



The Morning Email: Treasuries

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

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	32nds					
	2 y	3 y	5y	7y	10y	30y
Auction Price	99.269	99.302	99.084	99.163	97.320	99.033
Auction Yield Stop	1.080	1.519	2.689	3.369	3.365	4.303
Actual Auction Date	7/28/2009	7/7/2009	7/29/2009	7/30/2009	07/08/09 r	7/09/2009 r

Where r = reopen

Quotes

		32 nds					
	Last	Net	High	Low	Open	Volume	Sym Name
TUAU9	108.055	0.5	108.057	108.040	108.052	18,741	2y Fut
Z3NU9	111.150	2.5	#VALUE!	#VALUE!	#VALUE!	0	3y Fut
FVAU9	114.270	4.2	114.272	114.215	114.240	31,252	5y Fut
TYAU9	116.105	4.50	116.120	116.035	116.085	67,599	10y Fut
USAU9	117.305	12.00	118.010	117.200	117.270	11,983	30y Fut
	Last	Net	High	Low	Open	Volume	Sym Name
BUS02P	99.212	1.20	99.217	99.197	99.205	na	2y Cash
BUS03P	99.155	2.00	99.160	99.127	99.135	na	3y Cash
BUS05P	99.292	3.00	99.297	99.237	99.240	na	5y Cash
BUS07P	99.260	4.00	99.270	99.210	99.220	na	7y Cash
BUS10P	95.315	6.50	96.015	95.220	95.310	na	10y Cash
BUS30P	97.220	13.50	97.250	97.070	97.130	na	30y Cash
	Last	Net	High	Low	Open	Volume	Sym Name
BUS02Y	1.164	(0.160)	1.196	1.164	1.200	na	2y Yield
BUS03Y	1.675	(0.220)	1.711	1.675	1.703	na	3y Yield
BUS05Y	2.643	(0.170)	2.681	2.640	2.679	na	5y Yield
BUS07Y	3.278	(0.070)	3.306	3.275	3.300	na	7y Yield
BUS10Y	3.614	(0.230)	3.645	3.612	3.647	na	10y Yield
BUS30Y	4.387	(0.250)	4.418	4.384	4.407	na	30y Yield

Notes:

Regarding the futures quotes: .2 .5 & .7
represent 1/4, 1/2, & 3/4s.

	M Duration	DV01 32	DV01 \$	DV01 Box	CF	
30y	16.49	5.53	\$1,728	11.06	n/a	30y
10y	8.26	2.68	\$837	5.36	n/a	10y
7y	6.20	2.09	\$654	4.18	n/a	7y
5y	4.64	1.55	\$485	6.21	n/a	5y
3y	2.86	0.93	\$292	3.74	n/a	3y
2y	1.96	0.64	\$199	2.54	n/a	2y
ZB	9.91	4.13	\$129	4.13	0.7593	ZB
ZN	5.72	2.32	\$72	4.64	0.7941	ZN
ZF	4.09	1.56	\$49	6.25	0.8602	ZF
Z3N	2.72	1.05	\$33	4.20	0.7941	Z3N
ZT	1.82	0.69	\$21	2.74	0.9144	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 2.47 tics (Today, 04/28/09, the value in the box is 2.47).

Since ZN trades in half tics, then, 4.95 boxes = 1 basis point in ZN. (Again, today, 04/28/09, the value in the box is 4.95). 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

US Financial Futures

	ZB	ZN	ZF	Z3N	ZT
ZB		1.78	2.64	1.97	3.01
ZN	0.56		1.48	1.11	1.69
ZF	0.38	0.67		0.74	1.14
Z3N	0.49	0.88	1.30		1.48
ZT	0.33	0.59	0.88	1.31	

US Treasuries vs US Financial Futures

	2y	3y	5y	7y	10y	30y
ZB	1.5	2.3	3.8	5.1	6.49	13.4
ZN	2.7	4.0	6.7	9.0	11.55	23.8
ZF	3.9	6.0	9.9	13.2	17.14	35.4
Z3N	3.0	4.5	7.4	10.0	12.76	26.3
ZT	4.6	6.8	11.3	15.1	19.52	40.3

