

## The Morning Email: STIRS

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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.qeah08</b>	<b>95.595</b>	<b>95.600</b>	<b>95.595</b>	<b>95.600</b>	<b>95.610</b>	<b>95.595</b>	<b>(1.500)</b>	<b>95.605</b>	<b>3/17/2008</b>	<b>133,242</b>	<b>58,807</b>	<b>MAR</b>
f.qeak08	#VALUE!	#VALUE!	95.710	95.735	#VALUE!	#VALUE!	(0.025)	#VALUE!	4/14/2008	1,389	0	APR
f.qeaj08	95.700	95.710	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	5/19/2008	0	0	MAY
<b>f.qeam08</b>	<b>95.900</b>	<b>95.905</b>	<b>95.905</b>	<b>95.900</b>	<b>95.915</b>	<b>95.870</b>	<b>1.000</b>	<b>95.905</b>	<b>6/16/2008</b>	<b>157,991</b>	<b>85,243</b>	<b>JUN</b>
<b>f.qeau08</b>	<b>96.255</b>	<b>96.260</b>	<b>96.260</b>	<b>96.255</b>	<b>96.265</b>	<b>96.200</b>	<b>3.500</b>	<b>96.230</b>	<b>9/15/2008</b>	<b>159,088</b>	<b>65,297</b>	<b>SEP</b>
<b>f.qeaz08</b>	<b>96.480</b>	<b>96.485</b>	<b>96.485</b>	<b>96.480</b>	<b>96.490</b>	<b>96.410</b>	<b>5.000</b>	<b>96.445</b>	<b>12/15/2008</b>	<b>159,410</b>	<b>77,385</b>	<b>DEC</b>
f.qeah09	96.640	96.645	96.640	96.640	96.655	96.565	4.500	96.605	3/16/2009	107,224	59,670	MAR
f.qeam09	96.685	96.690	96.690	96.685	96.695	96.610	5.500	96.625	6/15/2009	85,721	42,582	JUN
f.qeau09	96.640	96.645	96.645	96.640	96.650	96.570	5.500	96.580	9/14/2009	69,472	39,094	SEP
f.qeaz09	96.540	96.545	96.545	96.540	96.555	96.470	5.500	96.495	12/14/2009	57,512	40,273	DEC
f.qeah10	96.450	96.455	96.455	96.450	96.465	96.385	4.500	96.415	3/15/2010	19,129	19,081	MAR
f.qeam10	96.355	96.360	96.355	96.365	96.375	96.300	3.000	96.330	6/14/2010	9,426	6,119	JUN
f.qeau10	96.270	96.280	96.270	96.285	96.290	96.240	2.000	96.250	9/13/2010	6,385	2,865	SEP
f.qeaz10	96.190	96.200	96.190	96.200	96.210	96.160	2.000	96.175	12/13/2010	5,129	3,433	DEC
f.qeah11	96.155	96.165	96.165	96.140	96.150	96.135	4.000	96.135	3/14/2011	1,966	536	MAR
f.qeam11	95.800	#VALUE!	95.800	96.055	#VALUE!	#VALUE!	(27.500)	#VALUE!	6/13/2011	9	0	JUN
f.qeau11	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	9/19/2011	0	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

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

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

London: 01:00 to 21:00 Hrs	Singapore: 08:00 to 04:00 Hrs	Chicago: 19:00 to 15:00 Hrs
Paris: 02:00 to 22:00 Hrs	Hong Kong: 08:00 to 04:00 Hrs	New York: 20:00 to 16:00 Hrs
Frankfurt: 02:00 to 22:00 Hrs	Tokyo: 09:00 to 05:00 Hrs	
	Sydney: 10:00 to 06:00 Hrs	

