

## The Morning Email: STIRS

### Table of Contents

- Pg 1 EURIBOR
- Pg 2 SHORT STERLING
- Pg 3 LONG GILT FUTURES
- Pg 4 Money Rates
- Pg 5 Contract Specs

Want something added? Let me know: [jgoulding@ghco.com](mailto:jgoulding@ghco.com)

**Disclaimer:** All information within this newsletter is meant for internal use at GH Trader's LLC, only. All information has been recorded to the best of my ability. This material is based upon information that I consider reliable, but I do not represent that it is accurate or complete.

Symbol	Bid	Ask	Last Quote	Last Trade	Hi	Low	Net Chng	Open	Exp Date	Yest. Volume	Today's Volume	Contract Month
<b>f.qeau08</b>	<b>95.030</b>	<b>95.035</b>	<b>95.030</b>	<b>95.035</b>	<b>95.040</b>	<b>95.030</b>	<b>(1.000)</b>	<b>95.035</b>	<b>9/15/2008</b>	<b>41,730</b>	<b>92,851</b>	<b>SEP</b>
f.qeav08	94.905	94.915	94.915	94.910	94.930	94.910	(2.000)	94.930	10/13/2008	2,193	3,433	OCT
f.qeav08	94.900	94.920	94.900	94.910	94.910	94.910	(4.000)	94.910	11/17/2008	0	200	NOV
<b>f.qeaz08</b>	<b>94.915</b>	<b>94.920</b>	<b>94.920</b>	<b>94.915</b>	<b>94.940</b>	<b>94.905</b>	<b>(2.000)</b>	<b>94.940</b>	<b>12/15/2008</b>	<b>114,824</b>	<b>109,331</b>	<b>DEC</b>
f.qeaf09	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	1/19/2009	0	0	JAN
<b>f.qeah09</b>	<b>95.225</b>	<b>95.230</b>	<b>95.230</b>	<b>95.230</b>	<b>95.260</b>	<b>95.210</b>	<b>(1.500)</b>	<b>95.245</b>	<b>3/16/2009</b>	<b>145,897</b>	<b>77,557</b>	<b>MAR</b>
<b>f.qeam09</b>	<b>95.490</b>	<b>95.500</b>	<b>95.490</b>	<b>95.495</b>	<b>95.515</b>	<b>95.465</b>	<b>1.000</b>	<b>95.480</b>	<b>6/15/2009</b>	<b>162,001</b>	<b>72,729</b>	<b>JUN</b>
f.qeau09	95.695	95.700	95.700	95.700	95.710	95.655	3.500	95.665	9/14/2009	124,848	45,378	SEP
f.qeaz09	95.745	95.750	95.750	95.750	95.765	95.705	4.000	95.715	12/14/2009	88,145	36,067	DEC
f.qeah10	95.885	95.890	95.890	95.895	95.905	95.840	4.500	95.865	3/15/2010	74,082	24,209	MAR
f.qeam10	95.895	95.900	95.895	95.895	95.910	95.855	4.500	95.875	6/14/2010	36,044	20,779	JUN
f.qeau10	95.860	95.865	95.865	95.865	95.875	95.830	4.000	95.850	9/13/2010	9,528	4,728	SEP
f.qeaz10	95.760	95.765	95.765	95.765	95.775	95.740	3.500	95.760	12/13/2010	5,468	3,473	DEC
f.qeah11	95.770	95.775	95.775	95.780	95.790	95.765	2.500	95.780	3/14/2011	4,496	2,753	MAR
f.qeam11	95.745	95.750	95.750	95.755	95.765	95.745	2.000	95.760	6/13/2011	4,141	2,526	JUN
f.qeau11	95.725	95.750	95.750	95.705	#VALUE!	#VALUE!	4.000	#VALUE!	9/19/2011	100	0	SEP
f.qeaz11	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	12/19/2011	0	0	DEC
f.qeah12	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	3/19/2012	0	0	MAR
f.qeam12	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	6/18/2012	0	0	JUN
f.qeau12	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	9/17/2012	0	0	SEP
f.qeaz12	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	12/17/2012	0	0	DEC
f.qeah13	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	3/18/2013	0	0	MAR
f.qeaM13	95.640	95.695	95.640	#VALUE!	#VALUE!	#VALUE!	(8.000)	#VALUE!	6/17/2013	0	0	JUN

