

Shading Key:

 	52 week high (green = 1), low (red = 0) or shaded in-between
%	2 standard deviation move up (5%)
%	1 standard deviation move up (33%)
%	1 standard deviation move down (33%)
%	2 standard deviation move down (5%)

These estimates are based upon the last 256 daily moves of each instrument

		Closing prices	52	Movement for the period				Q1 2023	Q4 2022	2022	2021	2020
		19-Apr-23	wk	Day	Week	Month	YTD					
Interest Rates												
Central Bank Bills												
Change to today's price												
from closing prices of prior period												
28 days	C-bill auctions on Wednesday;	2.29%		0.00%	0.06%	0.40%	0.33%	0.18%	0.29%	1.96%	1.29%	1.33%
60 days	reported Thursday/Friday	2.55%		0.00%	0.05%	0.23%	0.07%	-0.02%	0.37%	2.48%	1.99%	2.07%
90 days		2.67%	0.00	0.00%	0.06%	0.28%	-0.05%	-0.20%	0.65%	2.72%	1.95%	2.04%
Treasury Bills												
182 days	Tbill auctions are irregular Wednesdays	2.07%	0.60	0.07%	0.07%	0.08%	-0.62%	-0.70%	1.48%	2.69%	4.29%	4.41%
273 days		2.25%	0.00	0.08%	0.08%	0.10%	-0.70%	-0.81%	0.29%	2.95%	5.95%	6.04%
364 days	reported Thursday/Friday	3.06%		0.05%	0.05%	0.25%	-1.21%	-1.32%	0.28%	4.27%	7.04%	7.20%
Government Inscribed Stock												
GIS 2Y 2022-24	GIS auctions usually monthly	4.20%		0.00%	0.00%	0.00%	0.00%	0.00%	-0.17%	4.20%	8.50%	8.04%
GIS 4Y 2022-26	reported Thursday/Friday	5.16%		0.00%	0.00%	0.00%	0.00%	0.00%	0.08%	5.16%	9.84%	9.84%
GIS 5Y 2022-27		5.24%		0.00%	0.00%	0.00%	0.00%	0.00%	-0.02%	5.24%	9.70%	9.86%
GIS 7Y 2022-29		5.56%		0.00%	0.00%	0.00%	0.00%	0.00%	-0.35%	5.56%	9.80%	10.02%
GIS 8Y 2022-30		5.44%		0.00%	0.00%	0.00%	0.00%	0.00%	-0.74%	5.44%	-	-
GIS 9Y 2022-31		5.44%		0.00%	0.00%	0.00%	0.00%	0.00%	-0.96%	5.44%	9.90%	11.82%
GIS 10Y 2022-32		5.44%		0.00%	0.00%	0.00%	0.00%	0.00%	-0.91%	5.44%	9.90%	12.53%
Kina Facility Rate												
		3.50%	1.00	0.00%	0.00%	0.00%	0.25%	0.25%	0.25%	3.25%	3.00%	3.00%
Ten year Government Bond yields												
United States		3.59%	0.61	0.02%	0.20%	0.16%	-0.28%	-0.41%	0.05%	3.87%	1.51%	0.91%
United Kingdom		3.86%	0.77	0.11%	0.29%	0.41%	0.18%	-0.18%	-0.42%	3.67%	0.97%	0.20%
Australia		3.51%	0.44	0.04%	0.27%	0.15%	-0.54%	-0.75%	0.17%	4.05%	1.67%	0.97%
New Zealand		4.29%	0.70	0.04%	0.28%	0.09%	-0.18%	-0.28%	0.17%	4.47%	2.39%	0.99%
France		3.06%	0.91	0.04%	0.12%	0.22%	-0.05%	-0.32%	0.40%	3.12%	0.20%	-0.34%
Japan		0.48%	0.88	0.01%	0.01%	0.16%	0.06%	-0.07%	0.18%	0.42%	0.07%	0.02%
Australia												
	RBA Cash Rate	3.60%		0.00%	0.00%	0.00%	0.50%	0.50%	0.75%	3.10%	0.10%	0.10%
PNG CPI Index												
