



The Morning Email: Treasuries

9/8/2008 6:03

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Want something added? Let me know:
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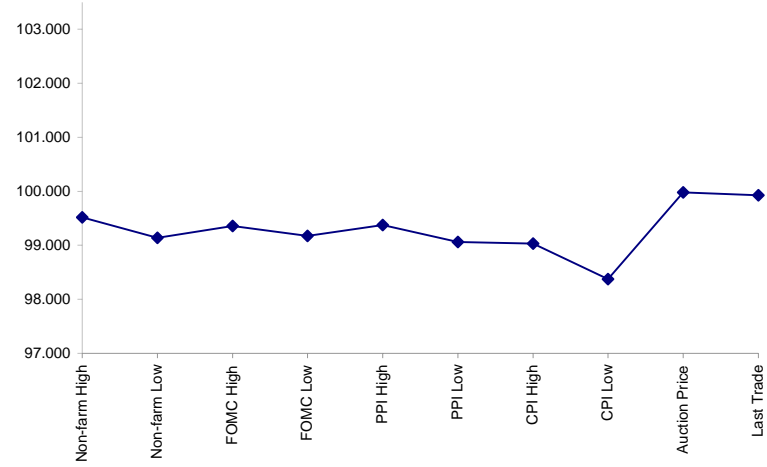
Economic Releases (32nds)

	5y	10y	ZNZ8	ZBZ8	Date
Non-farm High	99.1650	100.115	116.118	116.285	8/1/2008
Non-farm Low	99.0450	99.255	115.225	116.015	8/1/2008
FOMC High	99.1150	100.045	116.048	116.275	8/5/2008
FOMC Low	99.0550	99.245	115.248	116.030	8/5/2008
PPI High	99.1200	101.220	117.263	118.305	8/15/2008
PPI Low	99.0200	101.070	117.093	118.085	8/15/2008
CPI High	99.0100	101.010	116.033	118.015	8/14/2008
CPI Low	98.1200	100.090	116.108	116.265	8/14/2008
Auction Price	99.3140	99.124	na	na	
Last Trade	99.2970	101.180	115.095	117.255	9/8/2008 6:03

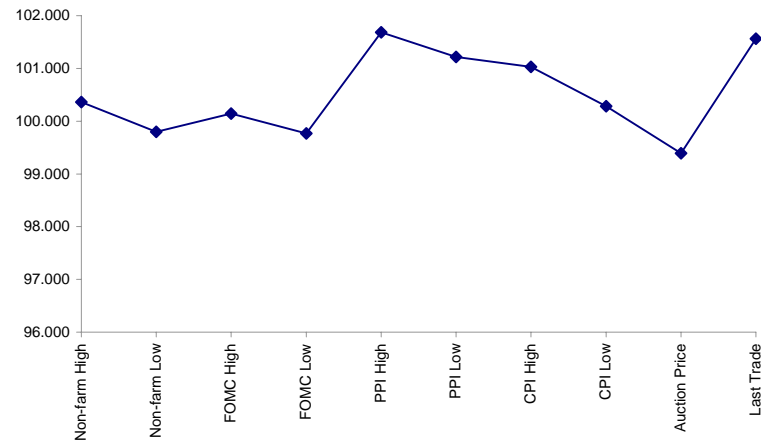
Auctions - 32nds

	2 y	5y	10y	30y
Auction Price	99.317	99.314	99.124	98.074
Auction Yield Stop	2.38	3.129	4.075	4.609
Actual Auction Date	8/27/2008	8/28/2008	8/6/2008	8/7/2008

5y (Decimal)



10y (Decimal)



Notes:

- 1) Cash and futures are adjusted for roll.
- 2) Release times are from release to 2pm cdt

3) {Sep08 to Dec08 Futures roll: ZF = (14 3/4); ZN = (36 3/4); ZB = (27 1/2) [tics]}

