

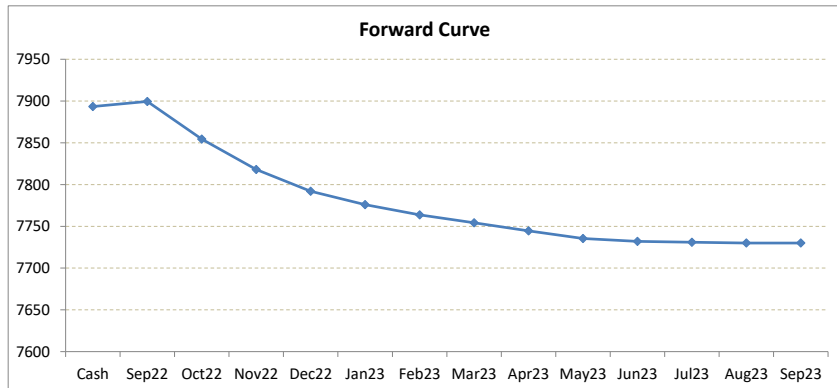
LME Valuation - Copper

Cash - 3M: **90.50b**

Date: **2022-09-14**

Cash 7893.50
3M 7803.00
 Sep22 7899.50
 Oct22 7854.50
 Nov22 7818.00
 Dec22 7792.00
 Jan23 7776.00
 Feb23 7763.75
 Mar23 7754.25
 Apr23 7744.50
 May23 7735.50
 Jun23 7732.00
 Jul23 7731.00
 Aug23 7730.00
 Sep23 7730.00

	Cash-Sep22	Cash-Oct22	Cash-Nov22	Cash-Dec22	Cash-Jan23	Cash-Feb23	Cash-Mar23	Cash-Apr23	Cash-May23	Cash-Jun23	Cash-Jul23	Cash-Aug23
Cash	6.00c	39.00b	75.50b	101.50b	117.50b	129.75b	139.25b	149.00b	158.00b	161.50b	162.50b	163.50b
	Sep22-3M	Oct22-3M	Nov22-3M	3M-Dec22	3M-Jan23	3M-Feb23	3M-Mar23	3M-Apr23	3M-May23	3M-Jun23	3M-Jul23	3M-Aug23
3M	96.50b	51.50b	15.00b	11.00b	27.00b	39.25b	48.75b	58.50b	67.50b	71.00b	72.00b	73.00b
	Sep22-Oct22	Oct22-Nov22	Nov22-Dec22	Dec22-Jan23	Jan23-Feb23	Feb23-Mar23	Mar23-Apr23	Apr23-May23	May23-Jun23	Jun23-Jul23	Jul23-Aug23	Aug23-Sep23
3rd wed	45.00b	36.50b	26.00b	16.00b	12.25b	9.50b	9.75b	9.00b	3.50b	1.00b	1.00b	0.00b
	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	Aug23	Sep23
Sep22	45.00b	81.50b	107.50b	123.50b	135.75b	145.25b	155.00b	164.00b	167.50b	168.50b	169.50b	169.50b
	Oct22	36.50b	62.50b	78.50b	90.75b	100.25b	110.00b	119.00b	122.50b	123.50b	124.50b	124.50b
		Nov22	26.00b	42.00b	54.25b	63.75b	73.50b	82.50b	86.00b	87.00b	88.00b	88.00b
			Dec22	16.00b	28.25b	37.75b	47.50b	56.50b	60.00b	61.00b	62.00b	62.00b
				Jan23	12.25b	21.75b	31.50b	40.50b	44.00b	45.00b	46.00b	46.00b
					Feb23	9.50b	19.25b	28.25b	31.75b	32.75b	33.75b	33.75b
						Mar23	9.75b	18.75b	22.25b	23.25b	24.25b	24.25b
							Apr23	9.00b	12.50b	13.50b	14.50b	14.50b
								May23	3.50b	4.50b	5.50b	5.50b
									Jun23	1.00b	2.00b	2.00b
										Jul23	1.00b	1.00b
											Aug23	0.00b
												Sep23



