



The Morning Email: Treasuries

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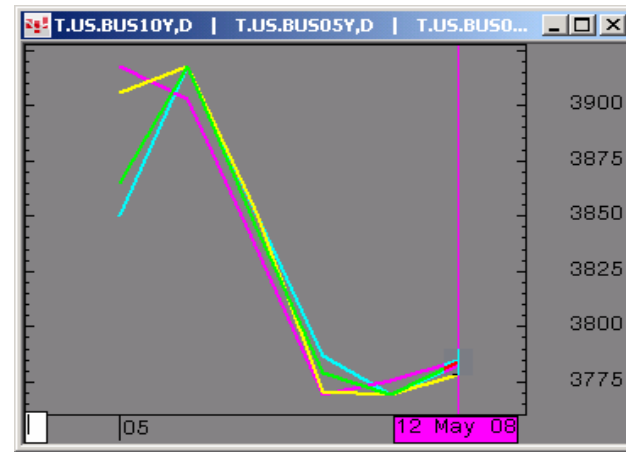
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Daily Yield Curve



Scale is for 10yr

Source: CQG, Inc. © 2008 Mon May 12 2008 05:49:08



Want something added? Let me know: jgoulding@ghco.com

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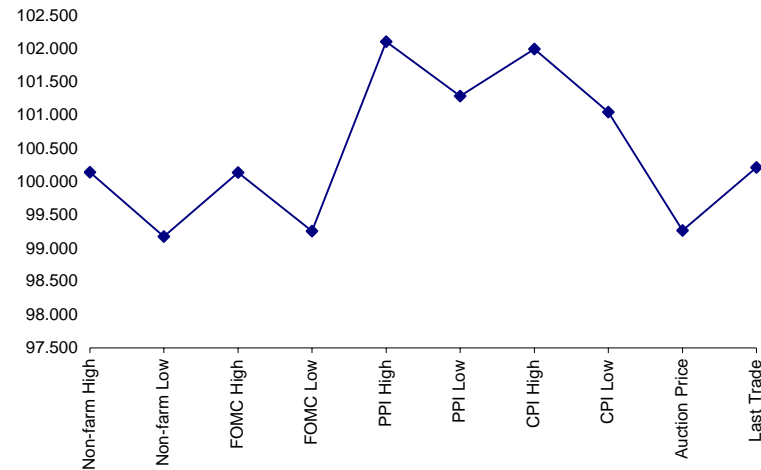
Economic Releases (32nds)

	5y	10y	ZNM8	ZBM8	Date
Non-farm High	100.1425		116.005	117.185	5/2/2008
Non-farm Low	99.1750		114.205	115.230	5/2/2008
FOMC High	100.1375		115.275	116.305	4/20/2008
FOMC Low	99.2600		114.300	115.220	4/20/2008
PPI High	102.1100		117.285	119.110	4/15/2008
PPI Low	101.2900		117.075	118.010	4/15/2008
CPI High	102.0000		117.145	118.135	4/16/2008
CPI Low	101.0500		116.450	116.245	4/16/2008
Auction Price	99.2700		na	na	
Last Trade	100.2150		115.290	117.005	5/12/2008 5:49

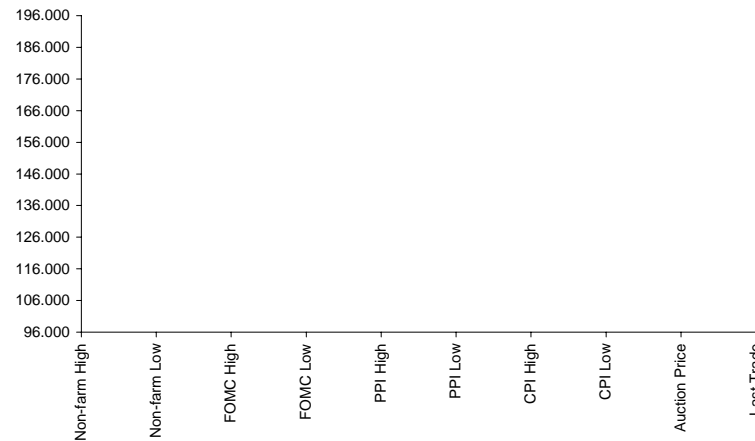
Auctions - 32nds

	2 y	5y	10y	30y
Auction Price	99.258	99.270	99.157	96.120
Auction Yield Stop	2.225	3.159	3.937	4.599
Actual Auction Date	4/23/2008	4/24/2008	5/7/2008	5/8/2008 r

5y (Decimal)



10y (Decimal)



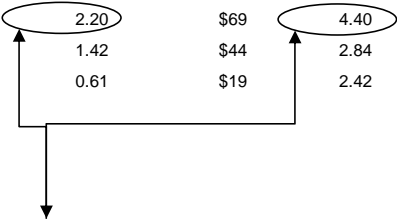
Notes:

- 1) Cash and futures are adjusted for roll.
- 2) Release times are from release to 2pm cdt
- 3) {Mch08 to Jun08 Futures roll: ZF = (-20); ZN = (-43); ZB = (-36) [tics]}

Quotes

		32 nds					
	Last	Net	High	Low	Open	Volume	Sym Name
TUAM8	106.115	(0.015)	106.137	106.105	106.130	15,419	2y Fut
FVAM8	112.100	(0.030)	112.152	112.080	112.140	38,112	5y Fut
TYAM8	115.290	(0.050)	116.065	115.260	116.035	81,422	10y Fut
USAM8	117.005	(0.07)	117.135	116.280	117.085	13,642	30y Fut
	Last	Net	High	Low	Open	Volume	Sym Name
BUS02P	99.245	(0.005)	99.265	99.237	99.255	na	2y Cash
BUS05P	100.210	(0.025)	100.270	100.200	100.260	na	5y Cash
BUS10P	100.235	(0.040)	101.010	100.210	100.305	na	10y Cash
BUS30P	97.090	(0.080)	97.250	97.070	97.250	na	30y Cash
	Last	Net	High	Low	Open	Volume	Sym Name
BUS02Y	2.248	0.020	2.269	2.183	2.256	na	2y Yield
BUS05Y	2.980	0.013	2.992	2.938	2.968	na	5y Yield
BUS10Y	3.784	0.015	3.799	3.747	3.771	na	10y Yield
BUS30Y	4.537	0.013	4.551	4.506	4.525	na	30y Yield

	M Duration	DV01 32	DV01 \$	DV01 Box	CF	
30y	16.19	5.09	\$1,592	10.19	n/a	30y
10y	8.11	2.56	\$799	5.11	n/a	10y
5y	4.50	1.48	\$462	5.92	n/a	5y
2y	1.91	0.61	\$191	2.44	n/a	2y
ZB	10.15	3.79	\$118	3.79	0.7765	ZB
ZN	5.86	2.20	\$69	4.40	0.8448	ZN
ZF	3.91	1.42	\$44	2.84	0.8809	ZF
ZT	1.76	0.61	\$19	2.42	0.9336	ZT



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

Example, If ZN moves 1-basis point, then, it's moved 2.59 tics (Today, 03/29/08, the value in the box is 2.59).

Since ZN trades in half tics, then, 5.17 boxes = 1 basis point in ZN. (Again, today, 03/28/08, the value in the box is 5.17). 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.

Notes

CF = Conversion Factor

MDuration = Modified Macaulay Duration

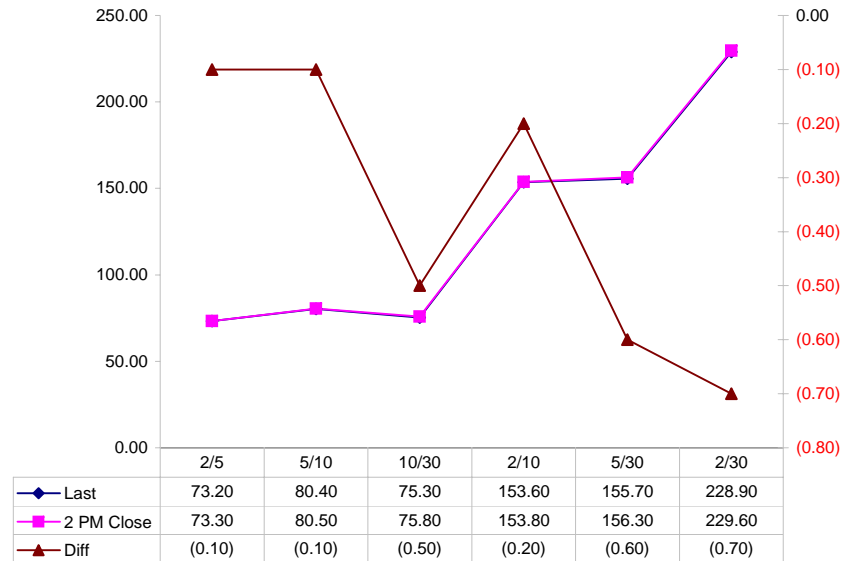
MDuration & DV01s for Futures are based on proxy issue (CTD)

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

Yield Curve Spreads

	Last	2pm close	Diff
2/5	73.20	73.30	(0.10)
5/10	80.40	80.50	(0.10)
10/30	75.30	75.80	(0.50)
2/10	153.60	153.80	(0.20)
5/30	155.70	156.30	(0.60)
2/30	228.90	229.60	(0.70)

