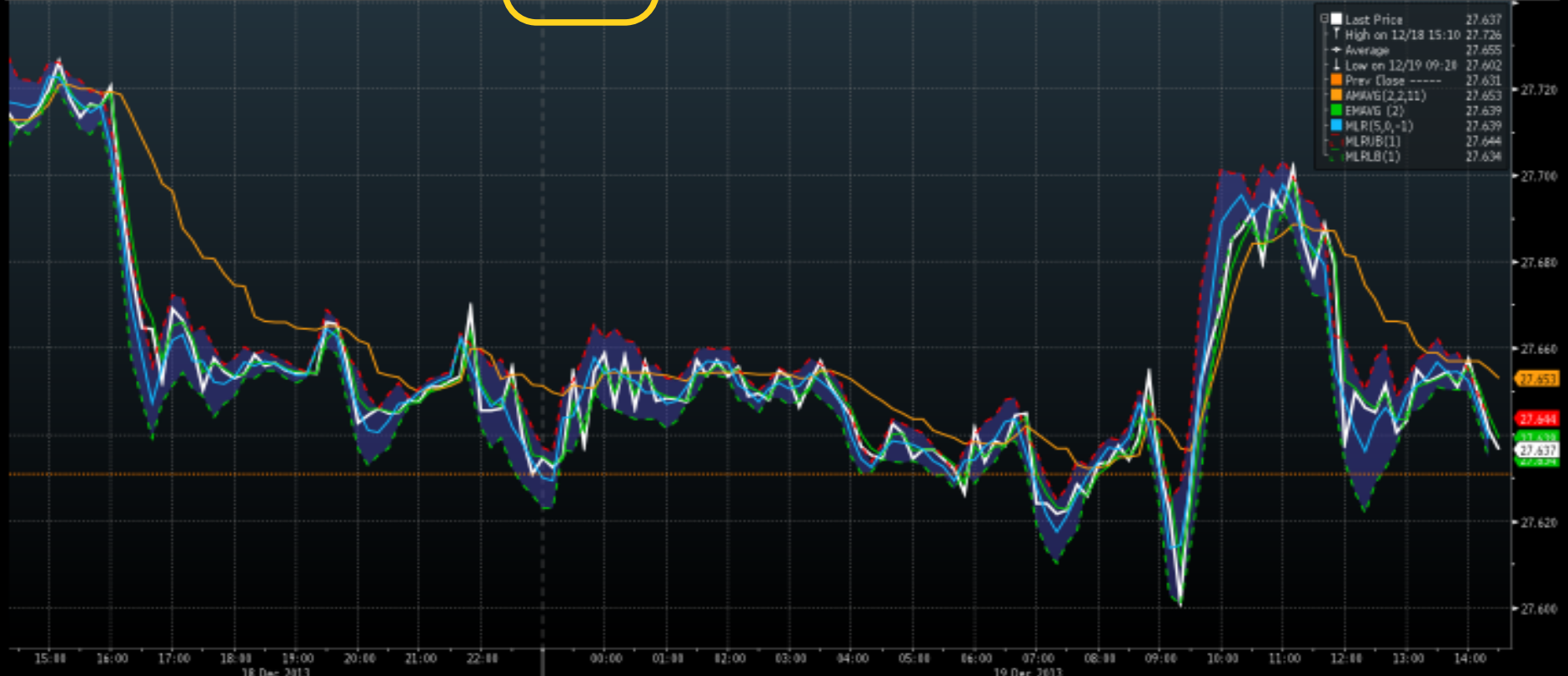
12/23

EURCZK BGN Curnc 95) Save As 96) Actions 97) Edit 98) Table Line Chart

Period 10 Range 1 23:00 - 22:59 Line 11) Compare Mov. Avgs No Lower Chart

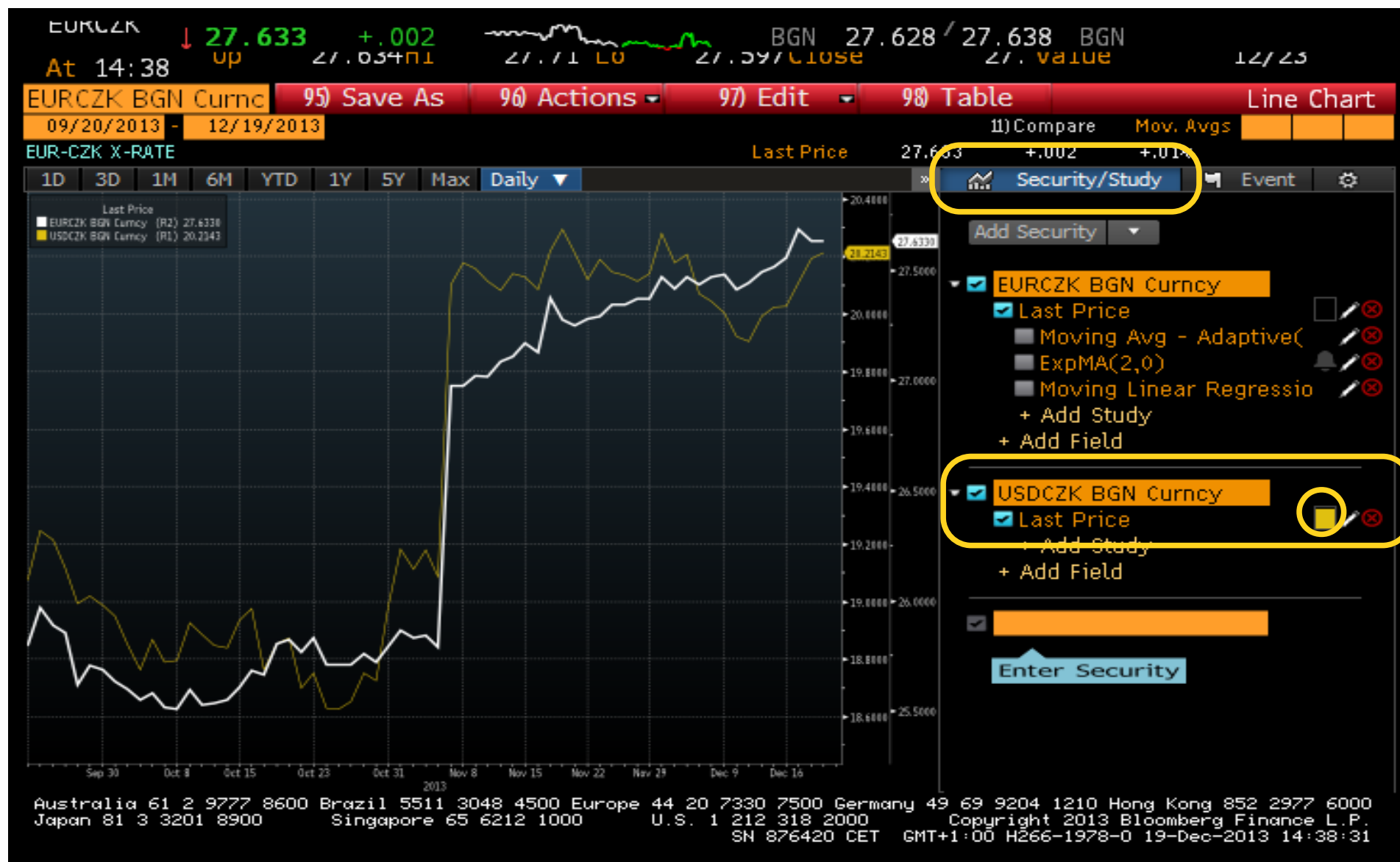
EUR-CZK X-RATE

1D 3D 1M 6M YTD 1Y 5Y Max 10 Min Security/Study Event



Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000  
 Copyright 2013 Bloomberg Finance L.P.  
 SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 14:36:15

# Vložení další veličiny



EURCZK

↓ 27.634 +.003  
Up 27.03471

BGN 27.628 / 27.639 BGN  
27.71 LU 27.597 CLOSE

27. value

12/23

At 14:38

EURCZK BGN Curnc 95) Save As 96) Actions 97) Edit 98) Table Line Chart

09/20/2013 - 12/19/2013

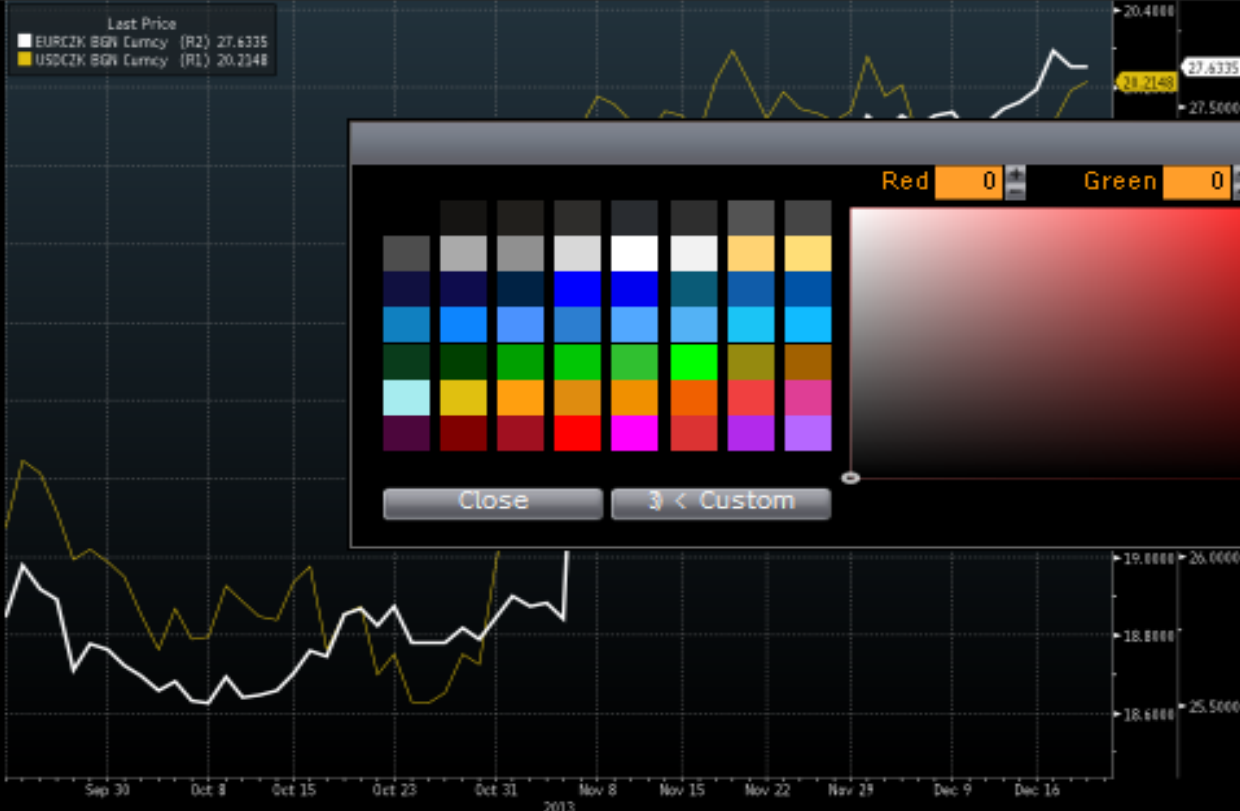
1) Compare Mov. Avgs

EUR-CZK X-RATE

Last Price 27.634 +.003 +.01%

1D 3D 1M 6M YTD 1Y 5Y Max Daily

Security/Study Event



**Color Picker**

Red 0 Green 0 Blue 0

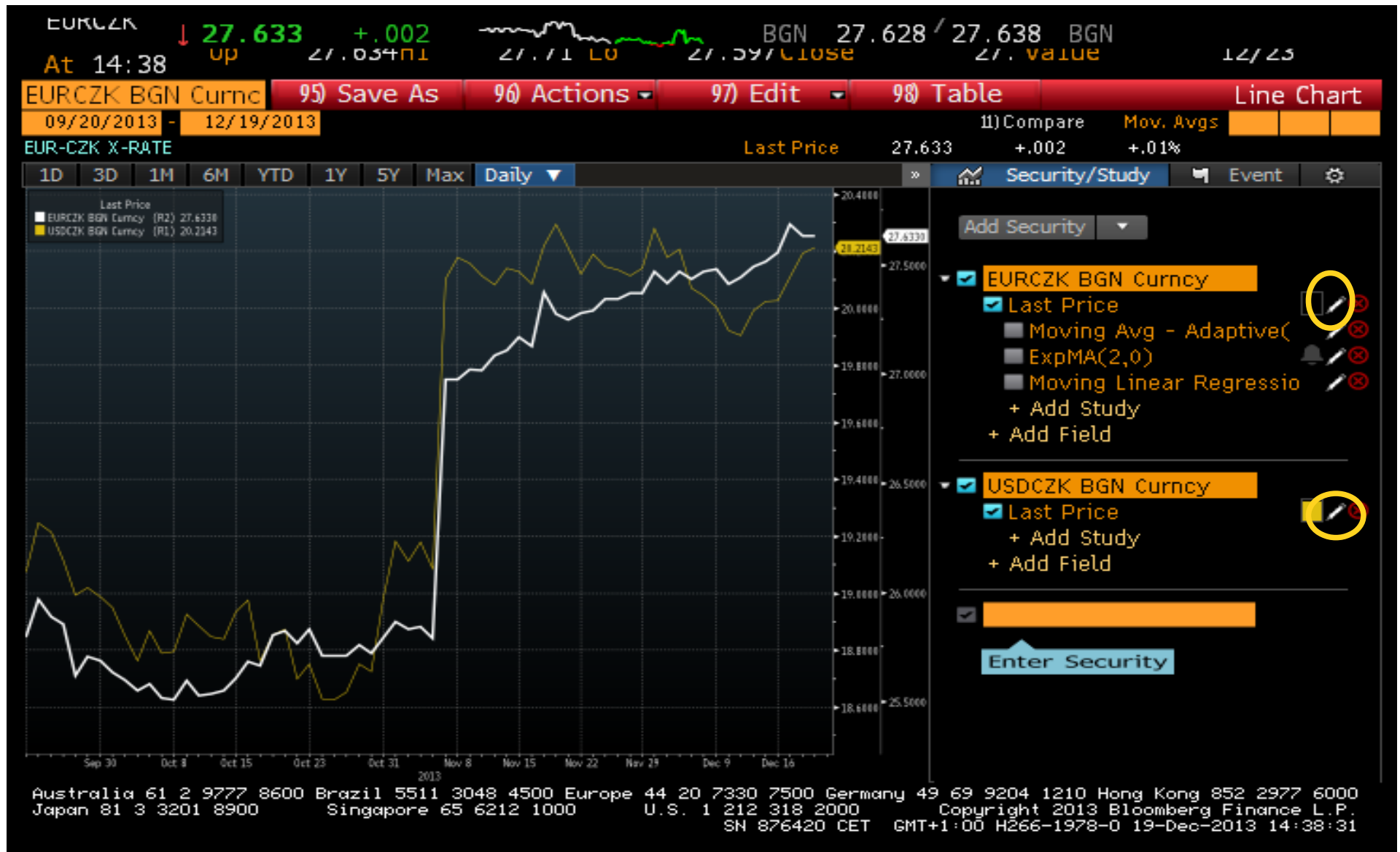
Close Custom Update

- Curnc
- avg - Adaptive(
- 0)
- Linear Regressio
- y
- Curnc
- y

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000  
 SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 14:38:41

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# Nastavení



# Nastavení

1

Property Manager

Settings For **USDCZK BGN Currency (Last Pr)**

**Data Field**

Property	USDCZK BGN Currency	SPX Index
Security	USDCZK BGN Currency	SPX Index
Data	Last Price (PR005)	Last Price (PR005)
Multiplier	1	1
Constant	0	0
Session	Day	Day
Currency	Local CUR	Local CUR
Source	BGN	

**Spread or ratio?** None

**Display**

Type	Line
Color	
Style	Solid
Width	1
Marker	None
Panel	1
Y-axis	Auto Select

Mark high/low

- Full Range
- View Range

Update Close

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2013 Bloomberg Finance L.P.  
SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 14:38:59

# Nastavení

1

Property Manager

Settings For **EURCZK BGN Currency (Last Pr)**

**Data Field**

Property	Value
Security	EURCZK BGN Currency
Data	Last Price (PR005)
Multiplier	1
Constant	0
Session	Day
Currency	Local CUR
Source	BGN

**Spread or ratio?** None

Property	Value
Security	SPX Index
Data	Last Price (PR005)
Multiplier	1
Constant	0
Session	Day
Currency	Local CUR
Source	

**Display**

Property	Value
Type	Line
Color	
Style	Solid
Width	3
Marker	None
Panel	1
Y-axis	Auto Select

Mark high/low

- Full Range
- View Range

Update Close

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2013 Bloomberg Finance L.P.  
SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 14:39:36

EURCZK

↑ 27.637 +.006  
At 14:40 Up 27.054711

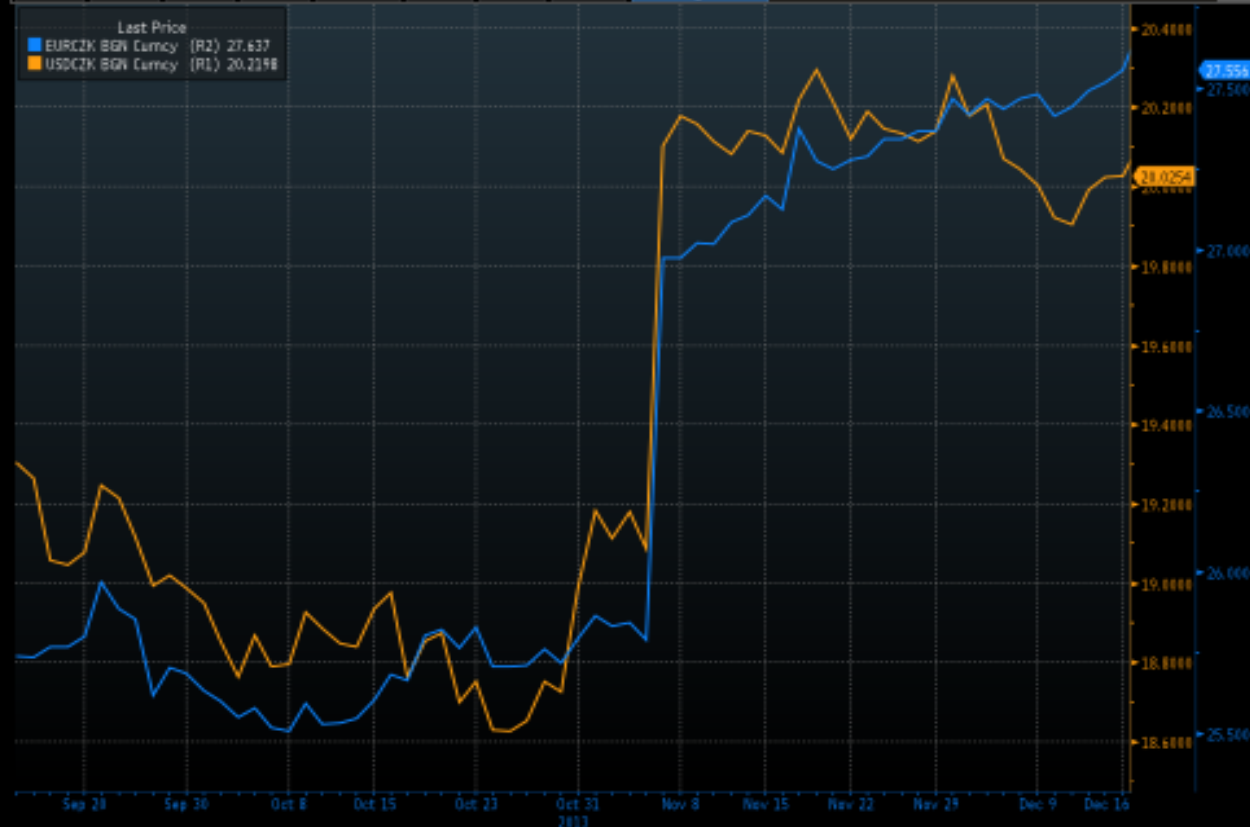
BGN 27.631 / 27.643 BGN  
27.711 LO 27.597 CLOSE

27. Value 12/23

EURCZK BGN Curnc 95) Save As 96) Actions 97) Edit 98) Table Line Chart  
09/20/2013 - 12/19/2013

EUR-CZK X-RATE Last Price 27.637 +.006 +.02%

1D 3D 1M 6M YTD 1Y 5Y Max Daily Security/Study Event



Add Security

- EURCZK BGN Curnc
  - Last Price
  - Moving Avg - Adaptive
  - ExpMA(2,0)
  - Moving Linear Regressio
  - + Add Study
  - + Add Field
- USDCZK BGN Curnc
  - Last Price
  - + Add Study
  - + Add Field



EURCZK

↓ 27.637 +.006  
Up 27.034711

BGN 27.629 / 27.644 BGN  
27.71 LO 27.597 CLOSE

27. value

12/23

At 14:41

EURCZK BGN Currency 95) Save As 96) Actions 97) Edit 98) Table Line Chart

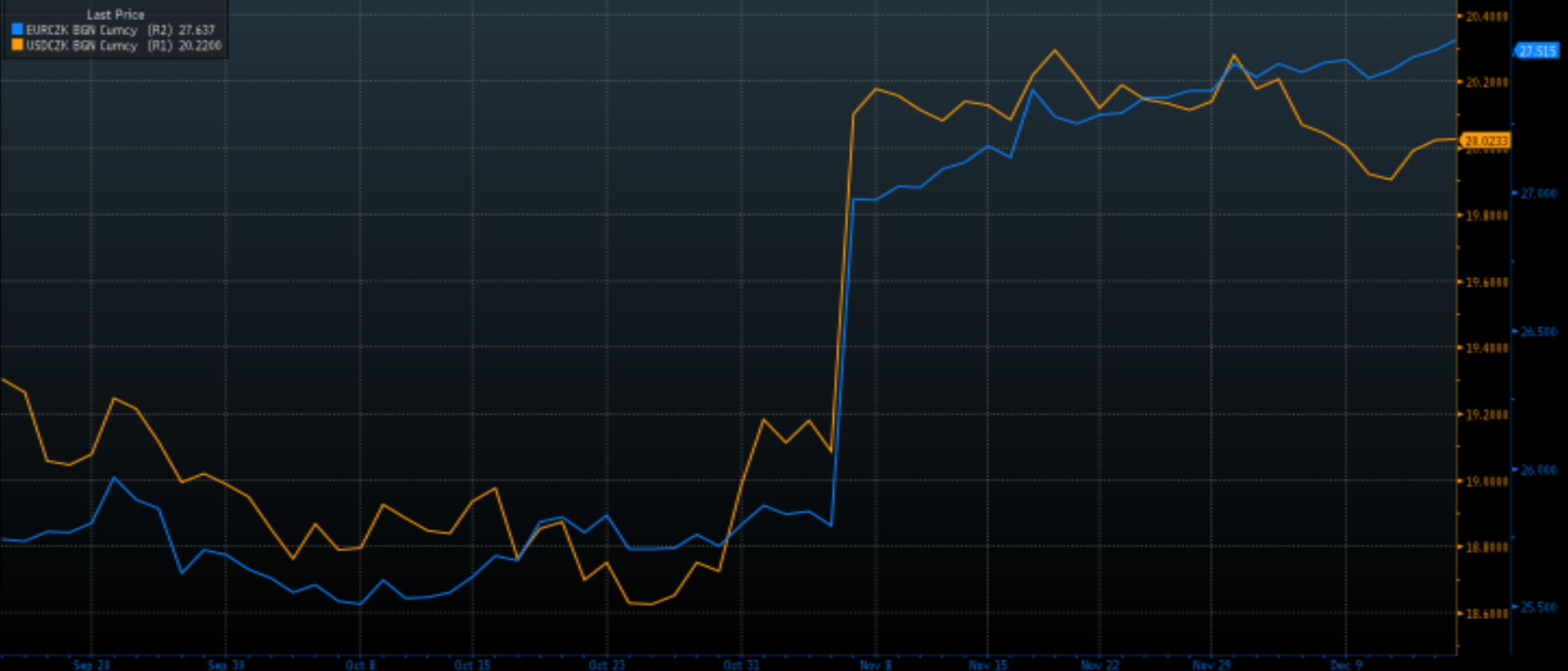
09/20/2013 - 12/19/2013

1) Compare Mov. Avgs

EUR-CZK X-RATE

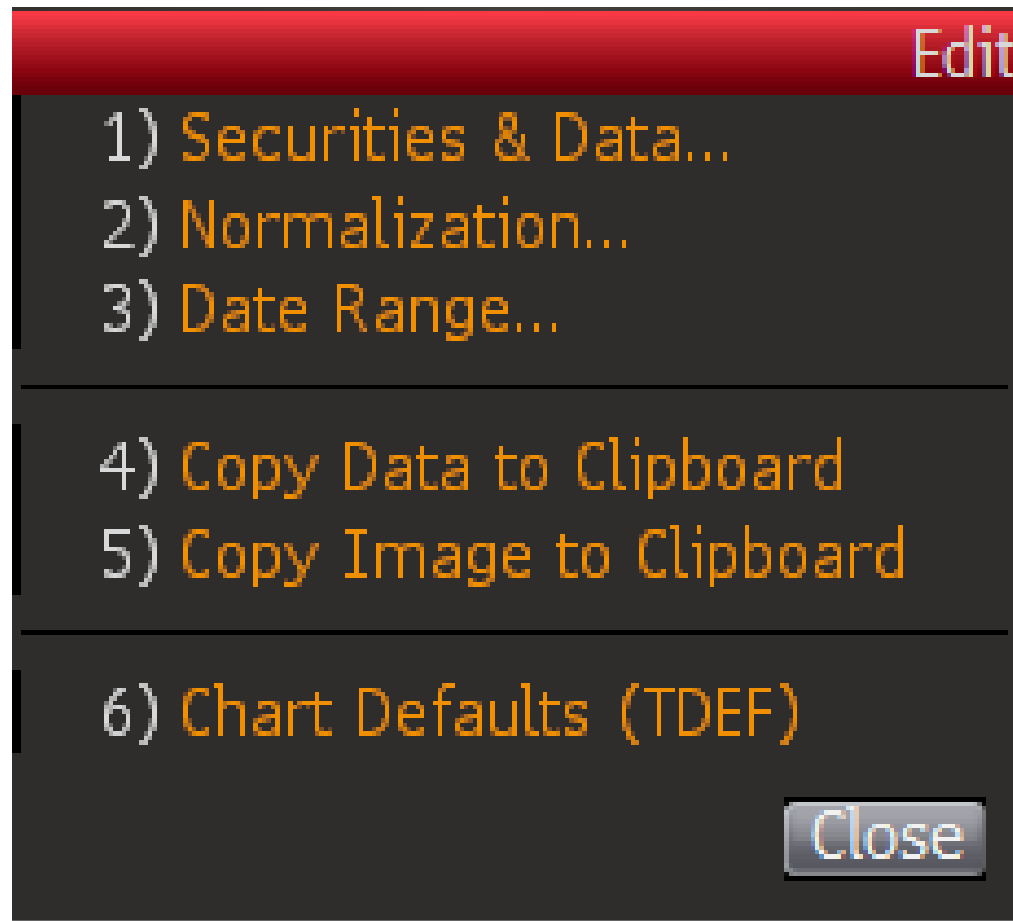
Last Price 27.637 +.006 +.02%

1D 3D 1M 6M YTD 1Y 5Y Max Daily Security/Study Event



Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000  
 SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 14:41:38  
 Copyright 2013 Bloomberg Finance L.P.

97 Edit → Zvolíme jednu z možností 1 / 2 / 3





# Normalizace

Property Manager

Settings For **Chart**

21) Data Field 22) Normalization 24) Date Range 25) Legend

Normalize Panel 1 by **EURC** as of Chart Start Date 09/20/2013 Axis Side Left

EURCZK BGN Currency L1

USDCZK BGN Currency L1

Update Close

2013

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2013 Bloomberg Finance L.P.  
SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 14:44:54

EURCZK

↑ 27.639 +.007  
At 14:45 Up 27.034711

BGN 27.634 / 27.643 BGN  
27.711 LO 27.597 CLOSE

27. value

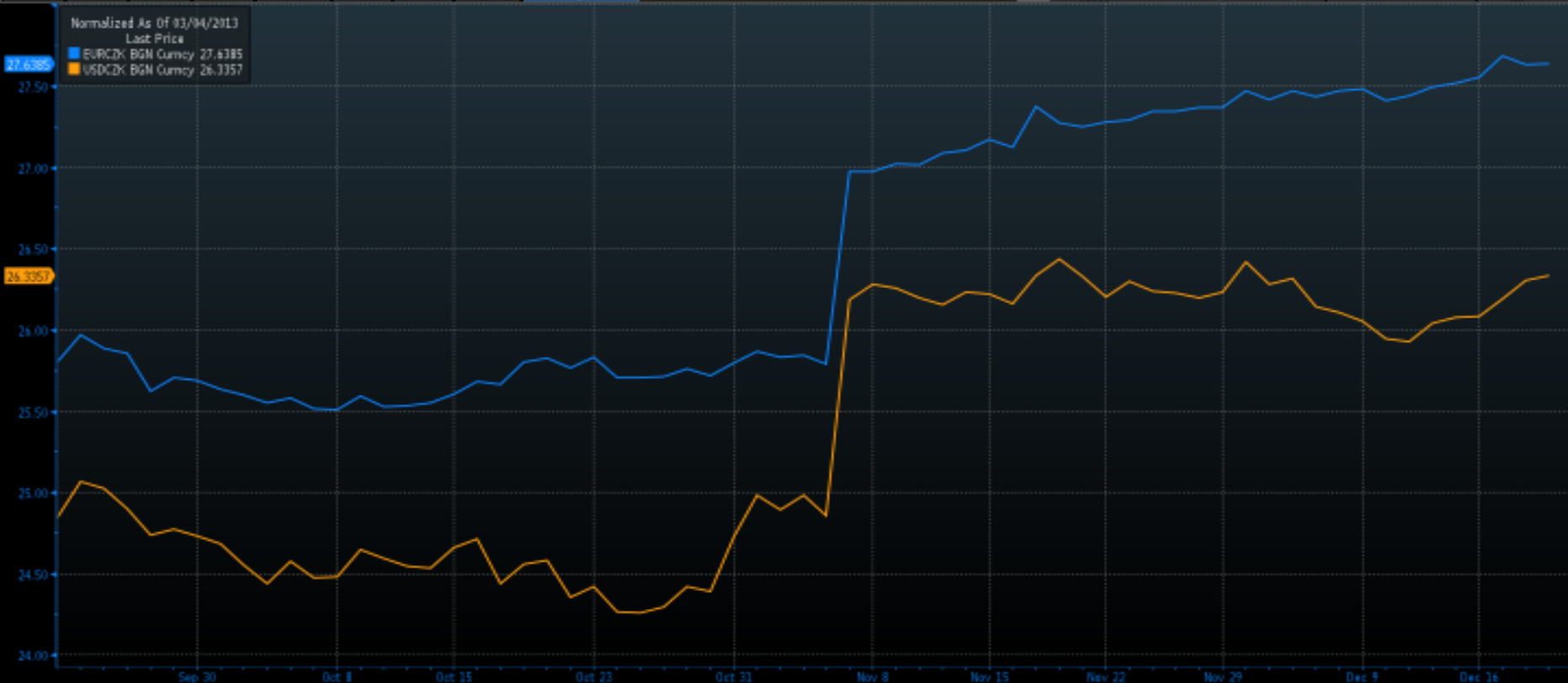
12/23

EURCZK BGN Curnc 95) Save As 96) Actions 97) Edit 98) Table Line Chart  
09/20/2013 - 12/19/2013 1) Compare Mov. Avgs

EUR-CZK X-RATE

Last Price 27.639 +.007 +.03%

1D 3D 1M 6M YTD 1Y 5Y Max Daily Security/Study Event



Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000  
 Copyright 2013 Bloomberg Finance L.P.  
 SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 14:45:01

1

Property Manager

Settings For **Chart**

21) Data Field 22) Normalization 24) Date Range 25) Legend

1) Add Series  Link Same Securities  Show Price as Yield Local CUR

	Panel	Axis	Security	Data Field	Multi	Spread	Security	Data Field	Multi
	1	R1	EURCZK BGN Cu	Last Price	1	None			1
	1	L1	USDCZK BGN Cu	Last Price	1	None			1

Update Close

2013

EURCZK

↓ 27.639 +.008  
Up 27.03471



BGN 27.633 / 27.645 BGN  
27. value

12/23

At 14:45

EURCZK BGN Curnc 95) Save As 96) Actions 97) Edit 98) Table Line Chart

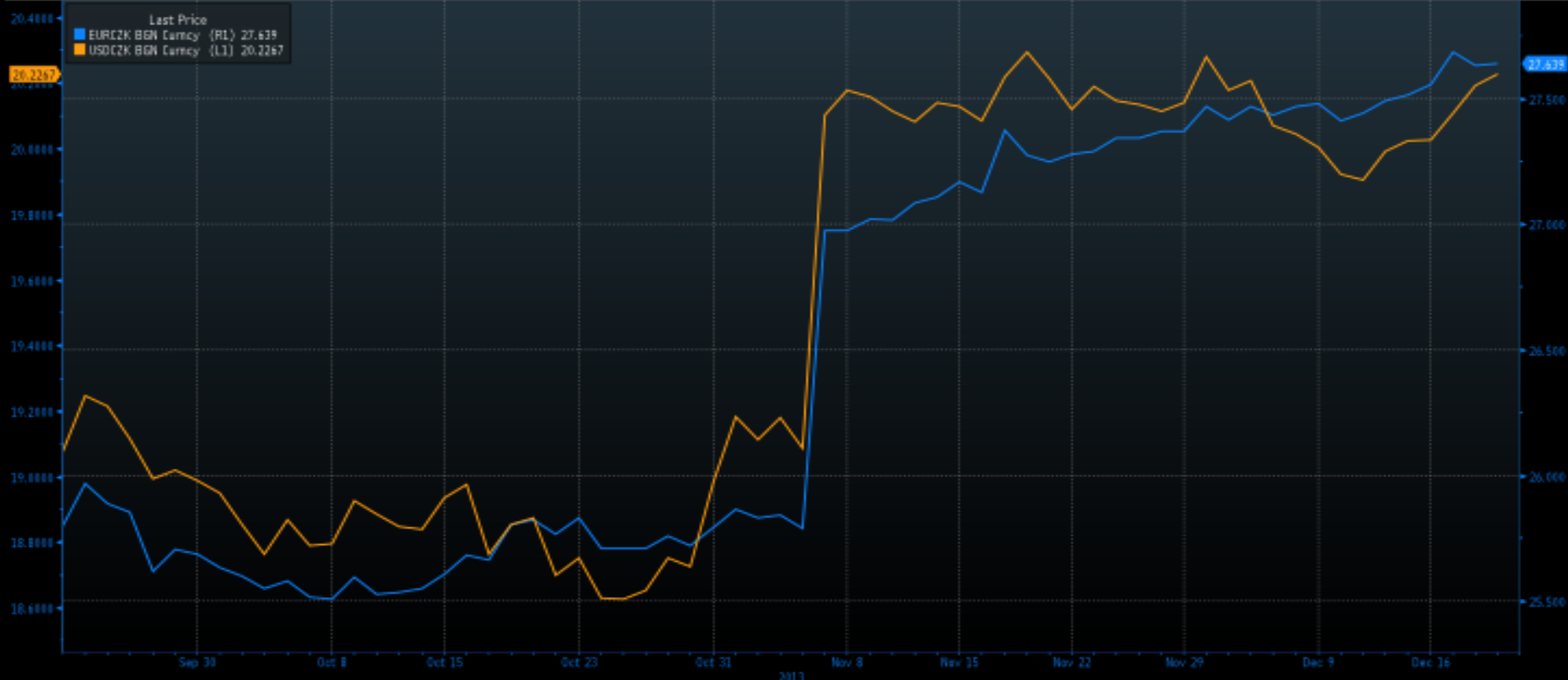
09/20/2013 - 12/19/2013

1) Compare Mov. Avgs

EUR-CZK X-RATE

Last Price 27.639 +.008 +.03%

1D 3D 1M 6M YTD 1Y 5Y Max Daily Security/Study Event



Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000  
 SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 14:45:51

Copyright 2013 Bloomberg Finance L.P.