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** Source: Reuters

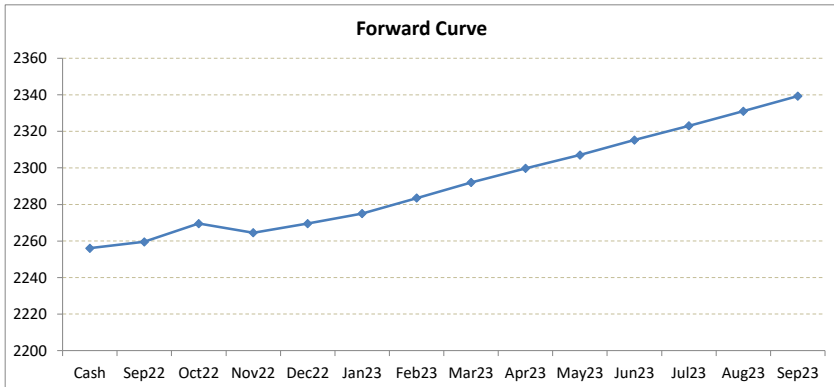
LME Valuation - Aluminium

Cash - 3M: 14.50c

Date: 2022-09-14

Cash 2256.00
3M 2270.50
 Sep22 **2259.50**
 Oct22 **2269.50**
 Nov22 **2264.50**
 Dec22 **2269.50**
 Jan23 **2275.00**
 Feb23 **2283.50**
 Mar23 **2292.00**
 Apr23 **2299.75**
 May23 **2307.00**
 Jun23 **2315.25**
 Jul23 **2323.00**
 Aug23 **2331.00**
 Sep23 **2339.25**

	Cash-Sep22	Cash-Oct22	Cash-Nov22	Cash-Dec22	Cash-Jan23	Cash-Feb23	Cash-Mar23	Cash-Apr23	Cash-May23	Cash-Jun23	Cash-Jul23	Cash-Aug23
Cash	3.50c	13.50c	8.50c	13.50c	19.00c	27.50c	36.00c	43.75c	51.00c	59.25c	67.00c	75.00c
	Sep22-3M	Oct22-3M	Nov22-3M	3M-Dec22	3M-Jan23	3M-Feb23	3M-Mar23	3M-Apr23	3M-May23	3M-Jun23	3M-Jul23	3M-Aug23
3M	11.00c	1.00c	6.00c	1.00b	4.50c	13.00c	21.50c	29.25c	36.50c	44.75c	52.50c	60.50c
	Sep22-Oct22	Oct22-Nov22	Nov22-Dec22	Dec22-Jan23	Jan23-Feb23	Feb23-Mar23	Mar23-Apr23	Apr23-May23	May23-Jun23	Jun23-Jul23	Jul23-Aug23	Aug23-Sep23
3rd wed	10.00c	5.00b	5.00c	5.50c	8.50c	8.50c	7.75c	7.25c	8.25c	7.75c	8.00c	8.25c
	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	Aug23	Sep23
Sep22	10.00c	5.00c	10.00c	15.50c	24.00c	32.50c	40.25c	47.50c	55.75c	63.50c	71.50c	79.75c
	Oct22	5.00b	0.00b	5.50c	14.00c	22.50c	30.25c	37.50c	45.75c	53.50c	61.50c	69.75c
		Nov22	5.00c	10.50c	19.00c	27.50c	35.25c	42.50c	50.75c	58.50c	66.50c	74.75c
			Dec22	5.50c	14.00c	22.50c	30.25c	37.50c	45.75c	53.50c	61.50c	69.75c
				Jan23	8.50c	17.00c	24.75c	32.00c	40.25c	48.00c	56.00c	64.25c
					Feb23	8.50c	16.25c	23.50c	31.75c	39.50c	47.50c	55.75c
						Mar23	7.75c	15.00c	23.25c	31.00c	39.00c	47.25c
							Apr23	7.25c	15.50c	23.25c	31.25c	39.50c
								May23	8.25c	16.00c	24.00c	32.25c
									Jun23	7.75c	15.75c	24.00c
										Jul23	8.00c	16.25c
											Aug23	8.25c
												Sep23