Curve Spreads vs 2pm close



US Financial Futures / Eurex Bond

	ZB	ZN	ZF	ZT
Bund (M)	1.070	1.871	2.898	3.335
Bobl (M)	0.588	1.028	1.593	1.833
Shatz (M)	0.239	0.418	0.647	0.745

US Financial Futures

	ZB	ZN	ZF	ZT
ZB		1.720	2.665	3.122
ZN	0.581		1.549	1.815
ZF	0.375	0.645		1.172
ZT	0.320	0.551	0.853	

Eurex Bonds

	Bund (H)	Bobl (H)	Shatz (H)
Bund (H)		1.8	4.5
Bobl (H)	0.5		2.5
Shatz (H)	0.2	0.4	

US Treasuries v US Financial Futures

	2y	5y	10y	30y
ZB	1.61	3.91	6.75	13.45
ZN	2.78	6.72	11.62	23.14
ZF	4.30	10.41	18.00	35.85
ZT	5.04	12.20	21.09	42.01

US Treasuries v Eurex Bonds

	2y	5y	10y	30y
Bund (M)	1.5	3.6	6.2	12.3
Bobl (M)	2.7	6.5	11.2	22.4
Shatz (M)	6.7	16.0	27.6	54.9

US Treasuries

	2y	5y	10y	30y
2y		2.421	4.186	8.338
5y	0.413		1.729	3.444
10y	0.239	0.578		1.992
30y	0.120	0.290	0.502	

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 matrixes, with US products, everyday

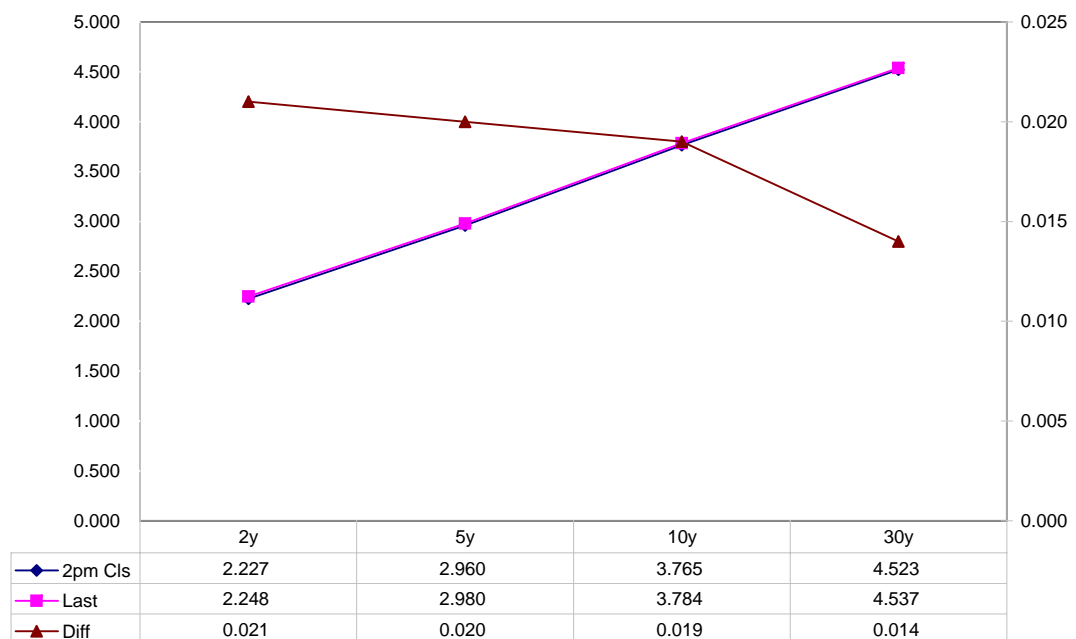
Closes: 2pm CT vs this Morning

	Cpn	Mty	Close 32	Close	Last	Diff	Basis			Close 32	Last	
							Close	Last	Roll			
2y	2.125	4/30/10	99.2575	2.227	2.248	0.021	15.192	15.192	na	106.1325	106.1150	TUAM8
5y	3.125	4/30/13	100.2425	2.960	2.980	0.020	55.65	55.55	na	112.1300	112.1000	FVAM8
10y	3.875	5/15/18	100.290	3.765	3.784	0.019	91.41	90.64	na	116.020	115.290	TYAM8
30y	4.375	5/15/37	97.185	4.523	4.537	0.014	209.07	207.40	na	117.080	117.005	USAM8

Curve Spreads

	Close bps	Last bps
2/5	73.3	73.2
5/10	80.5	80.4
10/30	75.8	75.3
2/10	153.8	153.6
5/30	156.3	155.7
2/30	229.6	228.9

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

Cash Duration Matrix

	2	5	10	30
2	100%			
5	42%	100%		
10	24%	56%	100%	
30	12%	28%	50%	100%

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

Cash Matrix [DV01 x Duration]