# Komplexnější grafy





# 97 Edit → Volba 1

1

EURCZK BGN Cu 01/01/01  
EUR-CZK  
1D

Property Manager

Settings For Chart

23 Data Field 23 Normalization 24 Date Range 25 Legend

1) Add Series  Link Same Securities  Show Price as Yield Local CUR

	Panel	Axis	Security	Data Field	Multi	Spread	Security	Data Field	Multi	
	1	R1	EURCZK BGN Cu	Last Price	1	None			1	⊗
	1	Aut	USDCZK BGN Cu	Last Price	1	None			1	⊗

20.2388

20.0000

19.5000

19.0000

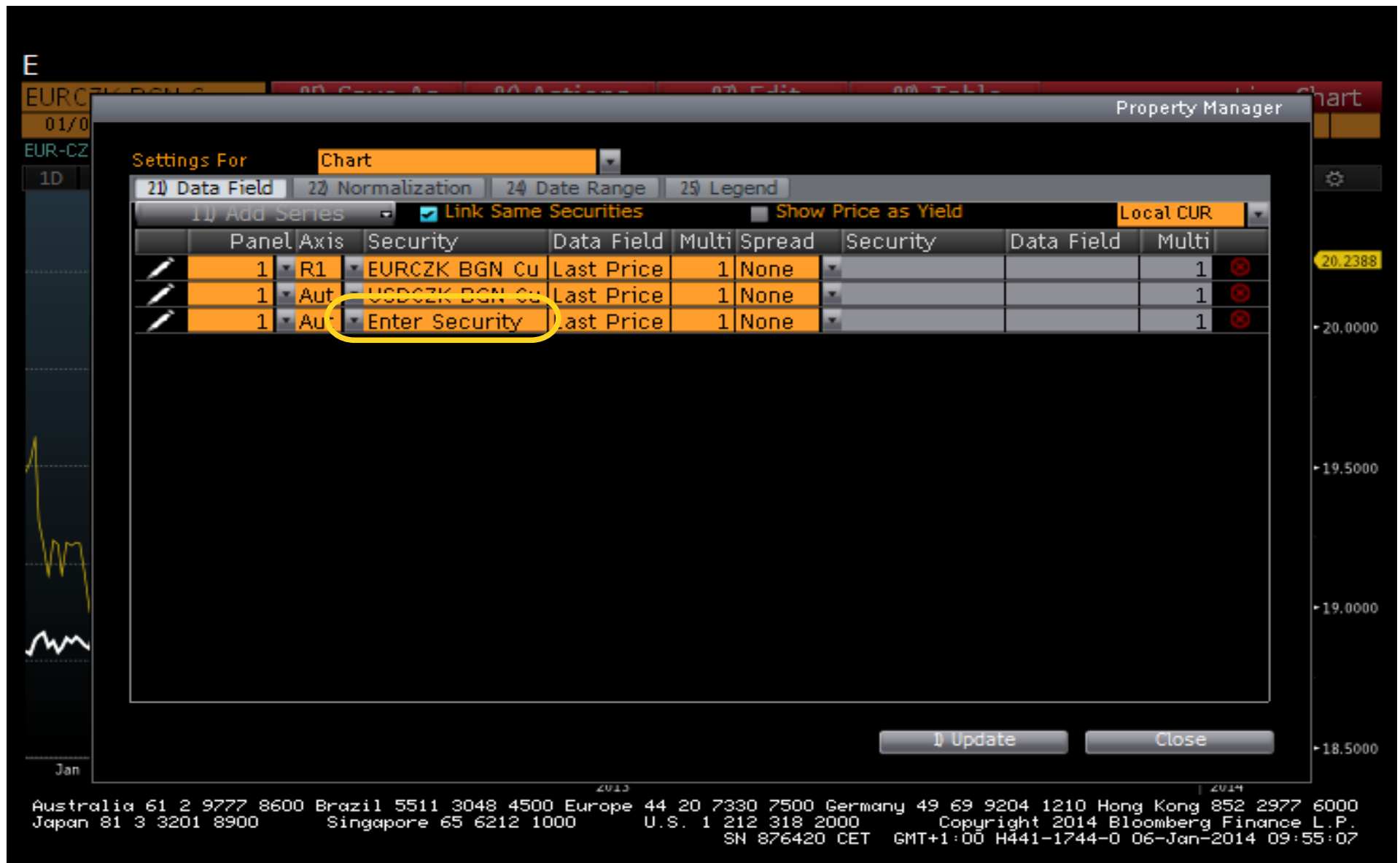
18.5000

Jan 2013 2014

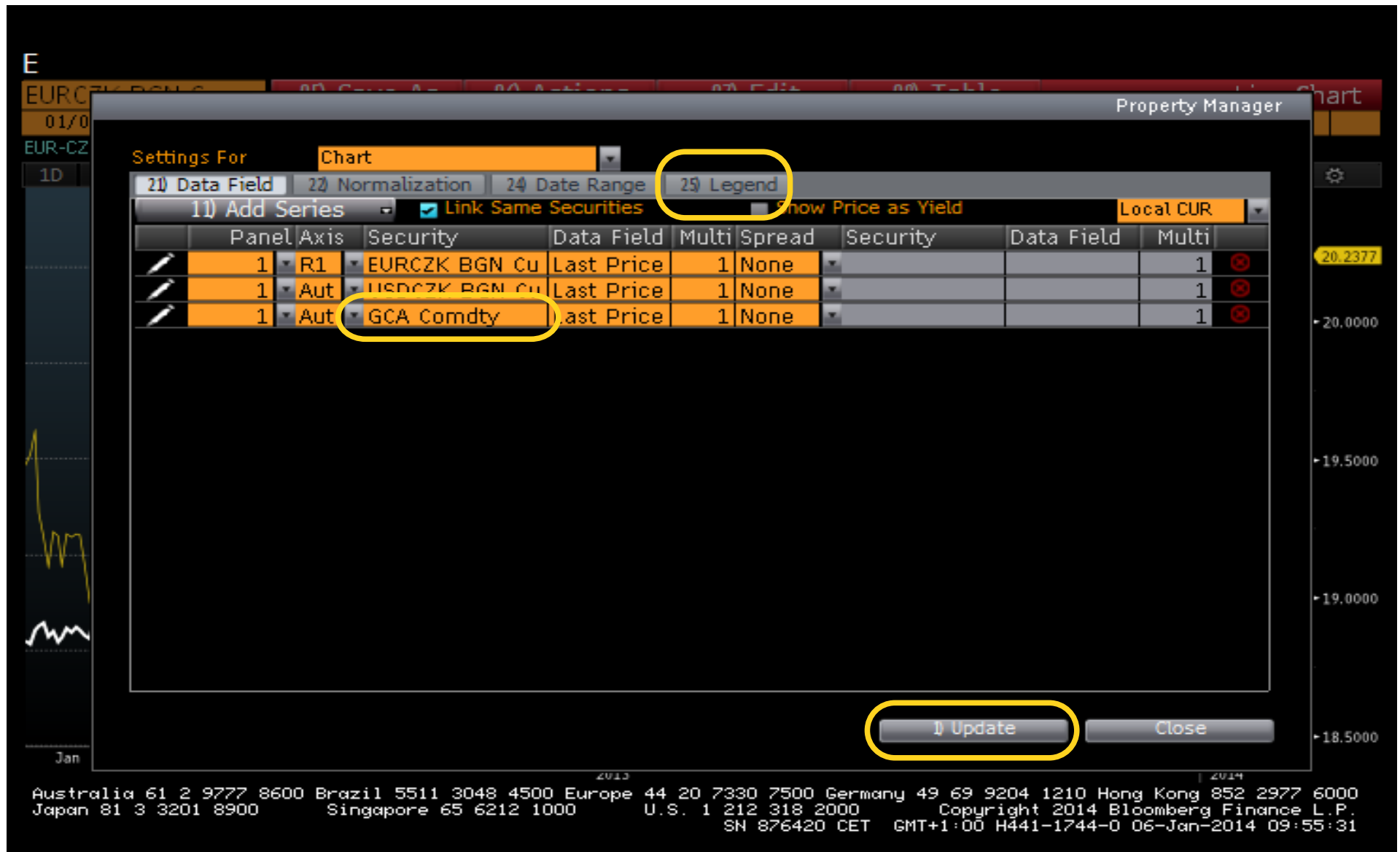
Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000  
SN 876420 CET GMT+1:00 H441-1744-0 06-Jan-2014 09:54:26  
Copyright 2014 Bloomberg Finance L.P.

Update Close

# Přidáme další veličinu...



...např. zlato, upravíme ještě legendu



EURCZK ↑ 27.509 - .050 BGN 27.503 / 27.514 BGN  
 At 9:55 Op 27.559 Hi 27.599 Lo 27.492 Close 27.558 Value 01/08/14

EURCZK BGN Curnc 95) Save As 96) Actions 97) Edit 98) Table Line Chart  
 01/07/2013 - 01/06/2014 1) Compare Mov. Avgs

EUR-CZK X-RATE Last Price 27.509 - .050 - .18%  
 1D 3D 1M 6M YTD 1Y 5Y Max Daily Security/Study Event



Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2014 Bloomberg Finance L.P.  
 SN 876420 CET GMT+1:00 H441-1744-0 06-Jan-2014 09:55:49

EURCZK ↑ 27.510 - .049 BGN 27.506 / 27.514 BGN  
 At 9:56 Op 27.559 Hi 27.599 Lo 27.492 Close 27.558 Value 01/08/14

EURCZK BGN Curnc 95) Save As 96) Actions 97) Edit 98) Table Line Chart  
 01/07/2013 - 01/06/2014 1) Compare Mov. Avgs

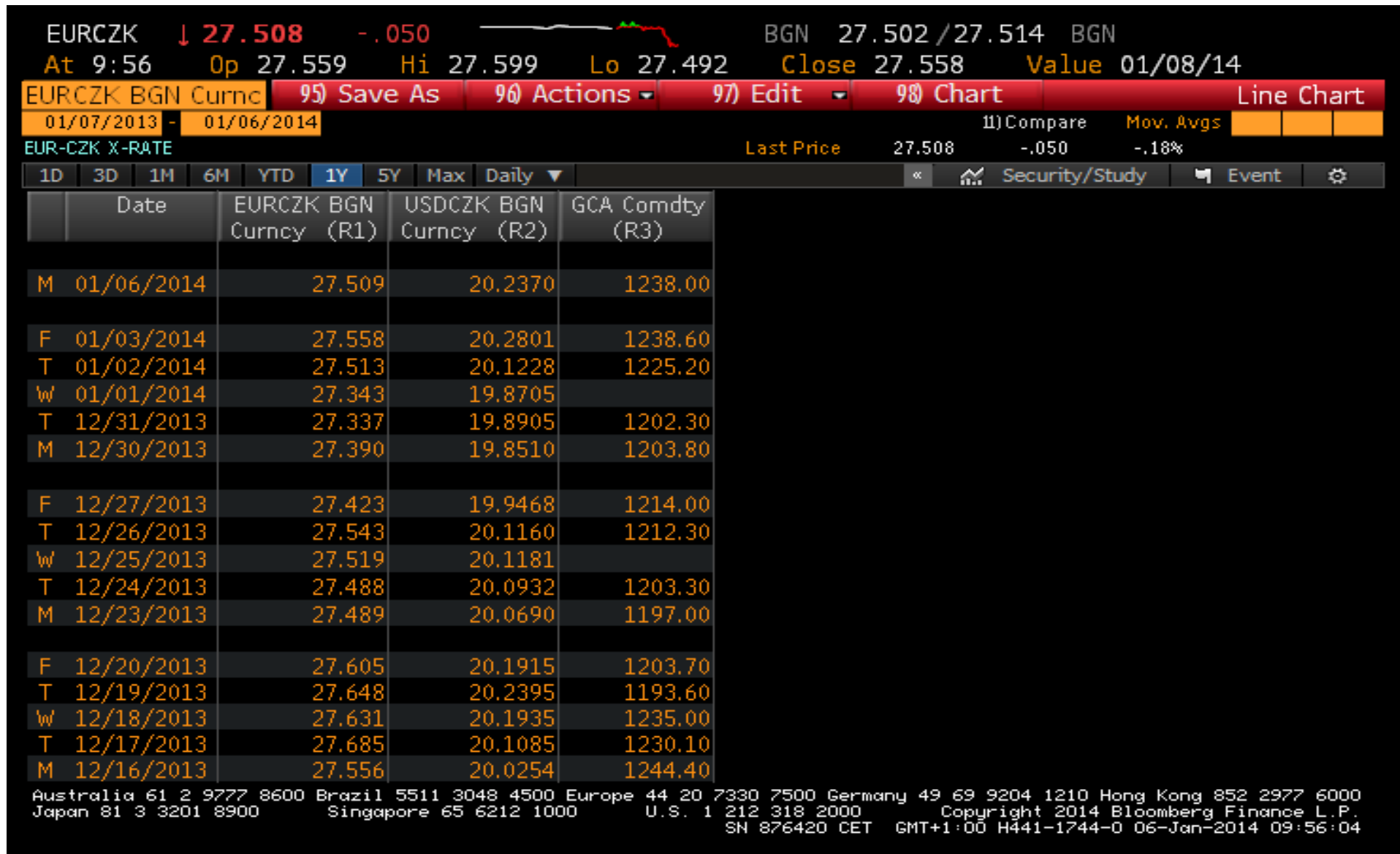
EUR-CZK X-RATE Last Price 27.510 -0.049 -0.18%  
 1D 3D 1M 6M YTD 1Y 5Y Max Daily Security/Study Event



Add Security

- EURCZK BGN Curnc
  - Last Price
  - News (BBG BEST)
  - Research News
  - Most Read News
  - U.S. Labor
  - U.S. Money Banki
  - TA Pattern
  - + Add Event
  - + Add Field
- USDCZK BGN Curnc
  - Last Price
  - News (BBG BEST)
  - Research News
  - Most Read News
  - U.S. Labor
  - U.S. Money Banki
  - TA Pattern
  - + Add Event

# 98 Table/Chart



# Jiná data: např. opce na zlato

1199.10 -35.90 1199.10 / 1199.20 2x4 Prev 1255.00  
AL 14:47 Q VOL 100319 up 1217.80 PL 1220.00 LO 1197.10 OpenInt 250294

GCG4 COMB Comdty 99) Feedback Page 1/2 Futures Contract Description


1) Contract Information 2) Linked Instruments

GCG4 Comdty GOLD 100 OZ FUTR Feb14 CMX-Commodity Exchange, Inc.

3) Notes  
 Gold Options  
 COMEX Division gold futures and options provide an important alternative to traditional means of investing in gold such as bullion, coins, and mining stocks. Gold futures contracts are also ...

4) Contracts (CT) Feb:G Apr:J Jun:M Aug:Q Oct:V Dec:Z

Contract Specifications		Trading Hours	
Contract Size	100 troy oz.	<input type="radio"/> Exchange	<input checked="" type="radio"/> Local
Value of 1.0 pt	\$ 100	Electronic	00:00-23:15
Tick Size	0.10	Pit	14:20-19:30
Tick Value	\$ 10		
Price	<span>1,199.40</span> USD/t oz.	6) Related Dates (EXS)	
Contract Value	\$ 119,940	First Trade	Thu Mar 29, 2012
Last Time	14:47:40	Last Trade	Wed Feb 26, 2014
Exch Symbol	GC	First Notice	Fri Jan 31, 2014
BBGID	BBG002V339G4	First Delivery	Mon Feb 3, 2014
		Last Delivery	Fri Feb 28, 2014

5) Price Chart (GP)  
 Intraday  History  Curve  


Daily Price Limits		8) Holidays (CDR NM)	
Up Limit	N.A.	9) Weekly COT Net Futs (COT)	
Down Limit	N.A.		

Margin Requirements		
	Speculator	Hedger
Initial	7,975	7,250
Secondary	7,250	7,250

Prc Chg 1D -35.6/-2.883%  
Lifetime High 1,811.30  
Lifetime Low 1,187.90

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000  
 SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 14:57:51


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# GP





# 98 Table/Chart

GCG4 ↑ **1201.50** -33.50  ic1201.40 / 1201.60 6x4 Prev 1235.00  
 At 14:51 d Vol 102341 Op 1217.80 Hi 1226.00 Lo 1197.10 OpenInt 236294

GCG4 COMB Comdt 95 Save As 96 Actions 97 Edit 98 Chart Line Chart

12/19/2012 - 12/19/2013 Last Price Line 1) Compare Mov. Avgs Contract OI USD

GOLD 100 OZ FUTR Feb14 Last Price 1201.50 -33.50 -2.71% Volume 102.34k

1D 3D 1M 6M YTD 1Y 5Y Max Daily Security/Study Event

	Date	Last Price	Open Interest	SMAVG (15)
T	12/19/2013	1201.40		
W	12/18/2013	1235.00	0.236M	0.235M
T	12/17/2013	1230.10	0.235M	0.234M
M	12/16/2013	1244.40	0.232M	0.230M
F	12/13/2013	1234.60	0.234M	0.226M
T	12/12/2013	1224.90	0.235M	0.220M
W	12/11/2013	1257.20	0.232M	0.213M
T	12/10/2013	1261.10	0.230M	0.205M
M	12/09/2013	1234.20	0.234M	0.198M
F	12/06/2013	1229.00	0.234M	0.189M
T	12/05/2013	1231.90	0.236M	0.181M
W	12/04/2013	1247.20	0.236M	0.172M
T	12/03/2013	1220.80	0.239M	0.164M
M	12/02/2013	1221.90	0.240M	0.154M
F	11/29/2013	1250.40	0.234M	0.144M
W	11/27/2013	1237.90	0.235M	0.134M

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2013 Bloomberg Finance L.P.  
 SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 15:01:41

# Klouzavé průměry a spodní graf s objemy transakcí



Základní nastavení grafu, podrobná jsou dostupná kliknutím pravým tlačítkem do grafu



Něco pro odlehčení

Letecká spojení, restaurace

# FLY BRQ TO LON

<HELP> for explanation, <MENU> for similar functions.

1) Return Flights		2) Clear Filters		4) Feedback		Flights				
From	BRQ: Turany Airport (Brno, Czech Republic)						Schedules as of			
To	LON: London, EN, United Kingdom (All Airports)						12/19/2013			
Depart	Arrive	Duration	Airline	Flight	CS	Aircraft	Stops	Days		
Any	Any						0	Any Day		
11) 10:50AM	BRQ 12:00PM	2:10 hrs.	FR	8404	N	737-800	0	S		
12) 7:15PM	BRQ 8:25PM	2:10 hrs.	FR	8404	N	737-800	0	T		
13) 7:40PM	BRQ 8:55PM	2:15 hrs.	W6	2801	N	A320	0	M W F		

Schedules may change without notice. Check with your airline for current schedules.

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2013 Bloomberg Finance L.P.  
 SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 14:51:23

# FLY

<HELP> for explanation.  
<Menu> to Return

9) Flight Map

Flights: Details

Flight # W6 2801

Depart 7:40PM M T W T F S S Effective from Dec 15 to Dec 23.  
11) Map BRQ Turany Airport  
Brno, Czech Republic

Arrive 8:55PM Same Day as Departure  
12) Map LTN Luton Airport  
London, EN, United Kingdom

Carrier Wizz Air Available Service Classes  
15) [www.wizzair.com](http://www.wizzair.com) Y Economy/Coach

Aircraft Airbus A320

Duration 2:15 hrs.

Total Duration	2:15 hrs.
Total Mileage	771 mi.

# DINE PRAGUE

<HELP> for explanation.

Search terms:	DINE PRAGUE	Page 1/2	Function
1) U Modre Kachnicky	PRAGUE,CZ		
2) Kampa Park	PRAGUE,CZ		
3) Ambiente Pasta Fresca	PRAGUE,CZ		
4) La Casa Argentina	PRAGUE,CZ		
5) Kolkovna	8 V KOLKOVNE,PRAGUE,CZ		
6) 7 Angels	PRAGUE,CZ		
7) La Truffe	PRAGUE,CZ		
8) La Degustation Boheme Bourgeoise	PRAGUE,CZ		
9) Ambiente The Living Restaurants	PRAGUE,CZ		
10) U Vejvodu	PRAGUE,CZ		
11) Na Kopci	PRAGUE,CZ		
12) Tri Stoleti	PRAGUE,CZ		
13) Krusovicka Pivnice Viola	PRAGUE,CZ		
14) Lvi Dvur	PRAGUE,CZ		
15) La Perle De Prague	PRAGUE,CZ		
16) U Zlate Studne	PRAGUE,CZ		
17) Alcron, The	PRAGUE,CZ		
18) Epopey	PRAGUE,CZ		
19) Siddharta	PRAGUE,CZ		
20) Ambiente Pizza Nuova	PRAGUE,CZ		

# DINE

<HELP> for explanation.

Enter all search criteria and press <Go> to search, <Menu> to Return.

1) Add Restaurant

2) Settings

Page 1/7

Restaurant Guide: Search Results

## Search Criteria

Name	<Restaurant Name>
Location	<Address/Landmark> prague <State> <Country> <Post Code>
Radius	miles
Reserve	
Features	<input type="checkbox"/> Private Room <input type="checkbox"/> Outdoor Dining <input type="checkbox"/> Deliver
Type	Any Meal
Cuisine	All
Price	All
Sort by	Bloomberg Top
Review by	Everyone

## My Restaurant Options

- 3) Recently Viewed
- 4) My Favorites

## Restaurant Results

- |                           |                  |        |               |            |           |
|---------------------------|------------------|--------|---------------|------------|-----------|
| 10) U Modre Kachnicky     | +420-2-5732-0308 | \$\$\$ | East European | 11 Reviews | GO        |
| 6 Nobovidska              | 20) Map          |        |               |            |           |
| Prague                    | 50) Website      |        |               |            |           |
| 11) Kolkovna              | +420-2-2481-9701 | \$\$   | East European | 2 Reviews  | DON'T GO  |
| 8 V Kolkovne              | 21) Map          |        |               |            |           |
| Prague                    | 51) Website      |        |               |            |           |
| 12) Ambiente Pasta Fresca | +420-22-423-0244 | \$\$\$ | Italian       | 7 Reviews  | GO        |
| 11 Celetna                | 22) Map          |        |               |            |           |
| Prague                    | 52) Website      |        |               |            |           |
| 13) La Casa Argentina     | +420-2-2231-1512 | \$\$\$ | Latin America | 3 Reviews  | GO        |
| 35-730 Dlouha             | 23) Map          |        |               |            |           |
| Prague                    | 53) Website      |        |               |            |           |
| 14) Bellevue              | +420-775-018-231 | \$\$\$ | International | 0 Reviews  | NOT RATED |
| 18 Smetanovo Nabre        | 24) Map          |        |               |            |           |
| Prague 1                  | 54) Website      |        | 34) Reserve   |            |           |



# Regresní a korelační analýza

Ukázka na kurzech EUR/CZK, USD/CZK.  
Připravíme si do jednoho grafu tyto dva kurzy

# BETA, HRA, MRA – regrese

<HELP> for explanation, <MENU> for similar functions.  
<PageFwd> for More Results

regression 150) Feedback 151) Examples Page 1/11 Bloomberg Help Search

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17) Muni Issuers	
18) Commodities	
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Contributors	
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41) View Full Investopedia Definition

## Regression

A statistical measure that attempts to determine the strength of the relationship between one dependent variable (usually denoted by Y) and a series of other changing variables (known ...

Related Functions

42) HRA	Regression Analysis	45) BETA	Beta Calculations
43) GR	Ratio Chart	46) GPO MLR	Historical Bar Chart
44) HS	Spread or Ratio Analysis	47) MRA	Multiple Regression Analysis
Similar Definitions	48) regression analysis	49) beta	50) volatility

More Results

61) Technical Stu Auto Regression Ba

The Auto Regression Bands Study allows you to specify the number of regression bands across a selected period. The number of bands indicates the number of standard ...

71) Definitio regressi

regression: [n.] a regressing, or going back; return; movement backward, retrogression, the slow westward shifting of the nodes of an orbit, caused by a ...

81) Technical Stu Moving Linear Regres

The Moving Linear Regression (MLR) study begins by fitting an unseen line to a set of data points. These points are specified by the Price and Period parameters. The ...

# GCOR – korelace

<HELP> for explanation, <MENU> for similar functions.  
 <PageFwd> for More Results

correlation 150) Feedback 151) Examples Page 1/17 Bloomberg Help Search

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## Correlation

The degree to which the fluctuations of one variable are similar to those of another.

Related Functions

- |                     |                          |                     |                            |
|---------------------|--------------------------|---------------------|----------------------------|
| 42) GCOR            | Correlation              | 45) PC              | Peer Correlation Matrix    |
| 43) HS              | Spread or Ratio Analysis | 46) CORR            | Correlation Matrix         |
| 44) HRA             | Regression Analysis      | 47) RVC             | Relative Value Correlation |
| Similar Definitions |                          | 48) autocorrelation | 49) r squared              |
|                     |                          | 50) dispersion      | 51) beta                   |

More Results

- 61) Technical Stu Correlati  
 Correlation Coefficient The correlation coefficient is a measure of the relationship between two securities. It is calculated as follows:  $Corr = \frac{\sum (X[i] - Avg \dots)}{\dots}$
- 71) Definitio correlati  
 correlation: [n.] mutual relationship or connection, the degree of relative correspondence, as between two sets of data; e.g. a correlation of 75%, a correlating ...
- 81) New Top news stories with "correlat
- |     |  |  |    |         |
|-----|--|--|----|---------|
| 82) | U.K. Bonds Drop a Second Day as Retail Sales Rise; Pound Weakens |  | BN | 15:25 + |
| 83) | Dollar Rises to 2-Week High Versus Euro as Fed Begins Tapering   |  | BN | 15:11 + |
- 91) Functio CORR<G Correlation Matrix  
 CORR allows you to correlate price movements of up to 500 securities, so that you can determine what
- 92) Help Page

# TECH – knihovna technických analýz

<HELP> for explanation.

Launch selected study on 1<Go> Historical chart , 2<Go> Intraday chart

Technical Study Browser

Find a study by title or keyword  for EURCZK BGN Currency

Categories	Popular (14)	Run	Bollinger Bands
4) All standard studies >	Bollinger Bands	BOLL	 <p>Bollinger Bands, developed by John Bollinger, are defined using the standard deviation from a simple moving average, an excellent measure of price volatility. The study plots lines above and below the moving average at a specified number of standard deviations. This study is used ...</p> <p>3) More »</p> <p>Also listed in</p> <ul style="list-style-type: none"> <li>Moving Avgs/Bands</li> <li>Trend Analysis</li> </ul> <p>Launch</p> <ul style="list-style-type: none"> <li>1) Historical (BOLL)</li> <li>2) Intraday (IBOL)</li> </ul>
5) Popular	Candle Patterns	GPO CNDL	
6) New	Commodity Channel Index	CMCI	
	Directional Movement Inde	DMI	
7) Momentum/Oscillators	Ichimoku	GOC	
8) Moving Avgs/Bands	Moving Avg Conv/Divergen	MACD	
9) Patterns	Moving Avg Oscillator	GPO MAOSC	
10) Statistical	Parabolic Studies	GPO PTPS	
11) Support Resistance	Rate of Change	ROC	
12) Trend Analysis	Relative Strength Index	RSI	
	Simple Moving Avg	GPO SMA	
13) Bloomberg	Stochastics	TAS	
14) 3rd Party Studies >	Trading Envelopes	TE	
	Williams %R	WLPR	
15) User Defined >			
16) Create new study			

<HELP> for explanation.

Launch selected study on 1<Go> Historical chart , 2<Go> Intraday chart

Technical Study Browser

Find a study  for USDCZK BGN Currency

Categories

- 4) All standard studies >
- 5) Popular
- 6) New

---

- 7) Momentum/Oscillators
- 8) Moving Avgs/Bands
- 9) Patterns
- 10) Statistical
- 11) Support Resistance
- 12) Trend Analysis

---

- 13) Bloomberg
- 14) 3rd Party Studies >

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- 15) User Defined >
- 16) Create new study

Popular (14)

- Bollinger Bands
- Candle Patterns
- Commodity Channel Index
- Directional Movement Inde
- Ichimoku
- Moving Avg Conv/Divergen
- Moving Avg Oscillator
- Parabolic Studies
- Rate of Change
- Relative Strength Index
- Simple Moving Avg
- Stochastics
- Trading Envelopes
- williams %R

Run

- BOLL
- GPO CNDL
- CMCI
- DMI
- GOC
- MACD
- GPO MAOSC
- GPO PTPS
- ROC
- RSI
- GPO SMA
- TAS
- TE
- WLPR

williams %R



WLPR allows you to plot the williams %R value for a selected security. It is useful in recognizing potential turning points to help make entry/exit decisions and display event tracks. Use WLPR to determine overbought/oversold levels: the williams %R oscillator identifies whether ... [3\) More »](#)

Also listed in  
Momentum/Oscillato

- Launch
- 1) Historical (WLPR)
  - 2) Intraday (IGPO WLPR)

<HELP> for explanation.

Launch selected study on 1<Go> Historical chart , 2<Go> Intraday chart

Technical Study Browser

Find a study  for USDCZK BGN Currency

Categories

- 4) All standard studies >
- 5) Popular
- 6) New

---

- 7) Momentum/Oscillators
- 8) Moving Avgs/Bands
- 9) Patterns
- 10) Statistical
- 11) Support Resistance
- 12) Trend Analysis

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- 13) Bloomberg
- 14) 3rd Party Studies >

---

- 15) User Defined >
- 16) Create new study

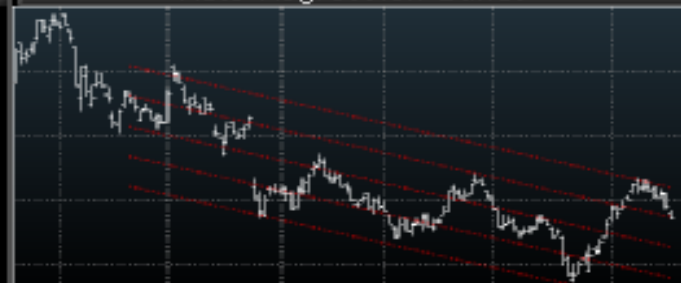
Statistical (12)

- Auto Regression Bands
- Binary Patterns
- Correlation
- Fisher Transform
- Hurst Exponent
- Median Line
- Positive Volume Index
- Premium Discount
- Recommendation Ratio
- Total Return
- Volume At Time
- Z-Score

Run

- GP0 AUTOR
- GP0 BPRTN
- GP0 GCOR
- GP0 FSHTR
- GP0 KAOS
- GP0 MEDL
- GP0 VI
- GP0 PD
- GP0 RCMND
- GP0 TTRN
- VAT
- GP0 ZSCOR

Auto Regression Bands



The Auto Regression Bands Study allows you to specify the number of regression bands across a selected period. The number of bands indicates the number of standard deviation bands around the linear regression line.

[3\) More »](#)

Also listed in

[Moving Avgs/Bands](#)

- Launch
- 1) Historical (GP0 AUTOR)
  - 2) Intraday (IGPO AUTOR)

<HELP> for explanation.

Launch selected study on 1<Go> Historical chart , 2<Go> Intraday chart

Technical Study Browser

Find a study  for USDCZK BGN Currency

Categories

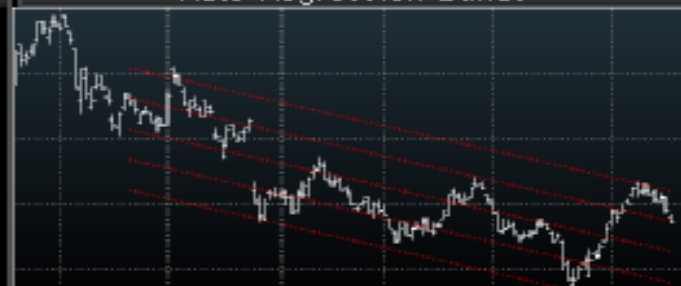
- 4) All standard studies >
- 5) Search Results >

Search Results (2)

- Auto Regression Bands GPO AUTOR
- Moving Linear Regression GPO MLR

Run

Auto Regression Bands



The Auto Regression Bands Study allows you to specify the number of regression bands across a selected period. The number of bands indicates the number of standard deviation bands around the linear regression line.

3) More »

Also listed in

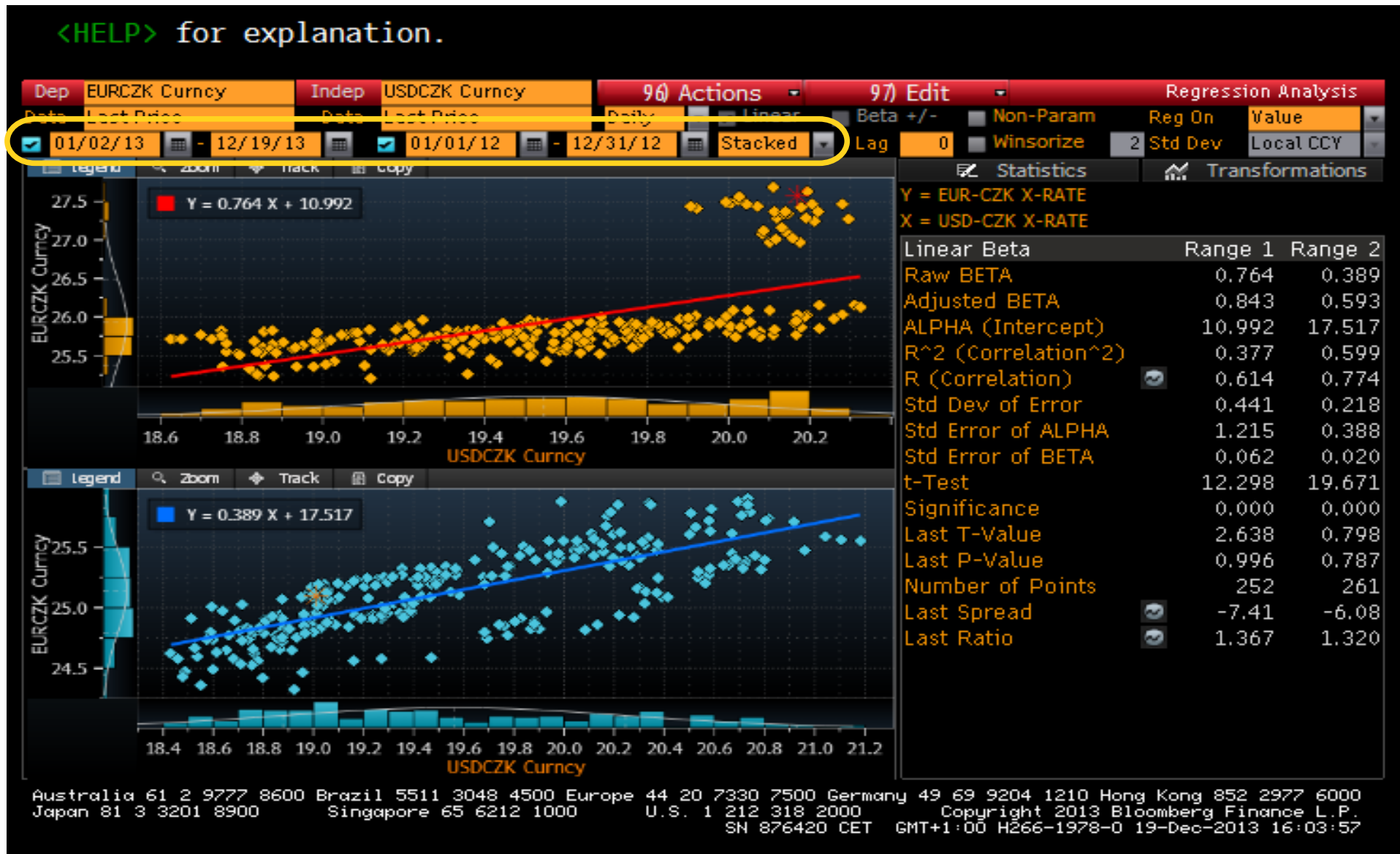
Moving Averages/Bands  
Statistical

Launch

1) Historical (GPO AUTOR)

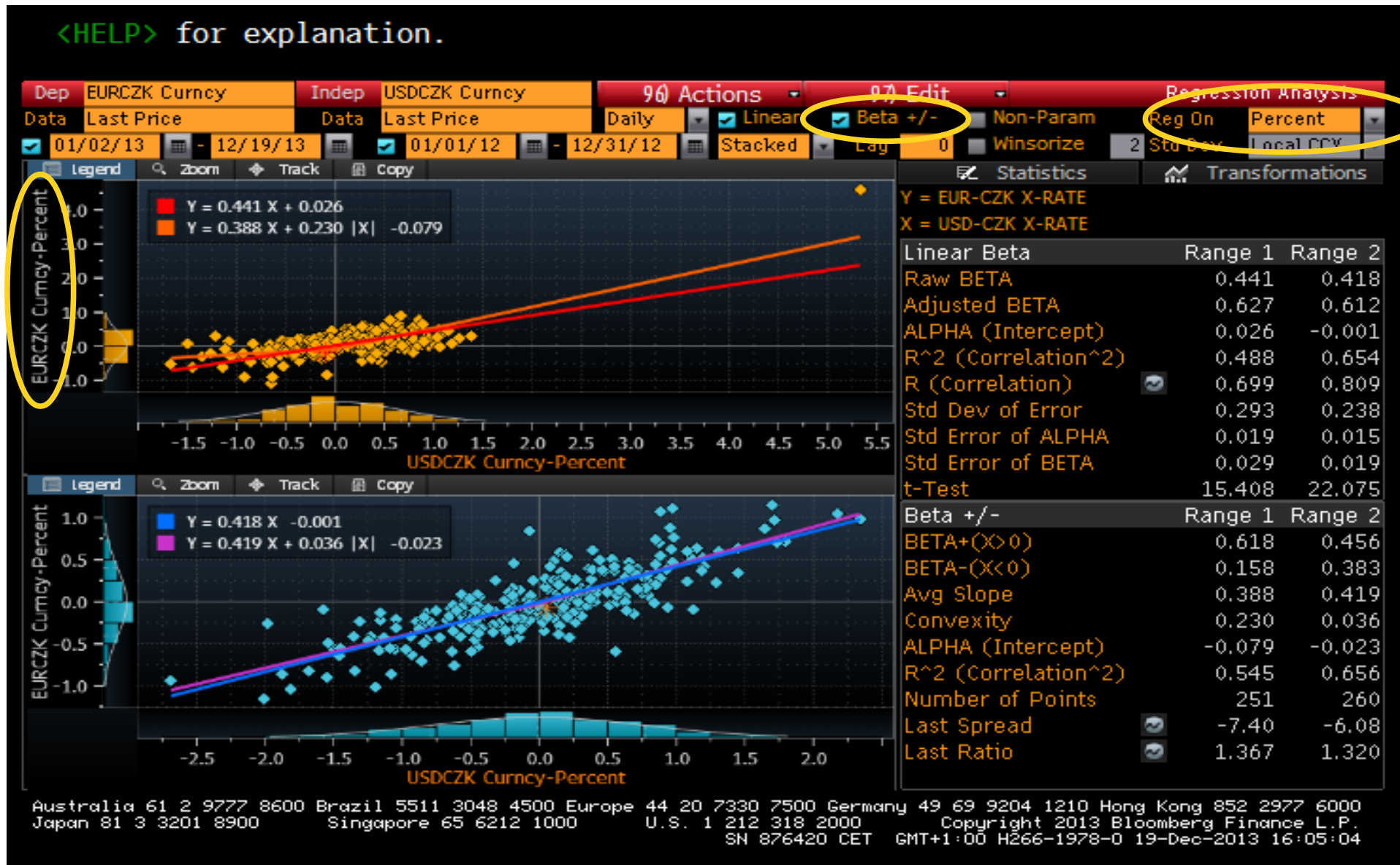
2) Intraday (IGPO AUTOR)