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 ** Source: Reuters

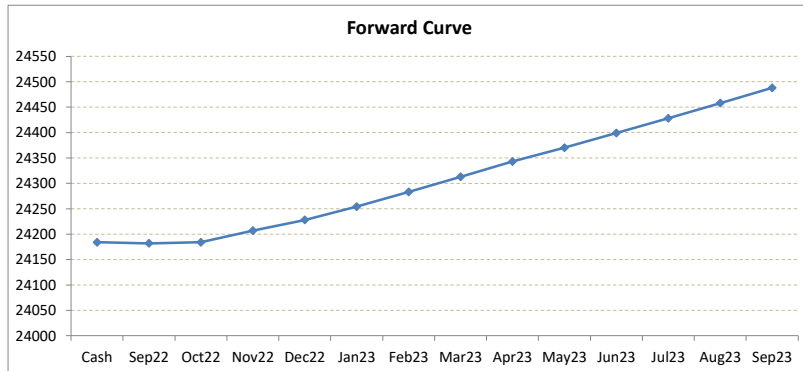
LME Valuation - Nickel

Cash - 3M: 33.00c

Date: 2022-09-14

Cash 24184.00
3M 24217.00
 Sep22 **24182.00**
 Oct22 **24184.00**
 Nov22 **24207.00**
 Dec22 **24228.00**
 Jan23 **24254.00**
 Feb23 **24283.00**
 Mar23 **24313.00**
 Apr23 **24343.00**
 May23 **24370.00**
 Jun23 **24399.00**
 Jul23 **24428.00**
 Aug23 **24458.00**
 Sep23 **24488.00**

	Cash-Sep22	Cash-Oct22	Cash-Nov22	Cash-Dec22	Cash-Jan23	Cash-Feb23	Cash-Mar23	Cash-Apr23	Cash-May23	Cash-Jun23	Cash-Jul23	Cash-Aug23
Cash	2.00b	0.00b	23.00c	44.00c	70.00c	99.00c	129.00c	159.00c	186.00c	215.00c	244.00c	274.00c
	Sep22-3M	Oct22-3M	Nov22-3M	3M-Dec22	3M-Jan23	3M-Feb23	3M-Mar23	3M-Apr23	3M-May23	3M-Jun23	3M-Jul23	3M-Aug23
3M	35.00c	33.00c	10.00c	11.00c	37.00c	66.00c	96.00c	126.00c	153.00c	182.00c	211.00c	241.00c
	Sep22-Oct22	Oct22-Nov22	Nov22-Dec22	Dec22-Jan23	Jan23-Feb23	Feb23-Mar23	Mar23-Apr23	Apr23-May23	May23-Jun23	Jun23-Jul23	Jul23-Aug23	Aug23-Sep23
3rd wed	2.00c	23.00c	21.00c	26.00c	29.00c	30.00c	30.00c	27.00c	29.00c	29.00c	30.00c	30.00c
	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	Aug23	Sep23
Sep22	2.00c	25.00c	46.00c	72.00c	101.00c	131.00c	161.00c	188.00c	217.00c	246.00c	276.00c	306.00c
Jun23	Oct22	23.00c	44.00c	70.00c	99.00c	129.00c	159.00c	186.00c	215.00c	244.00c	274.00c	304.00c
Jul23		Nov22	21.00c	47.00c	76.00c	106.00c	136.00c	163.00c	192.00c	221.00c	251.00c	281.00c
Aug23			Dec22	26.00c	55.00c	85.00c	115.00c	142.00c	171.00c	200.00c	230.00c	260.00c
Sep23				Jan23	29.00c	59.00c	89.00c	116.00c	145.00c	174.00c	204.00c	234.00c
					Feb23	30.00c	60.00c	87.00c	116.00c	145.00c	175.00c	205.00c
						Mar23	30.00c	57.00c	86.00c	115.00c	145.00c	175.00c
							Apr23	27.00c	56.00c	85.00c	115.00c	145.00c
								May23	29.00c	58.00c	88.00c	118.00c
									Jun23	29.00c	59.00c	89.00c
										Jul23	30.00c	60.00c
											Aug23	30.00c
												Sep23