Quotes

		32 nds					
	Last	Net	High	Low	Open	Volume	Sym Name
TUAZ8	106.000	(0.122)	106.042	105.252	106.042	130,483	2y Fut
FVAZ8	111.195	(1.042)	112.040	111.062	112.040	210,605	5y Fut
TYAZ8	115.095	(1.105)	115.255	114.240	115.250	302,143	10y Fut
USAZ8	117.255	(1.09)	118.065	117.055	118.065	66,321	30y Fut
	Last	Net	High	Low	Open	Volume	Sym Name
BUS02P	99.285	(0.067)	99.297	99.225	99.245	na	2y Cash
BUS05P	99.297	(0.225)	99.312	99.180	99.200	na	5y Cash
BUS10P	101.175	(0.255)	101.225	100.280	100.280	na	10y Cash
BUS30P	102.080	(0.265)	102.165	101.215	102.015	na	30y Cash
	Last	Net	High	Low	Open	Volume	Sym Name
BUS02Y	2.429	0.118	2.547	2.254	2.29	na	2y Yield
BUS05Y	3.137	0.153	3.224	2.935	2.948	na	5y Yield
BUS10Y	3.809	0.105	3.902	3.667	3.674	na	10y Yield
BUS30Y	4.361	0.049	4.404	4.276	4.28	na	30y Yield

Duration, DV01s, Curve Spreads, CF

	M Duration	DV01 32	DV01 \$	DV01 Box	CF	
30y	16.22	5.32	\$1,664	10.65	n/a	30y
10y	8.13	2.65	\$828	5.30	n/a	10y
5y	4.57	1.50	\$469	6.00	n/a	5y
2y	1.90	0.64	\$200	2.56	n/a	2y
ZB	10.46	4.02	\$126	4.02	0.7943	ZB
ZN	6.32	2.39	\$75	4.78	0.8568	ZN
ZF	4.17	1.53	\$48	3.07	0.8844	ZF
ZT	1.98	0.69	\$22	2.75	0.9353	ZT

Yield Curve Spreads

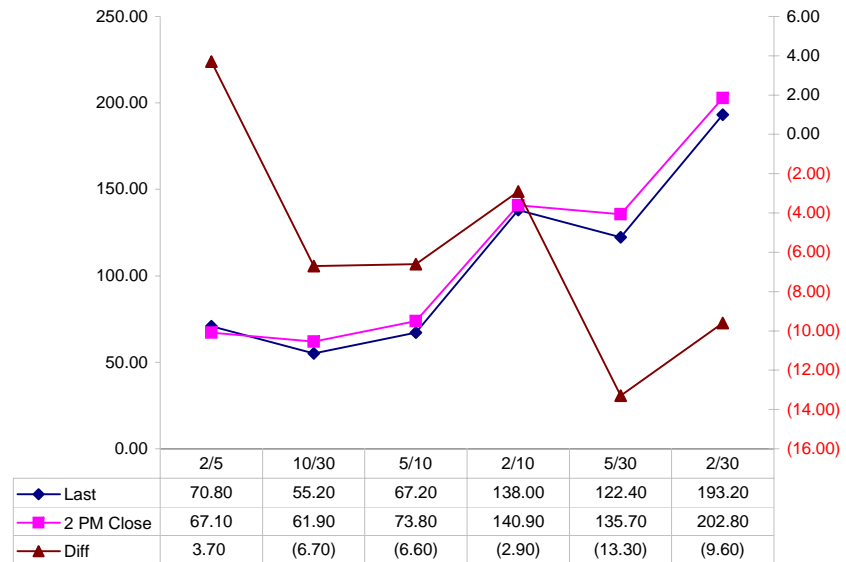
	Last	2pm close	Diff
2/5	70.80	67.10	3.70
10/30	55.20	61.90	(6.70)
5/10	67.20	73.80	(6.60)
2/10	138.00	140.90	(2.90)
5/30	122.40	135.70	(13.30)
2/30	193.20	202.80	(9.60)

DV01 32, said differently, is "how many TICS are in a basis point?".

Example, If ZN moves 1~basis point, then, it's moved 2.38 tics (Today, 06/25/08, the value in the box is 2.38).