# HRA, BETA – lineární regrese

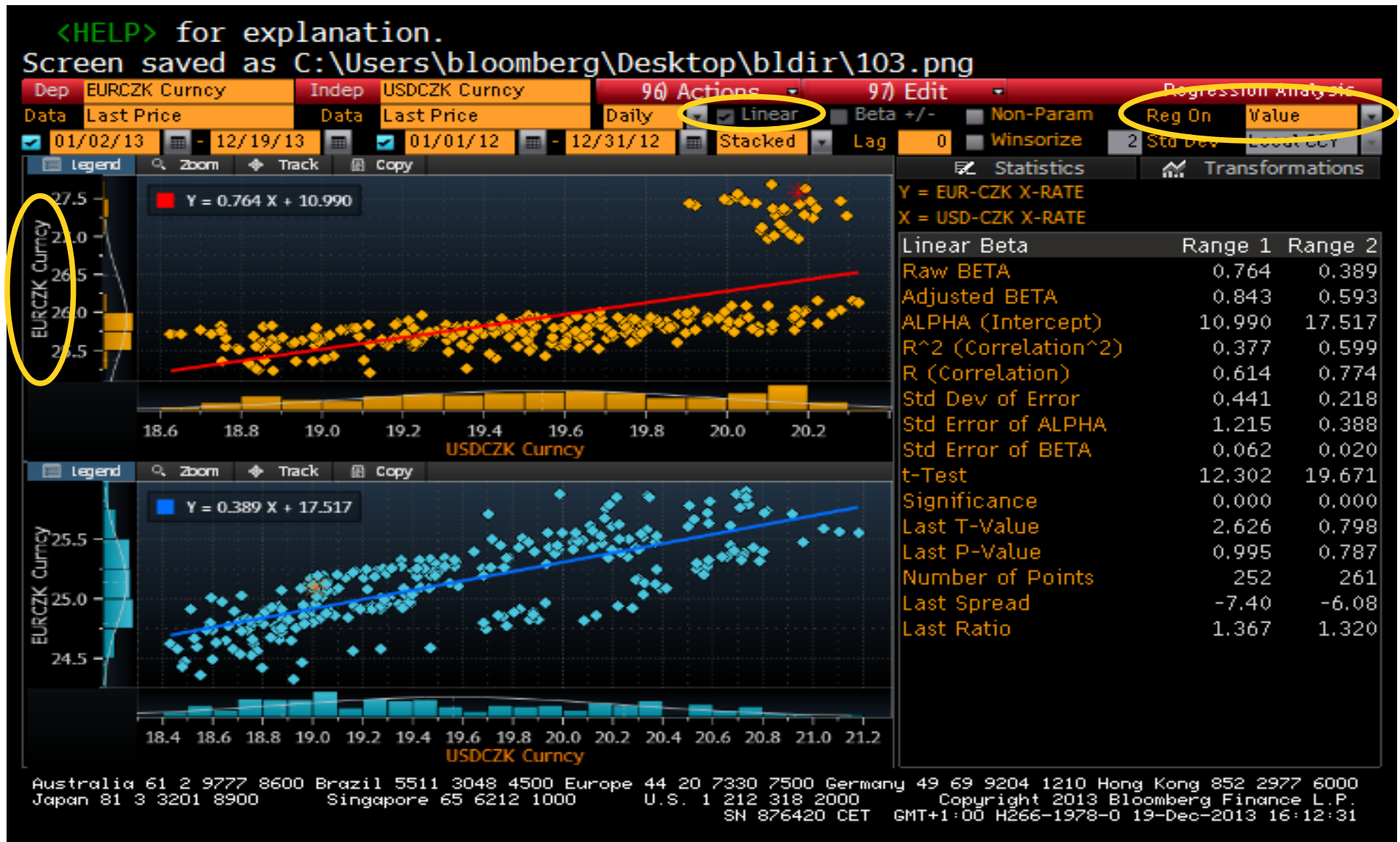




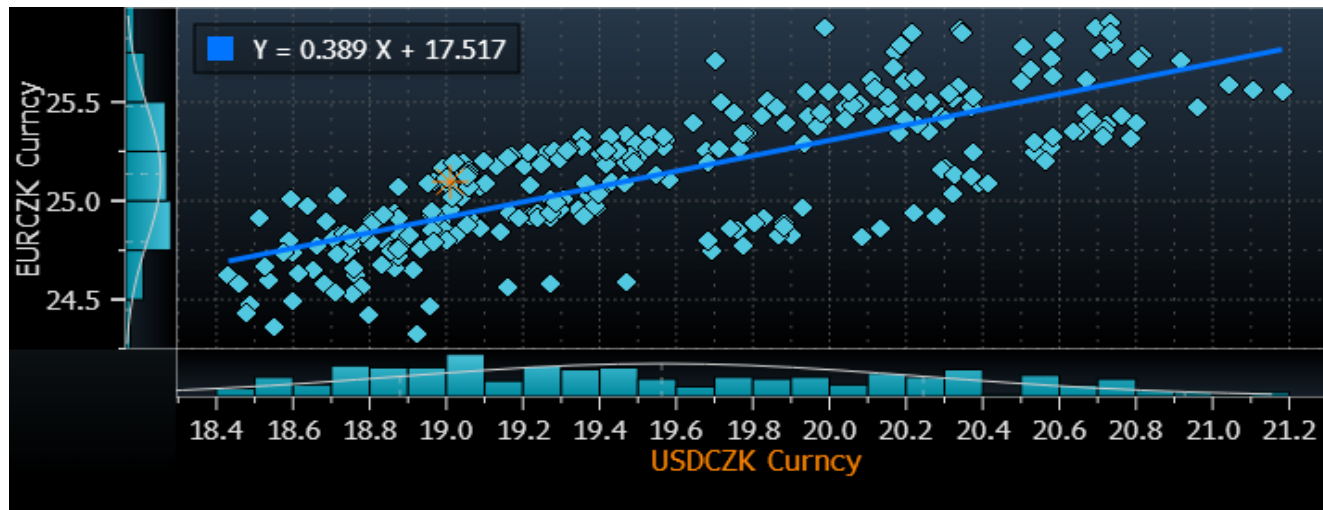
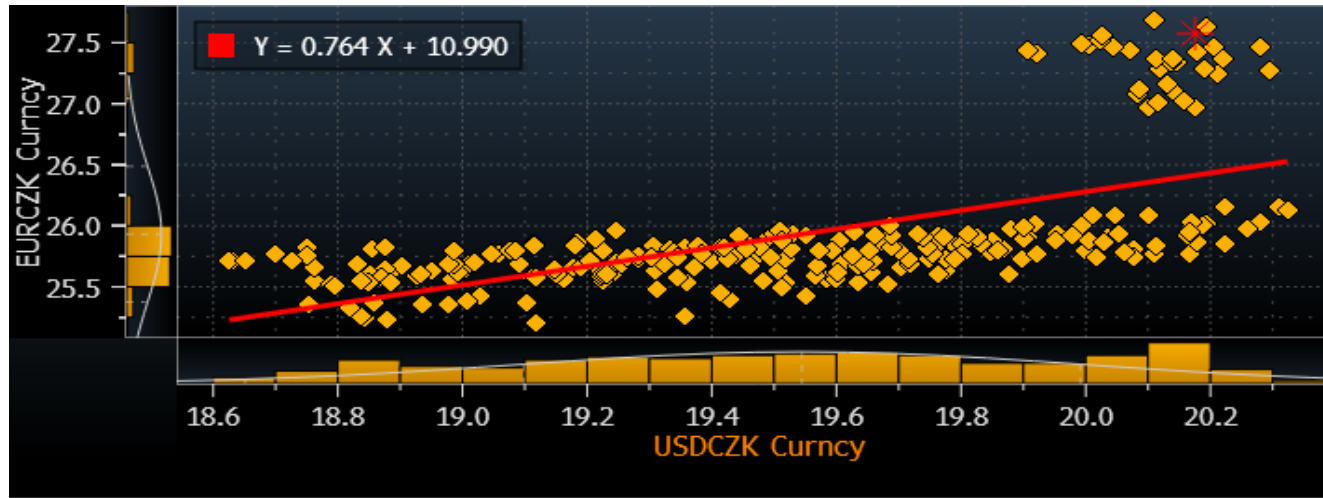
# Regrese – s absolutní hodnotou



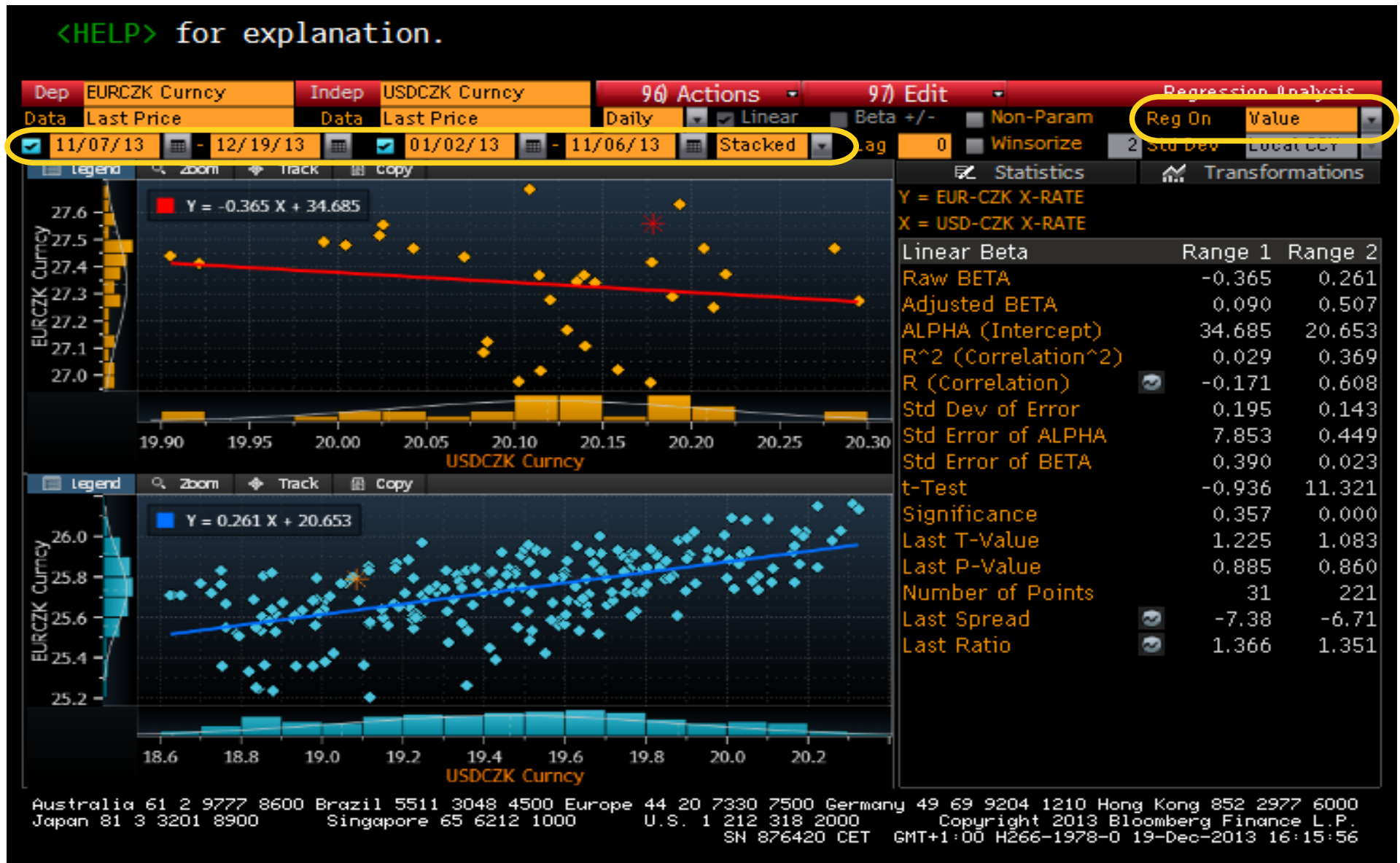
# Lineární regrese



# Regrese – exportované grafy

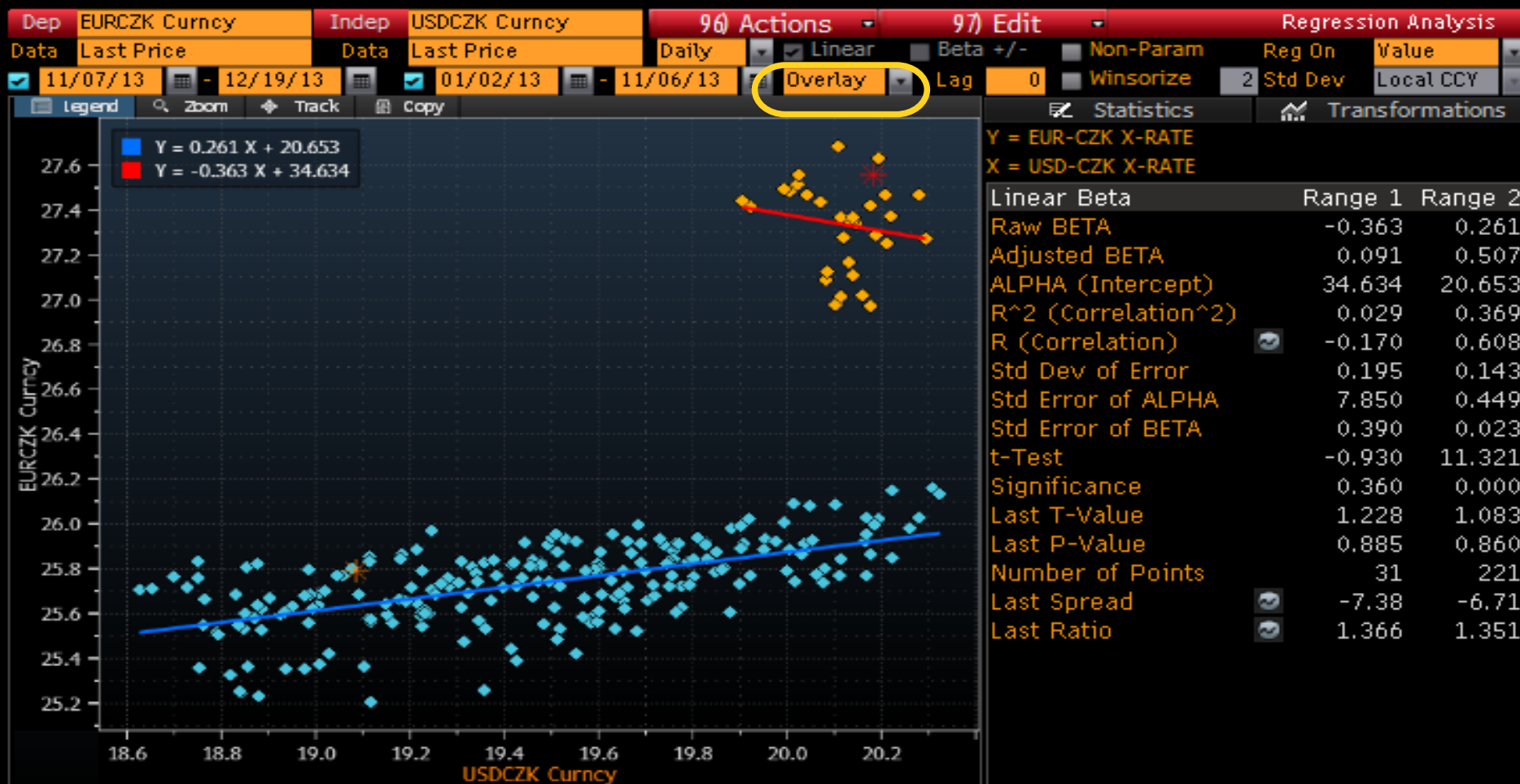


# Porovnání dvou období, samostatné grafy

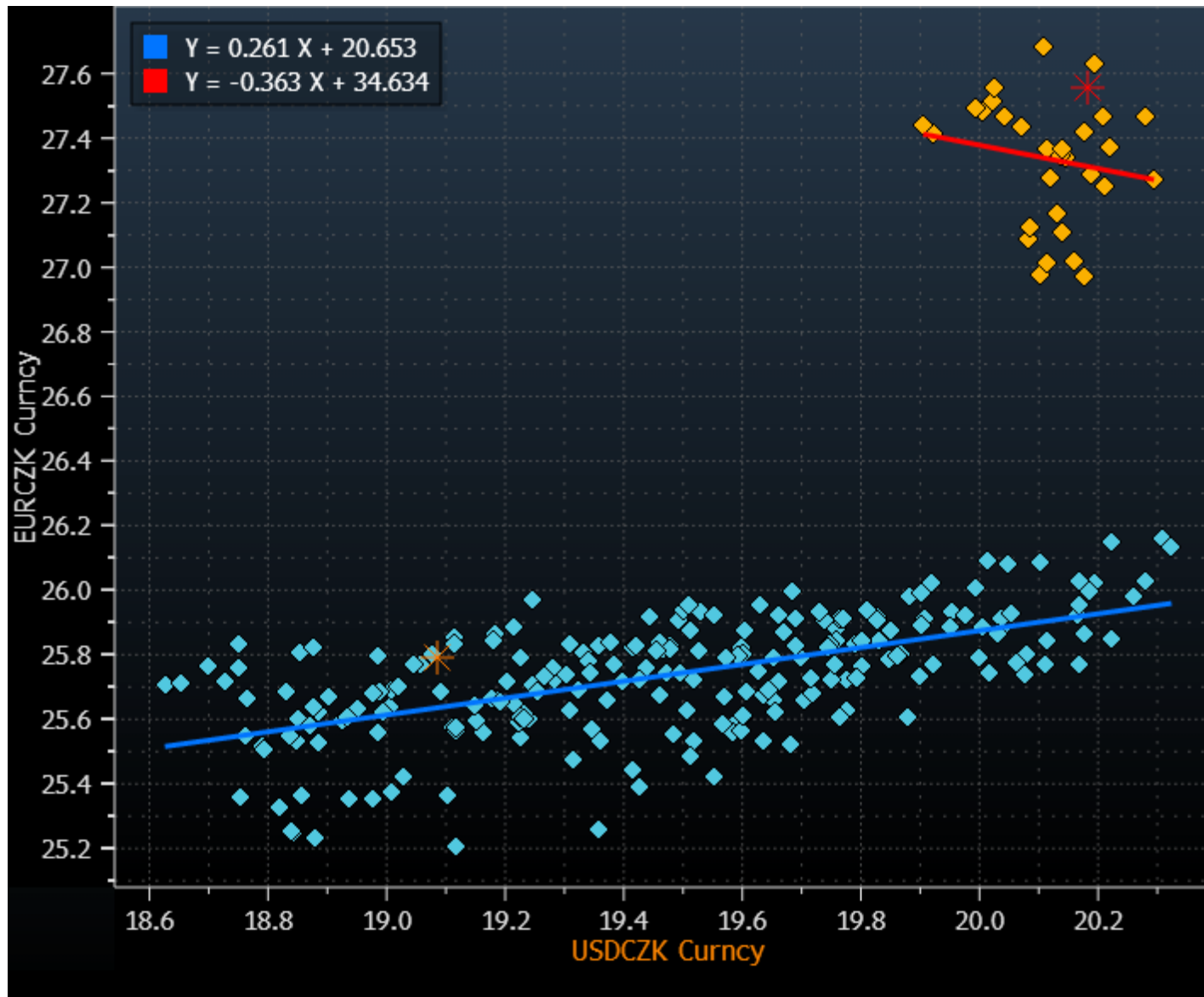


# V jednom grafu

<HELP> for explanation.

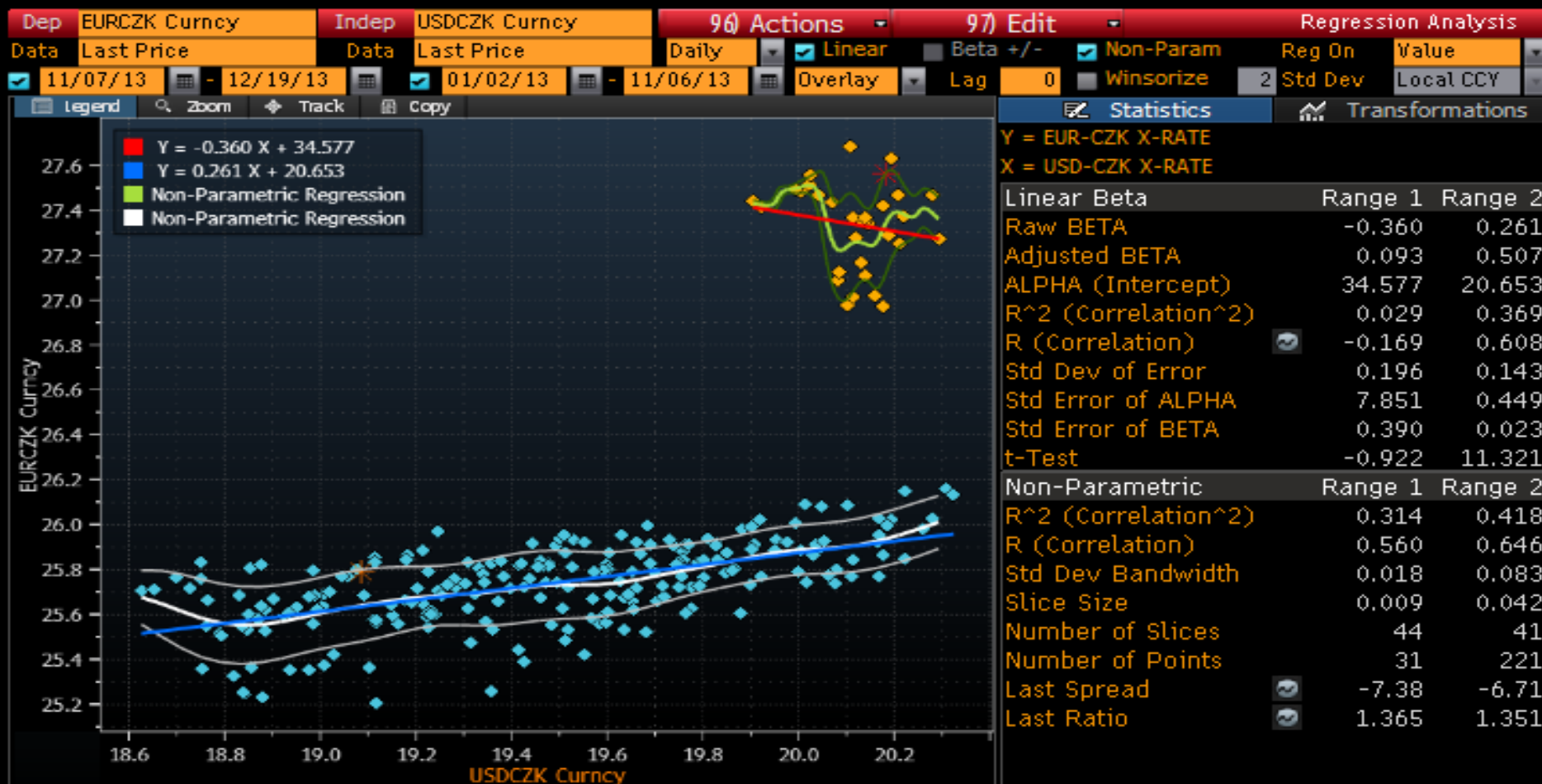


# Exportovaný graf



# Neparametrické vyhlazování

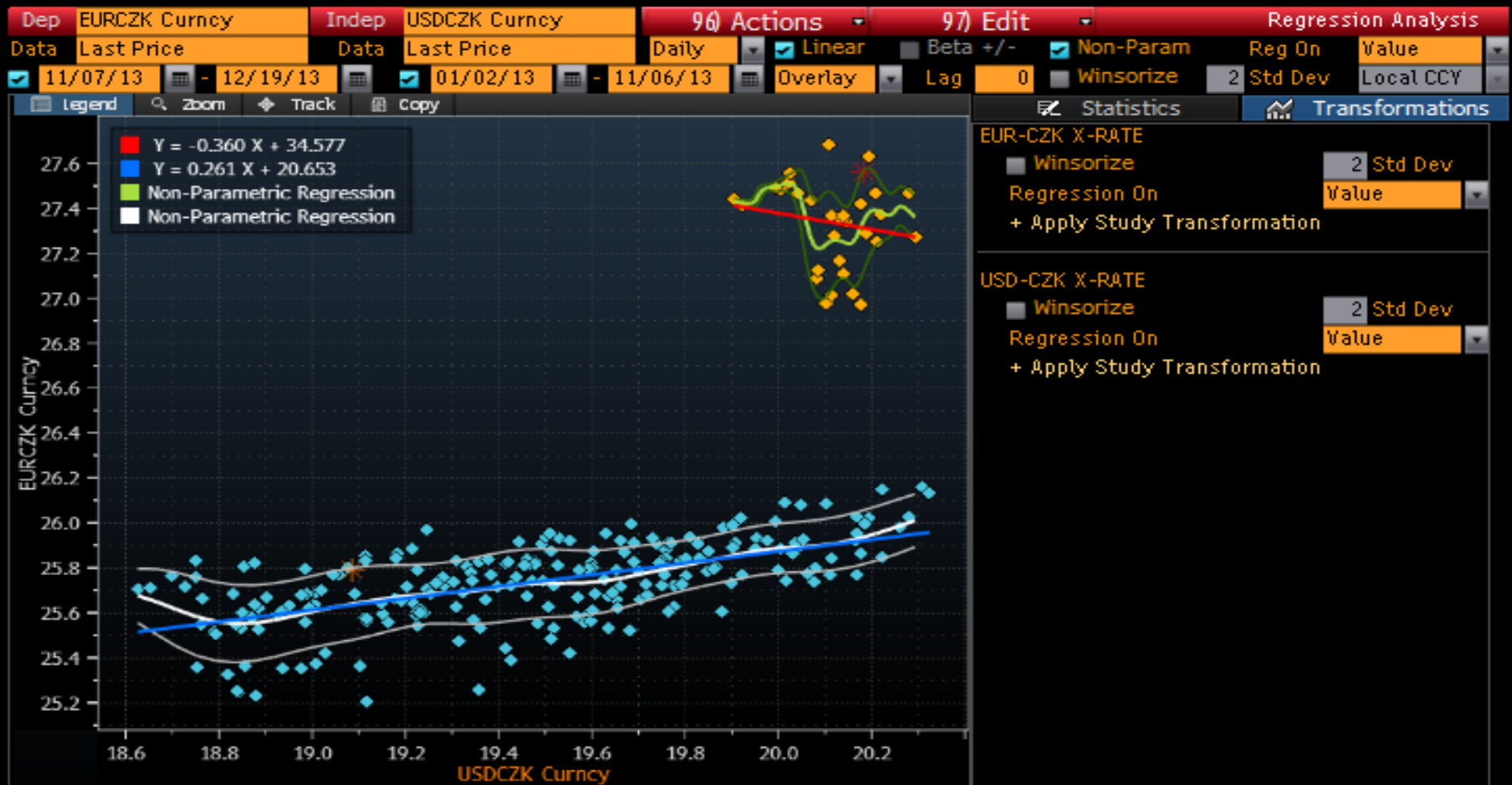
<HELP> for explanation.



Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000  
 SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 16:17:39  
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# Neparametrické vyhlazování

<HELP> for explanation.





# GCOR – korelace



# 97 Edit → 2 Normalization

1

USDCZK BGN C

01/0

Study

USD-CZ

1D

Norma

USD

EUR

Corr

Jan

2013

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000  
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Property Manager

Settings For Chart

21) Data Field 22) Normalization 24) Date Range 25) Legend

Normalize Panel 1 by USDC as of Chart Start Date 01/01/2013 Axis Side Right

USDCZK BGN Currency R1

EURCZK BGN Currency R1

Update Close

# Parametry pro korelační analýzu



# Nastavení parametrů korelační analýzy



USDCZK ↓ 20.2085 +.0149 BGN 20.2039 / 20.2130 BGN  
 At 16:42 Op 20.1935 Hi 20.2590 Lo 20.1640 Close 20.1935 Value 12/23/13

USDCZK BGN Curnc 95) Save As 96) Actions 97) Edit 98) Table Correlation  
 01/01/2013 - 12/19/2013 1) Compare Mov. Avgs

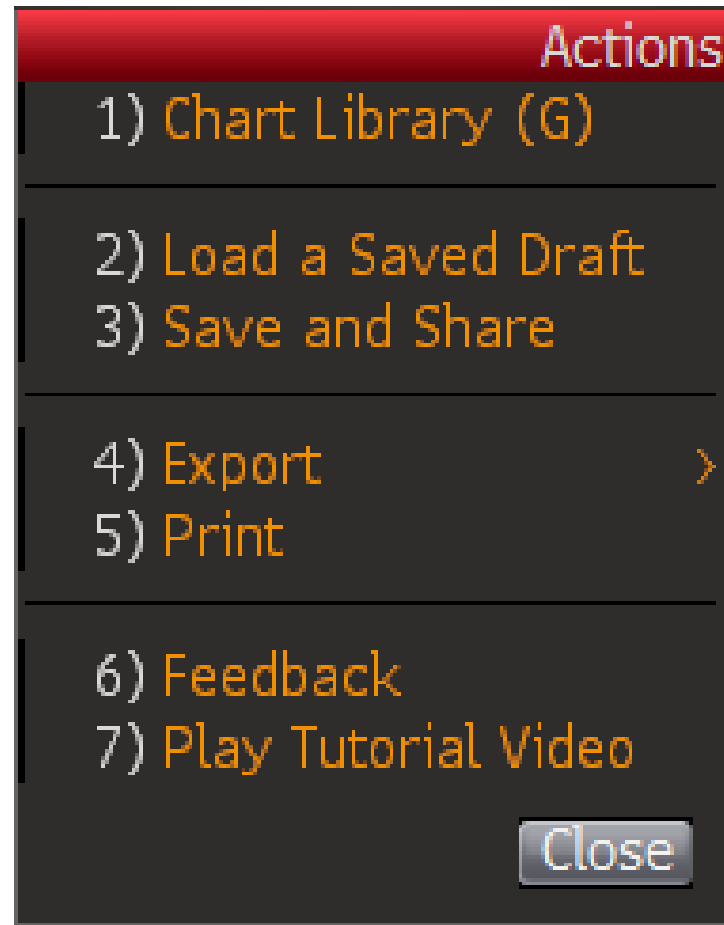
Study Correlation  Inherit Chart D... Security EURCZK Curncy Period 20  
 USD-CZK X-RATE Last Price 20.2085 +.0149 +.07%

1D 3D 1M 6M YTD 1Y 5Y Max Daily Security/Study Event



Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000  
 SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 16:42:25 Copyright 2013 Bloomberg Finance L.P.

# 96 Actions → 1 Chart Library (G)



# Uložíme graf do knihovny (G)



# K uloženému grafu je zavedená zkratka G 9





# G – knihovna grafů, G 9 – právě uložený graf

<HELP> for explanation.  
1<Go> to Create New Chart

1) Create Chart    2) Actions    3) Bulk Mode    4) Feedback    Page 1/1    Chart Library

View	G	Chart Title	Type	Last Viewed	Sec Cnt	Period	Tags		
11) My Charts									
12) Shared Charts									
Tags									
<Create New Tag>									
71) All Charts	31)	G 2 Daily Bar Chart w/Volume	Standard	N.A.	1	Daily		/	☆
72) Untagged	32)	G 3 3-Day Tick Chart	Standard	N.A.	1	Tick		/	☆
	33)	G 4 Multiple Security Hist	Standard	N.A.	4	Daily		/	☆
	34)	G 5 Volatility vs. S&P, Oil	Standard	N.A.	4	Tick		/	☆
	35)	G 6 AAPL MSFT Spread	Spread	N.A.	2	Daily		/	☆
	36)	G 7 S&P 500 Seasonality	Seasonal	N.A.	1	Daily		/	☆
	37)	G 8 Bar Chart	Standard	11/21/2013	1	Daily		/	☆
	38)	G 9 Correlation	Standard	12/20/2013	2	Daily		/	☆

Resources

Australia 61 2 9777 8600    Brazil 5511 3048 4500    Europe 44 20 7330 7500    Germany 49 69 9204 1210    Hong Kong 852 2977 6000  
Japan 81 3 3201 8900    Singapore 65 6212 1000    U.S. 1 212 318 2000    Copyright 2014 Bloomberg Finance L.P.  
SN 876420 CET    GMT+1:00 H441-1744-0 06-Jan-2014 09:45:47

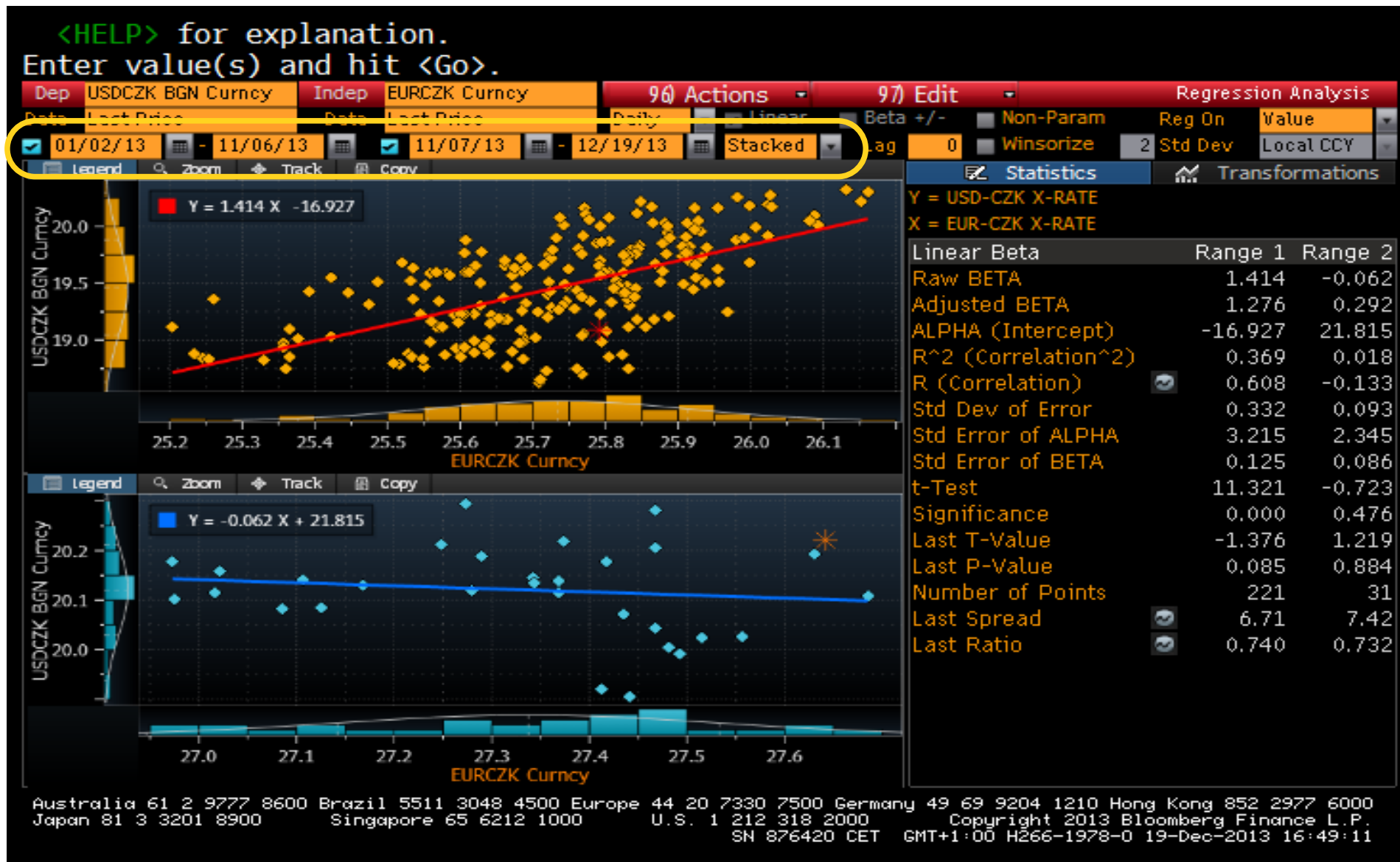
# Bez spodního grafu regrese se zobrazí průběhy obou proměnných



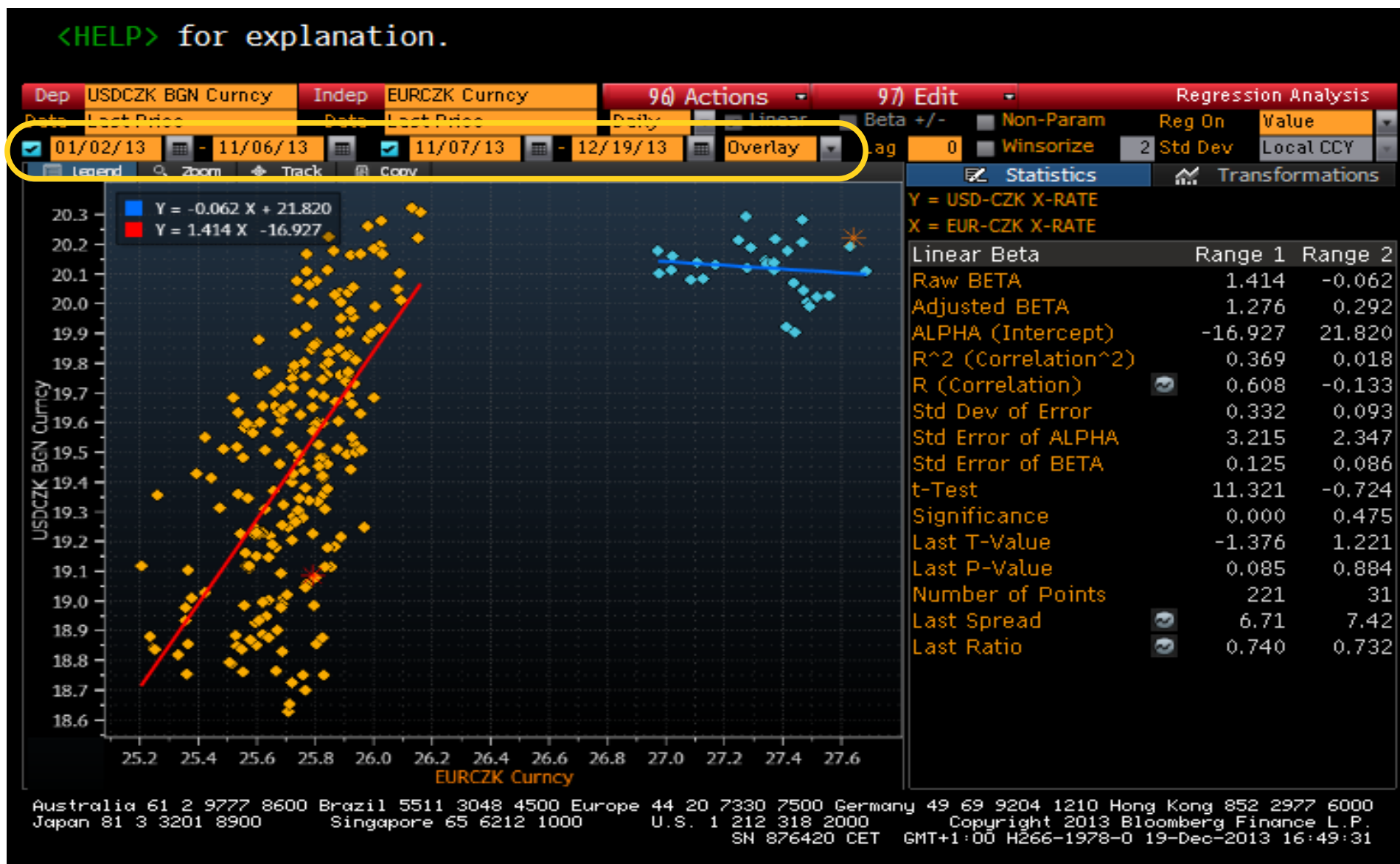
<HELP> for explanation.  
 <Menu> to Show Chart

Dep	USDCZK BGN Currency	Indep	EURCZK Currency	90 Actions		97 Edit		Regression Analysis				
Data	Last Price	Data	Last Price	Daily	<input checked="" type="checkbox"/> Linear	<input type="checkbox"/> Beta +/-	<input checked="" type="checkbox"/> Non-Param	Reg On	Value			
<input checked="" type="checkbox"/> 01/02/13	-	11/06/13	12/19/10	-	12/19/12	Stacked	Lag	0	<input type="checkbox"/> Winsorize	2	Std Dev	Local CCY
Linear Beta		Range 1	Non-Parametric		Range 1							
Raw BETA		1.380	R^2 (Correlation^2)		0.426							
Adjusted BETA		1.253	R (Correlation)		0.652							
ALPHA (Intercept)		-16.039	Std Dev Bandwidth		0.037							
R^2 (Correlation^2)		0.371	Slice Size		0.018							
R (Correlation)	<input checked="" type="checkbox"/>	0.609	Number of Slices		59							
Std Dev of Error		0.332	Number of Points		221							
Std Error of ALPHA		3.124	Last Spread	<input checked="" type="checkbox"/>	6.66							
Std Error of BETA		0.121	Last Ratio	<input checked="" type="checkbox"/>	0.742							
t-Test		11.365										
Significance		0.000										
Last T-Value		-1.313										
Last P-Value		0.095										
Number of Points		221										
Last Spread	<input checked="" type="checkbox"/>	6.66										
Last Ratio	<input checked="" type="checkbox"/>	0.742										

# Porovnání před/po intervenci



# Porovnání před/po intervenci



# Analýza volatility

Ukázka na kurzu EUR/CZK

# EUR/CZK

Analyze Currency Menu ▾ EUR-CZK X-RATE Curncy ▾ MENU ▾ Message ☆ ↻ 📄 ⚙️ ?