**The trading hours of the EURIBOR Futures Contract are:**

London: 01:00 to 21:00 Hrs

Paris: 02:00 to 22:00 Hrs

Frankfurt: 02:00 to 22:00 Hrs

Singapore: 08:00 to 04:00 Hrs

Hong Kong: 08:00 to 04:00 Hrs

Tokyo: 09:00 to 05:00 Hrs

Sydney: 10:00 to 06:00 Hrs

Chicago: 19:00 to 15:00 Hrs

New York: 20:00 to 16:00 Hrs

**Notes:**

Contracts that make up the white pack have bolded symbols. The non-bolded 'white' contracts are serial contracts.

Pack and Bundle quotes are free & live via: <http://www.liffepacksandbundles.com/>

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Symbol	Bid	Ask	Last Quote	Last Trade	Hi	Low	Net Chng	Open	Exp Date	Yest. Volume	Today's Volume	Contract Month
<b>F.QSAU08</b>	<b>94.310</b>	<b>94.315</b>	<b>94.310</b>	<b>94.310</b>	<b>94.320</b>	<b>94.295</b>	<b>1.000</b>	<b>94.300</b>	<b>9/17/2008</b>	<b>31,537</b>	<b>14,153</b>	<b>SEP</b>
F.QSAV08	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	10/15/2008	0	0	OCT
F.QSAX08	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	11/19/2008	0	0	NOV
<b>F.QSAZ08</b>	<b>94.395</b>	<b>94.400</b>	<b>94.400</b>	<b>94.400</b>	<b>94.415</b>	<b>94.355</b>	<b>1.000</b>	<b>94.385</b>	<b>12/17/2008</b>	<b>34,399</b>	<b>37,183</b>	<b>DEC</b>
<b>F.QSAH09</b>	<b>94.920</b>	<b>94.925</b>	<b>94.920</b>	<b>94.920</b>	<b>94.930</b>	<b>94.885</b>	<b>1.500</b>	<b>94.895</b>	<b>3/18/2009</b>	<b>36,217</b>	<b>42,308</b>	<b>MAR</b>
<b>F.QSAM09</b>	<b>95.140</b>	<b>95.145</b>	<b>95.145</b>	<b>95.145</b>	<b>95.155</b>	<b>95.100</b>	<b>3.500</b>	<b>95.100</b>	<b>6/17/2009</b>	<b>40,521</b>	<b>29,552</b>	<b>JUN</b>
F.QSAU09	95.245	95.250	95.245	95.245	95.255	95.185	5.500	95.190	9/16/2009	47,356	26,570	SEP
F.QSAZ09	95.170	95.175	95.170	95.170	1046.925	95.110	6.000	95.115	12/16/2009	29,399	32,867	DEC
F.QSAH10	95.175	95.180	95.180	95.180	95.185	95.110	6.000	95.110	3/17/2010	15,587	20,489	MAR
F.QSAM10	95.080	95.090	95.080	95.085	95.095	95.045	4.500	95.060	6/16/2010	6,064	3,290	JUN
F.QSAU10	95.000	95.010	95.000	95.005	95.010	94.980	4.000	94.985	9/15/2010	1,584	592	SEP
F.QSAZ10	94.895	94.920	94.895	94.880	94.895	94.880	3.500	94.895	12/15/2010	428	26	DEC
F.QSAH11	94.890	94.920	94.920	94.890	94.905	94.890	5.500	94.905	3/16/2011	348	31	MAR
F.QSAM11	94.870	94.920	94.920	94.855	#VALUE!	#VALUE!	6.500	#VALUE!	6/15/2011	52	0	JUN
F.QSAU11	94.845	94.930	94.930	94.835	#VALUE!	#VALUE!	8.000	#VALUE!	9/21/2011	15	0	SEP
F.QSAZ11	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	12/21/2011	0	0	DEC
F.QSAH12	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	3/21/2012	0	0	MAR
F.QSAM12	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	6/20/2012	0	0	JUN
F.QSAU12	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	9/19/2012	0	0	SEP
F.QSAZ12	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	12/19/2012	0	0	DEC
F.QSAH13	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	3/20/2013	0	0	MAR
F.QSAM13	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	6/19/2013	0	0	JUN

**Notes:**

Contracts that make up the white pack have bolded.symbols. The non-bolded 'white' contracts are serial contracts.