Since ZN trades in half tics, then, 4.80 boxes = 1 basis point in ZN. (Again, today, 08/07/08, the value in the box is 4.80). Of course the values will be different as you look at this. But, they won't be that much different. So, I think you can get the idea I'm trying to get across.

Curve Spreads vs 2pm close



Notes

CF = Conversion Factor

MDuration = Modified Macaulay Duration

MDuration & DV01s for Futures are based on proxy issue (CTD)

DV01 Box = Dollar Value of 1 basis point move per Box

US Financial Futures / Eurex Bond

	ZB	ZN	ZF	ZT
Bund (U)	0.975	1.620	2.499	2.889
Bobl (U)	0.531	0.882	1.360	1.570
Shatz (U)	0.204	0.339	0.523	0.605

US Financial Futures

	ZB	ZN	ZF	ZT
ZB		1.679	2.621	2.917
ZN	0.596		1.561	1.738
ZF	0.382	0.641		1.113
ZT	0.330	0.554	0.864	

Eurex Bonds

	Bund (H)	Bobl (H)	Shatz (H)
Bund (H)		1.8	4.8
Bobl (H)	0.6		2.6
Shatz (H)	0.2	0.4	

US Treasuries v US Financial Futures

	2y	5y	10y	30y
ZB	1.53	3.69	6.60	13.26
ZN	2.56	6.20	11.08	22.26
ZF	4.00	9.68	17.29	34.74
ZT	4.45	10.77	19.25	38.67

US Treasuries v Eurex Bonds

	2y	5y	10y	30y
Bund (U)	1.5	3.7	6.8	13.6
Bobl (U)	2.8	6.9	12.4	25.0
Shatz (U)	7.3	17.8	32.4	65.0

US Treasuries

	2y	5y	10y	30y
2y		2.419	4.323	8.686
5y	0.413		1.787	3.590
10y	0.231	0.560		2.009
30y	0.115	0.279	0.498	

Note: If you are looking at a matrix with Eurex products then those ratios are pulled from Bloomberg and are static. Meaning, I only update them once in a while but always on rolls. I calculate the other matrices, with US products, everyday

Treasury Closes: 2pm CT vs this Morning

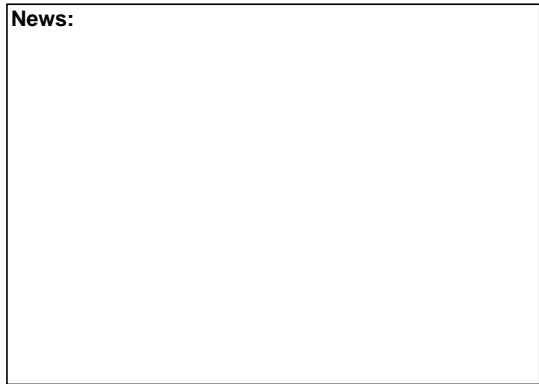
	Cpn	Mty	Close 32	Close	Last	Chng	Basis		Cash	Futrues	Close 32	Last	
						from 2pm	Close	Last	Roll	Roll			
2y	2.375	8/31/10	100.0775	2.249	2.429	0.180	24.22	23.96		0.100	106.1175	106.0000	TUAZ8
5y	3.125	8/31/13	100.3025	2.920	3.137	0.217	39.56	39.07		0.180	112.2375	111.1950	FVAZ8
10y	4.000	8/15/18	102.265	3.658	3.809	0.151	92.92	88.84		1.017	116.200	115.095	TYAZ8
30y	4.500	5/15/38	103.230	4.277	4.361	0.084	292.32	278.39		0.277	119.025	117.255	USAZ8

Curve Spreads

	Close bps	Last bps	Chng from
			2pm Cls
2/5	67.1	70.8	3.7
5/10	73.8	67.2	(6.6)
10/30	61.9	55.2	(6.7)
2/10	140.9	138.0	(2.9)
5/30	135.7	122.4	(13.3)
2/30	202.8	193.2	(9.6)