**EURCZK** 27.642 +.011  BGN 27.638 / 27.646 BGN  
AT 16:50 Op 27.634 Hi 27.713 Lo 27.552 Close 27.631 Value 12/23/13

Home > Currency Markets > Analyze EUR-CZK X-RATE Curncy <Cancel> X

1) DES Security Description	Idea Generation
2) Price Discovery >	13) VOLC Volatility Comparison
3) ALLQ Composite Quotes	14) FXFM FX Rate Forecast Model
4) FXFA FX-Interest Rate Arbitrage	15) Charts, Tables & Technicals >
5) FXFR Spot/Forwards Monitor	16) GP Historical Line Chart
6) BQ Bloomberg Quote	17) GIP Intraday Price Chart
7) Valuation >	18) TECH Technical Study Browser
8) FRD FX Forward Calculator	19) Stats & Comparative Analysis >
9) BFIX Bloomberg FX Fixings	20) PC Peer Correlation
10) FXCA Currency Conversion Calculator	21) HS Spread or Ratio Analysis
News & Research	22) OTC Pricing & Vol Analysis >
11) CN Current News	23) OVML Option valuation
12) BRC Research	24) OVDV Option Volatility Surface
	25) SDRV SDR Derivatives Volumes

3) Contact Us  
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subsidiaries (BFLP) except  
) BLP provides BFLP with  
from reliable sources,  
ities or commodities.

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# OTC

OTC Pricing & Vol Analysis Menu | EUR-CZK X-RATE Curncy | MENU | Message

EURCZK ↓ 27.641 +.010 BGN 27.636 / 27.646 BGN  
At 16:51 Op 27.634 Hi 27.713 Lo 27.552 Close 27.631 Value 12/23/13

Home ► Analyze EUR-CZK X-RATE Curncy > OTC Pricing & Vol Analysis <Cancel> X

Structuring & Pricing

- 1) OVML Option Valuation
- 2) VCAL Custom Volatility Calendars
- 3) XDF Foreign Exchange Defaults
- 4) BEVL Break-Even Volatility Surface

Volatility Analytics

- 5) OVDV Option Volatility Surface
- 6) VOLC Volatility Comparison
- 7) XCRV FX Term Structures

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# OVDV – volatilita opcí



# EURCZK OVDV

<HELP> for explanation, <MENU> for similar functions.  
Click vol price for details

EURCZK Curncy 90) Asset 91) Actions 92) Settings Volatility Surface  
Bloomberg BGN New York 10:00 Weekdays As of 19-Dec-2013  
1) Vol Table 2) 3D Surface 3) Term 4) Smile 5) Dep and Fwd Rates

RR/BF Put/Call Bid/Ask Mid/Spread

Exp	ATM		25D RR		25D BF		10D RR		10D BF	
	Bid	Ask	Bid	Ask	Bid	Ask	Bid	Ask	Bid	Ask
1D	2.015	8.045	-2.335	1.885	-0.810	2.210	-2.370	4.870	-0.660	4.165
1W	2.915	5.320	0.000	1.685	0.135	1.340	-0.035	2.850	0.380	2.305
2W	3.060	5.060	0.445	1.845	-0.050	0.950	0.140	2.540	0.905	2.505
3W	3.395	4.960	0.750	1.845	0.035	0.815	0.435	2.305	0.980	2.230
1M	3.480	4.930	0.985	2.000	0.060	0.785	1.475	3.215	0.875	2.035
2M	3.505	4.970	1.105	2.130	0.125	0.855	1.745	3.500	1.225	2.395
3M	3.510	5.010	1.240	2.290	0.250	1.000	2.030	3.830	1.540	2.740
6M	3.750	4.750	1.530	2.230	0.455	0.955	2.705	3.905	2.010	2.810
1Y	3.900	4.900	1.445	2.145	0.620	1.120	2.525	3.725	2.850	3.650
18M	3.765	5.325	1.215	2.305	0.665	1.445	2.200	4.075	2.850	4.100
2Y	3.715	5.540	1.185	2.460	0.585	1.500	1.865	4.055	2.815	4.275
3Y	5.200	6.000	1.420	1.980	0.865	1.265	2.570	3.530	3.745	4.385
5Y	4.900	6.300	1.210	2.190	1.000	1.700	2.210	3.890	3.955	5.075

97) Option Pricing (OVML) 98) Legend Zoom 100%

99) Quick Pricer

Mty	1M	Delta	49.975	C	Vol	3.480	4.930	Fwd	27.637	EUR	0.495%
Exp	21-Jan-2014	Strike	27.635	EUR Price	0.421%	0.595%	Spot	27.648	CZK	0.039%	

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Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2013 Bloomberg Finance L.P.  
SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 16:53:41

<HELP> for explanation.  
 Click vol price for details

EURCZK Currency 90) Asset 91) Actions 92) Settings Volatility Surface  
 Bloomberg BGN New York 10:00 Weekdays As of 19-Dec-2013

1) Vol Table 2) 3D Surface 3) Term 4) Smile 5) Dep and Fwd Rates  
 RR/BF  Put/Call  Bid/Ask  Mid/Spread

Exp	ATM		25D Call EUR		25D Put EUR		10D Call EUR		10D Put EUR	
	Bid	Ask	Bid	Ask	Bid	Ask	Bid	Ask	Bid	Ask
1D	.030	.065	.193	.090	.473	.245	.000	.882	.000	.367
1w	.915	.320	.745	.810	.886	.989	.247	.088	.742	.783
2w	.060	.060	.815	.350	.651	.224	.073	.810	.661	.556
3w	.395	.955	.268	.232	.960	.950	.653	.279	.241	.966
1M	.480	.930	.463	.284	.958	.805	.165	.507	.753	.234
2M	.505	.970	.621	.456	.987	.856	.685	.040	.987	.498
3M	.505	.005	.825	.700	.040	.955	.153	.572	.140	.735
6M	.750	.750	.275	.515	.379	.651	.196	.434	.844	.186
1Y	.900	.900	.556	.789	.739	.016	.109	.321	.919	.271
18M	.765	.325	.523	.439	.714	.724	.868	.310	.576	.327
2Y	.715	.540	.464	.698	.576	.941	.646	.659	.468	.917
3Y	.200	.000	.034	.996	.298	.332	.341	.039	.184	.096
5Y	.900	.300	.971	.629	.184	.016	.185	.095	.875	.305

97) Option Pricing (OVML) 98) Legend Zoom 100%

99) Quick Pricer Bid Ask Mid Deposit  
 Mty 1M Delta 49.976 C Vol 3.480 4.930 Fwd 27.640 EUR 0.471%  
 Exp 21-Jan-2014 Strike 27.638 EUR Price 0.421% 0.595% Spot 27.651 CZK 0.016%

# Nastavení zobrazených opcí je přístupné pomocí menu

<HELP> for explanation.  
Click vol price for details

EURCZK Curncy 90) Asset 91) Actions 92) Settings Volatility Surface  
Bloomberg BGN New York 10:00 Weekdays As of 19-Dec-2013

1) Vol Table 2) 3D Surface 3) Term 4) Smile 5) Dep and Fwd Rates

● RR/BF ● Put/Call ● Bid/Ask ● Mid/Spread

Exp	ATM		25D Call EUR		25D Put EUR		10D Call EUR		10D Put EUR	
	Bid	Ask	Bid	Ask	Bid	Ask	Bid	Ask	Bid	Ask
1D	2.030	8.065	1.193	10.090	1.473	10.245	0.000	14.882	0.000	12.367
1W	2.915	5.320	3.745	6.810	2.886	5.989	3.247	9.088	1.742	7.783
1M	3.480	4.930	4.463	6.284	2.958	4.805	5.165	8.507	2.753	6.234
3M	3.505	5.005	4.825	6.700	3.040	4.955	6.153	9.572	3.140	6.735
6M	3.750	4.750	5.275	6.515	3.379	4.651	7.196	9.434	3.844	6.186
1Y	3.900	4.900	5.556	6.789	3.739	5.016	8.109	10.321	4.919	7.271
18M	3.765	5.325	5.523	7.439	3.714	5.724	7.868	11.310	4.576	8.327
2Y	3.715	5.540	5.464	7.698	3.576	5.941	7.646	11.659	4.468	8.917
10Y	4.750	6.200	8.564	10.209	3.641	5.537	12.910	15.720	3.871	7.459

97) Option Pricing (OVML) 98) Legend Zoom 100%

99) Quick Pricer

Mty	1M	Delta	49.975	C	Vol	3.480	4.930	Fwd	27.630	EUR	0.477%
Exp	21-Jan-2014	Strike	27.628	EUR Price	0.421%	0.595%	Spot	27.641	CZK	0.026%	

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2013 Bloomberg Finance L.P.  
SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 16:57:44

# Volatility surface, obrázek je nutno exportovat samostatně

<HELP> for explanation.  
Adjust display parameters and press <Go>

EURCZK Curncy 90 Asset 91 Actions 92 Settings Volatility Surface  
Bloomberg BGN New York 10:00 Weekdays As of 19-Dec-2013

1) Vol Table 2) 3D Surface 3) Term 4) Smile 5) Dep and Fwd Rates

1W 26-Dec-2013 - 10Y 21-Dec-2023

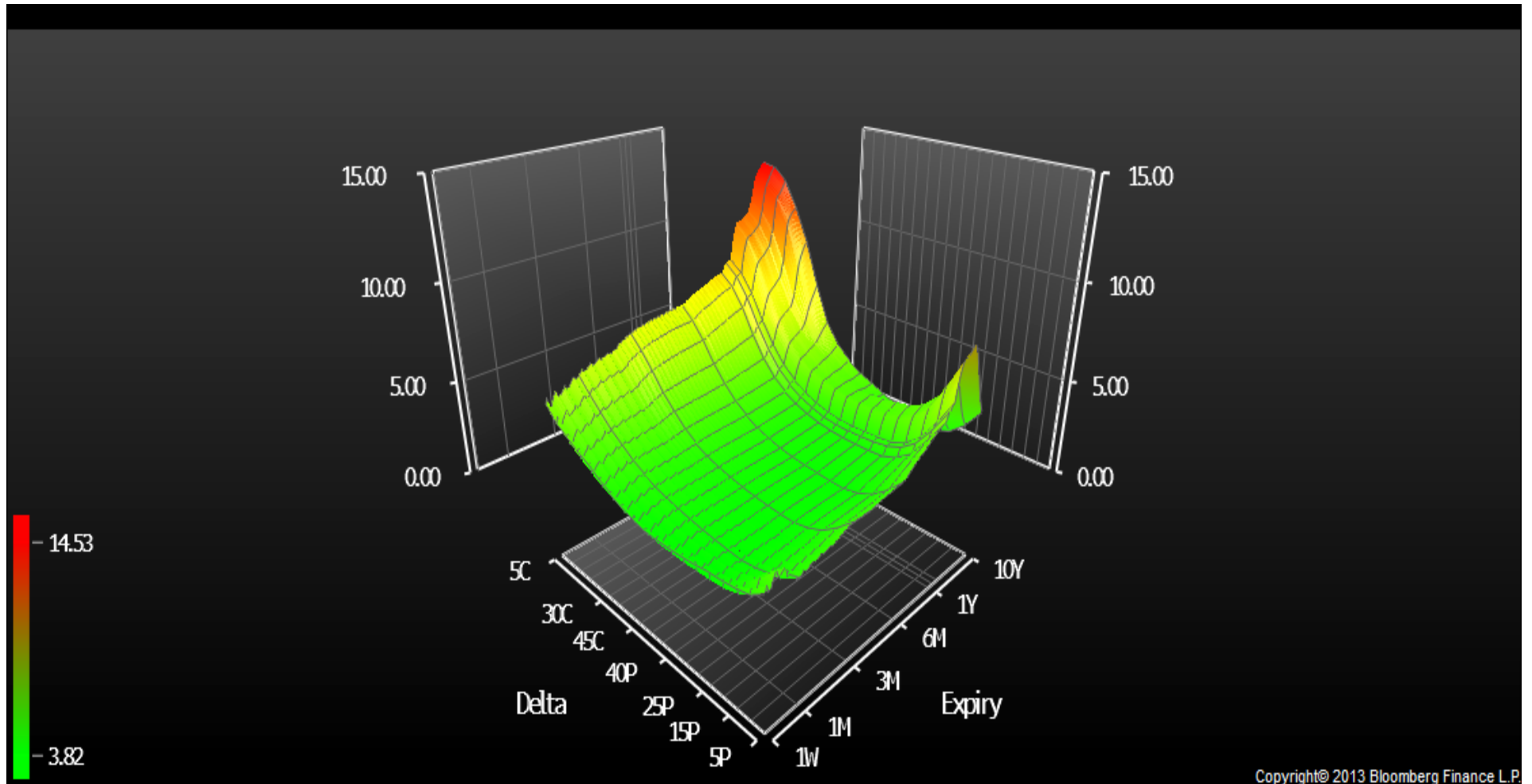
Legend Track View Rotate Pan Zoom Flat Copy Image



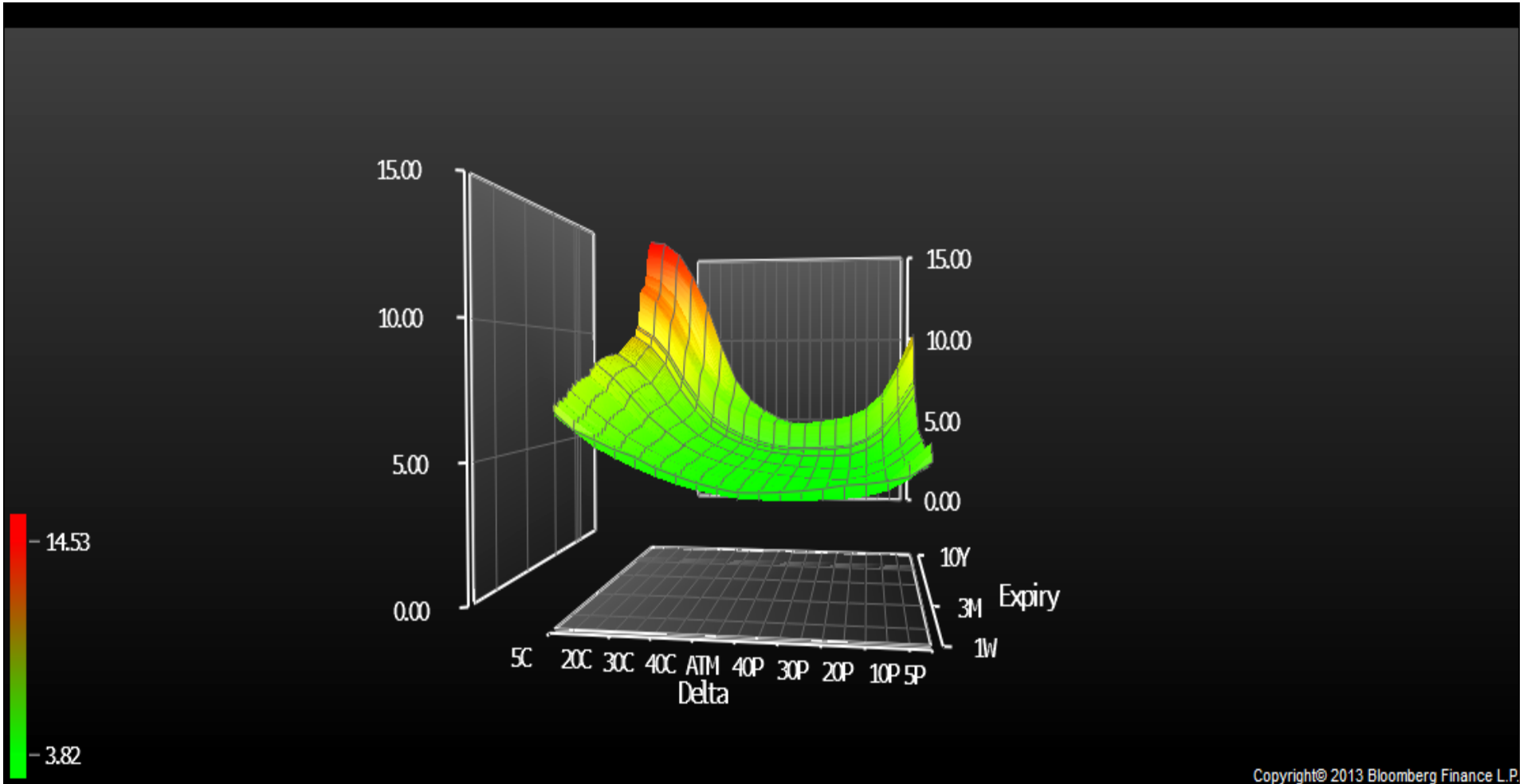
EUR Call/Put forward delta without premium adjustment

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2013 Bloomberg Finance L.P.  
SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 16:58:03

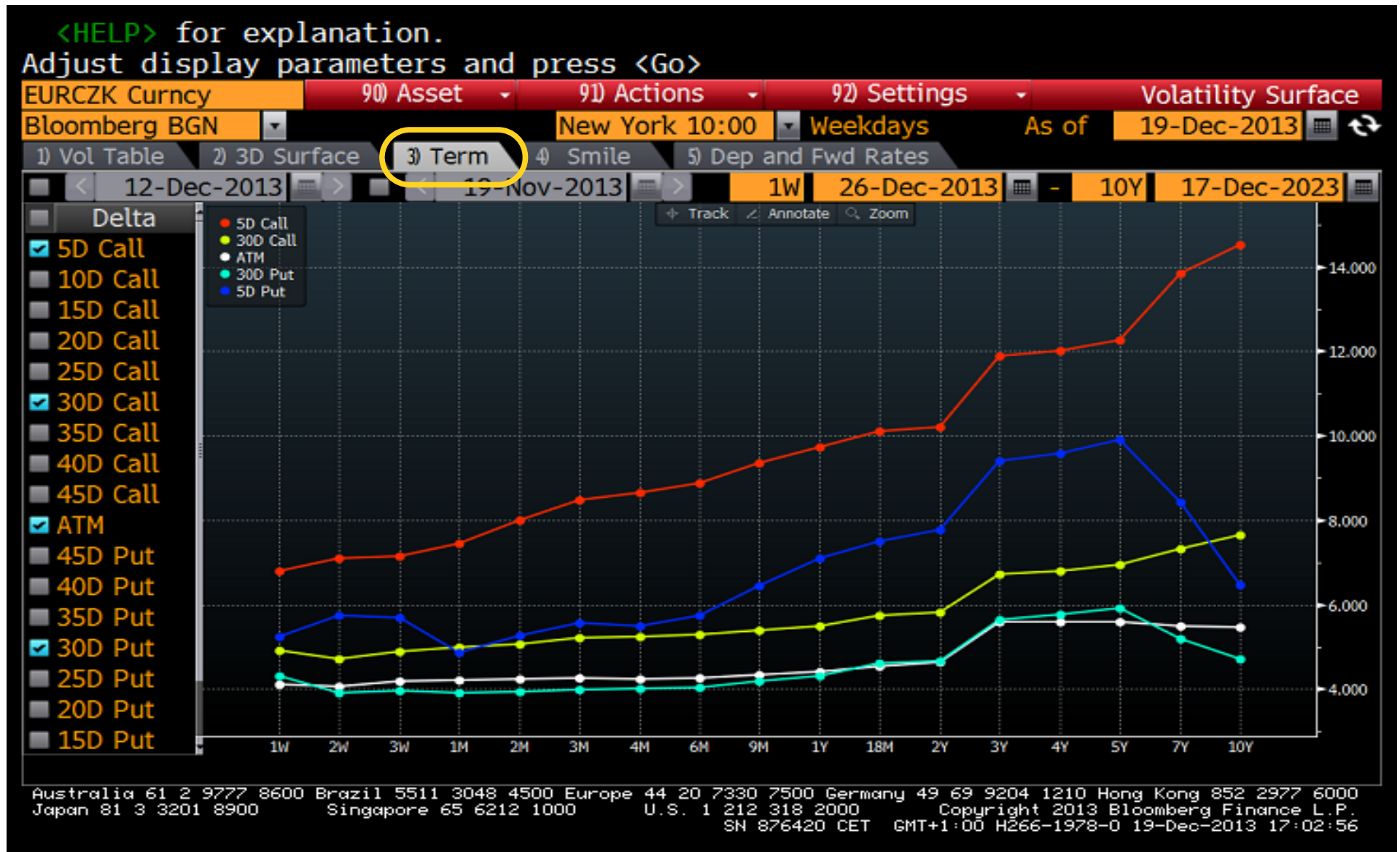
# Volatility surface



# Volatility surface

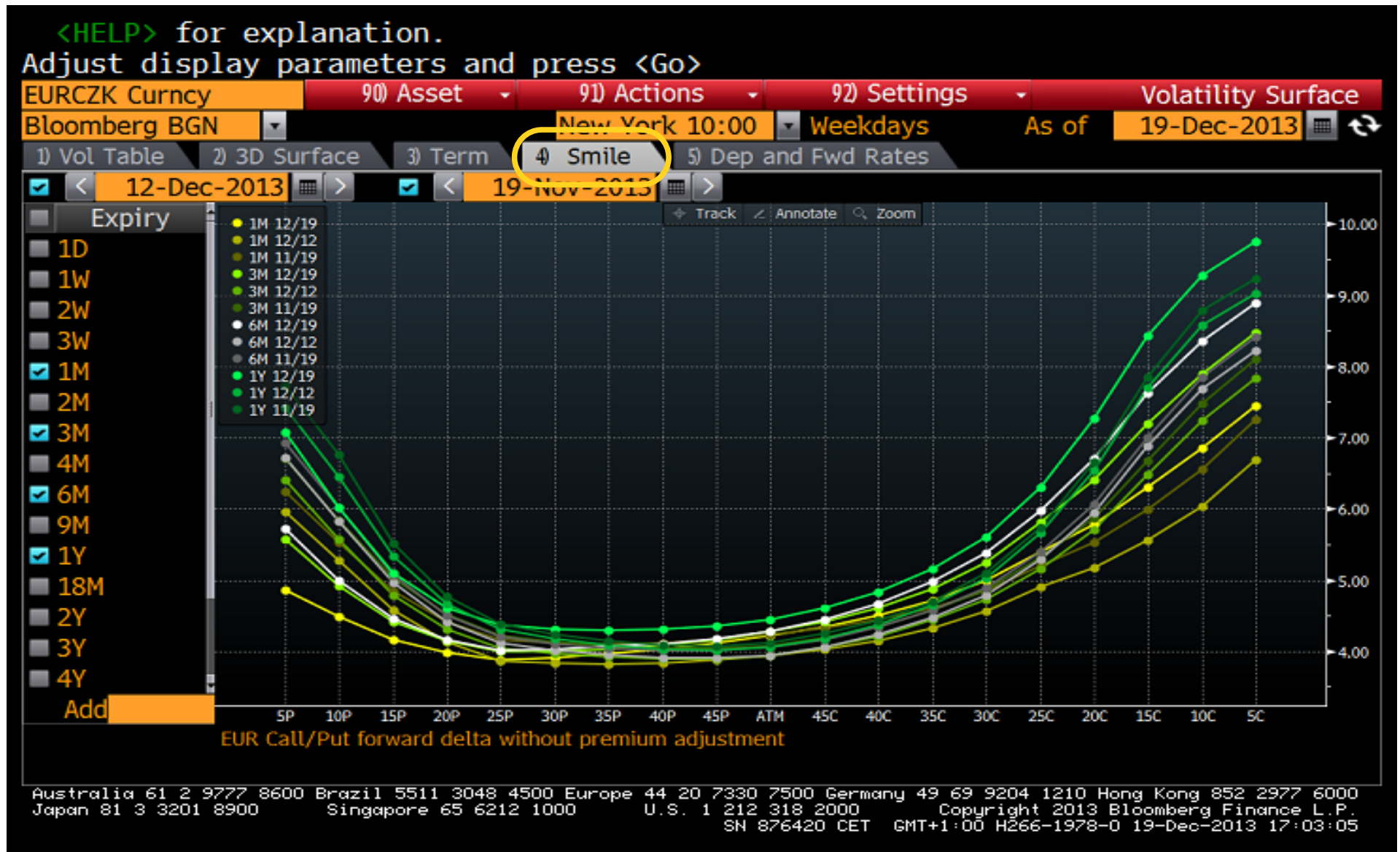


# Řez – Volatility term





# Řez – Volatility smile



# OVML – oceňování opcí

Různé opce na kurz EUR/CZK

# EURCZK OVML,

## 51 Pricing – nastavení parametrů a výsledky

<HELP> for explanation, <MENU> for similar functions.

90) Asset   91) Actions   92) Products   93) Views   94) Data & Settings   Option Valuation  
) Solver (Premium)   32) Load   33) Save   34) Trade   35) CVA   36) Send to TR   Split View  
60) Deal 1   62) +  
51) Pricing   53) Scenario

Strategy 1  
Leg 1

Price date	12/19/13	17:05	More Market Data			
Asset	EURCZK		Vol	BGN	3.514%/5.013%	
Spot	Mid	27.654	Vol Spread		1.499%	
Style	European	Vanilla	Points	Cross	Mid	-23.27
Direction	Client buys	Physical	Forward		Mid	27.631...
Call/Put	EUR	Call	EUR Depo	EUR Bloo	Mid	0.396%
Expiry	3 months	03/20/14	CZK Depo	Implied	Mid	0.063...%
Delivery	NY 10:00	03/24/14	Greeks			
Strike	27.631	ATMF	Gamma		EUR	187,200.82
Notional	EUR	1,000,000.00	Vega			1,989.87
Model	Black-Scholes					

Results

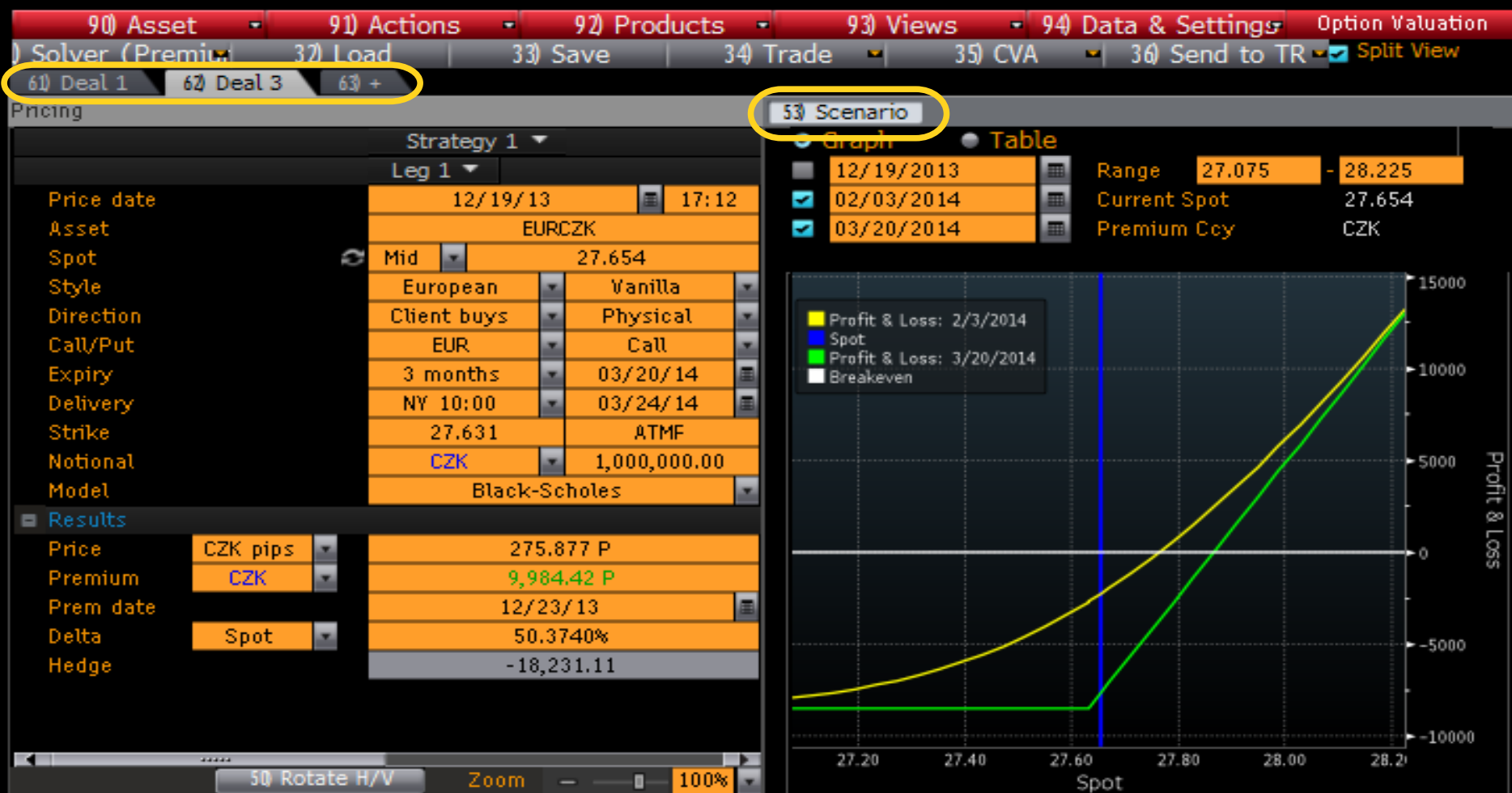
Price	EUR pips	3.610 P
Premium	EUR	9,975.91 P
Prem date		12/23/13
Delta	Spot	49.5258%
Hedge		-495,257.90

50 Rotate H/V   Zoom   100%

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2013 Bloomberg Finance L.P.  
SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 17:05:15

# 53 Scenario – průběh graficky, volbami 61+ lze vytvářet více scénářů současně

<HELP> for explanation.



<HELP> for explanation.

90) Asset    91) Actions    92) Products    93) Views    94) Data & Settings    Option Valuation  
 ) Solver (Premium)    32) Load    33) Save    34) Trade    35) CVA    36) Send to TR     Split View  
 61) Deal 1    62) Deal 3    63) +

Pricing

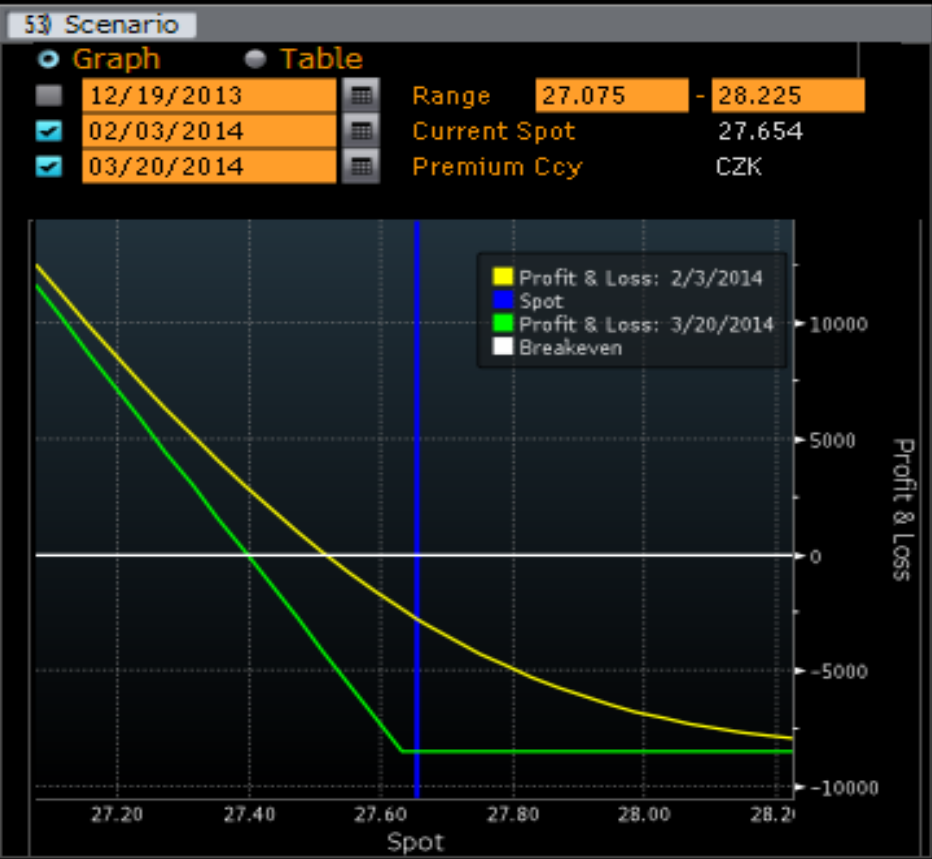
Strategy 1  
 Leg 1

Price date: 12/19/13 17:12  
 Asset: EURCZK  
 Spot: Mid 27.654  
 Style: European Vanilla  
 Direction: Client buys Physical  
 Call/Put: EUR Put  
 Expiry: 3 months 03/20/14  
 Delivery: NY 10:00 03/24/14  
 Strike: 27.631 ATMF  
 Notional: CZK 1,000,000.00  
 Model: Black-Scholes

Results

Price	CZK pips	275.877 P
Premium	CZK	9,984.42 P
Prem date		12/23/13
Delta	Spot	-49.5255%
Hedge		17,924.05

50 Rotate H/V    Zoom    100%



<HELP> for explanation.  
Enter 1 <Go> to calculate

90) Asset    91) Actions    92) Products    93) Views    94) Data & Settings    Option Valuation  
 1) Calc    Solver (Prem)    32) Load    33) Save    34) Trade    35) CVA    36) Send to TR     Split View  
 61) Deal 1    62) Deal 3    63) +

Pricing

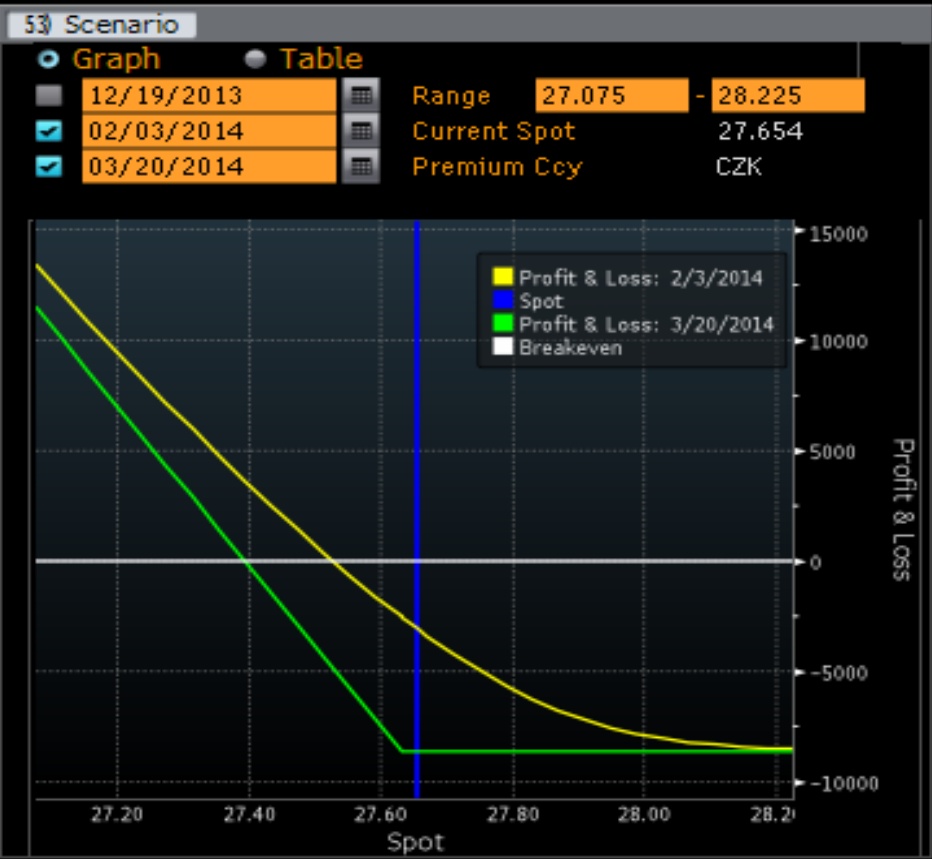
Strategy 1  
 Leg 1

Price date: 12/19/13 17:12  
 Asset: EURCZK  
 Spot: Mid 27.654  
 Style: European Vanilla  
 Direction: Client buys Physical  
 Call/Put: EUR Put  
 Expiry: 3 months 03/20/14  
 Delivery: NY 10:00 03/24/14  
 Strike: 27.631 ATMF  
 Notional: CZK 1,000,000.00  
 Model: Heston