**Notes:**

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

Symbol	Bid	Ask	Last Quote	Last Trade	Hi	Low	Net Chng	Open	Exp Date	Yest.Volume	Today's Volume	Contract Month
<b>F.QSAH08</b>	<b>94.230</b>	<b>94.240</b>	<b>94.230</b>	<b>94.230</b>	<b>94.240</b>	<b>94.210</b>	<b>(1.000)</b>	<b>94.230</b>	<b>3/19/2008</b>	<b>45,421</b>	<b>29,843</b>	<b>MAR</b>
F.QSAJ08	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	4/16/2008	0	0	APR
F.QSAK08	#VALUE!	#VALUE!	#NAME?	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	5/21/2008	0	0	MAY
<b>F.QSAM08</b>	<b>94.620</b>	<b>94.630</b>	<b>94.620</b>	<b>94.620</b>	<b>94.640</b>	<b>94.590</b>	<b>(1.000)</b>	<b>94.620</b>	<b>6/18/2008</b>	<b>73,229</b>	<b>32,198</b>	<b>JUN</b>
<b>F.QSAU08</b>	<b>95.020</b>	<b>95.030</b>	<b>95.030</b>	<b>95.020</b>	<b>95.040</b>	<b>94.960</b>	<b>2.000</b>	<b>95.000</b>	<b>9/17/2008</b>	<b>98,336</b>	<b>38,805</b>	<b>SEP</b>
<b>F.QSAZ08</b>	<b>95.340</b>	<b>95.350</b>	<b>95.350</b>	<b>95.340</b>	<b>95.370</b>	<b>95.260</b>	<b>3.000</b>	<b>95.310</b>	<b>12/17/2008</b>	<b>97,107</b>	<b>57,354</b>	<b>DEC</b>
<b>F.QSAH09</b>	<b>95.560</b>	<b>95.570</b>	<b>95.570</b>	<b>95.560</b>	<b>95.590</b>	<b>95.500</b>	<b>4.000</b>	<b>95.540</b>	<b>3/18/2009</b>	<b>65,515</b>	<b>39,582</b>	<b>MAR</b>
<b>F.QSAM09</b>	<b>95.630</b>	<b>95.640</b>	<b>95.630</b>	<b>95.640</b>	<b>95.660</b>	<b>95.580</b>	<b>3.000</b>	<b>95.600</b>	<b>6/17/2009</b>	<b>63,735</b>	<b>25,262</b>	<b>JUN</b>
<b>F.QSAU09</b>	<b>95.590</b>	<b>95.600</b>	<b>95.600</b>	<b>95.590</b>	<b>95.610</b>	<b>95.530</b>	<b>5.000</b>	<b>95.550</b>	<b>9/16/2009</b>	<b>28,793</b>	<b>24,780</b>	<b>SEP</b>
<b>F.QSAZ09</b>	<b>95.450</b>	<b>95.470</b>	<b>95.450</b>	<b>95.460</b>	<b>1050.280</b>	<b>95.410</b>	<b>2.000</b>	<b>95.410</b>	<b>12/16/2009</b>	<b>24,638</b>	<b>18,930</b>	<b>DEC</b>
<b>F.QSAH10</b>	<b>95.330</b>	<b>95.340</b>	<b>95.330</b>	<b>95.330</b>	<b>95.350</b>	<b>95.300</b>	<b>0.000</b>	<b>95.320</b>	<b>3/17/2010</b>	<b>5,339</b>	<b>6,171</b>	<b>MAR</b>
<b>F.QSAM10</b>	<b>95.200</b>	<b>95.210</b>	<b>95.200</b>	<b>95.210</b>	<b>95.240</b>	<b>95.200</b>	<b>(2.000)</b>	<b>95.200</b>	<b>6/16/2010</b>	<b>2,229</b>	<b>790</b>	<b>JUN</b>
<b>F.QSAU10</b>	<b>95.090</b>	<b>95.110</b>	<b>95.090</b>	<b>95.110</b>	<b>95.130</b>	<b>95.100</b>	<b>(3.000)</b>	<b>95.100</b>	<b>9/15/2010</b>	<b>611</b>	<b>302</b>	<b>SEP</b>
<b>F.QSAZ10</b>	<b>95.010</b>	<b>95.040</b>	<b>95.010</b>	<b>95.050</b>	<b>95.050</b>	<b>95.020</b>	<b>(4.000)</b>	<b>95.020</b>	<b>12/15/2010</b>	<b>254</b>	<b>236</b>	<b>DEC</b>
<b>F.QSAH11</b>	<b>94.950</b>	<b>95.000</b>	<b>94.950</b>	<b>95.040</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>(4.000)</b>	<b>#VALUE!</b>	<b>3/16/2011</b>	<b>15</b>	<b>0</b>	<b>MAR</b>
<b>F.QSAM11</b>	<b>94.880</b>	<b>#VALUE!</b>	<b>94.880</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>(9.000)</b>	<b>#VALUE!</b>	<b>6/15/2011</b>	<b>0</b>	<b>0</b>	<b>JUN</b>
<b>F.QSAU11</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>9/21/2011</b>	<b>0</b>	<b>0</b>	<b>SEP</b>
<b>F.QSAZ11</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>12/21/2011</b>	<b>0</b>	<b>0</b>	<b>DEC</b>
<b>F.QSAH12</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>3/21/2012</b>	<b>0</b>	<b>0</b>	<b>MAR</b>
<b>F.QSAM12</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>6/20/2012</b>	<b>0</b>	<b>0</b>	<b>JUN</b>
<b>F.QSAU12</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>9/19/2012</b>	<b>0</b>	<b>0</b>	<b>SEP</b>
<b>F.QSAZ12</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>12/19/2012</b>	<b>0</b>	<b>0</b>	<b>DEC</b>