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** Source: Reuters

LME Valuation - Zinc

Cash - 3M: **24.25b**

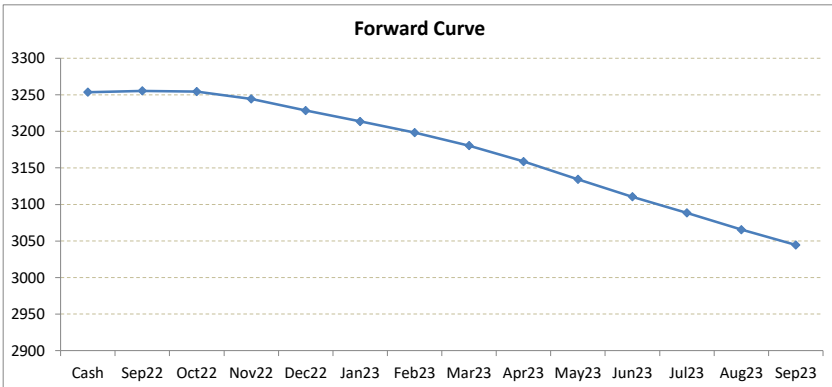
Date: **2022-09-14**

	Cash-Sep22	Cash-Oct22	Cash-Nov22	Cash-Dec22	Cash-Jan23	Cash-Feb23	Cash-Mar23	Cash-Apr23	Cash-May23	Cash-Jun23	Cash-Jul23	Cash-Aug23
Cash	3253.75											
3M	3229.50											
Sep22	3255.50											
Oct22	3254.50											
Nov22	3244.50											
Dec22	3228.50											
Jan23	3213.50											
Feb23	3198.25											
Mar23	3180.50											
Apr23	3158.75											
May23	3134.50											
Jun23	3110.50											
Jul23	3088.50											
Aug23	3065.50											
Sep23	3044.50											

	Sep22-3M	Oct22-3M	Nov22-3M	3M-Dec22	3M-Jan23	3M-Feb23	3M-Mar23	3M-Apr23	3M-May23	3M-Jun23	3M-Jul23	3M-Aug23
Cash	1.75c	0.75c	9.25b	25.25b	40.25b	55.50b	73.25b	95.00b	119.25b	143.25b	165.25b	188.25b
3M	26.00b	25.00b	15.00b	1.00b	16.00b	31.25b	49.00b	70.75b	95.00b	119.00b	141.00b	164.00b

	Sep22-Oct22	Oct22-Nov22	Nov22-Dec22	Dec22-Jan23	Jan23-Feb23	Feb23-Mar23	Mar23-Apr23	Apr23-May23	May23-Jun23	Jun23-Jul23	Jul23-Aug23	Aug23-Sep23
3rd wed	1.00b	10.00b	16.00b	15.00b	15.25b	17.75b	21.75b	24.25b	24.00b	22.00b	23.00b	21.00b

	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	Aug23	Sep23
Sep22	1.00b	11.00b	27.00b	42.00b	57.25b	75.00b	96.75b	121.00b	145.00b	167.00b	190.00b	211.00b
Oct22		10.00b	26.00b	41.00b	56.25b	74.00b	95.75b	120.00b	144.00b	166.00b	189.00b	210.00b
Nov22			16.00b	31.00b	46.25b	64.00b	85.75b	110.00b	134.00b	156.00b	179.00b	200.00b
Dec22				15.00b	30.25b	48.00b	69.75b	94.00b	118.00b	140.00b	163.00b	184.00b
Jan23					15.25b	33.00b	54.75b	79.00b	103.00b	125.00b	148.00b	169.00b
Feb23						17.75b	39.50b	63.75b	87.75b	109.75b	132.75b	153.75b
Mar23							21.75b	46.00b	70.00b	92.00b	115.00b	136.00b
Apr23								24.25b	48.25b	70.25b	93.25b	114.25b
May23									24.00b	46.00b	69.00b	90.00b
Jun23										22.00b	45.00b	66.00b
Jul23											23.00b	44.00b
Aug23												21.00b
Sep23												