Results

Price	CZK pips	288.095 P
Premium	CZK	10,426.61 P
Prem date		12/23/13
Delta(TV)	Spot	-49.5265%
Hedge(TV)		17,924.41

50 Rotate H/V    Zoom    100%



<HELP> for explanation.  
Enter 1 <Go> to calculate

90) Asset    91) Actions    92) Products    93) Views    94) Data & Settings    Option Valuation  
 1) Calc    Solver (Prem)    32) Load    33) Save    34) Trade    35) CVA    36) Send to TR     Split View  
 61) Deal 1    62) Deal 3    63) +

Pricing

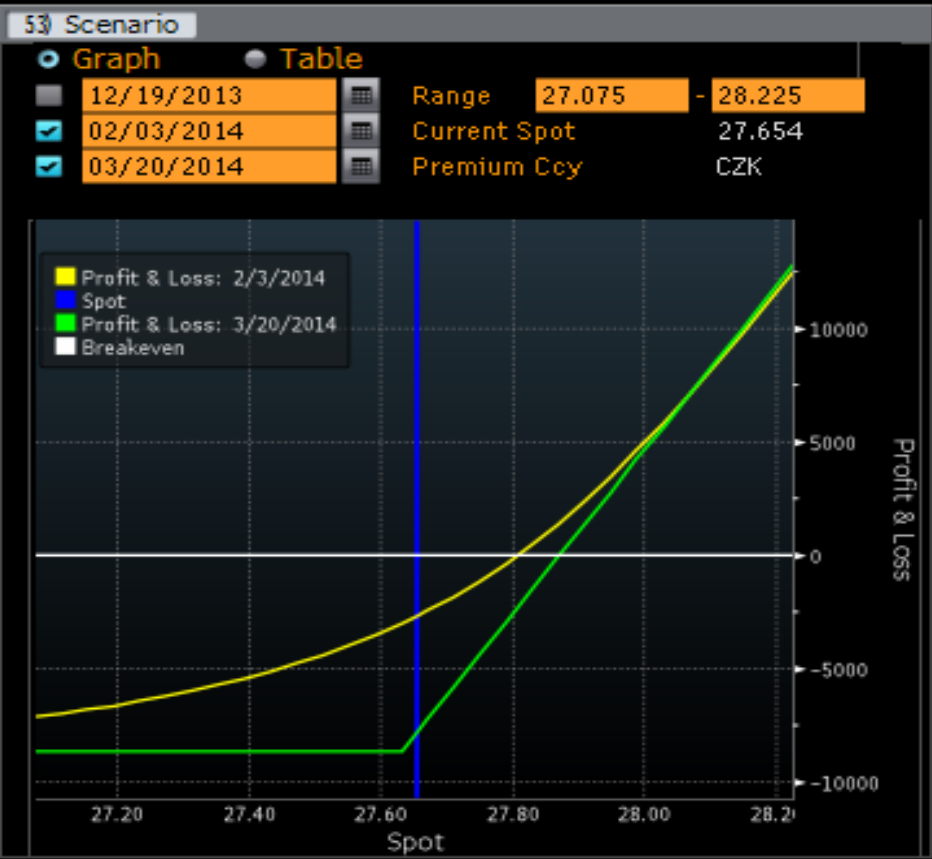
Strategy 1  
 Leg 1

Price date: 12/19/13 17:12  
 Asset: EURCZK  
 Spot: Mid 27.654  
 Style: European Vanilla  
 Direction: Client buys Physical  
 Call/Put: EUR Call  
 Expiry: 3 months 03/20/14  
 Delivery: NY 10:00 03/24/14  
 Strike: 27.631 ATMF  
 Notional: CZK 1,000,000.00  
 Model: Heston

Results

Price	CZK pips	288.301 P
Premium	CZK	10,434.07 P
Prem date		12/23/13
Delta(TV)	Spot	50.3730%
Hedge(TV)		-18,230.75

50 Rotate H/V    Zoom    100%



<HELP> for explanation.  
Enter 1 <Go> to calculate

90) Asset    91) Actions    92) Products    93) Views    94) Data & Settings    Option Valuation  
 1) Calc    Solver (Prem)    32) Load    33) Save    34) Trade    35) CVA    36) Send to TR    Split View  
 61) Deal 1    62) Deal 3    63) +

Pricing

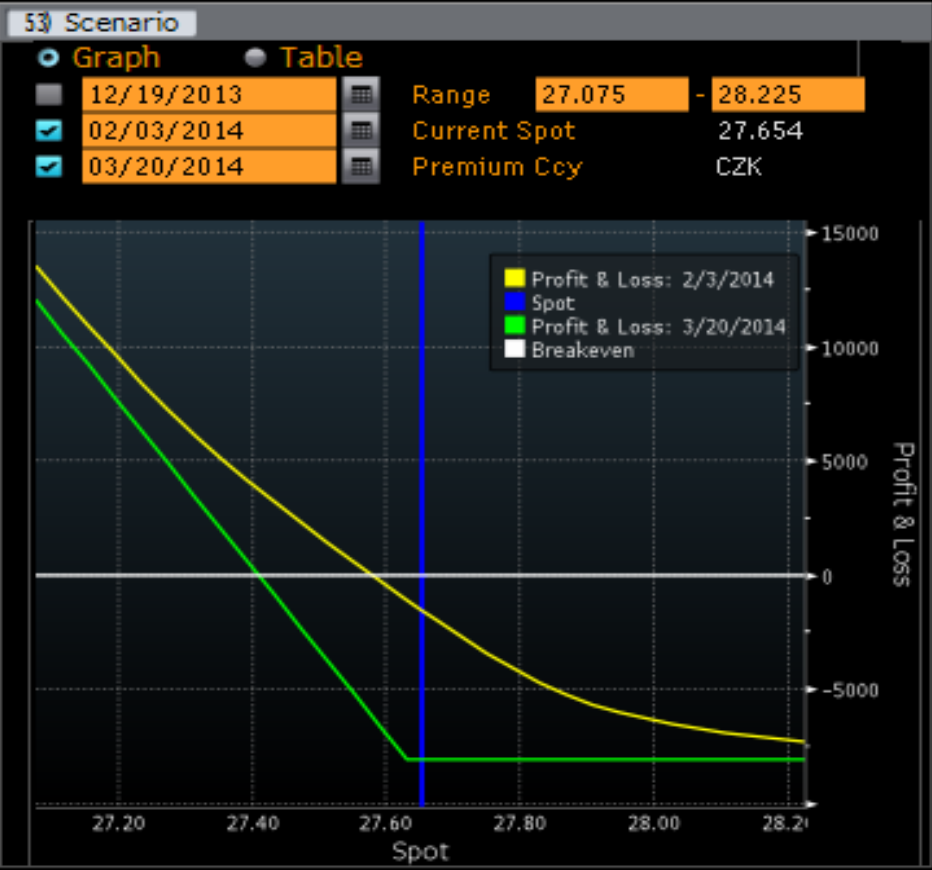
Strategy 1  
 Leg 1

Price date: 12/19/13 17:12  
 Asset: EURCZK  
 Spot: Mid 27.654  
 Style: European Vanilla  
 Direction: Client buys Physical  
 Call/Put: EUR Put  
 Expiry: 3 months 03/20/14  
 Delivery: NY 10:00 03/24/14  
 Strike: 27.631 ATMF  
 Notional: CZK 1,000,000.00  
 Model: Stochastic Vol

Results

Price	CZK pips	264.574 P
Premium	CZK	9,575.35 P
Prem date		12/23/13
Delta(TV)	Spot	-49.5265%
Hedge(TV)		17,924.41

50 Rotate H/V    Zoom    100%





<HELP> for explanation.

90 Asset    91 Actions    92 Products    93 Views    94 Data & Settings    Option Valuation  
 Solver (Premium)    32 Load    33 Save    34 Trade    35 CVA    36 Send to TR    Split View  
 61 Deal 1    62 Deal 3    63 +

Pricing

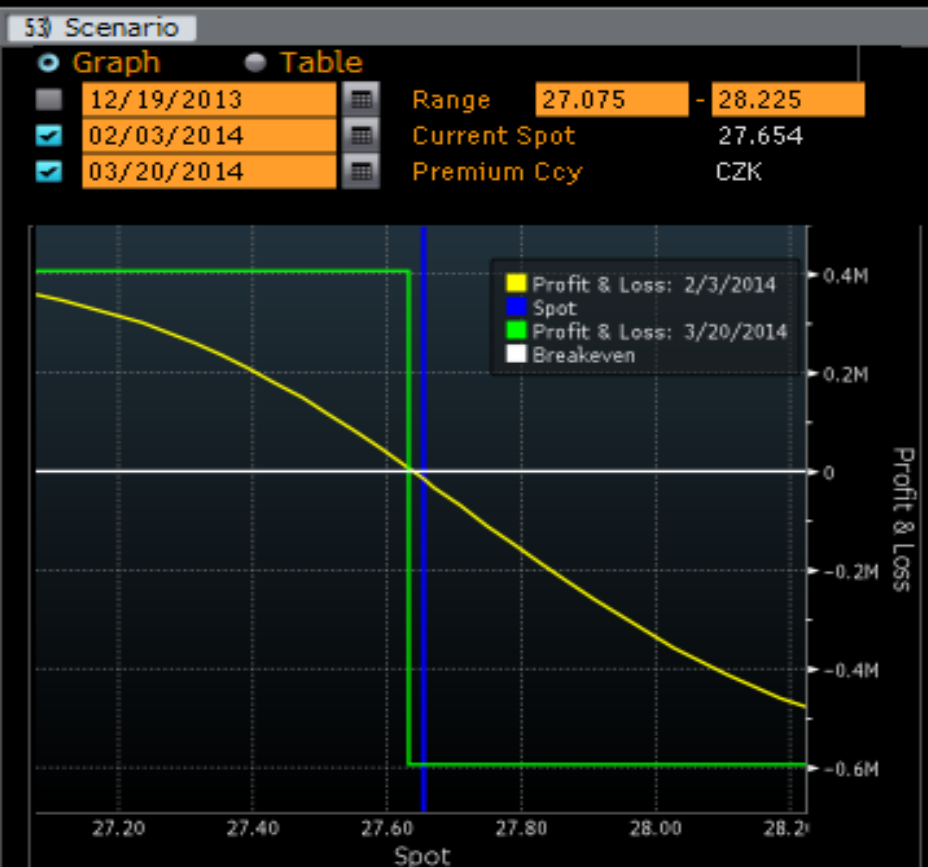
Strategy 1  
 Leg 1

Price date: 12/19/13 17:12  
 Asset: EURCZK  
 Spot: Mid 27.654  
 Style: Digital  
 Direction: Client buys  
 Call/Put: EUR Put  
 Expiry: 3 months 03/20/14  
 Delivery: NY 10:00 03/24/14  
 Strike: 27.631 ATMF  
 Payoff: CZK 1,000,000.00  
 Model: Black-Scholes

Results

Price	% CZK	64.0603% P
Premium	CZK	640,603.40 P
Prem date		12/23/13
SLV Prem	Calculate	
Delta(TV)	Spot	-67.9079%
Hedge(TV)		679,079.07

50 Rotate H/V    Zoom    100%



<HELP> for explanation.

90 Asset    91 Actions    92 Products    93 Views    94 Data & Settings    Option Valuation  
 Solver (Premium)    32 Load    33 Save    34 Trade    35 CVA    36 Send to TR    Split View  
 61 Deal 1    62 Deal 3    63 +

Pricing

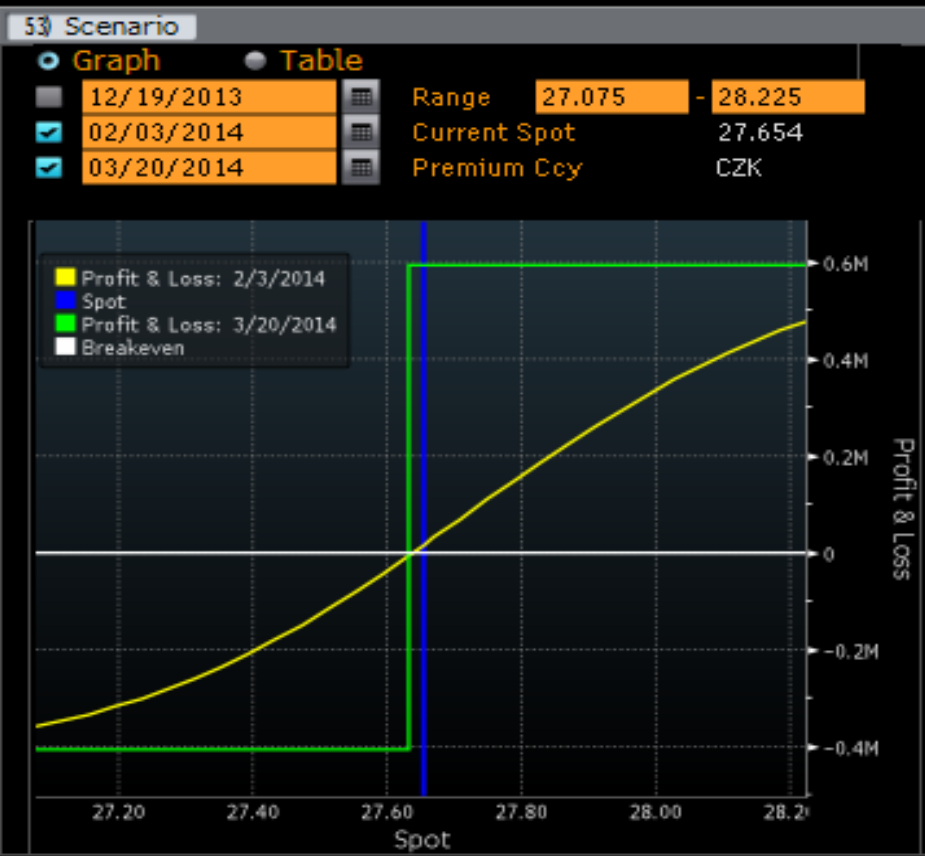
Strategy 1  
 Leg 1

Price date: 12/19/13 17:12  
 Asset: EURCZK  
 Spot: Mid 27.654  
 Style: Digital  
 Direction: Client buys  
 Call/Put: EUR Call  
 Expiry: 3 months 03/20/14  
 Delivery: NY 10:00 03/24/14  
 Strike: 27.631 ATMF  
 Payoff: CZK 1,000,000.00  
 Model: Black-Scholes

Results

Price	% CZK	45.4181% P
Premium	CZK	454,180.96 P
Prem date		12/23/13
SLV Prem	Calculate	
Delta(TV)	Spot	67.9079%
Hedge(TV)		-679,079.07

50 Rotate H/V    Zoom    100%



<HELP> for explanation.

90) Asset    91) Actions    92) Products    93) Views    94) Data & Settings    Option Valuation  
 ) Solver (Premium)    32) Load    33) Save    34) Trade    35) CVA    36) Send to TR     Split View  
 61) Deal 1    62) Deal 3    63) +

Pricing

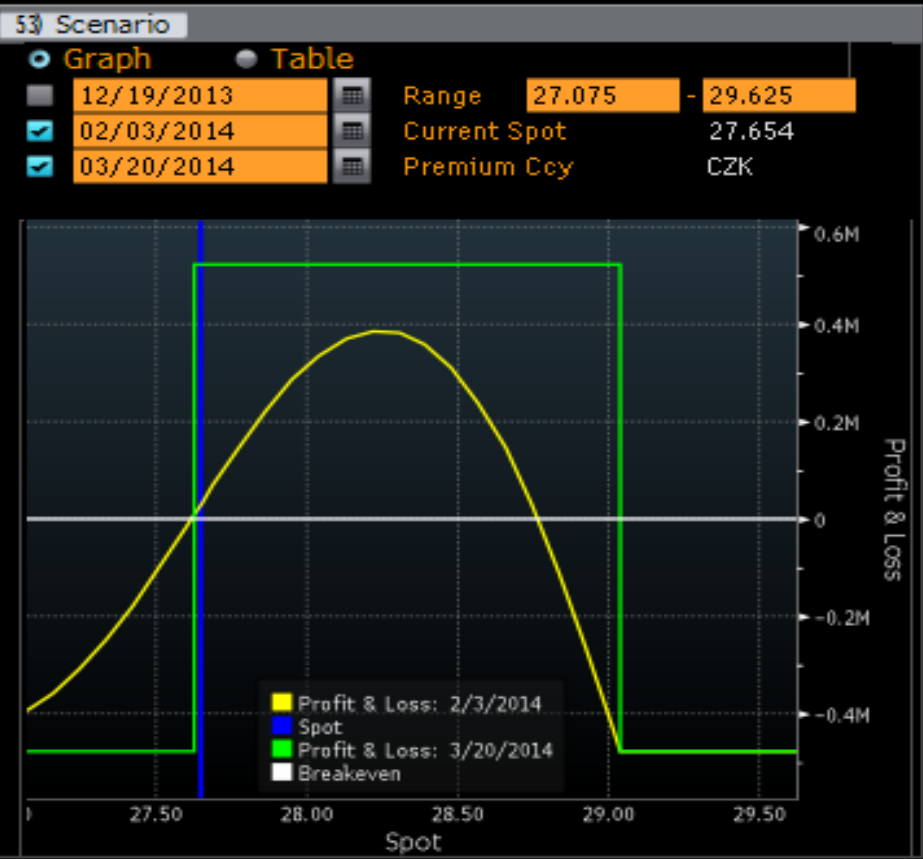
Strategy 1  
 Leg 1

Price date: 12/19/13 17:12  
 Asset: EURCZK  
 Spot: Mid 27.654  
 Style: Dig KO  
 Direction: Client buys  
 Call/Put: EUR Call  
 Expiry: 3 months 03/20/14  
 Delivery: NY 10:00 03/24/14  
 Strike: 27.631 ATMF  
 Payoff: CZK 1,000,000.00  
 Barrier dir.: Up & Out  
 Barrier Type: American

Results

Price	% CZK	47.6451% P
Premium	CZK	476,450.57 P
Prem date		12/23/13
SLV Prem	Calculate	
Delta(TV)	Spot	59.1034%
Hedge(TV)		-591,034.15

50 Rotate H/V    Zoom    100%



<HELP> for explanation.

90 Asset   91 Actions   92 Products   93 Views   94 Data & Settings   Option Valuation  
 Solver (Premium)   32 Load   33 Save   34 Trade   35 CVA   36 Send to TR   Split View  
 61 Deal 1   62 Deal 3   63 +

Pricing

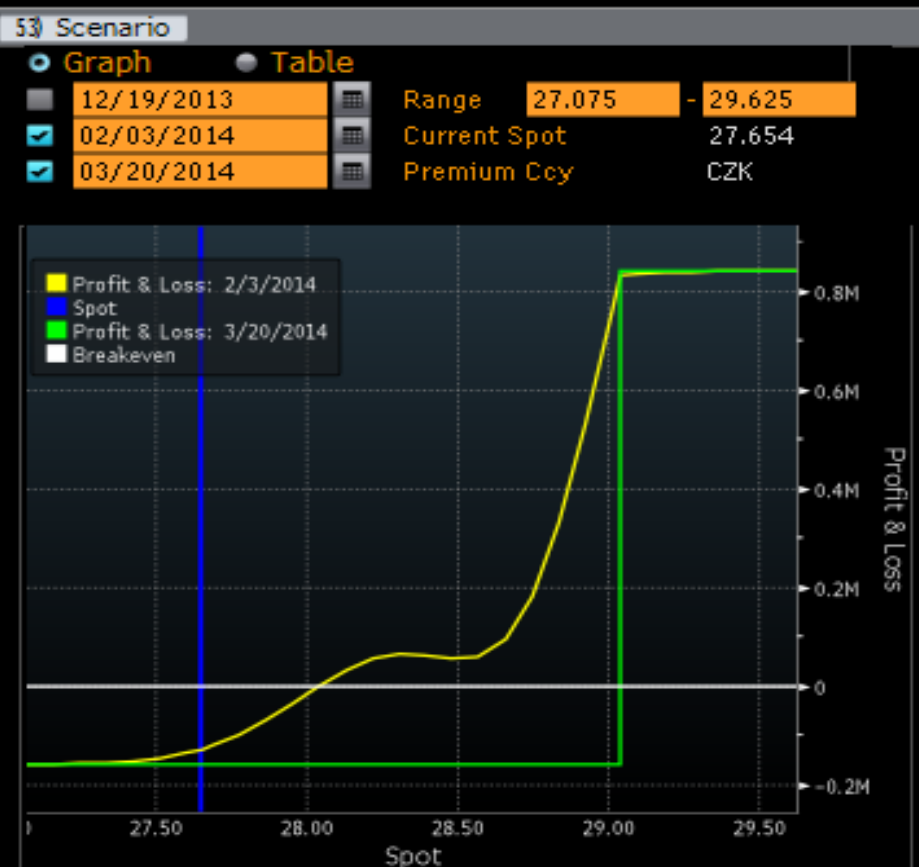
Strategy 1  
 Leg 1

Price date: 12/19/13 17:12  
 Asset: EURCZK  
 Spot: Mid 27.654  
 Style: Dig KI  
 Direction: Client buys  
 Call/Put: EUR Call  
 Expiry: 3 months 03/20/14  
 Delivery: NY 10:00 03/24/14  
 Strike: 27.631 ATMF  
 Payoff: CZK 1,000,000.00  
 Barrier dir.: Up & In  
 Barrier Type: American

Results

Price	% CZK	17.5832% P
Premium	CZK	175,832.10 P
Prem date		12/23/13
SLV Prem	Calculate	
Delta(TV)	Spot	8.8045%
Hedge(TV)		-88,044.92

50 Rotate H/V   Zoom   100%



<HELP> for explanation.

90) Asset    91) Actions    92) Products    93) Views    94) Data & Settings    Option Valuation  
 ) Solver (Premium)    32) Load    33) Save    34) Trade    35) CVA    36) Send to TR     Split View  
 61) Deal 1    62) Deal 3    63) +

Pricing

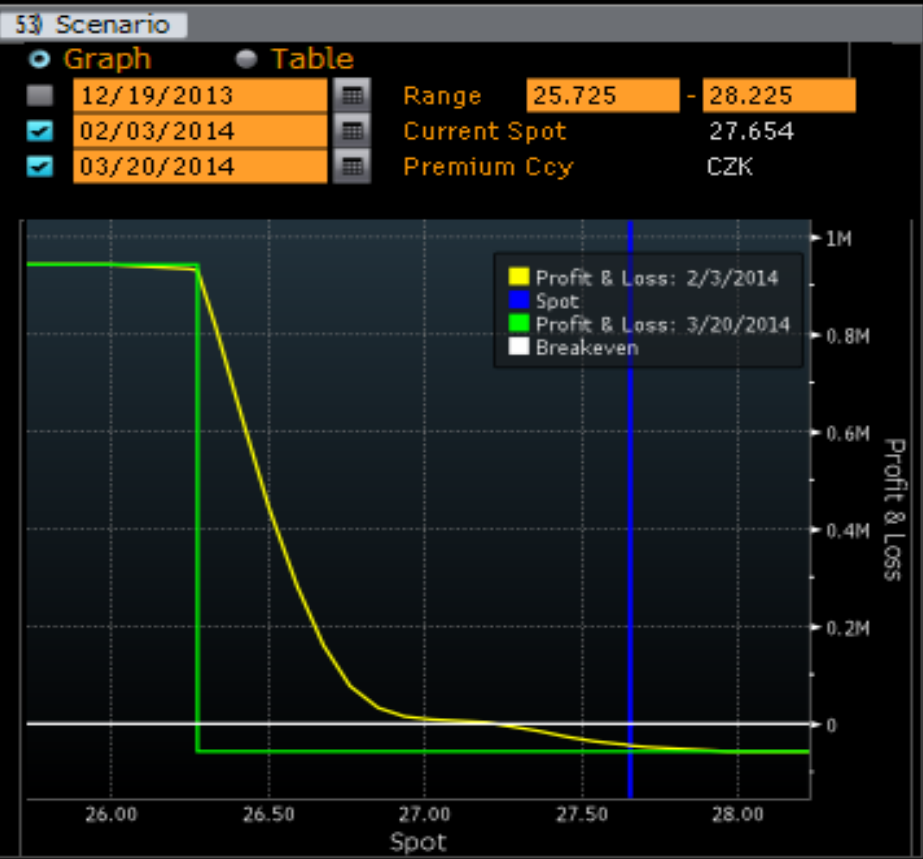
Strategy 1  
 Leg 1

Price date: 12/19/13 17:12  
 Asset: EURCZK  
 Spot: Mid 27.654  
 Style: Dig KI  
 Direction: Client buys  
 Call/Put: EUR Put  
 Expiry: 3 months 03/20/14  
 Delivery: NY 10:00 03/24/14  
 Strike: 27.631 ATMF  
 Payoff: CZK 1,000,000.00  
 Barrier dir.: Down & In  
 Barrier Type: American

Results

Price	% CZK	7.4631% P
Premium	CZK	74,631.02 P
Prem date		12/23/13
SLV Prem	Calculate	
Delta(TV)	Spot	-8.1405%
Hedge(TV)		81,405.00

50 Rotate H/V    Zoom    100%



<HELP> for explanation.  
 Selection Not Available

90 Asset    91 Actions    92 Products    93 Views    94 Data & Settings    Option Valuation  
 Solver (Premium)    32 Load    33 Save    34 Trade    35 CVA    36 Send to TR    Split View  
 61 Deal 1    62 Deal 3    63 +

Pricing

Strategy 1

Leg 1

Price date: 12/19/13 17:12

Asset: EURCZK

Spot: Mid 27.654

Style: Dig KI

Direction: Client buys

Call/Put: EUR Call

Expiry: 3 months 03/20/14

Delivery: NY 10:00 03/24/14

Strike: 27.631 ATMF

Payoff: CZK 1,000,000.00

Barrier dir.: Up & In

Barrier Type: American

Results

Price: % CZK 17.5832% P

Premium: CZK 175,832.10 P

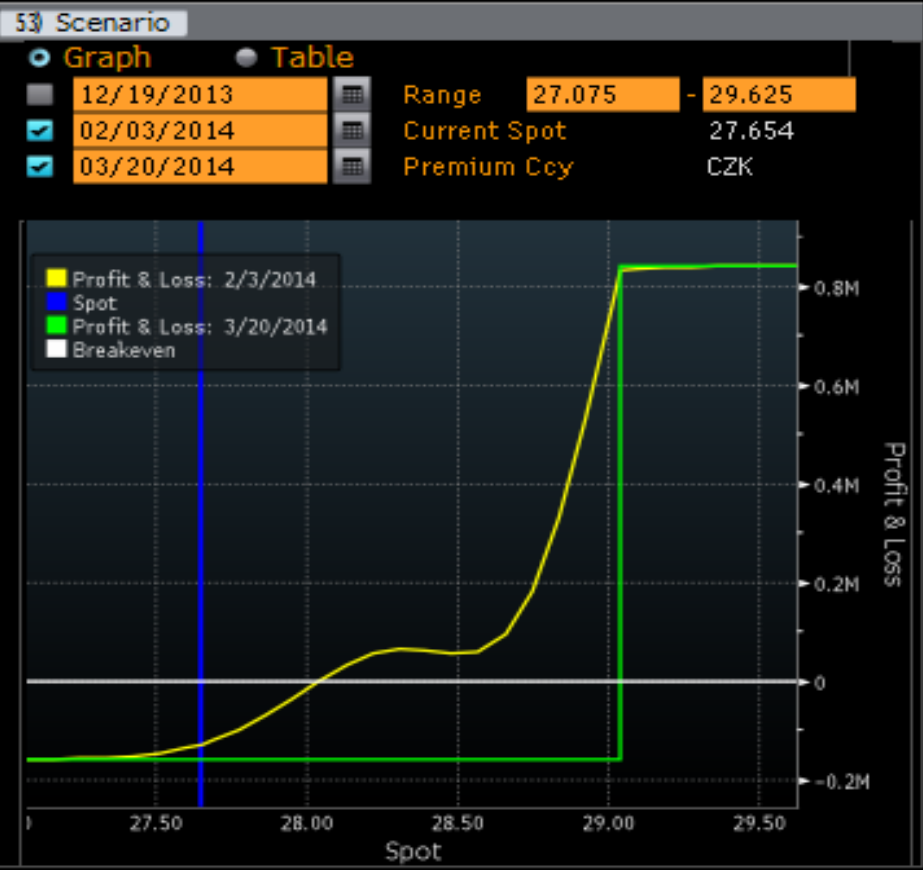
Prem date: 12/23/13

SLV Prem: Calculate

Delta(TV): Spot 8.8045%

Hedge(TV): -88,044.92

50 Rotate H/V    Zoom    100%



<HELP> for explanation.

90) Asset    91) Actions    92) Products    93) Views    94) Data & Settings    Option Valuation  
 ) Solver (Premium)    32) Load    33) Save    34) Trade    35) CVA    36) Send to TR     Split View  
 61) Deal 1    62) Deal 3    63) +

Pricing

Strategy 1

Leg 1

Price date: 12/19/13 17:12

Asset: EURCZK

Spot: Mid 27,654

Style: Knockout

Direction: Client buys Physical

Call/Put: EUR Call

Expiry: 3 months 03/20/14

Delivery: NY 10:00 03/24/14

Strike: 27,631 ATMF

Notional: CZK 1,000,000.00

Barrier dir.: Down & Out

Barrier Type: American

---

Results

Price: CZK pips 275,887 P

Premium: CZK 9,984.78 P

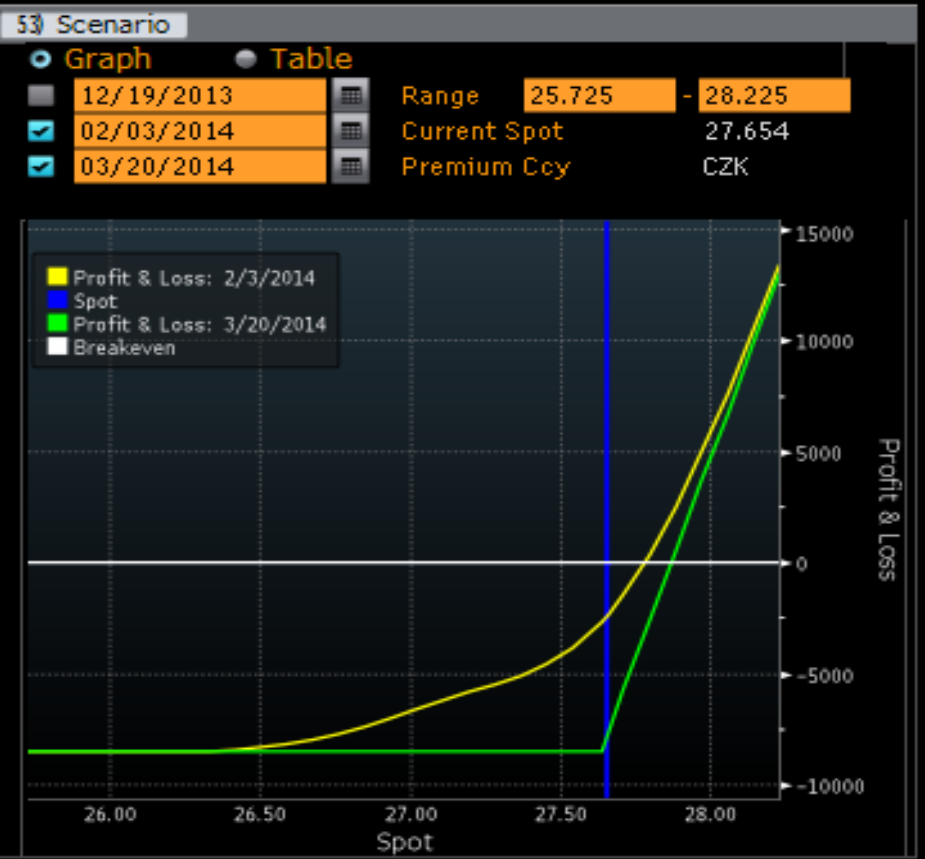
Prem date: 12/23/13

SLV Prem: Calculate

Delta(TV): Spot 50.3731%

Hedge(TV): -18,230.78

50 Rotate H/V    Zoom 100%



<HELP> for explanation.

90 Asset   91 Actions   92 Products   93 Views   94 Data & Settings   Option Valuation  
 Solver (Premium)   32 Load   33 Save   34 Trade   35 CVA   36 Send to TR   Split View  
 61 Deal 1   62 Deal 3   63 +

Pricing

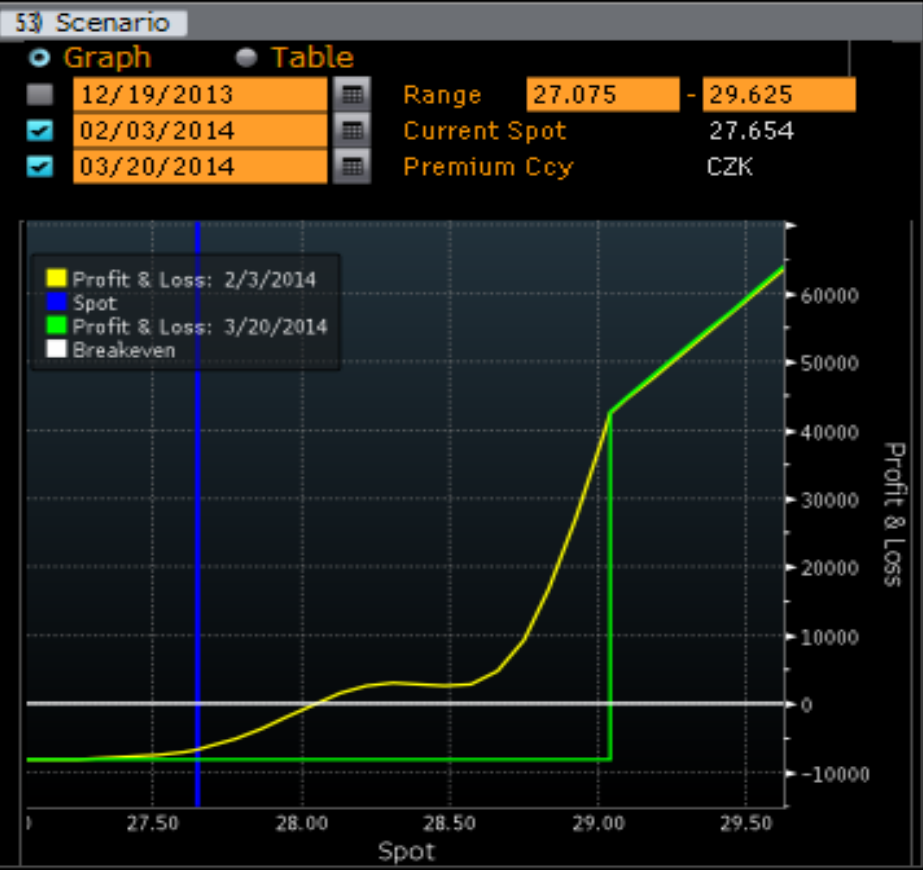
Strategy 1  
 Leg 1

Price date: 12/19/13 17:12  
 Asset: EURCZK  
 Spot: Mid 27.654  
 Style: Knockin  
 Direction: Client buys Physical  
 Call/Put: EUR Call  
 Expiry: 3 months 03/20/14  
 Delivery: NY 10:00 03/24/14  
 Strike: 27.631 ATMF  
 Notional: CZK 1,000,000.00  
 Barrier dir.: Up & In  
 Barrier Type: American

Results

Price: CZK pips 266.093 P  
 Premium: CZK 9,630.31 P  
 Prem date: 12/23/13  
 SLV Prem: Calculate  
 Delta(TV): Spot 12.3253%  
 Hedge(TV): -4,460.73

50 Rotate H/V   Zoom   100%





# Oceňování složitějších opcí se nastavuje pomocí voleb v menu

<HELP> for explanation.

90) Asset    91) Actions    92) Products    93) Views    94) Data & Settings    Option Valuation

Solver (Leg 1 Str)    32) Load    33) Save    34) Trade    35) CVA    36) Send to TR    Split View

61) Deal 3    62) +

51) Pricing    53) Scenario

Straddle 1

	Leg 1		Leg 2	
Price date	12/19/13	17:34		
Asset	EURCZK		EURCZK	
Spot	Mid	27.649	27.649	27.649
Style	European	Vanilla	European	Vanilla
Direction	Client buys	Physical	Client buys	Physical
Call/Put	EUR		EUR	Call
Expiry	3 months		3 months	03/20/14
Delivery	NY 10:00		NY 10:00	03/24/14
Strike		Forward	27.632	0.02% OTMF
Notional	CZK		CZK	1,000,000.00
Model	Black-Scholes		Black-Scholes	
More Market Data				
Vol	BGN		3.524%/5.024%	3.524%/5.024%
Vol Spread			1.499%	1.499%
Points	Cross	Mid	-23.24	-23.24
Results				
Price	CZK pips	552.850 P	273.280 P	279.570 P
Premium	CZK	20,007.55 P	9,889.96 P	10,117.59 P
Prem date		12/23/13	12/23/13	12/23/13
Delta	Spot	0.0000%	49.9482%	-49.9482%
Hedge		-0.01	-18,076.20	18,076.19

50 Rotate H/V    Zoom    95%

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2013 Bloomberg Finance L.P.  
 SN 876420 CET GMT+1:00 H266-1978-0 19-Dec-2013 17:35:59

<HELP> for explanation.