US Treasuries

	2y	3y	5y	7y	10y	30y
2y		1.47	2.44	3.29	4.21	8.70
3y	0.68		1.66	2.24	2.87	5.92
5y	0.41	0.60		1.35	1.73	3.56
7y	0.30	0.45	0.74		1.28	2.64
10y	0.24	0.35	0.58	0.78		2.06
30y	0.11	0.17	0.28	0.38	0.48	

US Financial Futures vs German Futures

	ZB	ZN	ZF	ZT
Bund (U)	1.00	1.86	2.55	Jan-00
Bobl (U)	0.62	1.00	1.50	Jan-00
Shatz (U)	0.24	0.42	0.60	Jan-00

German Futrues vs German Futures

	Bund (U)	Bobl (U)	Shatz (U)
Bund (U)		1.70	4.21
Bobl (U)	0.59		2.47
Shatz (U)	0.24	0.40	

US Treasuries vs German Futures

	2y	3y	5y	7y	10y	30y
Bund (U)	1.5	2.3	3.6	4.7	Jan-00	12.9
Bobl (U)	2.7	3.9	6.3	8.0	Jan-00	22.3
Shatz (U)	6.8	9.9	16.1	19.7	Jan-00	56.9

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

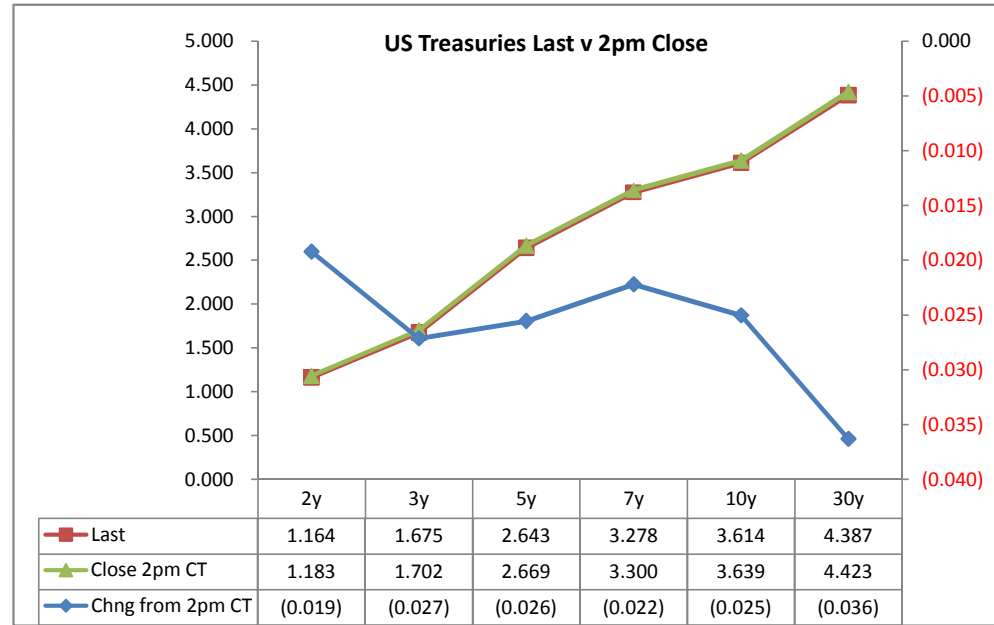
Treasury Closes: 2pm CT vs this Morning

	Cpn	Mty	Close 32	Close	Last	Chng	Basis (CF)			Close 32	Last	
						from 2pm	Close	Last	CF			
2y	1.000	7/31/11	99.2050	1.183	1.164	(0.019)	19.46	24.00	0.9144	108.097	108.055	TUAU9
3y	1.500	7/15/12	99.1350	1.702	1.675	(0.027)	20.57	29.20	0.8843	111.225	111.150	Z3NU9
5y	2.625	7/31/14	99.2550	2.669	2.643	(0.026)	35.71	35.97	0.8602	114.230	114.270	FVAU9
7y	3.250	7/31/16	99.2200	3.300	3.278	(0.022)	na	na	na	na	na	
10y	3.125	5/15/19	95.2550	3.639	3.614	(0.025)	113.04	115.46	0.7941	116.060	116.105	TYAU9
30y	4.250	5/15/39	97.0500	4.423	4.387	(0.036)	251.75	260.02	0.7593	117.190	117.305	USAU9