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 ** Source: Reuters

LME Valuation - Lead

Cash - 3M: 7.75c

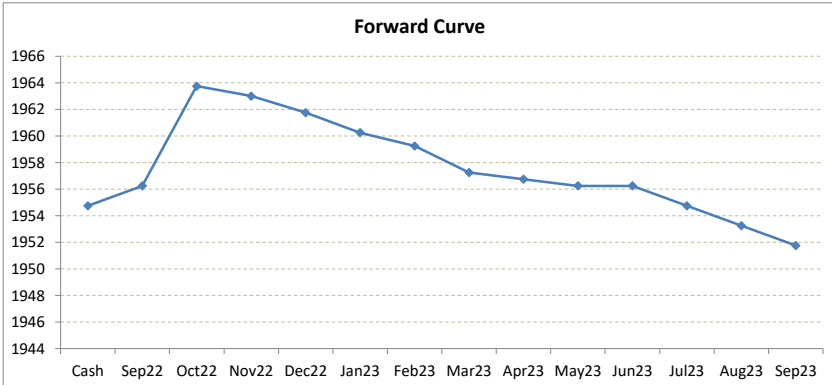
Date: 2022-09-14

	Cash-Sep22	Cash-Oct22	Cash-Nov22	Cash-Dec22	Cash-Jan23	Cash-Feb23	Cash-Mar23	Cash-Apr23	Cash-May23	Cash-Jun23	Cash-Jul23	Cash-Aug23
Cash	1954.75											
3M	1962.50											
Sep22	1956.25											
Oct22	1963.75											
Nov22	1963.00											
Dec22	1961.75											
Jan23	1960.25											
Feb23	1959.25											
Mar23	1957.25											
Apr23	1956.75											
May23	1956.25											
Jun23	1956.25											
Jul23	1954.75											
Aug23	1953.25											
Sep23	1951.75											

	Sep22-3M	Oct22-3M	Nov22-3M	3M-Dec22	3M-Jan23	3M-Feb23	3M-Mar23	3M-Apr23	3M-May23	3M-Jun23	3M-Jul23	3M-Aug23
Cash	1.50c	9.00c	8.25c	7.00c	5.50c	4.50c	2.50c	2.00c	1.50c	1.50c	0.00b	1.50b
3M	6.25c	1.25b	0.50b	0.75b	2.25b	3.25b	5.25b	5.75b	6.25b	6.25b	7.75b	9.25b

	Sep22-Oct22	Oct22-Nov22	Nov22-Dec22	Dec22-Jan23	Jan23-Feb23	Feb23-Mar23	Mar23-Apr23	Apr23-May23	May23-Jun23	Jun23-Jul23	Jul23-Aug23	Aug23-Sep23
3rd wed	7.50c	0.75b	1.25b	1.50b	1.00b	2.00b	0.50b	0.50b	0.00b	1.50b	1.50b	1.50b

	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	Aug23	Sep23
Sep22	7.50c	6.75c	5.50c	4.00c	3.00c	1.00c	0.50c	0.00b	0.00b	1.50b	3.00b	4.50b
Oct22		0.75b	2.00b	3.50b	4.50b	6.50b	7.00b	7.50b	7.50b	9.00b	10.50b	12.00b
Nov22			1.25b	2.75b	3.75b	5.75b	6.25b	6.75b	6.75b	8.25b	9.75b	11.25b
Dec22				1.50b	2.50b	4.50b	5.00b	5.50b	5.50b	7.00b	8.50b	10.00b
Jan23					1.00b	3.00b	3.50b	4.00b	4.00b	5.50b	7.00b	8.50b
Feb23						2.00b	2.50b	3.00b	3.00b	4.50b	6.00b	7.50b
Mar23							0.50b	1.00b	1.00b	2.50b	4.00b	5.50b
Apr23								0.50b	0.50b	2.00b	3.50b	5.00b
May23									0.00b	1.50b	3.00b	4.50b
Jun23										1.50b	3.00b	4.50b
Jul23											1.50b	3.00b
Aug23												1.50b
Sep23												



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 ** Source: Reuters

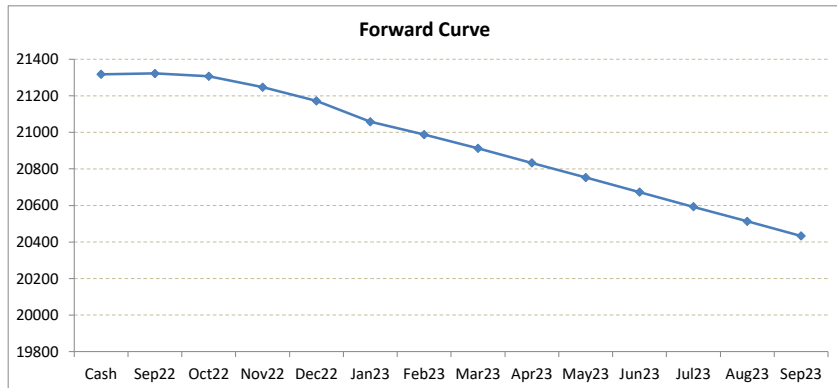
LME Valuation - Tin

Cash - 3M: **141.00b**

Date: **2022-09-14**

Cash 21318.00
3M 21177.00
 Sep22 **21322.00**
 Oct22 **21307.00**
 Nov22 **21247.00**
 Dec22 **21172.00**
 Jan23 **21058.00**
 Feb23 **20988.00**
 Mar23 **20913.00**
 Apr23 **20833.00**
 May23 **20753.00**
 Jun23 **20673.00**
 Jul23 **20593.00**
 Aug23 **20513.00**
 Sep23 **20433.00**