90) Asset    91) Actions    92) Products    93) Views    94) Data & Settings    Option Valuation  
Solver (Leg 1 Str)    32) Load    33) Save    34) Trade    35) CVA    36) Send to TR    Split View

61) Deal 3    62) +

51) Pricing    53) Scenario

Graph

Table

Y-Axis    Profit & Loss

X-Axis    Spot

Position    None

12/19/2013

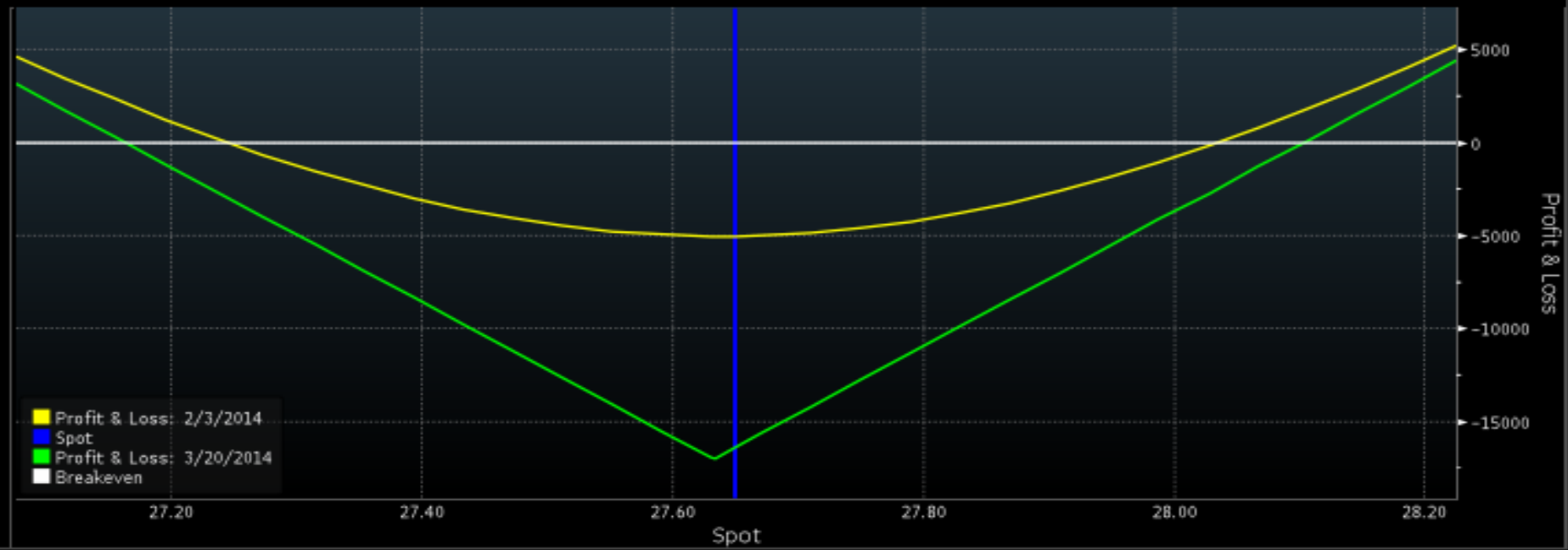
02/03/2014

03/20/2014

Range    27.075    -    28.225

Current Spot    27.649

Premium Coy    CZK



Australia 61 2 9777 8600    Brazil 5511 3048 4500    Europe 44 20 7330 7500    Germany 49 69 9204 1210    Hong Kong 852 2977 6000  
Japan 81 3 3201 8900    Singapore 65 6212 1000    U.S. 1 212 318 2000    Copyright 2013 Bloomberg Finance L.P.  
SN 876420 CET    GMT+1:00 H266-1978-0 19-Dec-2013 17:36:09

<HELP> for explanation.

90) Asset		91) Actions		92) Products		93) Views		94) Data & Settings		Option Valuation
olver (Leg 1 Not)		32) Load		33) Save		34) Trade		35) CVA		36) Send to TR
61) Deal 3		62) +								Split View
51) Pricing		53) Scenario								
Butterfly 1										
		Leg 1		Leg 2		Leg 3		Leg 4		
Price date	12/19/13		17:36							
Asset	EURCZK		EURCZK		EURCZK		EURCZK		EURCZK	
Spot	Inid 27.647		27.647		27.647		27.647		27.647	
Style			European Vanilla		European Vanilla		European Vanilla		European Vanilla	
Direction	Physical		Client buys		Client buys		Client sells		Client sells	
Call/Put	EUR		Put		EUR		Call		EUR	
Expiry	3 months		03/20/14		3 months		03/20/14		3 months	
Delivery	NY 10:00		03/24/14		NY 10:00		03/24/14		NY 10:00	
Strike	Forward		27.260		28.190		27.624		27.624	
Notional	CZK		1,258,683.43		CZK		1,258,683.43		CZK	
Model			Black-Scholes		Black-Scholes		Black-Scholes		Black-Scholes	
More Market Data										
Vol	BGN		4.008%		5.805%		3.514%/5.013%		3.514%/5.013%	
Vol Spread			0.000%		0.000%		1.499%		1.499%	
Points	Cross		Inid -23.22		-23.22		-23.22		-23.22	
Forward	Inid		27.624...		27.624...		27.624...		27.624...	
EUR Depo	EUR B100		Inid 0.410...%		0.410...%		0.410...%		0.410...%	
CZK Depo	Implied		Inid 0.077...%		0.077...%		0.077...%		0.077...%	
Greeks										
Gamma	EUR		-1,320.46		EUR 7,338.07		EUR 4,894.31		EUR -6,776.42	
Vega			0.00		2,024.54		1,958.41		-1,991.48	
Results										
Price	CZK pips		105.849 P		83.275 P		117.854 P		193.318 P	
Premium	CZK		4,887.43 P		3,845.10 P		5,263.97 P		6,998.25 P	
Prem date			12/23/13		12/23/13		12/23/13		12/23/13	
Delta	Spot		-1.4818%		-25.0000%		25.0000%		-50.3725%	
Hedge			684.22		11,543.41		-11,166.32		18,235.18	

<HELP> for explanation.

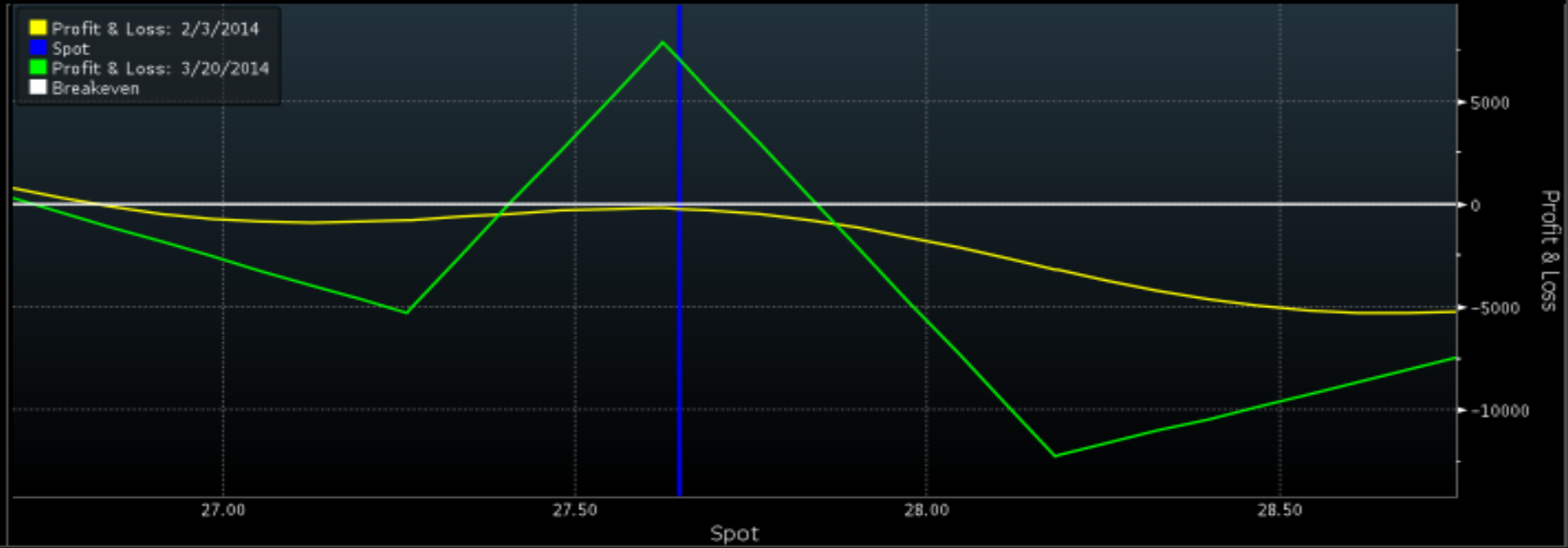
90) Asset    91) Actions    92) Products    93) Views    94) Data & Settings    Option Valuation  
olver (Leg 1 Noti    32) Load    33) Save    34) Trade    35) CVA    36) Send to TR    Split View

61) Deal 3    62) +

51) Pricing    53) Scenario

Graph     Table  
Y-Axis    Profit & Loss  
X-Axis    Spot  
Position    None

12/19/2013	Range	26.700	-	28.750
<input checked="" type="checkbox"/> 02/03/2014	Current Spot	27.647		
<input checked="" type="checkbox"/> 03/20/2014	Premium Coy	CZK		



Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
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<HELP> for explanation.

90) Asset		91) Actions		92) Products		93) Views		94) Data & Settings		Option Valuation		
Solver (Leg 4 Str)		32) Load		33) Save		34) Trade		35) CVA		36) Send to TR		
61) Deal 3		62) +										
51) Pricing		53) Scenario										
Condor 1												
		Leg 1		Leg 2		Leg 3		Leg 4				
Price date	12/19/13 17:38											
Asset	EURCZK		EURCZK		EURCZK		EURCZK		EURCZK		EURCZK	
Spot	Inid 27.649		27.649		27.649		27.649		27.649		27.649	
Style			European Vanilla		European Vanilla		European Vanilla		European Vanilla		European Vanilla	
Direction	Physical		Client buys		Client buys		Client sells		Client sells		Physical	
Call/Put	EUR		EUR		EUR		EUR		EUR		EUR	
Expiry	3 months		3 months 03/20/14		3 months 03/20/14		3 months 03/20/14		3 months 03/20/14		3 months 03/20/14	
Delivery	NY 10:00		NY 10:00 03/24/14		NY 10:00 03/24/14		NY 10:00 03/24/14		NY 10:00 03/24/14		NY 10:00 03/24/14	
Strike	Forward		29.079 5.26% OTHF		28.776 3.06% OTHF		28.182 2.01% OTHF		27.262		1.32% OTHF	
Notional	CZK		1,000,000.00		1,000,000.00		1,000,000.00		1,000,000.00		1,000,000.00	
Model			Black-Scholes		Black-Scholes		Black-Scholes		Black-Scholes		Black-Scholes	
More Market Data												
Vol	BGN		7.89%		4.93%		4.89%/6.79%		3.05%/4.95%			
Vol Spread			0.00%		0.00%		1.89%		1.90%			
Points	Cross		Inid -23.25		-23.25		-23.25		-23.25		-23.25	
Forward	Inid		27.626...		27.626...		27.626...		27.626...		27.626...	
EUR Depo	EUR B100		Inid 0.408...%		0.408...%		0.408...%		0.408...%		0.408...%	
CZK Depo	Implied		Inid 0.075...%		0.075...%		0.075...%		0.075...%		0.075...%	
Greeks												
Gamma	EUR		-5,526.57		EUR 1,530.48		EUR 2,661.34		EUR -3,888.69		EUR -5,829.69	
Vega			-1,426.83		832.9%		904.60		-1,555.93		-1,608.47	
Results												
Price	CZK pips		41.827 P		50.781 P		32.568 P		78.231 P		44.304 P	
Premium	CZK		1,438.38 P		1,746.31 P		1,216.31 P		2,775.88 P		1,625.12 P	
Prem date			12/23/13		12/23/13		12/23/13		12/23/13		12/23/13	
Delta	Spot		0.0109%		10.0000%		-10.0000%		-25.0000%		25.0000%	
Hedge			-3.76		-3,438.88		3,734.66		8,870.81		-9,170.36	

<HELP> for explanation.

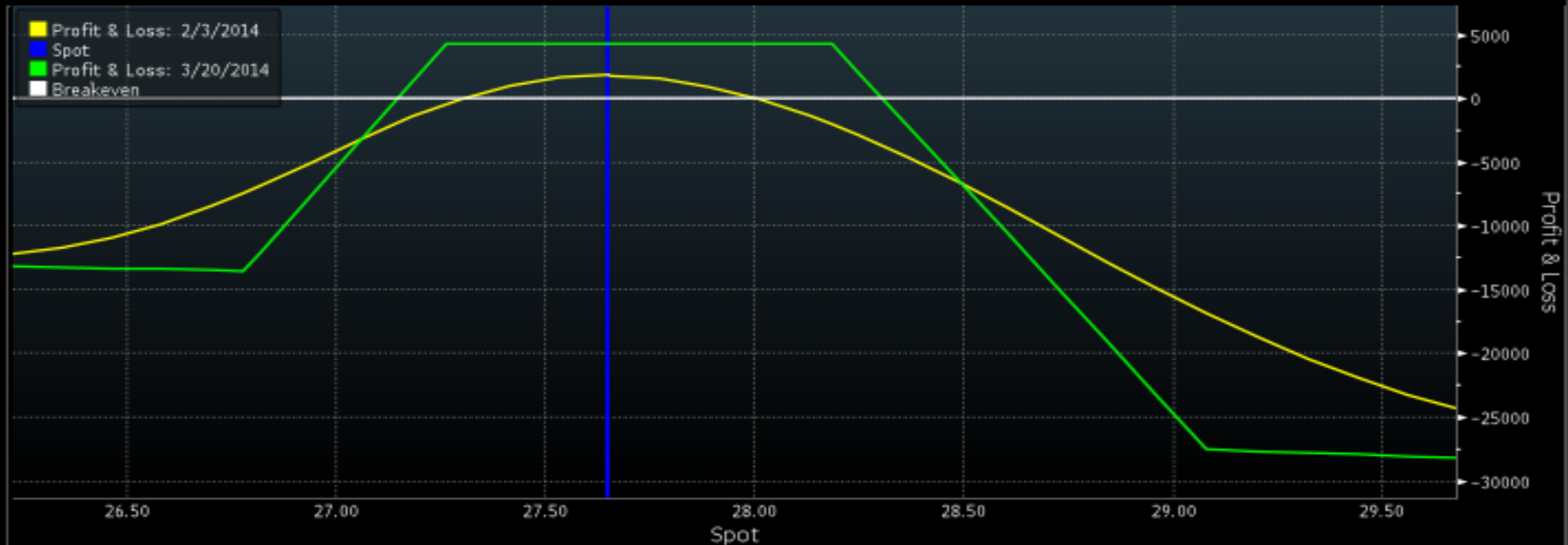
90) Asset    91) Actions    92) Products    93) Views    94) Data & Settings    Option Valuation  
Solver (Leg 4 Str)    32) Load    33) Save    34) Trade    35) CVA    36) Send to TR    Split View

61) Deal 3    62) +

51) Pricing    53) Scenario

Graph     Table  
Y-Axis    Profit & Loss  
X-Axis    Spot  
Position    None

<input type="checkbox"/> 12/19/2013	<input type="checkbox"/>	Range	26.225	-	29.675
<input checked="" type="checkbox"/> 02/03/2014	<input type="checkbox"/>	Current Spot	27.649		
<input checked="" type="checkbox"/> 03/20/2014	<input type="checkbox"/>	Premium Coy	CZK		



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# Qualcomm US

Souhrnná ukázka na akciích a derivátech

# SECF

<HELP> for explanation, <MENU> for similar functions.

<Search>		90 Export	Feedback	1-22 of 1000+ results	Security Finder		
30 All	31 Eqty	32 FI	33 Mtge	34 Cmdty	35 Indx/Stats	36 FX	37 Funds
Security	Description	Category	Sub-Category				
1) IBM US Equity	International Business Machines Corp (U.S.)	Equities	Stocks				
2) SPX Index	S&P 500 Index	Index/Stats	Equity Index				
3) T Govt	United States Treasury Note/Bond (Multiple Matches)	Fixed Income	Govt				
4) EUR Curncy	Euro Spot	Currencies	Spot and Cross				
5) XAU Curncy	Gold Spot	Currencies	Spot and Cross				
6) AAPL US Equity	Apple Inc (U.S.)	Equities	Stocks				
7) JPY Curncy	Japanese Yen Spot	Currencies	Spot and Cross				
8) CT10 Govt	Current United States 10 Year Government Note	Fixed Income	Govt				
9) EURUSD Curncy	Euro / United States Dollar Cross	Currencies	Spot and Cross				
10) USGG10YR Index	US Generic Govt 10 Year Yield	Index/Stats	Other				
11) FNR Mtge	Fannie Mae REMICS (Multiple Matches)	Mortgages	Residential Mort				
12) NKY Index	Nikkei 225	Index/Stats	Equity Index				
13) FHR Mtge	Freddie Mac REMICS (Multiple Matches)	Mortgages	Residential Mort				
14) VOD LN Equity	Vodafone Group PLC (London)	Equities	Stocks				
15) INDU Index	Dow Jones Industrial Average	Index/Stats	Equity Index				
16) GNR Mtge	Government National Mortgage Association (Multiple M	Mortgages	Residential Mort				
17) SX5E Index	EURO STOXX 50 Price EUR	Index/Stats	Equity Index				
18) GT10 Govt	Generic United States 10 Year Government Note	Fixed Income	Govt				
19) FB US Equity	Facebook Inc (U.S.)	Equities	Stocks				
20) BTPS Govt	Italy Buoni Poliennali Del Tesoro (Multiple Matches)	Fixed Income	Govt				
21) AUD Curncy	Australian Dollar Spot	Currencies	Spot and Cross				
22) FHLB Corp	Federal Home Loan Banks (Multiple Matches)	Fixed Income	Corp				

Zoom - 100%



<HELP> for explanation.

<Search> 90 Export Feedback 1-20 of 149 results Security Finder

30 All 31 Eqty 32 FI 33 Mtge 34 Cmnty 35 Indx/Stats 36 FX 37 Funds

40 Stocks 41 ETFs 42 Warrants 43 Equity Futures 44 Equity Options 45 Index Options 46 Vols 47 Options on Equity Futur

48 Excluded (0) no... 61) Column Settings

R	↑	Ticker	Company Name	Curr	Exchange	Country	Type	Trading Status	Price	Avg Vol 30D
			QUAL				Common Stock	Active		
1	▲	QCOM	QUALCOMM Inc	USD	US	US	Common Stock	Active	72.43	11.5M
2	▲	QLTY	Quality Distribution Inc	USD	US	US	Common Stock	Active	12.85	316.2k
3	▲	QSII	Quality Systems Inc	USD	US	US	Common Stock	Active	20.61	386.156k
4	▲	QUAL3	Qualicorp SA	BRL	BZ	BR	Common Stock	Active	21.37	1.559M
5	▲	FVE	Five Star Quality Care Inc	USD	US	US	Common Stock	Active	5.38	230.867k
6	▲	QLYS	Qualys Inc	USD	US	US	Common Stock	Active	23.88	174.842k
7	▲	QCOM	QUALCOMM Inc	USD	UW	US	Common Stock	Active	72.43	3.527M
8	▲	QH	Quality Houses PCL	THB	TB	TH	Common Stock	Active	2.70	62.162M
9	▲	SQS	SQS Software Quality Systems AG	GBp	LN	DE	Common Stock	Active	514.00	154.403k
10	▲	QUAL3	Qualicorp SA	BRL	BS	BR	Common Stock	Active	21.37	1.558M
11	▲	QCOM	QUALCOMM Inc	USD	UQ	US	Common Stock	Active	72.43	3.527M
12	▲	QBAK	Qualstar Corp	USD	US	US	Common Stock	Active	1.06	15.646k
13	▲	1348	Quali-Smart Holdings Ltd	HKD	HK	HK	Common Stock	Active	1.11	453.6k
14	▲	QLT	Qualitech PCL	THB	TB	TH	Common Stock	Active	10.90	29.256k
15	▲	1332	Qualipak International Holdings Ltd	HKD	HK	HK	Common Stock	Active	0.75	128.107k
16	▲	FVE	Five Star Quality Care Inc	USD	UN	US	Common Stock	Active	5.38	64.828k
17	▲	QUAL	Quality & Reliability SA	EUR	GA	GR	Common Stock	Active	1.79	12.088k
18	▲	QPDC	Quality Products Inc	USD	US	US	Common Stock	Active	13.52	172
19	▲	QLTY	Quality Distribution Inc	USD	UQ	US	Common Stock	Active	12.85	82.235k
20	▲	4722	Qualipoly Chemical Corp	TWD	TT	TW	Common Stock	Active	26.25	1.306M

Zoom 100%

# QCOM US

Analyze Equity Security Menu ▾ QUALCOMM INC Equity ▾ SECF ▾ Message ☆ ↻ 📄 ⚙️ ?

**QCOM US \$** **Market**  **P69.31 / 72.50P** **2x1**  
**Prev 72.43** **Vol 15**

*Home > Equities > Analyze QUALCOMM INC Equity* <Cancel> X

- 1) Company Overview >
- 2) DES Security Description
- 3) CF Company Filings
- 4) CN Company News
- 5) Company Analysis >
- 6) FA Financial Analysis
- 7) OWN Ownership Summary
- 8) SPLC Supply Chain Analysis
- 9) CRPR Credit Rating Profile
- 10) Research & Estimates >
- 11) EE Earnings & Estimates
- 12) BRC Research
- 13) Comparative Analytics >
- 14) RV Comparables Analysis
- 15) EQRV Equity Relative Value Analysis
- 16) Charting & Reporting >
- 17) GP Historical Line Chart
- 18) GF Graph Fundamentals
- 19) EQR Equity Report Writer
- 20) Security Surveillance >
- 21) EVT Company Events
- 22) BQ Bloomberg Quote
- 23) Trade Analytics >
- 24) IOIA IOI & Advert Overview
- 25) MDM Market Depth Monitor
- 26) VWAP Price and Volume Dashboard
- 27) RANK Broker Rankings
- 28) TP Trading Performance
- 29) Derivatives >
- 30) OMON Option Monitor

**Security Finder**

Options on Equity Future

61) Column Settings

	Price	Avg Vol 30D
▼		
	72.43	11.5M
	12.85	316.2k
	20.61	386.156k
	21.37	1.559M
	5.38	230.867k
	23.88	174.842k
	31.12	481.159k
	72.43	3.527M
	2.70	62.162M
	514.00	154.403k
	21.37	1.558M
	72.43	3.527M
	N.A.	0
	1.06	15.646k
	1.11	453.6k
	2.70	7.991M
	10.90	29.256k
	N.A.	0
	0.75	128.107k
	8.95	135.546k

+ 100% ▼

# DES – popis

QCOM US \$ Market P69.31 / 72.50P 2x1  
 Prev 72.43 Vol 15

QCOM US Equity 98) Report 99) Feedback Page 1/4 Description: Profile

1) Profile 2) Issue Info 3) Ratios 4) Revenue & EPS

**QUALCOMM INC** 6) Semiconductor Devices (CCB)

QUALCOMM, Inc. manufactures digital wireless communications equipment. The Company licenses its code division multiple access (CDMA) and orthogonal frequency division multiplexing access intellectual property to other companies, and produces CDMA-based integrated circuits; and produces equipment and software used to track workers and assets; and software for wireless content enablement. [BBGID BBG000CGC1X8]

7) Price Chart (GP)

Px/Chg 1D (USD)	72.43/-1.02%
52 Wk H (12/09/13)	74.19
52 Wk L (07/09/13)	59.02
YTD Change/%	10.57/17.09%
Mkt Cap (USD)	122,365.8M
Shrs Out/Float	1,689.4M/1,668.0M
SI/% of Float	23.7M/1.42%
Days to Cover	1.9

8) Earn (ERN) 9) Est (EE)

Date	(C)	01/29/14
P/E		18.18
Est P/E	09/14	14.25
T12M EPS (USD)		3.98
Est EPS		5.08
Est PEG		1.01

11) Dividend (DVD)

Ind Gross Yield	1.93%
5Y Net Growth	15.96%
Cash 11/27/13	0.35

12) Corporate Info

13) [www.qualcomm.com](http://www.qualcomm.com)  
 San Diego, CA, United States  
 Empls 31,000 (09/29/13)

14) Management (MGMT)

15) Paul Eric Jacobs  
 Chairman/CEO

16) Steven Russell Altman "Steve"  
 Vice Chairman

17) Steven M Mollenkopf "Steve"  
 President/COO

18) 12M Total Ret (TRA) 17.47%

Beta vs SPX 1.04

20) Depository Receipts

Active Receipts 4

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# QCOM US – 13 Comparative analytics

Comparative Analytics Menu | QUALCOMM INC Equity | DES | Message

Home > Equities > Analyze QUALCOMM INC Equity > Comparative Analytics <Cancel> X

**Comparables Analysis**

- 1) RV Relative Value
- 2) RVR Relative Value Ranking
- 3) RVC Relative Value Correlation
- 4) RVG Relative Value Graph
- 5) GX Graphical Cross Sectional
- 6) EQRV Equity Relative Valuation

**Statistical Analysis**

- 7) BETA Beta Calculations
- 8) HRA Regression Analysis
- 9) PC Peer Correlation
- 10) MRA Multiple Regression Analysis
- 11) MRAC MRA Creation

**Return Analysis**

- 12) COMP Comparative Returns
- 13) RG Relative Graphs
- 14) POD ADR Premium/Discount Graph

15) Two Security Analytics >

- 16) HS Spread or Ratio Analysis
- 17) SGP Spread or Ratio Analysis
- 18) GR Ratio Chart
- 19) GRE P/E Ratio Graph

**Ratio Analysis**

- 20) MGR Multi Security Ratio Graph
- 21) PEBD P/E Bands

**Custom Charts**

- 22) G Saved Custom Charts

**Description: Profile**

Revenue & EPS

Factor Devices (CCB)

any licenses its

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ent. [BBGID]

Info

omm.com

United States

(09/29/13)

t (MGMT)

acobs

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sell Altman "Steve"

in

ollenkopf "Steve"

O

et (TRA) 17.47%

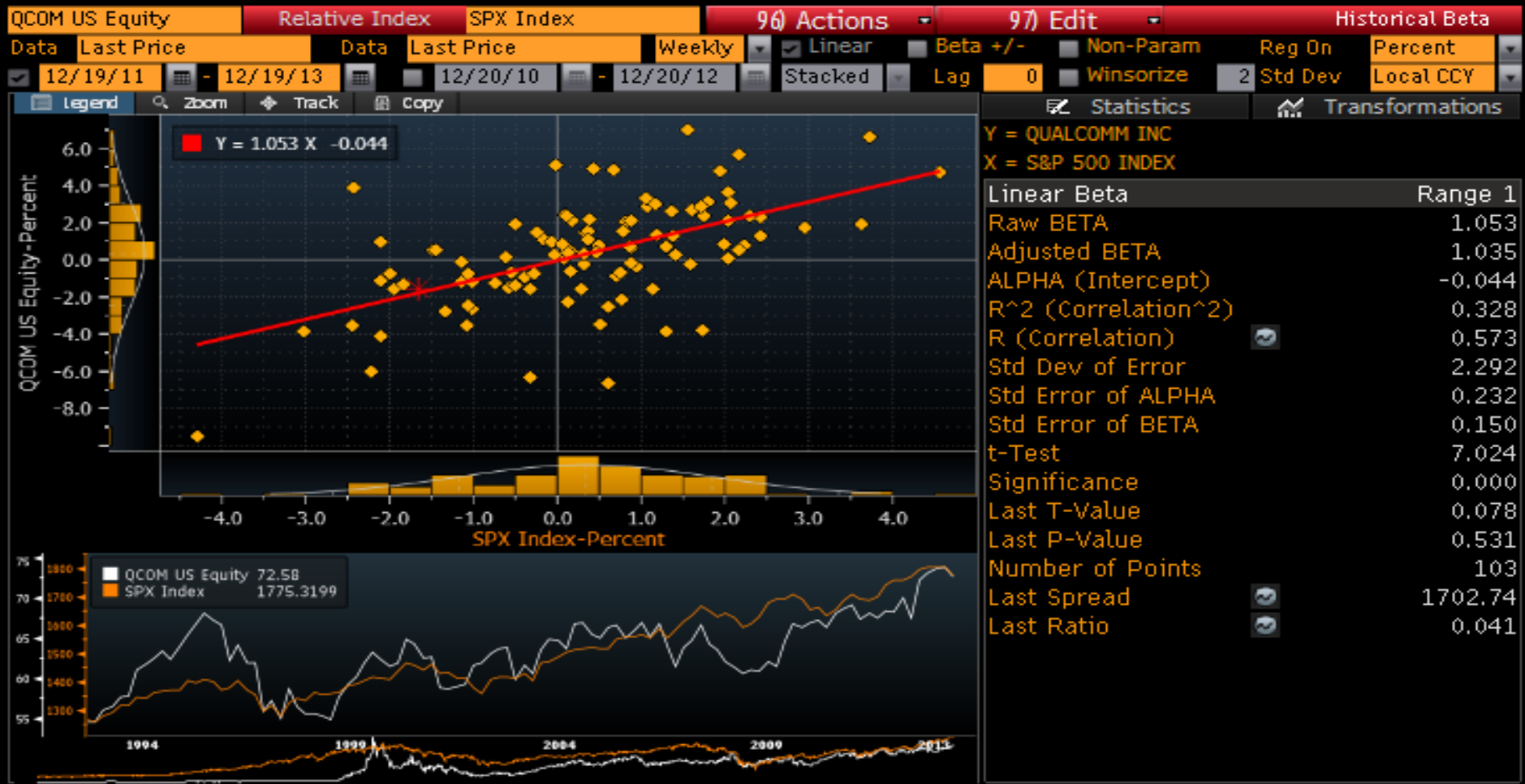
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Receipts

s 4

# BETA – parametry regrese

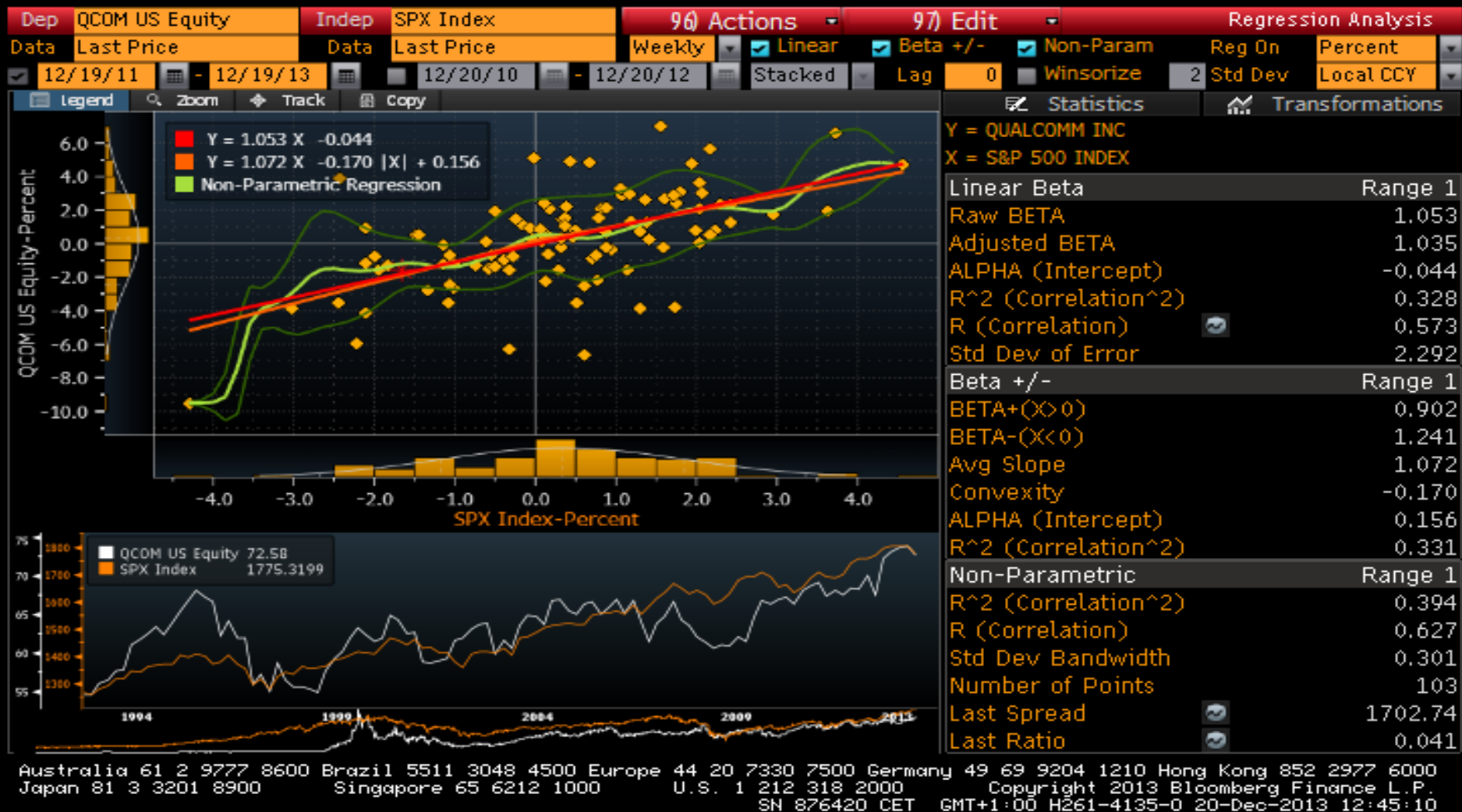
<HELP> for explanation, <MENU> for similar functions.



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# HRA – regresní analýza

<HELP> for explanation.



# TECH – další technické analýzy

<HELP> for explanation.  
 Launch selected study on 1<Go> Historical chart , 2<Go> Intraday chart

Technical Study Browser

---

Find a study   for **QCOM US Equity**

Categories	Popular (14)	Run	Bollinger Bands
4) All standard studies >	Bollinger Bands	BOLL	 <p>Bollinger Bands, developed by John Bollinger, are defined using the standard deviation from a simple moving average, an excellent measure of price volatility. The study plots lines above and below the moving average at a specified number of standard deviations. This study is used ...</p> <p style="text-align: right;"><a href="#">3) More »</a></p> <p>Also listed in</p> <ul style="list-style-type: none"> <li>Moving Avgs/Bands</li> <li>Trend Analysis</li> </ul> <p>Launch <input type="button" value="📄 Historical (BOLL)"/></p> <p><input type="button" value="📄 Intraday (IBOL)"/></p>
5) Popular	Candle Patterns	GPO CNDL	
6) New	Commodity Channel Index	CMCI	
	Directional Movement Inde	DMI	
7) Momentum/Oscillators	Ichimoku	GOC	
8) Moving Avgs/Bands	Moving Avg Conv/Divergen	MACD	
9) Patterns	Moving Avg Oscillator	GPO MAOSC	
10) Statistical	Parabolic Studies	GPO PTPS	
11) Support Resistance	Rate of Change	ROC	
12) Trend Analysis	Relative Strength Index	RSI	
	Simple Moving Avg	GPO SMA	
13) Bloomberg	Stochastics	TAS	
14) 3rd Party Studies >	Trading Envelopes	TE	
	Williams %R	WLPR	
15) User Defined >			
16) Create new study			

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# QCOM US – 29 Derivatives

Derivatives Menu ▾ QUALCOMM INC Equity ▾ MKTP ▾ Message ☆ 🔄 📄 ⚙️ ?