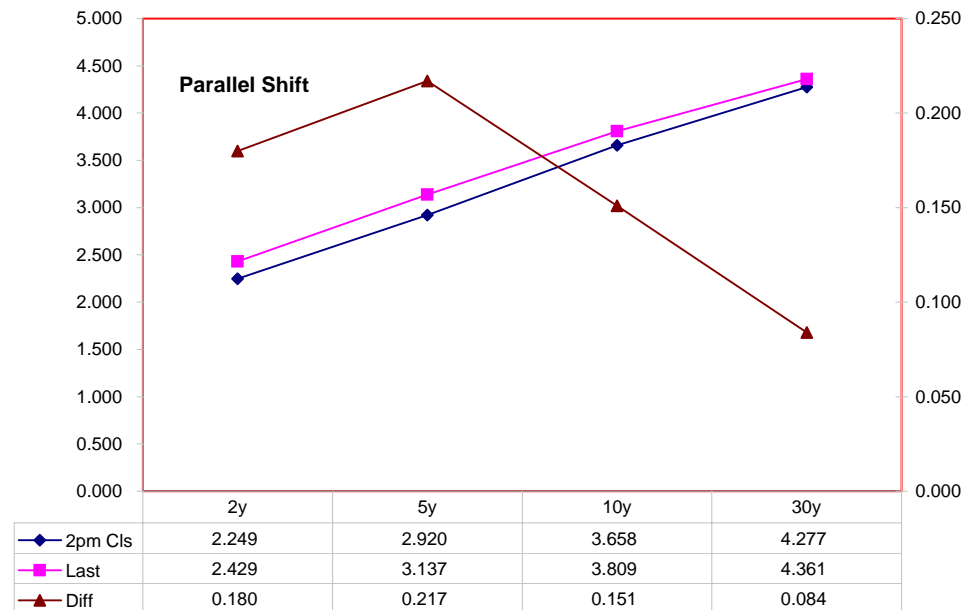
	Last	Chng on Day
Emini SP	1278.75	37.75
Crude Oil	107.50	1.27
Gold	812.90	10.10
EURUSD	142.33	(0.36)
USDJPY	108.83	1.06

News:



Jim Goulding, jgoulding@ghco.com

US Treasuries Last v 2pm Close



Notes:

Basis = (Cash Decimal - (Futures Decimal * CF))*32

MDuration for Curve Spreads:

Longer duration minus shorter duration

32 = price is quoted in 32nds

What is this? (1):
 2yr cash has X% duration of 5yr cash.

Cash Duration Matrix

	2	5	10	30
2	100%			
5	42%	100%		
10	23%	56%	100%	
30	12%	28%	50%	100%

What is this? (2):
 - 2yr cash has DV01 of X\$.
 - Multiply the 2yr DV01 by the percent duration to come up with what the 2yrs DV01 SHOULD be compared to the 5yr.

Cash Matrix [DV01 x Duration]

	2	5	10	30
2	\$200			
5	\$195	\$469		
10	\$194	\$465	\$828	
30	\$195	\$469	\$834	\$1,664

What is this? (3):
 - Now you can see the over/under value, based on the DV01, from contract to contract. In this example we are looking at the 2yr compared to the 5yr.

Cash Matrix [DV01 over / (under) valued]

	2	5	10	30
2				
5	\$5			
10	\$6	\$3		
30	\$4	(\$0)	(\$6)	

Or you can look at the over/under value as a percentage instead of dollar terms

Cash Matrix [DV01 over / (under) as %]

	2	5	10	30
2				
5	2.31%			
10	3.02%	0.70%		
30	2.28%	-0.02%	-0.72%	

Tic for Tic Matrix

	2y	5y	10y	30y
ZT	0.93	2.18	3.85	7.73
ZF	0.42	0.98	1.73	3.47
ZN	0.27	0.63	1.11	2.23
ZB	0.16	0.37	0.66	1.33

	2y	5y	10y	30y
2y		2.35	4.15	8.33
5y	0.43		1.77	3.55
10y	0.24	0.57		2.01
30y	0.12	0.28	0.50	