	2	5	10	30
2	\$191			
5	\$196	\$462		
10	\$188	\$444	\$799	
30	\$188	\$443	\$797	\$1,592

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 over / (under) valued]

	2	5	10	30
2				
5	(\$5)			
10	\$2	\$19		
30	\$3	\$20	\$2	

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) as %]

	2	5	10	30
2				
5	-2.77%			
10	1.30%	4.18%		
30	1.53%	4.42%	0.23%	

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

Tic for Tic Matrix

	2y	5y	10y	30y
ZT	1.01	2.44	4.22	8.40
ZF	0.43	1.04	1.80	3.59
ZN	0.28	0.67	1.16	2.31
ZB	0.16	0.39	0.68	1.35

	2y	5y	10y	30y
2y	1.00	2.42	4.19	8.34
5y	0.41	1.00	1.73	3.44
10y	0.24	0.58	1.00	1.99
30y	0.12	0.29	0.50	1.00

	ZT	ZF	ZN	ZB
ZT	1.00	2.34	3.63	6.24
ZF	0.43	1.00	1.55	2.66
ZN	0.28	0.65	1.00	1.72
ZB	0.16	0.38	0.58	1.00

Box for Box Matrix

	2y	5y	10y	30y
ZT	1.01	2.44	8.44	16.80
ZF	0.43	1.04	3.60	7.17
ZN	0.56	1.34	1.16	2.31
ZB	0.65	0.78	1.35	1.35

	2y	5y	10y	30y
2y		2.42	2.09	4.17
5y	0.41		0.43	1.72
10y	0.48	2.31		1.99
30y	0.24	0.58	0.50	

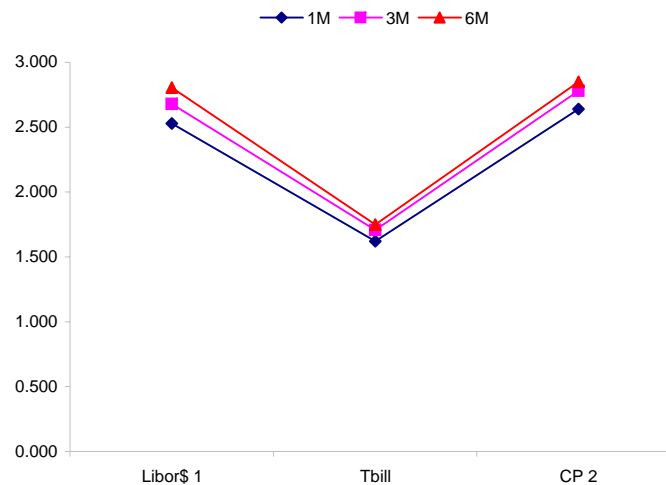
	ZT	ZF	ZN	ZB
ZT		2.34	7.26	12.49
ZF	0.43		1.55	5.33
ZN	0.14	0.65		1.72
ZB	0.08	0.19	0.58	

	Libor\$ ¹	Repo Rt ⁶			
0/N	2.195	2.020			
1week	2.400	1.900			
2week	2.454	1.900			
	Libor\$ ¹	Tbill	CP ²		
1M	2.529	1.620	2.640		
3M	2.678	1.707	2.780		
6M	2.804	1.748	2.850		
	TSY	Swp	Swp Rate ⁵	ED Pks ³	TSY - ED Pk ⁴
2y	2.243	80.00	3.04	3.434	1.191
5y	2.982	80.25	3.78		#VALUE!
10y	3.786	60.25	4.39		#VALUE!

<u>2/5</u>	<u>Rd/Blu Pk</u>	<u>Diff</u>
73.8	#VALUE!	#VALUE!
<u>2/10</u>	<u>Rd/Gld Pk</u>	<u>Diff</u>
154.3	#VALUE!	#VALUE!
<u>5/10</u>	<u>Blu/Gld Pk</u>	<u>Diff</u>
80.5	#VALUE!	#VALUE!

Red pack / Blue pack is a 2/5 proxy
 Red pack / Gold pack is a 2/10 proxy
 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	2.195	0.0538	Overnight	LIBOR
TUSFFRON	2.031	0.0000	Overnight	Fed Funds Effective Rate
TUSRPOON	2.020	0.0000	Overnight	Repo Rate
TEONIA01M	4.019	(0.0020)	1 month	Euribor OIS Rate
TEONIA03M	4.026	(0.0110)	3 month	Euribor OIS Rate
TSONIA01M	5.014	(0.0020)	1 month	Sterling OIS Rate
TSONIA03M	4.946	0.0320	3 month	Sterling OIS Rate
TUSOIS01M	2.005	0.0030	1 month	USD OIS Rate
TUSOIS03M	1.984	(0.0020)	3 month	USD OIS Rate