Home > Equities > Analyze QUALCOMM INC Equity > Derivatives <Cancel> X

**Futures & Options**

- 1) OMON Option Monitor
- 2) CALL Call Options
- 3) PUT Put Options
- 4) CT Futures Contract Table
- 5) WMON Warrant Monitor
- 6) OTD Option Description

**OTC Pricing & Structuring**

- 7) OVME Equity and Index Option Valuation
- 8) OVM Option Volatility Matrix
- 9) OPDF Equity Option Settings Screen
- 10) CWS Covered Write Scan
- 11) EOPT Executive Option Analysis
- 12) ELN Equity Link Notes

**Volatilities & Dividends**

- 13) GV Graph Volatility
- 14) OVDV Option Volatility Surface

15) BDVD Bloomberg Dividend Forecasts

16) BEVL Break-Even Volatility Surface

17) VCMP Volatility Comparison Chart

**Market Picture Chart**

Scale 0.05

Reset

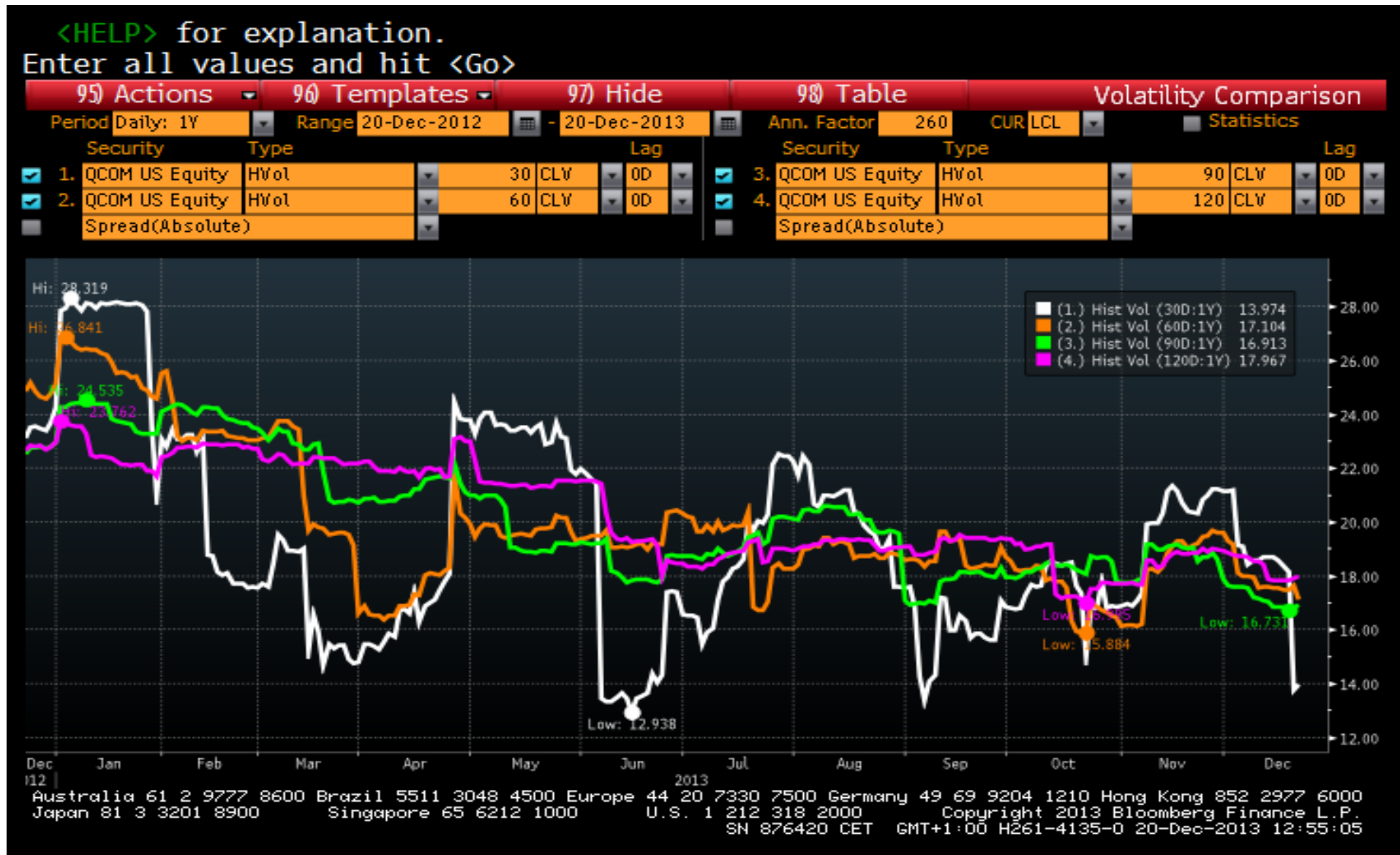
73.35
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73.20
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73.10
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73.00
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72.05
72.00
71.95
71.90
71.85
71.80
71.75
71.70
71.65

33 | 0.0000

AB Point Of Control



# VCMP – porovnání volatilit



# OVDV – závislosti volatility opcí

<HELP> for explanation.  
Click a volatility point for details

QCOM US Equity 90) Asset 91) Actions 92) Settings Volatility Surface  
 QUALCOMM INC 72.34 USD Bloomberg Mid As of 19-Dec-2013 21:45

1) Vol Table 2) 3D Surface 3) Term 4) Skew 5) Dividends 6) Prices

Moneyiness Listed Exp 10) Edit Fwd Dates Strikes

Exp	ImpFwd	80.0%	90.0%	95.0%	97.5%	100.0%	102.5%	105.0%	110.0%	120.0%	150.0%
		57.87	65.11	68.72	70.53	72.34	74.15	75.96	79.57	86.81	108.51
Dec-13	72.34	68.10	41.72	24.20	17.27	13.88	16.05	18.84	21.61	23.41	24.11
Dec-13	72.34	59.11	34.75	20.87	16.03	13.80	15.38	17.95	20.79	22.98	24.01
Jan-14	72.35	52.26	30.61	19.74	16.54	15.00	15.36	16.32	17.29	17.77	18.27
Jan-14	72.35	44.27	27.20	19.70	17.39	16.37	16.33	17.10	20.19	25.03	29.14
Jan-14	72.35	40.82	25.06	19.46	17.77	16.82	16.44	16.53	18.13	22.55	27.08
Jan-14	72.36	36.23	23.64	19.23	17.75	16.81	16.36	16.35	17.43	20.96	25.57
Feb-14	72.37	30.34	24.38	22.61	21.89	21.29	20.82	20.48	20.16	20.68	23.20
Apr-14	72.14	25.90	23.09	22.02	21.52	21.06	20.67	20.36	19.99	20.05	20.98
Jul-14	71.85	25.15	23.12	22.30	21.93	21.61	21.32	21.07	20.68	20.28	21.28
Jan-15	71.24	25.45	23.89	23.26	22.98	22.72	22.49	22.28	21.93	21.46	21.45
Jan-16	70.39	25.63	24.59	24.18	23.99	23.82	23.66	23.51	23.26	22.86	22.29
4Q-16	70.06	25.72	24.88	24.54	24.39	24.24	24.11	23.98	23.76	23.40	22.80
4Q-17	70.67	26.03	25.31	25.01	24.87	24.74	24.62	24.51	24.31	23.97	23.36

97) Option Pricing (OVME) 98) Legend Zoom 100%

99) Quick Pricer

Strike 72.34 Call Vol 21.47% Price 3.031 Dividend yield 1.949%  
 Expiry 20-Mar-2014 Buy Spot 72.340 Delta 52.27% Impl forward 72.033

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2013 Bloomberg Finance L.P.  
 SN 876420 CET GMT+1:00 H261-4135-0 20-Dec-2013 12:57:48

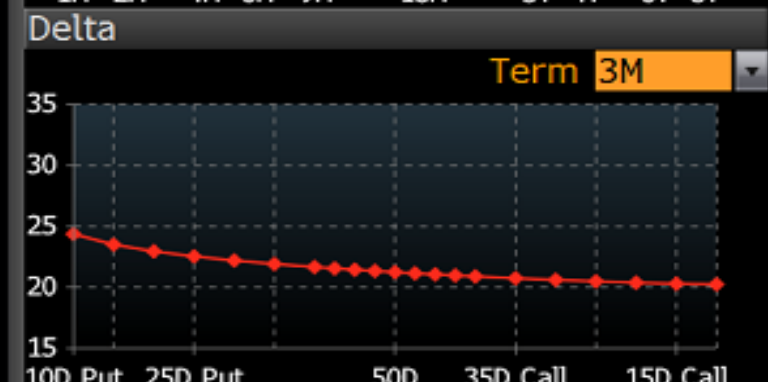
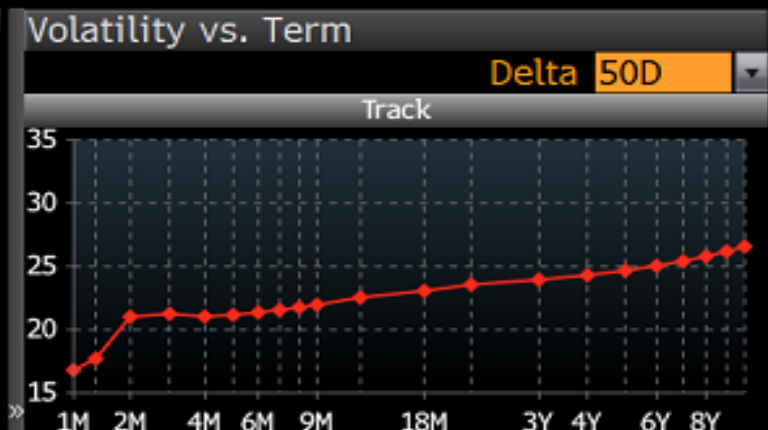
<HELP> for explanation.

QCOM US Equity 90) Asset 91) Actions 92) Settings Volatility Surface  
QUALCOMM INC 72.34 USD Bloomberg Mid As of 19-Dec-2013 21:45  
1) Vol Table 2) 3D Surface 3) Term 4) Skew 5) Dividends 6) Prices

Delta Tenors

1	Moneyness	1	Listed Expiries
2	Sigma	2	Tenors
3	Delta		
4	Strike		

Loading



# OVML – oceňování opcí

1) Asset   2) Actions   3) Products   4) View   5) Data & Setting:   6) Feedback   Option Valuation

12) Solver (Vol)   13) Load   14) Save   16) Trade   17) Ticket   Send to VCON

21) Deal 1   22) +

31) Pricing   32) Scenario   33) Matrix   34) Volatility

Underlying   QCOM US Equity   QUALCOMM INC   Trade   12/20/2013   13:00  
 Und. Price   Mid   72.425   USD   Settle   12/20/2013

Results

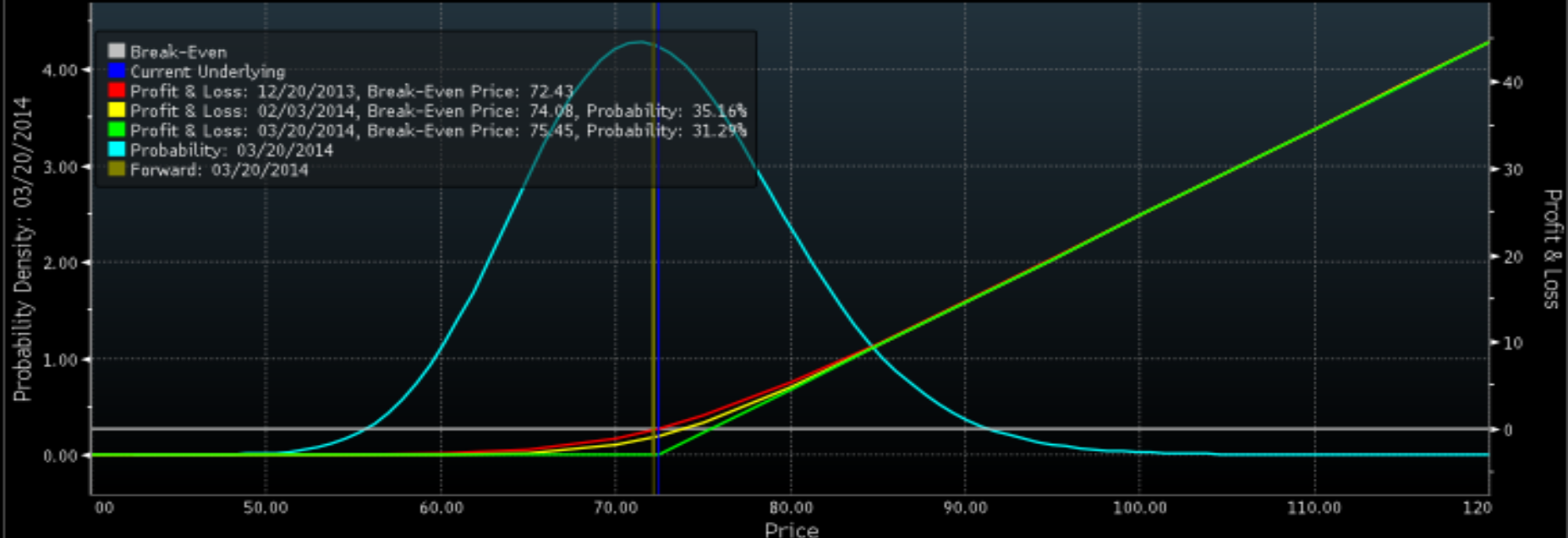
Price (Total)	3.02	Currency	USD	Vega	0.14	Time value	3.02
Price (Share)	3.0229	Delta (%)	52.25	Theta	-0.02	Gearing	23.96
Price (%)	4.1738	Gamma (%)	3.8261	Rho	0.00	Break-Even (%)	4.17

American Vanilla   Leg 1

Style	Vanilla
Exercise	American
Call/Put	Call
Direction	Buy
Strike	72.425
Strike   % Money	ATM
Shares	1.00
Expiry	03/20/2014   21:15
Time to expiry	90   08:15
Model	BS - discrete
Vol   Bloomb	Ask   21.470%
Forward   Carry	72.1178
USD Rate   MMkt	0.248%
Dividend yield	1.968%
Discounted div flow	0.35
Borrow cost	0.000%

Australia 61 2 9777 8600   Brazil 5511 3048 4500   Europe 44 20 7330 7500   Germany 49 69 9204 1210   Hong Kong 852 2977 6000  
 Japan 81 3 3201 8900   Singapore 65 6212 1000   U.S. 1 212 318 2000   Copyright 2013 Bloomberg Finance L.P.  
 SN 876420 CET   GMT+1:00 H261-4135-0 20-Dec-2013 13:02:00

Graph     Table  
 Y-Axis: Profit & Loss     12/20/2013    Range: 40 - 120  
 X-Axis: Price     02/03/2014    Current Spot: 72.425  
 Probability: PDF    03/20/2014     Break-Even    Underlying: QCOM US Equity



1) Asset   2) Actions   3) Products   4) View   5) Data & Setting:   6 Feedback   Option Valuation

12) Solver (Vol)   13) Load   14) Save   16) Trade   17) Ticket   18) Send to VCON

20) Deal 1   21) +

31) Pricing   32) Scenario   33) Matrix   34) Volatility

Underlying   QCOM US Equity   QUALCOMM INC   Trade   12/20/2013   13:00  
 Und. Price   Mid   72.425 USD   Settle   12/20/2013

Results

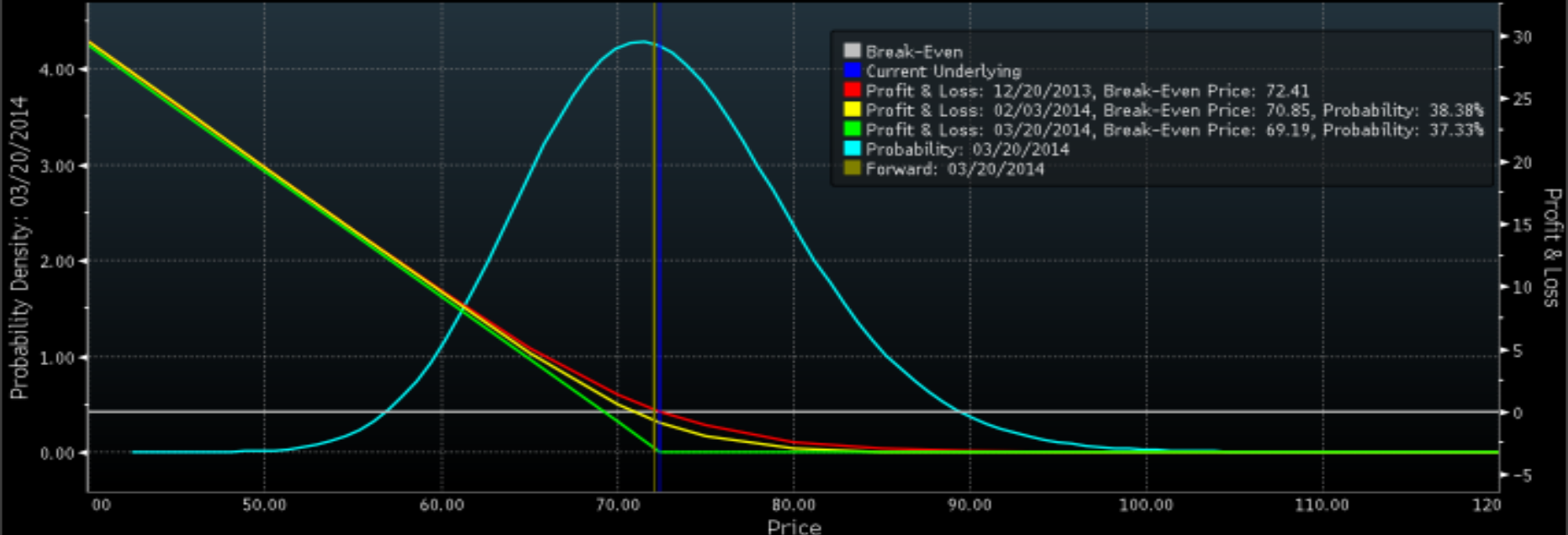
Price (Total)	3.23	Currency	USD	Vega	0.14	Time value	3.23
Price (Share)	3.2337	Delta (%)	-49.22	Theta	-0.02	Gearing	22.40
Price (%)	4.4648	Gamma (%)	3.7155	Rho	0.00	Break-Even (%)	-4.46

European Vanilla   Leg 1

Style	Vanilla
Exercise	European
Call/Put	Put
Direction	Buy
Strike	72.425
Strike   % Money	ATM
Shares	1.00
Expiry	03/20/2014   21:15
Time to expiry	90   08:15
Model	BS - continuous
Vol   Bloomb	Ask   21.470%
Forward   Carry	72.1178
USD Rate   MMkt	0.248%
Dividend yield	1.968%
Discounted div flow	0.35
Borrow cost	0.000%

Graph    Table  
 Y-Axis: Profit & Loss  
 X-Axis: Price  
 Probability   PDF   03/20/2014  
 Break-Even

<input checked="" type="checkbox"/>	12/20/2013	Range	40 - 120
<input checked="" type="checkbox"/>	02/03/2014	Current Spot	72.425
<input checked="" type="checkbox"/>	03/20/2014	Underlying	QCOM US Equity



Underlying QCOM US Equity QUALCOMM INC Trade 12/20/2013 13:00  
 Und. Price Mid 72.425 USD Settle 12/20/2013

Results

Price (Total)	3.11	Currency	USD	Vega	0.13	Time value	-
Price (Share)	3.1143	Delta (%)	-59.10	Theta	-0.03	Gearing	23.26
Price (%)	4.3001	Gamma (%)	8.0946	Rho	0.00	Break-Even (%)	-

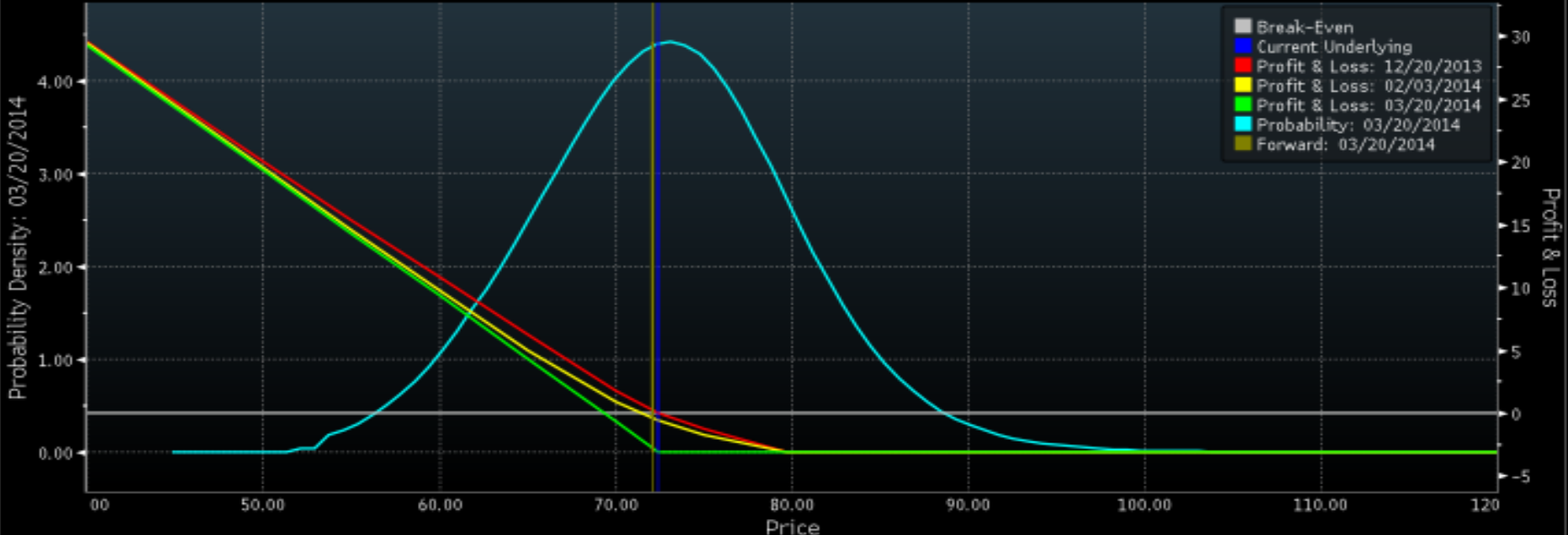
Knockout Leg 1

Style	Knockout	Time to expiry	90	08:15
Barrier type	Continuous	Model	Local Vol	
Exercise	American	Vol	Bloombe	-
Call/Put	Put	Forward	Carry	72.1178
Direction	Buy	USD Rate	MMkt	0.248%
Strike	72.425	Dividend yield	1.968%	
Strike % Money	ATM	Discounted div flow	0.35	
Shares	1.00	Borrow cost	0.000%	
Barrier direction	Up & Out			
Barrier level	79.6675			
Barrier shift	0.00			
Barrier status	Active			
Rebate USD	0.00			
Barrier start date	12/20/2013			
Barrier end date	03/20/2014			
Expiry	03/20/2014			21:15



Graph    Table  
 Y-Axis: Profit & Loss  
 X-Axis: Price  
 Probability   PDF   03/20/2014  
 12/20/2013    02/03/2014    03/20/2014  
 Break-Even

Range: 40 - 120  
 Current Spot: 72.425  
 Underlying: QCOM US Equity



Underlying QCOM US Equity QUALCOMM INC Trade 12/20/2013 13:00  
 Und. Price Mid 72.425 USD Settle 12/20/2013

Results

Price (Total)	0.09	Currency	USD	Vega	0.03	Time value	-
Price (Share)	0.0902	Delta (%)	3.52	Theta	0.00	Gearing	803.30
Price (%)	0.1245	Gamma (%)	1.6550	Rho	0.00	Break-Even (%)	-

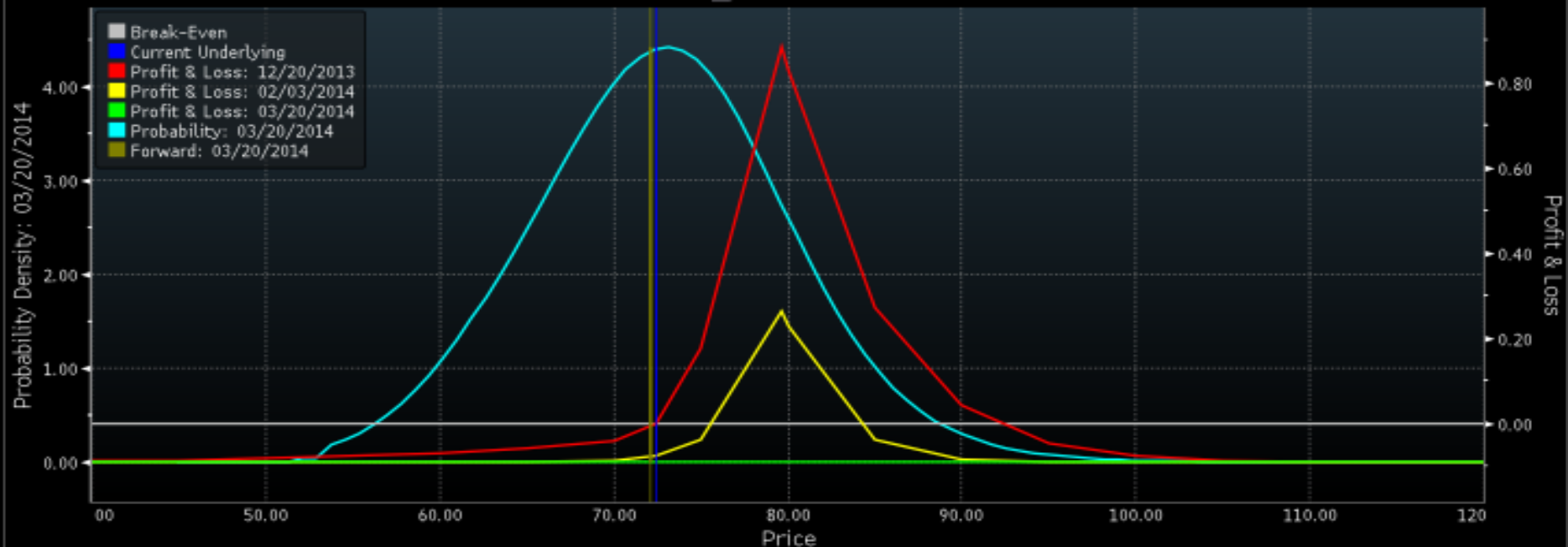
Knockin Leg 1

Style	Knockin	Time to expiry	90	08:15
Barrier type	Continuous	Model	Local Vol	
Exercise	American	Vol	Bloombe	-
Call/Put	Put	Forward	Carry	72.1178
Direction	Buy	USD Rate	MMkt	0.248%
Strike	72.425	Dividend yield	1.968%	
Strike % Money	ATM	Discounted div flow	0.35	
Shares	1.00	Borrow cost	0.000%	
Barrier direction	Up & In			
Barrier level	79.6675			
Barrier shift	0.00			
Barrier status	Active			
Rebate USD	0.00			
Barrier start date	12/20/2013			
Barrier end date	03/20/2014			
Expiry	03/20/2014			21:15

Graph  Table  
 Y-Axis Profit & Loss  
 X-Axis Price  
 Probability PDF 03/20/2014  
 Break-Even

<input checked="" type="checkbox"/>	12/20/2013	
<input checked="" type="checkbox"/>	02/03/2014	
<input checked="" type="checkbox"/>	03/20/2014	

Range 40 - 120  
 Current Spot 72.425  
 Underlying QCOM US Equity



Underlying   QCOM US Equity   QUALCOMM INC   Trade   12/20/2013   13:00  
 Und. Price   Mid   72.425   USD   Settle   12/20/2013

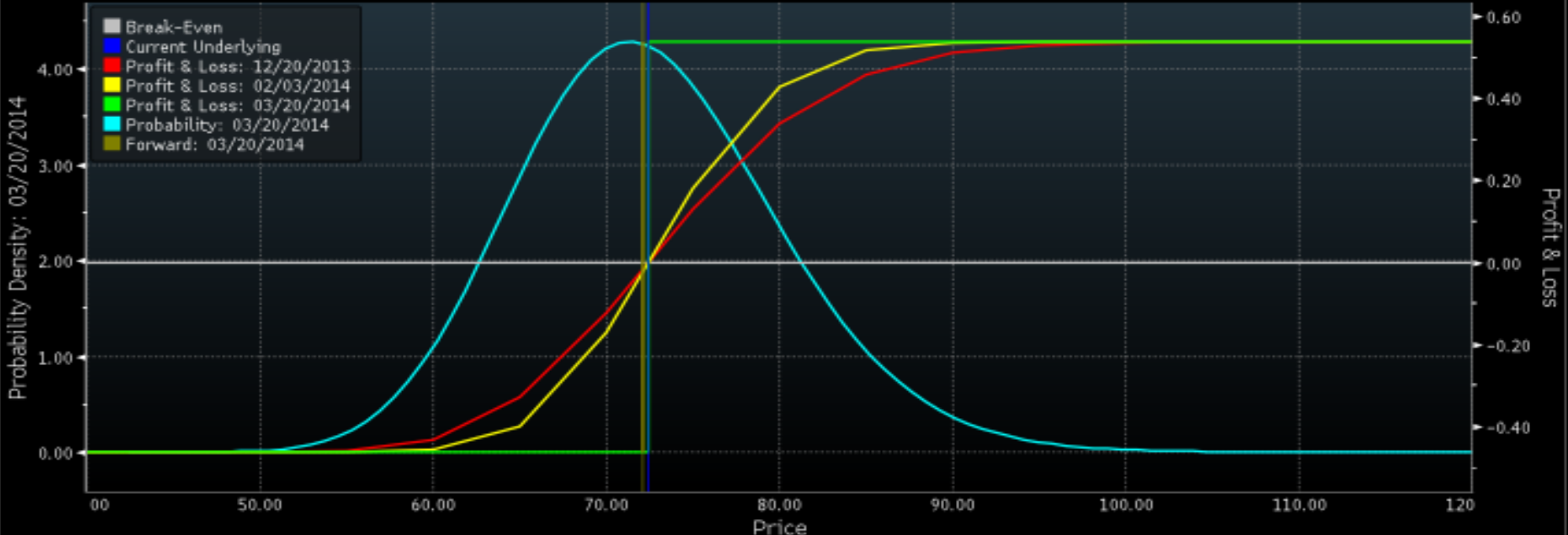
Results

Price (Total)	0.46	Currency	USD	Vega	0.00	Time value	-
Price (Unit)	0.4625	Delta (%)	3.72	Theta	0.00	Gearing	2.16
Price (%)	46.2537	Gamma (%)	-0.0047	Rho	0.00	Break-Even (%)	-

Digital   Leg 1

Style	Digital
Payoff type	Cash
Call/Put	Call
Direction	Buy
Strike	72.425
Strike   % Money	ATM
Payoff   USD	1.00
Expiry	03/20/2014   21:15
Time to expiry	90   08:15
Model	BS - continuous
Vol   Bloomb	Ask   21.470%
Forward   Carry	72.1178
USD Rate   MMkt	0.248%
Dividend yield	1.968%
Discounted div flow	0.35
Borrow cost	0.000%

Graph    Table  
 Y-Axis: Profit & Loss  
 X-Axis: Price  
 Probability   PDF   03/20/2014  
 12/20/2013    02/03/2014    03/20/2014  
 Break-Even  
 Range: 40 - 120  
 Current Spot: 72.425  
 Underlying: QCOM US Equity



Underlying   QCOM US Equity   QUALCOMM INC   Trade   12/20/2013   13:00  
 Und. Price   Mid   72.425   USD   Settle   12/20/2013

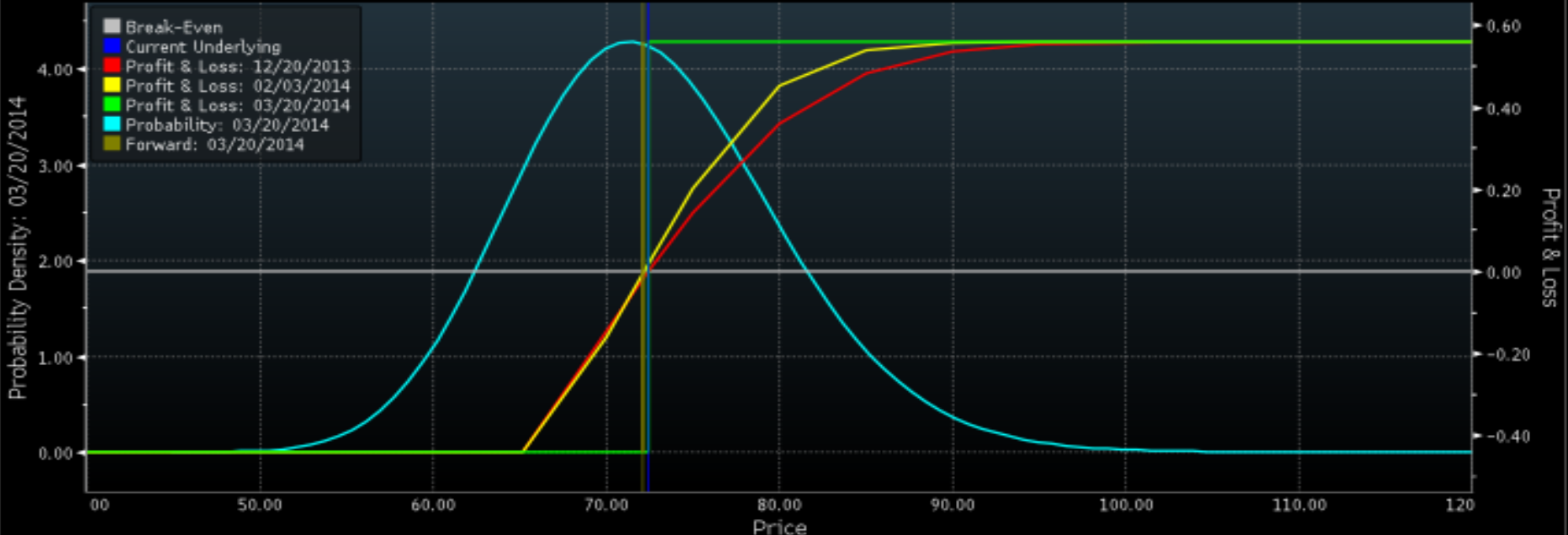
Results

Price (Total)	0.44	Currency	USD	Vega	-0.01	Time value	-
Price (Unit)	0.4402	Delta (%)	4.23	Theta	0.00	Gearing	2.27
Price (%)	44.0248	Gamma (%)	-0.0935	Rho	0.00	Break-Even (%)	-

Dig K0   Leg 1

Style	Dig K0	Time to expiry	90	08:15
Payoff type	Cash	Model	BS - continuous	
Barrier type	Continuous	Vol	Bloombe	Mid   21.267%
Call/Put	Call	Forward	Carry	72.1178
Direction	Buy	USD Rate	MMkt	0.248%
Strike	72.425	Dividend yield		1.968%
Strike   % Money	ATM	Discounted div flow		0.35
Payoff   USD	1.00	Borrow cost		0.000%
Barrier direction	Down & Out			
Barrier level	65.1825			
Barrier shift	0.00			
Barrier status	Active			
Rebate   USD	0.00			
Barrier start date	12/20/2013			
Barrier end date	03/20/2014			
Expiry	03/20/2014			21:15

Graph    Table  
 Y-Axis: Profit & Loss  
 X-Axis: Price  
 Probability   PDF   03/20/2014  
 12/20/2013    02/03/2014    03/20/2014  
 Break-Even  
 Range: 40 - 120  
 Current Spot: 72.425  
 Underlying: QCOM US Equity



1) Asset   2) Actions   3) Products   4) View   5) Data & Setting:   6) Feedback   Option Valuation  
 12) Solver   13) Load   14) Save   16) Trade   17) Ticket   Send to VCON

21) Deal 1   22) +  
 31) Pricing   32) Scenario   33) Matrix   34) Volatility

Underlying   QCOM US Equity   QUALCOMM INC   Trade   12/20/2013   13:00  
 Und. Price   Mid   72.425   USD   Settle   12/20/2013

Results

Price (Total)	0.83	Currency	USD	Vega	0.19	Time value	-
Price (Share)	0.8263	Delta (%)	25.73	Theta	-0.01	Gearing	87.65
Price (%)	1.1409	Gamma (%)	10.9454	Rho	0.00	Break-Even (%)	-

DKI   Leg 1

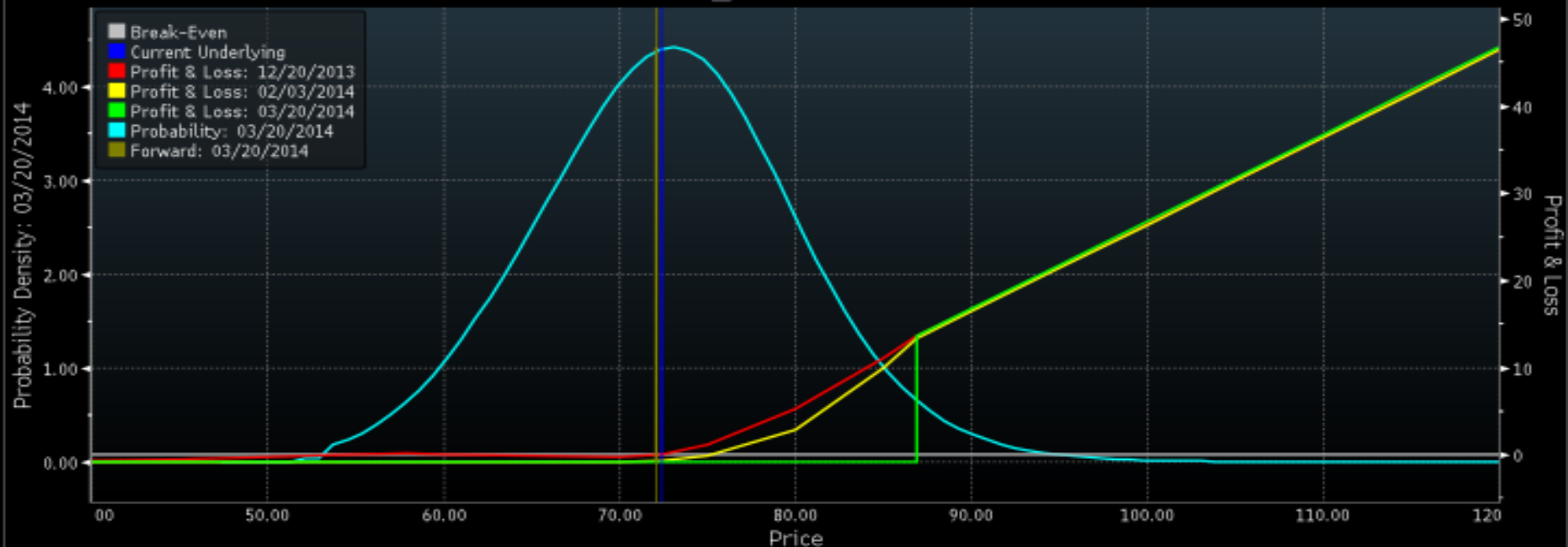
Style	DKI	Expiry	03/20/2014	21:15
Barrier type	Continuous	Time to expiry	90	08:15
Exercise	European	Model	Local Vol	
Call/Put	Call	Vol	Bloombe	-
Direction	Buy	Forward	Carry	72.1178
Strike	72.425	USD Rate	MMkt	0.248%
Strike   % Money	ATM	Dividend yield		1.968%
Shares	1.00	Discounted div flow		0.35
Upper barrier	86.91	Borrow cost		0.000%
Upper barrier shift	0.00			
Lower barrier	57.94			
Lower barrier shift	0.00			
Barrier status	Active			
Rebate   USD	0.00			
Barrier start date	12/20/2013			
Barrier end date	03/20/2014			



1) Asset    2) Actions    3) Products    4) View    5) Data & Setting:    6) Feedback    Option Valuation  
 12) Solver    13) Load    14) Save    16) Trade    17) Ticket    Send to VCON

21) Deal 1    22) +  
 31) Pricing    32) Scenario    33) Matrix    34) Volatility

Graph    Table  
 Y-Axis: Profit & Loss    12/20/2013    Range: 40 - 120  
 X-Axis: Price    02/03/2014    Current Spot: 72.425  
 Probability: PDF    03/20/2014    03/20/2014    Underlying: QCOM US Equity  
 Break-Even



Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2013 Bloomberg Finance L.P.  
 SN 876420 CET GMT+1:00 H261-4135-0 20-Dec-2013 13:06:37

1) Asset   2) Actions   3) Products   4) View   5) Data & Settings   6) Feedback   Option Valuation

Solver (Leg 2 S)   13) Load   14) Save   16) Trade   17) Ticket   Send to VCON

21) Deal 1   22) +

31) Pricing   32) Scenario   33) Matrix   34) Volatility

Underlying   QCOM US Equity   QUALCOMM INC   Trade   12/20/2013   13:06

Und. Price   Mid   72.425   USD   Settle   12/20/2013

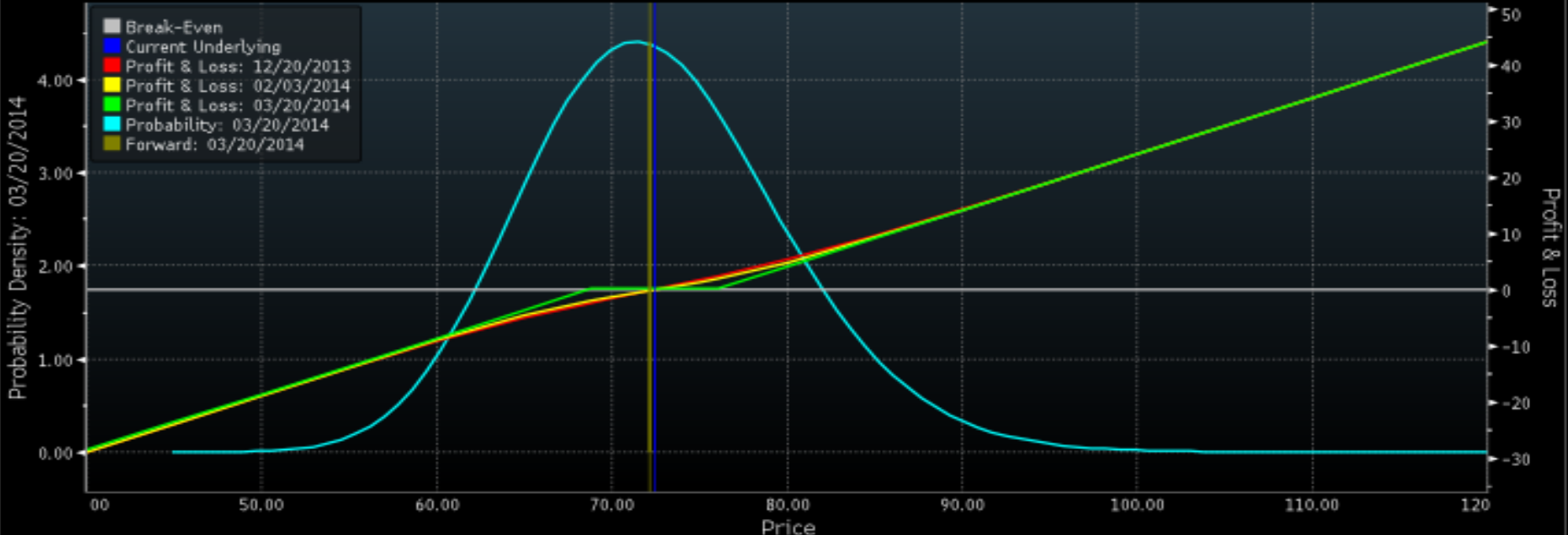
Results

Price (Total)	-0.19	Currency	USD	Vega	0.00	Time value	-0.19
Price (Share)	-0.1886	Delta (%)	64.78	Theta	0.00	Gearing	-
Price (%)	-0.2605	Gamma (%)	0.3441	Rho	0.00	Break-Even (%)	-