	ZT	ZF	ZN	ZB
ZT		2.23	3.48	5.83
ZF	0.45		1.56	2.62
ZN	0.29	0.64		1.68
ZB	0.17	0.38	0.60	

Box for Box Matrix

	2y	5y	10y	30y
ZT	0.93	2.18	7.70	15.47
ZF	0.42	0.98	3.46	6.95
ZN	0.53	1.25	1.11	2.23
ZB	0.64	0.75	1.32	1.33

	2y	5y	10y	30y
2y		2.35	2.07	4.17
5y	0.43		0.44	1.78
10y	0.48	2.26		2.01
30y	0.24	0.56	0.50	

	ZT	ZF	ZN	ZB
ZT		2.23	6.95	11.67
ZF	0.45		1.56	5.24
ZN	0.14	0.64		1.68
ZB	0.09	0.19	0.60	

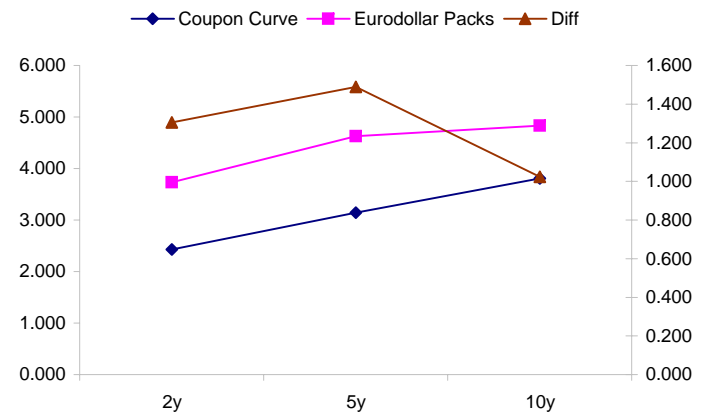
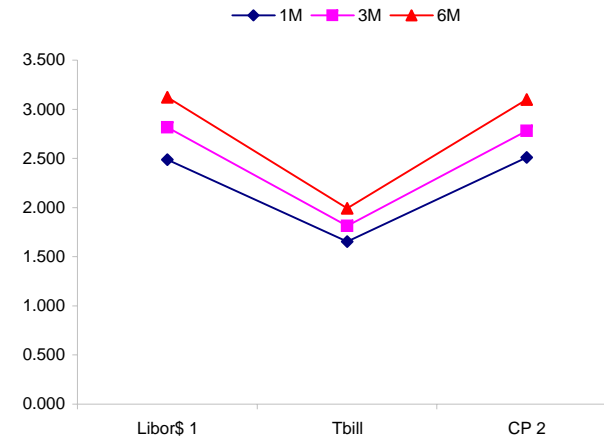
	Libor\$ ¹	Repo Rt ⁶			
0/N	2.146	2.030			
1week	2.364	2.050			
2week	2.406	2.050			
	Libor\$ ¹	Tbill	CP ²		
1M	2.488	1.654	2.510		
3M	2.817	1.812	2.780		
6M	3.123	1.993	3.100		
	TSY	Swp	Swp Rate ⁵	ED Pks ³	TSY - ED Pk ⁴
2y	2.428	90.50	3.33	3.732	1.304
5y	3.140	85.00	3.99	4.629	1.488
10y	3.809	60.50	4.41	4.834	1.024

<u>2/5</u>	<u>Rd/Blu Pk</u>	<u>Diff</u>	
71.2	89.6	18.4	Red pack / Blue pack is a 2/5 proxy
<u>2/10</u>	<u>Rd/Gld Pk</u>	<u>Diff</u>	
138.1	110.1	-28.0	Red pack / Gold pack is a 2/10 proxy
<u>5/10</u>	<u>Blu/Gld Pk</u>	<u>Diff</u>	
66.9	20.5	-46.4	Blue pack / Gold pack is a 5/10 proxy

"Swap spreads are essentially a measure of the difference between buying a safe government bond and making a riskier loan to a bank"
--WSJ

Notes:

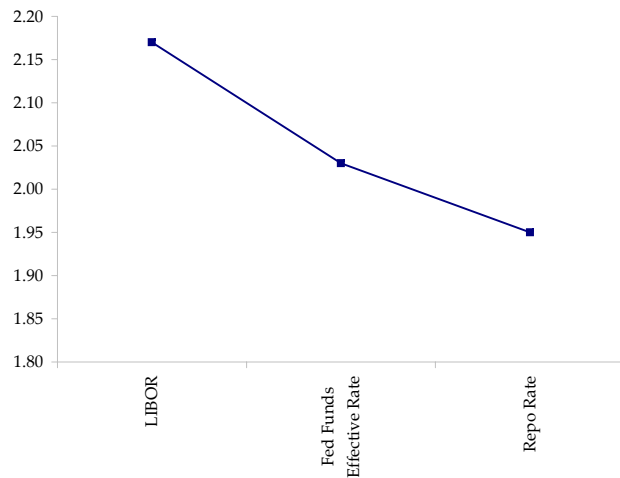
- 1) Quoted in US Dollars
- 2) CP = Commercial Paper
- 3) ED Pks are colored for pack identifications. Example, the red pack is a 2-yr proxy and is colored red.
- 4) TSY yield minus ED Pk yield
- 5) Swap divided by 100 + TSY yield gives swap rate in basis points.
- 6) Repo Rt quotes is for overnight General Collateral



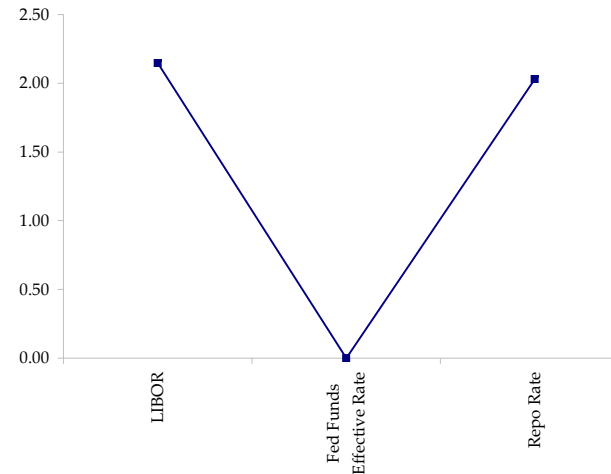
	Last	Chng	Term	Asset Type
USDLIBON	2.146	0.0025	Overnight	LIBOR
TUSFFRON	#VALUE!	#VALUE!	Overnight	Fed Funds Effective Rate
TUSRPOON	2.030	0.0000	Overnight	Repo Rate
TEONIA01M	4.293	(0.0120)	1 month	Euribor OIS Rate
TEONIA03M	4.320	(0.0080)	3 month	Euribor OIS Rate
TSONIA01M	5.023	(0.0010)	1 month	Sterling OIS Rate
TSONIA03M	4.954	0.0030	3 month	Sterling OIS Rate
TUSOIS01M	2.014	0.0000	1 month	USD OIS Rate
TUSOIS03M	2.023	0.0070	3 month	USD OIS Rate

Example, below

Overnight Rates -EXAMPLE



Overnight Rates



←
A 'normal' lending curve looks like the chart to the left. That is, the Libor should be a bit higher than Fed Funds Effective rate (FFER), and the FFER should be a bit higher than the Repo Rate.

The best time to view this page is on the closing email I send in the afternoon. The Fed Funds effective rate and the repo rate rarely update until after I send the morning email.

Global 10yr Spreads over US Treasuries

Country	8/20/2008	8/25/2008	8/28/2008	9/2/2008	9/3/2008	9/4/2008	9/5/2008	Last
Australia	207	201.6	198.4	195.3	200.8	213.5	198.9	191.64
France	49.8	53.2	57.3	58.9	64.4	61.7	62.2	51.84
Germany	33.4	34	37.8	40	44.3	41.1	39.3	31.87
Japan	-236.2	-234.4	-235.9	-227	-223.7	-212.7	-220.6	-229.9
U.K.	77.1	82.9	69.9	76.4	80.2	81.1	74.1	68.56

Global 10y Note spreads over US 10y