Curve Spreads^

	Close bps	Last bps	Chng from
			2pm Cls
2/3	51.9	51.1	(0.8)
2/5	148.6	148.0	(0.6)
2/7	211.7	211.4	(0.3)
3/5	96.7	96.9	0.2
3/7	159.8	160.3	0.5
2/10	245.6	245.0	(0.6)
3/10	193.7	193.9	0.2
5/7	63.1	63.4	0.3
5/10	97.0	97.1	0.1
2/30	324.0	322.3	(1.7)
3/30	272.1	271.2	(0.9)
5/30	175.4	174.3	(1.1)
7/10	33.9	33.6	(0.3)
7/30	112.3	110.9	(1.4)
10/30	78.4	77.3	(1.1)

	Last	Chng on Day	Prcnt Chng
Emini SP	993.75	(7.00)	-0.70
Crude Oil	70.71	(0.87)	-1.22
Gold	956.10	(2.70)	-0.28
EURUSD	143.98	(0.15)	-0.10
USDJPY	94.73	(0.55)	-0.58
DX	77.63	(0.01)	-0.02



^matrix is linked to 'Monitor'

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	24%	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	\$199			
5	\$205	\$485		
10	\$199	\$471	\$837	
30	\$205	\$487	\$865	\$1,728

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	\$199			
5	(\$6)	\$485		
10	(\$0)	\$15	\$837	
30	(\$7)	(\$1)	(\$28)	\$1,728

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	0.0%			
5	-3.0%	0.0%		
10	0.0%	3.1%	0.0%	
30	-3.3%	-0.3%	-3.3%	0.0%

Tic for Tic Matrix

	2y	5y	10y	30y
ZT	0.93	2.26	3.90	8.06
ZF	0.41	0.99	1.71	3.54
ZN	0.27	0.67	1.16	2.38
ZB	0.15	0.38	0.65	1.34

	2y	5y	10y	30y
2y		2.44	4.21	8.70
5y	0.41		1.73	3.56
10y	0.24	0.58		2.06
30y	0.11	0.28	0.48	

	ZT	ZF	ZN	ZB
ZT		2.28	3.38	6.01
ZF	0.44		1.48	2.64
ZN	0.30	0.67		1.78
ZB	0.17	0.38	0.56	

Box for Box Matrix

	2y	5y	10y	30y
ZT	0.93	2.26	7.81	16.12
ZF	0.41	0.99	3.43	7.07
ZN	0.55	1.34	1.16	2.38
ZB	0.62	0.75	1.30	1.34

	2y	5y	10y	30y
2y		2.44	2.11	4.35
5y	0.41		0.43	1.78
10y	0.47	2.32		2.06
30y	0.23	0.56	0.48	