Risk Reversal   ...   Leg 1   Leg 2

Style	Vanilla	
Exercise	American	
Call/Put	Call	Put
Direction	Buy	Sell
Strike	76.0463	68.8037
Strike   % Money	5.00% OTM	5.00% OTM
Shares	1.00	1.00
Expiry	03/20/2014   21:15	
Time to expiry	90	08:09
Model	BS - discrete	
Vol   Bloomb	Mid   20.666%	Bid   21.983%
Forward   Carry	72.1178	
USD Rate   MMkt	0.248%	
Dividend yield	1.968%	
Discounted div flow	0.35	
Borrow cost	0.000%	

Graph    Table  
 Y-Axis: Profit & Loss  
 X-Axis: Price  
 Probability   PDF   03/20/2014  
 12/20/2013    02/03/2014    03/20/2014  
 Break-Even  
 Range: 40 - 120  
 Current Spot: 72.425  
 Underlying: QCOM US Equity



1) Asset   2) Actions   3) Products   4) View   5) Data & Setting:   6) Feedback   Option Valuation

Solver (Leg 1 S)   13) Load   14) Save   16) Trade   17) Ticket   18) Send to VCON

21) Deal 1   22) +

31) Pricing   32) Scenario   33) Matrix   34) Volatility

Underlying   QCOM US Equity   QUALCOMM INC   Trade   12/20/2013   13:07

Und. Price   Mid   72.425   USD   Settle   12/20/2013

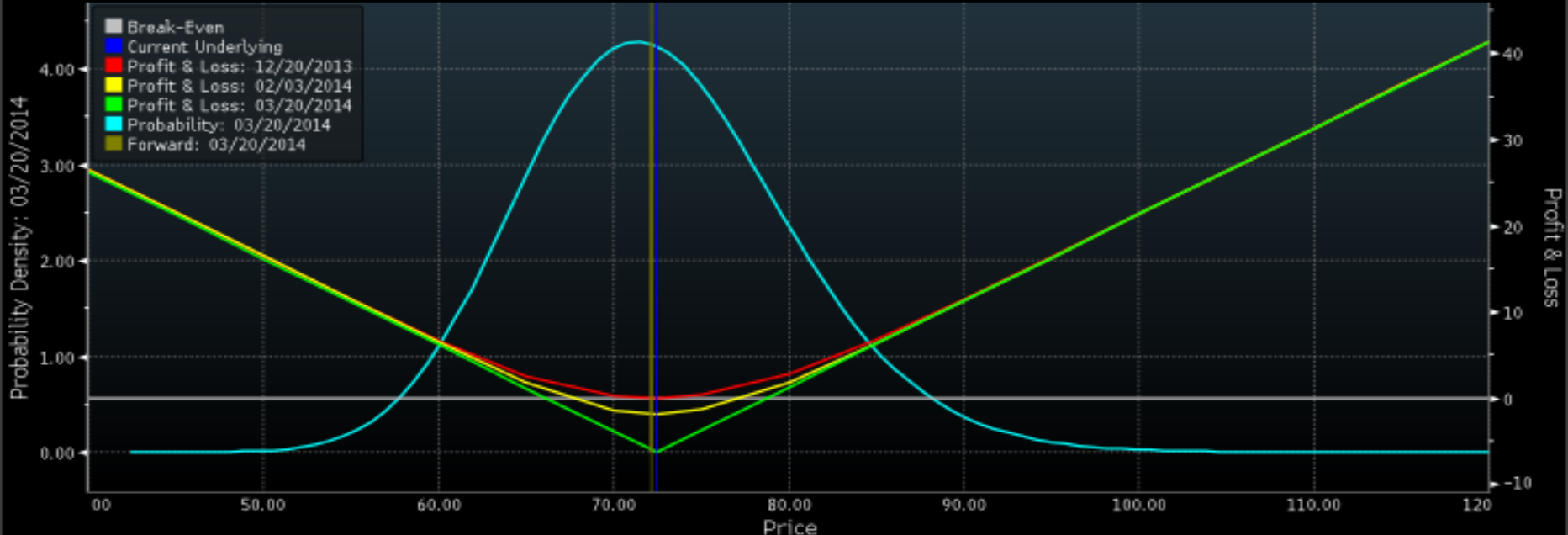
Results

Price (Total)	6.27	Currency	USD	Vega	0.29	Time value	6.27
Price (Share)	6.2680	Delta (%)	2.79	Theta	-0.03	Gearing	-
Price (%)	8.6545	Gamma (%)	7.5633	Rho	0.00	Break-Even (%)	-

Straddle   ...   Leg 1   Leg 2

Style	Vanilla	
Exercise	American	
Call/Put	Call	Put
Direction	Buy	
Strike	72.425	
Strike   % Money	ATM	ATM
Shares	1.00	
Expiry	03/20/2014	21:15
Time to expiry	90	08:08
Model	BS - discrete	
Vol   Bloomb	Ask	21.470%
Forward   Carry	72.1178	
USD Rate   MMkt	0.248%	
Dividend yield	1.968%	
Discounted div flow	0.35	
Borrow cost	0.000%	

Graph    Table  
 Y-Axis: Profit & Loss  
 X-Axis: Price  
 Probability   PDF   03/20/2014  
 12/20/2013    02/03/2014    03/20/2014  
 Break-Even  
 Range: 40 - 120  
 Current Spot: 72.425  
 Underlying: QCOM US Equity



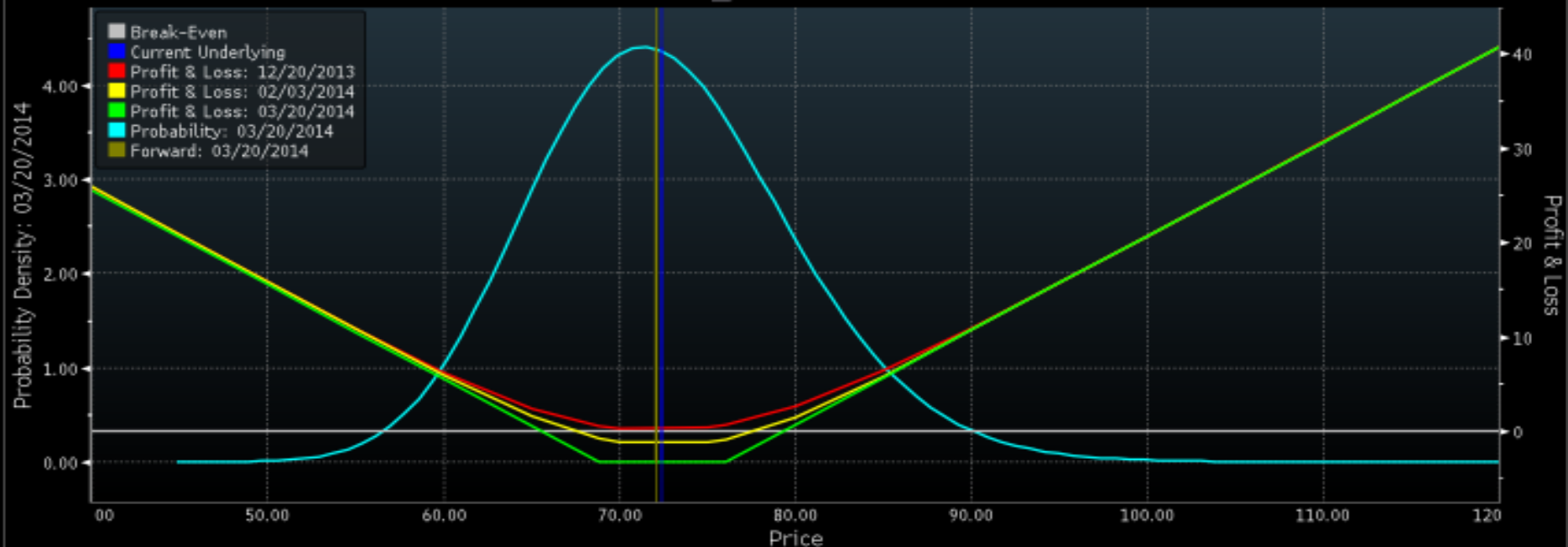
1) Asset 2) Actions 3) Products 4) View 5) Data & Setting: 6) Feedback Option Valuation  
 Solver (Leg 2 S) 13) Load 14) Save 16) Trade 17) Ticket 18) Send to VCON

21) Deal 1 22) +  
 31) Pricing 32) Scenario 33) Matrix 34) Volatility  
 Underlying QCOM US Equity QUALCOMM INC Trade 12/20/2013 13:08  
 Und. Price Mid 72.425 USD Settle 12/20/2013

Results  
 Price (Total) 3.28 Currency USD Vega 0.26 Time value 3.28  
 Price (Share) 3.2763 Delta (%) 1.86 Theta -0.03 Gearing -  
 Price (%) 4.5238 Gamma (%) 6.7976 Rho 0.00 Break-Even (%) -

Strangle		Leg 1	Leg 2
Style	Vanilla		
Exercise	American		
Call/Put	Call	Put	
Direction	Buy		
Strike	76.0463	68.8037	
Strike % Money	5.00% OTM	5.00% OTM	
Shares	1.00		
Expiry	03/20/2014		21:15
Time to expiry	90		08:07
Model	BS - discrete		
Vol	Bloomb Ask 20.797%	Ask 22.259%	
Forward	Carry 72.1178		
USD Rate	MMkt 0.248%		
Dividend yield	1.968%		
Discounted div flow	0.35		
Borrow cost	0.000%		

Graph     Table  
 Y-Axis: Profit & Loss     12/20/2013    Range: 40 - 120  
 X-Axis: Price     02/03/2014    Current Spot: 72.425  
 Probability    PDF    03/20/2014     03/20/2014    Underlying: QCOM US Equity  
 Break-Even



C

1) Asset   2) Actions   3) Products   4) View   5) Data & Setting:   6 Feedback   Option Valuation  
 Solver (Leg 3 S)   13) Load   14) Save   16) Trade   17) Ticket   18) Send to VCON

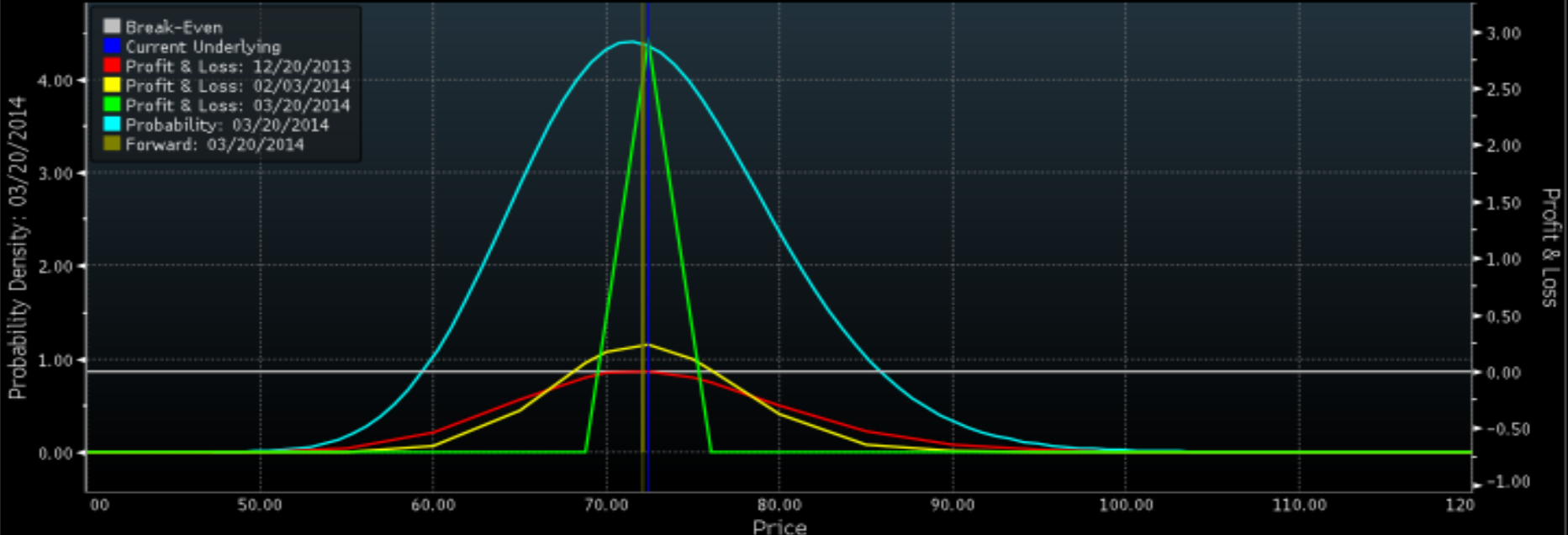
21) Deal 1   22) +  
 31) Pricing   32) Scenario   33) Matrix   34) Volatility  
 Underlying   QCOM US Equity   QUALCOMM INC   Trade   12/20/2013   13:08  
 Und. Price   Mid   72.425   USD   Settle   12/20/2013

Results  
 Price (Total)   -2.91   Currency   USD   Vega   -0.03   Time value   -2.91  
 Price (Share)   -2.9102   Delta (%)   -0.87   Theta   0.00   Gearing   -  
 Price (%)   -4.0183   Gamma (%)   -0.8879   Rho   0.00   Break-Even (%)   -

Butterfly	Leg 1	Leg 2	Leg 3	Leg 4
Style	Vanilla			
Exercise	American			
Call/Put	Call	Put	Call	Put
Direction	Buy		Sell	
Strike	76.0463	68.8037	72.425	
Strike % Money	5.00% OTM	5.00% OTM	ATM	ATM
Shares	1.00		1.00	
Expiry	03/20/2014   21:15			
Time to expiry	90   08:07			
Model	BS - discrete			
Vol	Bloomb Mid 20.666%	Mid 22.121%	Bid 21.064%	
Forward	Carry 72.1178			
USD Rate	MMkt 0.248%			
Dividend yield	1.968%			
Discounted div flow	0.35			
Borrow cost	0.000%			



Graph    Table  
 Y-Axis: Profit & Loss  
 X-Axis: Price  
 Probability   PDF   03/20/2014  
 12/20/2013    02/03/2014    03/20/2014  
 Break-Even  
 Range: 40 - 120  
 Current Spot: 72.425  
 Underlying: QCOM US Equity



1) Asset 2) Actions 3) Products 4) View 5) Data & Setting: 6) Feedback Option Valuation  
 Solver (Leg 4 S) 13) Load 14) Save 16) Trade 17) Ticket 18) Send to VCON

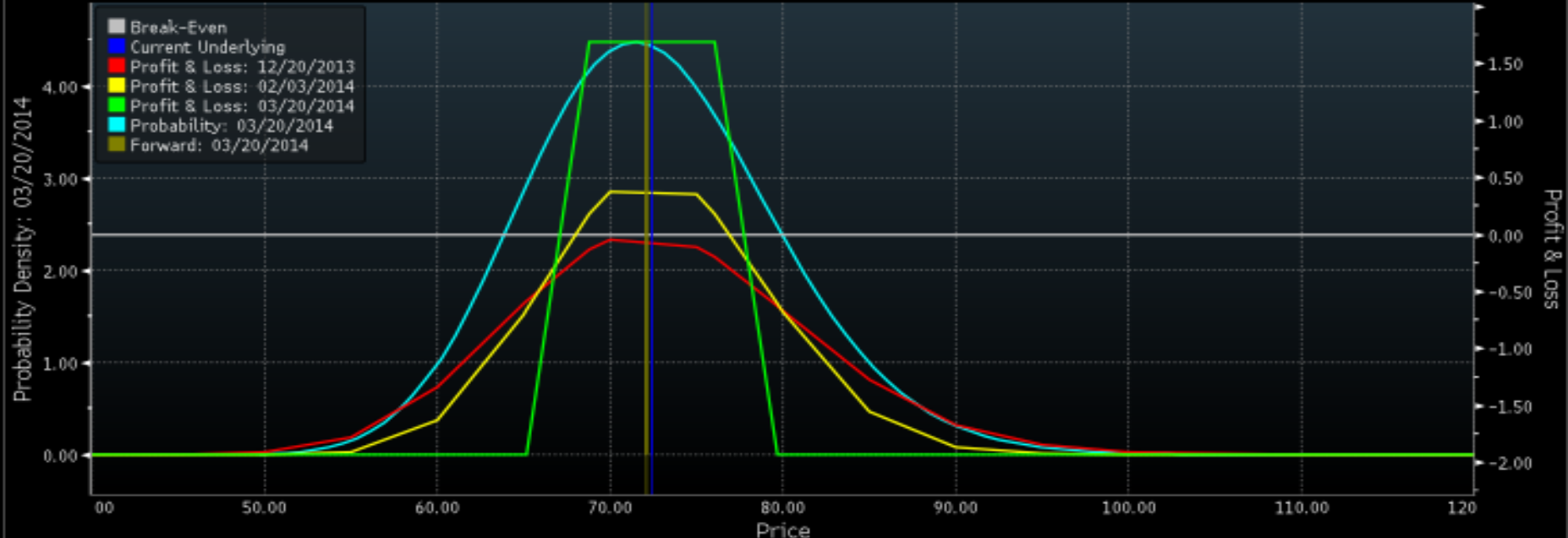
21) Deal 1 22) +  
 31) Pricing 32) Scenario 33) Matrix 34) Volatility  
 Underlying QCOM US Equity QUALCOMM INC Trade 12/20/2013 13:09  
 Und. Price Mid 72.425 USD Settle 12/20/2013

Results  
 Price (Total) -1.69 Currency USD Vega -0.07 Time value -1.69  
 Price (Share) -1.6876 Delta (%) -1.18 Theta 0.01 Gearing -  
 Price (%) -2.3302 Gamma (%) -1.9809 Rho 0.00 Break-Even (%) -


Condor	Leg 1	Leg 2	Leg 3	Leg 4
Style	Vanilla			
Exercise	American			
Call/Put	Call	Put	Call	Put
Direction	Buy		Sell	
Strike	79.6675	65.1825	76.0463	68.8037
Strike % Money	10.00% OTM	10.00% OTM	5.00% OTM	5.00% OTM
Shares	1.00		1.00	
Expiry	03/20/2014 21:15			
Time to expiry	90 08:06			
Model	BS - discrete			
Vol	Bloomb Mid 20.333%	Mid 23.209%	Bid 20.534%	Bid 21.983%
Forward	Carry 72.1178			
USD Rate	MMkt 0.248%			
Dividend yield	1.968%			
Discounted div flow	0.35			
Borrow cost	0.000%			

Graph Table

Y-Axis Profit & Loss 12/20/2013 Range 40 - 120  
 X-Axis Price 02/03/2014 Current Spot 72.425  
 Probability PDF 03/20/2014 03/20/2014 Underlying QCOM US Equity  
 Break-Even



# OMON - Option Monitor

QCOM US \$ **Market**  P69.31 / 72.50P 2x1  
 Prev 72.43 Vol 15

**QCOM US Equity** 95) Templates 96) Actions 97) Expiry Option Monitor: Option Monitor

QUALCOMM INC 72.43 -.75 -1.0249% 69.31 / 72.50 Hi 73.30 Lo 72.13 Volm 15 HV 13.97 91) News (CN)  
 Calc Mode Center 72.43 Strikes 5 Exch US Composite 92) Next Earnings(EM) 01/29/14 C

295) Center Strike 296) Calls/Puts 297) Calls 298) Puts 299) Term Structure

Calls								Strike	Puts							
Ticker	Bid	Ask	Last	IVM	DM	Volm	DI		Ticker	Bid	Ask	Last	IVM	DM	Volm	DI
21 Dec 13 (1d); CSize 100; R .10; IFwd 72.38								5	21 Dec 13 (1d); CSize 100; R .10; IFwd 72.38							
1) QCOM 12/21/13 C71.5	.91y	.99y	.90y	23.87	.83	30	48	71.50	3) QCOM 12/21/13 P71.5	.04y	.06y	.06y	21.50	-.15	37	3
2) QCOM 12/21/13 C72	.52y	.56y	.49y	19.50	.68	106	653	72.00	3) QCOM 12/21/13 P72	.11y	.13y	.21y	18.42	-.31	167	2
3) QCOM 12/21/13 C72.5	.20y	.22y	.18y	16.65	.40	1061	198	72.50	3) QCOM 12/21/13 P72.5	.27y	.30y	.28y	16.34	-.60	812	9
4) QCOM 12/21/13 C73	.05y	.08y	.07y	16.88	.17	187	654	73.00	3) QCOM 12/21/13 P73	.62y	.69y	.91y	17.93	-.83	232	1
5) QCOM 12/21/13 C73.5	.02y	.03y	.03y	20.76	.07	31	150	73.50	4) QCOM 12/21/13 P73.5	1.06y	1.17y	1.16y	17.24	-.96	152	3
18 Jan 14 (29d); CSize 100; R .16; IFwd 72.39								5	18 Jan 14 (29d); CSize 100; R .16; IFwd 72.39							
6) QCOM 1/18/14 C67.5	5.10y	5.25y	5.05y	21.52	.88	121	446	67.50	4) QCOM 1/18/14 P67.5	.25y	.27y	.27y	21.52	-.12	153	1
7) QCOM 1/18/14 C70	2.90y	3.05y	3.00y	19.14	.74	397	388	70.00	4) QCOM 1/18/14 P70	.55y	.59y	.58y	18.32	-.25	4673	1
8) QCOM 1/18/14 C72.5	1.30y	1.35y	1.28y	16.72	.49	794	629	72.50	4) QCOM 1/18/14 P72.5	1.37y	1.41y	1.50y	16.53	-.51	199	8
9) QCOM 1/18/14 C75	.41y	.44y	.41y	16.14	.22	3034	377	75.00	4) QCOM 1/18/14 P75	2.95y	3.10y	3.15y	16.23	-.77	11	6
10) QCOM 1/18/14 C77.5	.10y	.14y	.13y	16.96	.08	8	112	77.50	5) QCOM 1/18/14 P77.5	5.15y	5.30y	5.05y	16.55	-.93	2	
22 Feb 14 (64d); CSize 100; R .22; IFwd 72.41								5	22 Feb 14 (64d); CSize 100; R .22; IFwd 72.41							
11) QCOM 2/22/14 C67.5	5.80y	5.95y	6.00y	23.64	.77	39	339	67.50	4) QCOM 2/22/14 P67.5	.91y	.94y	.95y	23.13	-.22	79	1
12) QCOM 2/22/14 C70	4.00y	4.10y	3.90y	22.33	.66	38	813	70.00	4) QCOM 2/22/14 P70	1.55y	1.59y	1.67y	21.97	-.34	30	1
13) QCOM 2/22/14 C72.5	2.52y	2.57y	2.42y	21.28	.51	103	146	72.50	4) QCOM 2/22/14 P72.5	2.55y	2.60y	2.68y	21.04	-.49	59	2
14) QCOM 2/22/14 C75	1.44y	1.47y	1.42y	20.59	.36	298	418	75.00	4) QCOM 2/22/14 P75	3.95y	4.05y	4.06y	20.25	-.65	500	6
15) QCOM 2/22/14 C77.5	.74y	.77y	.74y	20.16	.22	98	460	77.50	5) QCOM 2/22/14 P77.5	5.75y	5.85y	5.65y	19.91	-.78	12	6
19 Apr 14 (120d); CSize 100; IDiv .26 USD; R .28; IFwd 72.1								5	19 Apr 14 (120d); CSize 100; IDiv .26 USD; R .28; IFwd 72.1							
1) QCOM 4/19/14 C67.5	1.25y	1.50y	1.41y	22.31	.70	16	440	67.50	1) QCOM 4/19/14 P67.5	1.23y	1.30y	1.24y	22.44	-.20	16	4

93) Default color legend Zoom 100%

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# Most Active Options

<HELP> for explanation, <MENU> for similar functions.  
Enter all values and hit <Go>

1) Actions 2) Advanced Search 4) Feedback Most Active Options  
Source Single Security QCOM US Equity As of Today Last Refresh Dec 20 13:15:05

Underlying Summary 5) Hide Summary

QUALCOMM INC	72.43	-0.75	-1.0249%	69.31 / 72.50	Hi 73.30	Lo 72.13	Volm 15	HV 13.97	7) News (CN)
Volume	Today	1d Avg	5d Avg	10d Avg	20d Avg	8) Current		9) Historical	
Call	10,679	12,440	10,570	13,401	34,986				
Put	10,912	16,544	8,404	8,587	15,541				
Total	21,591	28,984	18,974	21,988	50,527				
Open Interest									
Call	562,770	557,428	558,187	555,948	552,536				
Put	394,146	390,653	385,886	382,497	373,499				
Total	956,916	948,081	944,073	938,445	926,035				

Top Options 6) Hide Filters

Option Filters Type:  C  P Incl  Mini / Jumbo % Money - - Volume - -  
Expiry:  Wkly  Mnthly  Qtrly Last Price - - Open Int - -

10 Volume	11) Most Up	12) Most Down	13) Open Int	14) IVol	15) IVol %Chg	16) Notional						
Name	Last	Prc Chg	Prc %Chg	Vol↑	Vol %Chg	OInt	OI %Chg	IVM	IV %Chg	Ntnl	Mny	Delta
21) QCOM 18Jan14 P7	0.580	-0.07	-10.77	4,673	+3387.31	13,897	+21.40	18.517	-6.07	33.85M	96.65	-0.247
22) QCOM 18Jan14 C7	0.410	-0.25	-37.88	3,034	+199.51	37,721	+6.74	16.049	-3.76	21.98M	103.55	0.229
23) QCOM 24Jan14 C7	1.700	N.A.	N.A.	1,126	N.A.	1,125	N.A.	16.978	N.A.	8.16M	99.41	0.557
24) QCOM 21Dec13 C7	0.180	-0.66	-78.57	1,061	-62.75	19,886	-0.55	16.070	+5.86	7.68M	100.10	0.456
25) QCOM 21Dec13 P7	0.280	+0.12	+75.00	812	-82.97	9,767	-2.63	16.436	-14.60	5.88M	100.10	-0.543
26) QCOM 18Jan14 C7	1.280	-0.59	-31.55	794	+103.07	62,965	+0.48	16.602	-4.04	5.75M	100.10	0.503
27) QCOM 22Feb14 P6	0.570	-0.06	-9.52	504	+995.65	756	+63.64	24.571	-2.85	3.65M	89.74	-0.135
28) QCOM 22Feb14 P7	4.060	-0.38	-8.56	500	+2073.91	697	+194.09	20.315	-3.87	3.62M	103.55	-0.645
29) QCOM 18Jan14 P6	0.070	N.A.	N.A.	450	N.A.	13,815	-3.13	33.429	-4.13	3.26M	82.84	-0.021
30) QCOM 24Jan14 C7	1.180	N.A.	N.A.	422	N.A.	402	N.A.	16.573	N.A.	3.06M	100.79	0.451

Zoom 100%

QCOM US \$

Market

P69.31 / 72.50P

2x1

Prev 72.43

Vol 15

QCOM US Equity

95) Templates

96) Actions

97) Expiry

Option Monitor: Option Monitor

QUALCOMM INC 72.43 -0.75 -1.0249% 69.31 / 72.50 Hi 73.30 Lo 72.13 Volm 15 HV 13.97 91) News (CN)

Calc Mode Center 72.43 Strikes 5 Exch US Composite 92) Next Earnings(EM) 01/29/14 C

295) Center Strike 296) Calls/Puts 297) Calls 298) Puts 299) Term Structure

Strike	Ticker	Bid	Ask	Last	IVM	DM	Volm	OInt
21 Dec 13 (1d); CSize 100; R .10; IFwd 72.38								
71.50	1) QCOM 12/21/13 P71.5	.04y	.06y	.06y	21.50	-.15	37	341
72.00	2) QCOM 12/21/13 P72	.11y	.13y	.21y	18.42	-.31	167	2290
72.50	3) QCOM 12/21/13 P72.5	.27y	.30y	.28y	16.34	-.60	812	9767
73.00	4) QCOM 12/21/13 P73	.62y	.69y	.91y	17.93	-.83	232	1877
73.50	5) QCOM 12/21/13 P73.5	1.06y	1.17y	1.16y	17.24	-.96	152	3451
18 Jan 14 (29d); CSize 100; R .16; IFwd 72.39								
67.50	6) QCOM 1/18/14 P67.5	.25y	.27y	.27y	21.52	-.12	153	17300
70.00	7) QCOM 1/18/14 P70	.55y	.59y	.58y	18.32	-.25	4673	13897
72.50	8) QCOM 1/18/14 P72.5	1.37y	1.41y	1.50y	16.53	-.51	199	8317
75.00	9) QCOM 1/18/14 P75	2.95y	3.10y	3.15y	16.23	-.77	11	6443
77.50	10) QCOM 1/18/14 P77.5	5.15y	5.30y	5.05y	16.55	-.93		2860
22 Feb 14 (64d); CSize 100; R .22; IFwd 72.41								
67.50	11) QCOM 2/22/14 P67.5	.91y	.94y	.95y	23.13	-.22	79	1148
70.00	12) QCOM 2/22/14 P70	1.55y	1.59y	1.67y	21.97	-.34	30	1050
72.50	13) QCOM 2/22/14 P72.5	2.55y	2.60y	2.68y	21.04	-.49	59	2404
75.00	14) QCOM 2/22/14 P75	3.95y	4.05y	4.06y	20.25	-.65	500	697
77.50	15) QCOM 2/22/14 P77.5	5.75y	5.85y	5.65y	19.91	-.78	12	68
19 Apr 14 (120d); CSize 100; IDiv .26 USD; R .28; IFwd 72.18								
67.50	16) QCOM 4/19/14 P67.5	1.67y	1.73y	1.64y	22.44	-.28		1335

93) Default color legend

Zoom 100%

# Zvolíme požadovanou opci

QCOM US 01/18/14 C67.5 \$ C 5.05 -.63 X5.10 / 5.25X 857x116 Prev 5.68  
 On 19 Dec d OpInt 44,575 Vol 121 0 5.300 H 5.31X L 5.00Q

QCOM US Equity 95) Templates 96) Actions 97) Expiry Option Monitor: Option Monitor  
 QUALCOMM INC 72.43 -.75 -1.0249% 69.31 / 72.50 Hi 73.30 Lo 72.13 Volm 15 HV 13.97 91) News (CN)  
 Calc Mode Center 72.43 Strikes 5 Exch US Composite 92) Next Earnings(EM) 01/29/14 C

295) Center Strike 296) Calls/Puts 297) Calls 298) Puts 299) Term Structure

Strike	Ticker	Bid	Ask	Last	IVM	DM	Volm	OInt
21 Dec 13 (1d); CSize 100; R .10; IFwd 72.38								
71.50	1) QCOM 12/21/13 C71.5	.91y	.99y	.90y	23.87	.83	30	48
72.00	2) QCOM 12/21/13 C72	.52y	.56y	.49y	19.50	.68	106	653
72.50	3) QCOM 12/21/13 C72.5	.20y	.22y	.18y	16.65	.40	1061	19886
73.00	4) QCOM 12/21/13 C73	.05y	.08y	.07y	16.88	.17	187	654
73.50	5) QCOM 12/21/13 C73.5	.02y	.03y	.03y	20.76	.07	31	1504
18 Jan 14 (29d); CSize 100; R .16; IFwd 72.39								
67.50	6) QCOM 1/18/14 C67.5	5.10y	5.25y	5.05y	21.52	.88	121	44674
70.00	7) QCOM 1/18/14 C70	2.90y	3.05y	3.00y	19.14	.74	397	38811
72.50	8) QCOM 1/18/14 C72.5	1.30y	1.35y	1.28y	16.72	.49	794	62965
75.00	9) QCOM 1/18/14 C75	.41y	.44y	.41y	16.14	.22	3034	37721
77.50	10) QCOM 1/18/14 C77.5	.10y	.14y	.13y	16.96	.08	8	11267
22 Feb 14 (64d); CSize 100; R .22; IFwd 72.41								
67.50	11) QCOM 2/22/14 C67.5	5.80y	5.95y	6.00y	23.64	.77	39	339
70.00	12) QCOM 2/22/14 C70	4.00y	4.10y	3.90y	22.33	.66	38	813
72.50	13) QCOM 2/22/14 C72.5	2.52y	2.57y	2.42y	21.28	.51	103	1464
75.00	14) QCOM 2/22/14 C75	1.44y	1.47y	1.42y	20.59	.36	298	4183
77.50	15) QCOM 2/22/14 C77.5	.74y	.77y	.74y	20.16	.22	98	4605
19 Apr 14 (120d); CSize 100; IDiv .26 USD; R .28; IFwd 72.18								
67.50	16) QCOM 4/19/14 C67.5	6.35y	6.50y	6.41y	22.31	.73	16	4495

93) Default color legend Zoom 100%

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# Popis zvolené opce

DES

QCOM US 01/18/14 C67.5 Equity

Equity Option Description

**Underlying** QUALCOMM Inc  
**Contract Information**  
**Ticker** QCOM US 01/18/14 C67.5  
**Bid/Ask** 5.10 / 5.25  
**Last** 5.05  
**Strike** 67.5  
**Expiration** 18-Jan-2014  
**Exercise** American  
**Cycle** JAN  
**Csize/Multiplier** 100 / 100

1) **Desc (DES)** Ticker QCOM US Equity Price 72.43

2) Option Chain (OMON)

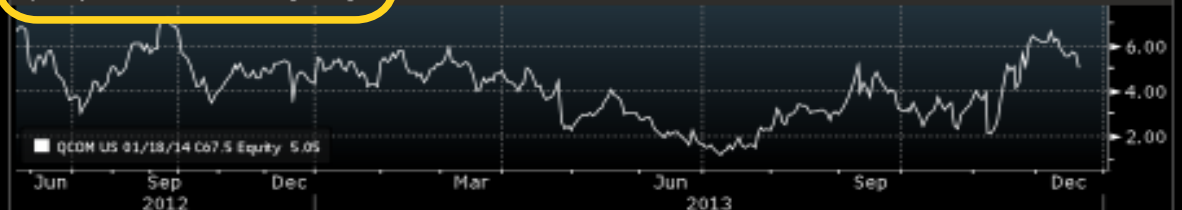
Ticker	Exp Date	DExp	Csize	Multiplier	Periodicity
1. QCOM	21-Dec-2013	1	100	100	Monthly
2. QCOM	27-Dec-2013	7	100	100	Weekly
3. QCOM	03-Jan-2014	14	100	100	Weekly
4. QCOM	10-Jan-2014	21	100	100	Weekly
5. QCOM	18-Jan-2014	29	100	100	Monthly
6. QCOM	24-Jan-2014	35	100	100	Weekly
7. QCOM	22-Feb-2014	64	100	100	Monthly

**Exchange Data**  
**Exch** UA UO UX UL UP UB UQ UF UE  
 UT UM UI  
**Hours** 9:30 - 16:00  
**In** New York  
**Tick Size** .05 .10  
**Tick Val** \$ 5.00 \$ 10.00  
**Pos Limit** 25000000 shares

3) Volatility Analysis (GIV)

30D	13.975	IVol	21.517	Vega	0.040
60D	17.105	Delta	0.880	Theta	-0.015
90D	16.913	Gamma	0.033	Rho	0.000

4) Option Price (GP)



**Volume** 121 **Open Interest** 44674

5) General Notes: No Notes Available

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# GP



QCOM US 01/18/14 C67.5 \$ C 5.05 -.63 X5.10 /5.25X 857x116 Prev 5.68

On 19 Dec d OpInt 44,575 Vol 121 0 5.300 H 5.31X L 5.00Q

QCOM US 01/18/14 95 Save As 96 Actions 97 Edit 98 Table Volume USD

12/20/2012 - 12/20/2013 Last Price 5.05 -11.09% y

QUALCOMM Inc 1D 3D 1M 6M YTD 1Y 5Y Max Daily Security/Study Event



2 | Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
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# Bloomberg API

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WAPI

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1. The following software download packages contain the latest v3 API libraries for each available language interface and/or Bloomberg product, as well as examples and function reference documentation.
2. **Windows Users** - Please download the .zip file from the "Windows" Download Area associated with your Bloomberg product and extract its files to the "C:\blp\" folder on your hard drive. Make sure to retain the folder structure.
3. **Solaris/Linux Users** - Please extract all of the files from the applicable .tar.gz file under the respective "Solaris" or "Linux" Download Area to your machine, making sure that you retain the folder structure.

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**Step 1:** Select your operating system by clicking on the appropriate tab.

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**Step 3:** Expand the "Package Details" area for additional SDK information.

**Step 4:** Read the "Documentation" associated with your Bloomberg API product.

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<a href="#">Download</a>	Java	B-Pipe, Platform, Server API	<a href="#">View Details</a>	1-30-2013	<a href="#">View Notes</a>
<a href="#">Download</a>	Perl	B-Pipe, Platform, Server API	<a href="#">View Details</a>	12-18-2012	<a href="#">View Notes</a>
<a href="#">Download</a>	Python	B-Pipe, Platform, Server API	<a href="#">View Details</a>	11-15-2012	n/a

Package Details: [click to display/hide]

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# Bloomberg Java API v Matlabu

```
javaaddpath ('C:\Users\bloomberg\Desktop\bldir\blpapi3.jar')
```

```
javaclasspath ('-dynamic')
```

```
conn = blp
```

```
conn_prop = get (conn)
```

```
data = timeseries (...)
```

```
[data, security] = history (...)
```

```
...
```

```
close (conn)
```