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

White pack = first, 4 quarterly contracts (the bolded one, 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**

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

**Notes:**

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

Symbol	Bid	Ask	Last Quote	Last Trade	Hi	Low	Net Chng	Open	Exp Date	Yest.Volume	Today's Volume	Contract Month
F.QGAH08	11068	11070	11068	11069	11071	11030	9	11051	3/27/2008	31,266	5,997	MAR
F.QGAM08	11055	11056	11055	11056	11059	11014	9	11042	6/26/2008	114,844	52,740	JUN

## 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

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Money Rates

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USD LIBOR								
	Bid	Ask	Last Quote	Last Trade	Hi	Low	Net Chng	Open
USDLIBON			3.16000	3.16000	3.16000	3.16000	0.00750	3.16000
USDLIB1M			3.08000	3.08000	3.08000	3.08000	(0.00625)	3.08000
USDLIB3M			3.00813	3.00813	3.00813	3.00813	(0.00625)	3.00813
USDLIB6M			2.87688	2.87688	2.87688	2.87688	0.01438	2.87688
USDLIB1Y			2.65813	2.65813	2.65813	2.65813	0.03250	2.65813
GBP LIBOR								
	Bid	Ask	Last Quote	Last Trade	Hi	Low	Net Chng	Open
GBPLIBON			5.35000	5.35000	5.35000	5.35000	0.00000	5.35000
GBPLIB1M			5.62750	5.62750	5.62750	5.60875	0.01875	5.60875
GBPLIB3M			5.76813	5.76813	5.76813	5.75625	0.01188	5.75625
GBPLIB6M			5.73875	5.73875	5.73875	5.71625	0.02250	5.71625
GBPLIB1Y			5.59750	5.59750	5.59750	5.57625	0.02125	5.57625
GBP DEPOSITS								
	Bid	Ask	Last Quote	Last Trade	Hi	Low	Net Chng	Open
GBPDEP1M	5.350	5.650	5.650	5.650	5.650	5.350	0.100	5.450
GBPDEP3M	5.570	5.870	5.870	5.870	5.870	5.540	0.110	5.660
GBPDEP6M	5.550	5.850	5.850	5.850	5.850	5.510	0.120	5.630
GBPDEP1Y	5.410	5.710	5.710	5.710	5.710	5.370	0.120	5.490
EURIBOR DEPOSITS								
	Bid	Ask	Last Quote	Last Trade	Hi	Low	Net Chng	Open
EURLIBON			4.0238	4.0238	4.0238	4.0238	0.0000	4.0238
EUIBOR1M			4.2000	4.2000	4.2000	4.2000	0.0010	4.2000
EUIBOR3M			4.3910	4.3910	4.3910	4.3910	0.0080	4.3910
EUIBOR6M			4.3950	4.3950	4.3950	4.3950	0.0160	4.3950
EUIBOR1Y			4.3940	4.3940	4.3940	4.3940	0.0150	4.3940
CURRENCIES								
	Bid	Ask	Last Quote	Last Trade	Hi	Low	Net Chng	Open
GBPUSD	1.9875	1.9878	1.9875	1.9875	1.9888	1.981	0.0036	1.9837
GBPEUR	1.3058	1.3066	1.3066	1.3066	1.3098	1.3041	0.0012	1.3044
GBPJPY	2.0463	2.0471	2.0471	2.0471	2.0579	2.0437	(0.0064)	2.0523
EURGBP	0.7656	0.7658	0.7658	0.7658	0.7671	0.7634	(0.0007)	0.7663

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Contract Specs

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**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
<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, December, and four serial months, such that 25 delivery months are available for trading, with the nearest six delivery months being consecutive calendar months
<b>Quotation</b>	100.00 minus rate of interest
<b>Minimum price movement</b>	0.005 (€12.50)
<b>Last trading day</b>	10.00 - Two business days prior to the third Wednesday of the delivery month
<b>Delivery day</b>	First business day after the Last Trading Day
<b>Trading hours</b>	01:00 – 21:00 [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 the best price subject to a
<b>Contract Standard:</b>	Cash settlement based on the Exchange Delivery Settlement Price.

**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