	ZT	ZF	ZN	ZB
ZT		2.28	6.76	12.03
ZF	0.44		2.97	5.28
ZN	0.15	0.34		1.78
ZB	0.08	0.19	0.56	

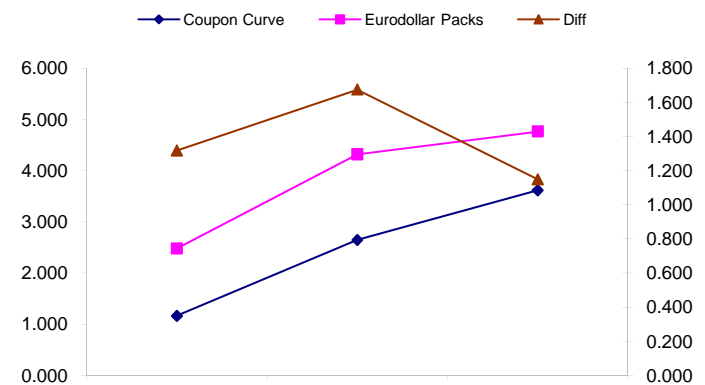
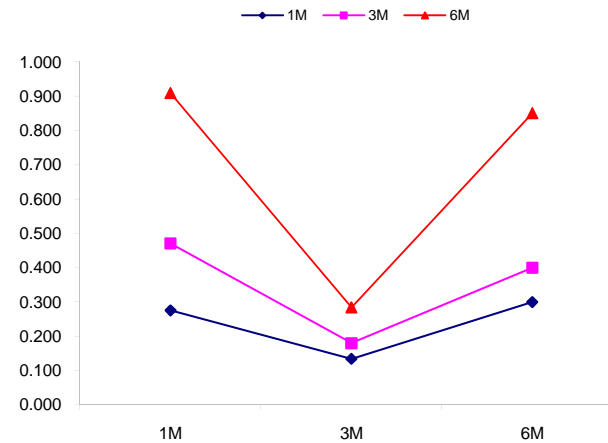
	Libor\$ ¹	Repo Rt ⁶			
0/N	0.243	#VALUE!			
1week	0.260	#VALUE!			
2week	0.270	#VALUE!			
	Libor\$ ¹	Tbill	CP ²		
1M	0.276	0.134	0.300		
3M	0.471	0.180	0.400		
6M	0.909	0.284	0.850		
	TSY	Swp	Swp Rate ⁵	ED Pks ³	TSY-ED Pk ⁴
2y	1.164	3.98	1.20	2.481	1.317
5y	2.643	3.75	2.68	4.318	1.674
10y	3.614	2.53	3.64	4.763	1.149

<u>2/5</u>	<u>Rd/Blu Pk</u>	<u>Diff</u>	
148.0	183.6	35.7	Red pack / Blue pack is a 2/5 proxy
<u>2/10</u>	<u>Rd/Gld Pk</u>	<u>Diff</u>	
245.0	228.1	-16.9	Red pack / Gold pack is a 2/10 proxy
<u>5/10</u>	<u>Blu/Gld Pk</u>	<u>Diff</u>	
97.1	44.5	-52.6	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



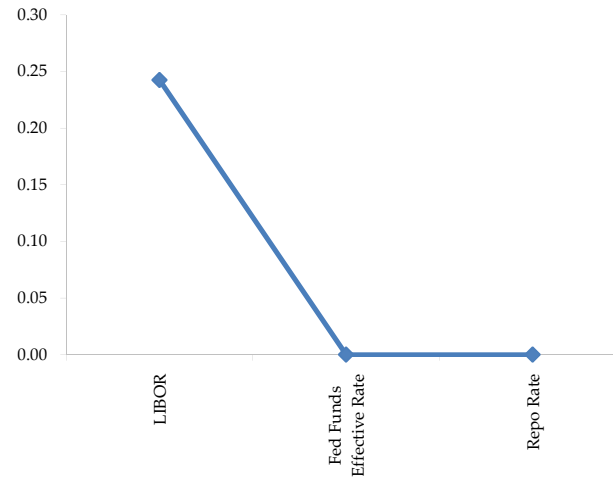
	Last	Chng	Term	Asset Type
USDLIBON	0.243	0.0106	Overnight	LIBOR
TUSFFRON	#VALUE!	#VALUE!	Overnight	Fed Funds Effective Rate
TUSRPOON	#VALUE!	#VALUE!	Overnight	Repo Rate
TEONIA01M	0.395	(0.0010)	1 month	Euribor OIS Rate
TEONIA03M	0.450	0.0000	3 month	Euribor OIS Rate
TSONIA01M	0.419	(0.0010)	1 month	Sterling OIS Rate
TSONIA03M	0.431	(0.0010)	3 month	Sterling OIS Rate
TUSOIS01M	0.188	0.0000	1 month	USD OIS Rate
TUSOIS03M	0.202	0.0000	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 to request that I take a snapshot during the day and send it to you personally.

The Fed Funds effective rate and the repo rate rarely update until after I send the morning email.

Jim's Notes:

The US Dollar Index is physically settled on the third Wednesday of the expiration month against six component currencies (euro, Japanese yen, British pound, Canadian dollar, Swedish krona and Swiss franc) in their respective percentage weights in the Index. Settlement rates may be quoted to three decimal places. [ICE]