Pack and Bundle quotes are free & live via: <http://www.liffepacksandbundles.com/>

**The following applies to the EURIBOR and SHORT STERLING:**

White pack = first, 4 quarterly contracts (the bolded ones, above)

Red pack = second, 4 quarterly contracts

Green pack = third, 4 quarterly contracts

Blue pack = fourth, 4 quarterly contracts

Gold pack = fifth, 4 quarterly contracts

**2yr Bundle = White pack + Red Pack**

**3yr Bundle = White pack + Red Pack + Green Pack**

**4yr Bundle = White pack + Red Pack + Green Pack + Blue Pack**

**5yr Bundle = White pack + Red Pack + Green Pack + Blue Pack + Gold Pack**

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Symbol	Bid	Ask	Last Quote	Last Trade	Hi	Low	Net Chng	Open	Exp Date	Yest. Volume	Today's Volume	Contract Month
F.QGAU08	10971	10980	10980	10976	10979	10965	17	10972	9/26/2008	741	1,091	SEP
F.QGAZ09	11211	11212	11212	11212	11221	11195	16	11201	12/29/2008	104,370	20,190	DEC

## TRADING CALENDAR: BOND DERIVATIVES

Liffe Market: London

### Long Gilt

	Futures			Options
Time*	11.00			10.00
Delivery/Expiry Month	Last trading day	First notice day	Last notice day	Last trading day/ Expiry day
<b>2008</b>				
January				20 <sup>th</sup> Dec
February				24 <sup>th</sup> Jan
March	27 <sup>th</sup> Mar	28 <sup>th</sup> Feb	28 <sup>th</sup> Mar	22 <sup>nd</sup> Feb
April				22 <sup>nd</sup> Mar
May				23 <sup>rd</sup> Apr
June	26 <sup>th</sup> Jun	29 <sup>th</sup> May	27 <sup>th</sup> Jun	22 <sup>nd</sup> May
July				23 <sup>rd</sup> Jun
August				24 <sup>th</sup> Jul
September	26 <sup>th</sup> Sep	28 <sup>th</sup> Aug	29 <sup>th</sup> Sep	21 <sup>st</sup> Aug
October				23 <sup>rd</sup> Sep
November				24 <sup>th</sup> Oct
December	29 <sup>th</sup> Dec	27 <sup>th</sup> Nov	30 <sup>th</sup> Dec	21 <sup>st</sup> Nov