	Cash-Sep22	Cash-Oct22	Cash-Nov22	Cash-Dec22	Cash-Jan23	Cash-Feb23	Cash-Mar23	Cash-Apr23	Cash-May23	Cash-Jun23	Cash-Jul23	Cash-Aug23
Cash	4.00c	11.00b	71.00b	146.00b	260.00b	330.00b	405.00b	485.00b	565.00b	645.00b	725.00b	805.00b
	Sep22-3M	Oct22-3M	Nov22-3M	3M-Dec22	3M-Jan23	3M-Feb23	3M-Mar23	3M-Apr23	3M-May23	3M-Jun23	3M-Jul23	3M-Aug23
3M	145.00b	130.00b	70.00b	5.00b	119.00b	189.00b	264.00b	344.00b	424.00b	504.00b	584.00b	664.00b
	Sep22-Oct22	Oct22-Nov22	Nov22-Dec22	Dec22-Jan23	Jan23-Feb23	Feb23-Mar23	Mar23-Apr23	Apr23-May23	May23-Jun23	Jun23-Jul23	Jul23-Aug23	Aug23-Sep23
3rd wed	15.00b	60.00b	75.00b	114.00b	70.00b	75.00b	80.00b	80.00b	80.00b	80.00b	80.00b	80.00b
	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	Aug23	Sep23
Sep22	15.00b	75.00b	150.00b	264.00b	334.00b	409.00b	489.00b	569.00b	649.00b	729.00b	809.00b	889.00b
	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	Aug23	Sep23
Sep22	60.00b	135.00b	249.00b	319.00b	394.00b	474.00b	554.00b	634.00b	714.00b	794.00b	874.00b	
	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	Aug23	Sep23	
Sep22	75.00b	189.00b	259.00b	334.00b	414.00b	494.00b	574.00b	654.00b	734.00b	814.00b		
	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	Aug23	Sep23		
Sep22	114.00b	184.00b	259.00b	339.00b	419.00b	499.00b	579.00b	659.00b	739.00b	819.00b		
	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	Aug23	Sep23			
Sep22	70.00b	145.00b	225.00b	305.00b	385.00b	465.00b	545.00b	625.00b	705.00b	785.00b		
	Feb23	Mar23	Apr23	May23	Jun23	Jul23	Aug23	Sep23				
Sep22	75.00b	155.00b	235.00b	315.00b	395.00b	475.00b	555.00b	635.00b	715.00b	795.00b		
	Mar23	Apr23	May23	Jun23	Jul23	Aug23	Sep23					
Sep22	80.00b	160.00b	240.00b	320.00b	400.00b	480.00b	560.00b	640.00b	720.00b	800.00b		
	Apr23	May23	Jun23	Jul23	Aug23	Sep23						
Sep22	80.00b	160.00b	240.00b	320.00b	400.00b	480.00b	560.00b	640.00b	720.00b	800.00b		
	May23	Jun23	Jul23	Aug23	Sep23							
Sep22	80.00b	160.00b	240.00b	320.00b	400.00b	480.00b	560.00b	640.00b	720.00b	800.00b		
	Jun23	Jul23	Aug23	Sep23								
Sep22	80.00b	160.00b	240.00b	320.00b	400.00b	480.00b	560.00b	640.00b	720.00b	800.00b		
	Jul23	Aug23	Sep23									
Sep22	80.00b	160.00b	240.00b	320.00b	400.00b	480.00b	560.00b	640.00b	720.00b	800.00b		
	Aug23	Sep23										
Sep22	80.00b	160.00b	240.00b	320.00b	400.00b	480.00b	560.00b	640.00b	720.00b	800.00b		
	Sep23											



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 ** Source: Reuters