<b>USD LIBOR</b>	<b>Last Quote</b>	<b>Last Trade</b>	<b>Hi</b>	<b>Low</b>	<b>Net Chng</b>	<b>Open</b>		
USDLIBON	2.13875	2.13875	2.13875	2.13000	0.00875	2.13000		
USDLIB1M	2.48750	2.48750	2.48750	2.48688	0.00062	2.48688		
USDLIB3M	2.81875	2.81875	2.81875	2.81875	0.00000	2.81875		
USDLIB6M	3.08438	3.08438	3.08750	3.08438	(0.00312)	3.08750		
USDLIB1Y	3.13063	3.13063	3.14375	3.13063	(0.01312)	3.14375		
<b>GBP LIBOR</b>	<b>Last Quote</b>	<b>Last Trade</b>	<b>Hi</b>	<b>Low</b>	<b>Net Chng</b>	<b>Open</b>		
GBPLIBON	5.04875	5.04875	5.05125	5.04875	(0.00250)	5.05125		
GBPLIB1M	5.35563	5.35563	5.35688	5.35563	(0.00125)	5.35688		
GBPLIB3M	5.70750	5.70750	5.71688	5.70750	(0.00938)	5.71688		
GBPLIB6M	5.85000	5.85000	5.85500	5.85000	(0.00500)	5.85500		
GBPLIB1Y	5.95250	5.95250	5.95750	5.95250	(0.00500)	5.95750		
<b>EURIBOR DEPOSITS</b>	<b>Last Quote</b>	<b>Last Trade</b>	<b>Hi</b>	<b>Low</b>	<b>Net Chng</b>	<b>Open</b>		
EURLIBON	4.3000	4.3000	4.3038	4.3000	(0.0037)	4.3038		
EUIBOR1M	4.5150	4.5150	4.5150	4.5150	0.0000	4.5150		
EUIBOR3M	4.9580	4.9580	4.9590	4.9580	(0.0010)	4.9590		
EUIBOR6M	5.1790	5.1790	5.1790	5.1750	0.0040	5.1750		
EUIBOR1Y	5.3370	5.3370	5.3370	5.3360	0.0010	5.3360		
<b>CURRENCIES</b>	<b>Bid</b>	<b>Ask</b>	<b>Last Quote</b>	<b>Last Trade</b>	<b>Hi</b>	<b>Low</b>	<b>Net Chng</b>	<b>Open</b>
GBPUSD	1.75	1.7505	1.7505	1.7505	1.7544	1.7443	(0.0026)	1.7527
GBPEUR	1.2555	1.2562	1.2562	1.2562	1.2594	1.25	0.0036	1.2516
GBPJPY	1.8695	1.8701	1.8701	1.8701	1.8911	1.8642	(0.0182)	1.8873
EURGBP	0.7963	0.7964	0.7964	0.7964	0.8003	0.794	(0.0024)	0.7984

**Three Month Sterling (Short Sterling) Interest Rate Futures**

<b>Unit of trading</b>	£500,000
<b>Delivery months</b>	March, June, September, December, and two serial months, such that 23 delivery months are available for trading, with the nearest three delivery months
<b>Quotation</b>	100.00 minus rate of interest
<b>Minimum price movement</b>	0.01 (£12.50)
<b>Last trading day</b>	11:00 - Third Wednesday of the delivery month.
<b>Delivery day</b>	First business day after the Last Trading Day.
<b>Trading hours</b>	07:30 - 18:00 [London time]
<b>Trading Platform:</b>	LIFFE CONNECT® Trading Host for Futures and Options. <b>Algorithm:</b> Central order book applies a pro-rata algorithm, but with priority given to the first order at
<b>Contract Standard:</b>	Cash settlement based on the Exchange Delivery Settlement Price.

**Euribor**

<b>Unit of trading</b>	£1,000,000
<b>Delivery months</b>	March, June, September,
<b>Quotation</b>	100.00 minus
<b>Minimum price movement</b>	0.005 (€12.50)
<b>Last trading day</b>	10:00 - Two business days
<b>Delivery day</b>	First business day after the
<b>Trading hours</b>	01:00 – 21:00 [London time]
<b>Trading Platform:</b>	LIFFE CONNECT®
<b>Contract Standard:</b>	Cash settlement

**Long Gilt Futures**

<b>Unit of trading</b>	£100,000 nominal value notional Gilt with 6% coupon
<b>Delivery months</b>	March, June, September, December, such that the nearest three delivery months are available for trading.
<b>Quotation</b>	Per £100 nominal
<b>Minimum price movement</b>	0.01 (£10)
<b>Last trading day</b>	11:00 - Third Wednesday of the delivery month.
<b>Delivery day</b>	Any business day in delivery month (at seller's choice)
<b>Trading hours</b>	08:00 - 18:00 [London time]
<b>Trading Platform:</b>	LIFFE CONNECT® Trading Host for Futures and Options. <b>Algorithm:</b> Central order book applies price/time priority trading algorithm. Wholesale <b>Services:</b> Asset Allocation, Block Trading, Basis Trading
<b>Contract Standard:</b>	See euronext.com