	Latest 12 mth % change	6.30%						0.60%	0.00%	5.70%	4.60%	3.10%
Currencies												
Percentage changes												
PGK/USD		0.2840		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.35%	0.00%	-2.90%
PGK/AUD		0.4221	0.48	-0.21%	-0.96%	-0.54%	0.74%	1.03%	-4.08%	6.67%	6.19%	-11.68%
PGK/GBP		0.2283	0.11	-0.17%	0.00%	-1.72%	-3.14%	-2.67%	-7.68%	11.60%	1.00%	-6.57%
PGK/NZD		0.4579	0.03	-0.02%	-0.17%	0.04%	2.00%	0.74%	-9.48%	7.55%	5.78%	-9.52%
PGK/JPY		38.210	0.33	0.53%	0.50%	1.60%	1.49%	0.27%	-8.26%	14.75%	11.64%	-7.87%
USD/AUD		0.6730	0.48	0.24%	0.98%	0.55%	-0.71%	-1.00%	4.23%	-6.60%	-5.83%	9.94%
USD/JPY		134.520	0.33	0.50%	0.49%	1.59%	1.49%	0.27%	-8.28%	15.13%	11.63%	-5.12%
USD/EUR		1.0969	0.93	-0.20%	0.34%	1.84%	3.00%	2.28%	8.41%	-5.83%	-8.00%	9.68%
USD/GBP		1.2440	0.84	0.17%	0.00%	1.76%	3.25%	2.76%	8.29%	-10.71%	-0.98%	3.90%
Equity Indices												
Papua New Guinea												
Percentage changes												
KSI Index		6,250.00	0.65	0.12%	0.12%	-0.42%	-0.44%	0.14%	-0.03%	7.10%	-3.09%	-3.42%
KSI Home Index		16,147.21	1.00	0.00%	0.00%	6.64%	6.79%	5.90%	-1.25%	5.07%	8.11%	1.50%
Australia												
All Ordinaries		7,561.27	0.82	0.05%	0.30%	5.01%	4.70%	2.10%	8.13%	-7.17%	13.55%	0.71%
S&P/ASX 100		6,178.02	0.83	0.09%	0.28%	4.85%	4.61%	1.97%	8.64%	-3.95%	13.28%	-2.06%
S&P/ASX 20		4,136.90	0.78	0.11%	0.02%	4.51%	3.84%	1.71%	9.26%	-1.83%	12.14%	-1.49%
S&P/ASX 50		7,215.50	0.84	0.10%	0.14%	4.73%	4.88%	2.46%	8.95%	-3.01%	12.37%	-4.86%
S&P/ASX 50 Accumulation		91,350.70	0.95	0.10%	0.14%	4.73%	6.51%	4.05%	9.66%	1.89%	17.00%	-1.94%
S&P/ASX Midcap 50		9,137.60	0.74	0.01%	1.20%	5.66%	2.82%	-1.15%	6.69%	-9.00%	18.46%	14.48%
S&P/ASX Small Ordinaries		2,903.90	0.42	-0.19%	0.27%	6.26%	3.78%	0.90%	6.98%	-20.72%	14.24%	6.62%
S&P/ASX 200		7,365.54	0.83	0.07%	0.30%	4.99%	4.64%	1.98%	8.72%	-5.45%	13.02%	-1.45%
S&P/ASX 200 Accumulation		90,459.62	0.93	0.08%	0.31%	5.03%	6.19%	3.46%	9.40%	-1.08%	17.23%	1.40%
S&P/ASX 300		7,319.36	0.81	0.06%	0.28%	5.00%	4.52%	1.86%	8.46%	-6.05%	13.38%	-1.10%
S&P/ASX 200 Energy		10,641.20	0.45	-0.32%	-1.16%	3.12%	-3.59%	-5.27%	7.61%	39.71%	-1.97%	-29.93%
S&P/ASX 200 Materials		18,990.70	0.91	1.10%	1.73%	9.18%	8.26%	5.51%	15.04%	4.79%	6.84%	13.37%
S&P/ASX 200 Industrials		6,812.60	0.97	-0.34%	0.40%	4.53%	9.27%	5.79%	6.49%	-6.18%	11.24%	-14.10%
S&P/ASX 200 Consumer Discretionary		3,049.30	0.91	-1.14%	-1.23%	2.79%	11.68%	9.87%	3.92%	-22.65%	21.31%	8.63%
S&P/ASX 200 Consumer Staples		13,522.60	0.72	-0.13%	-1.97%	3.36%	7.81%	6.13%	1.65%	-7.39%	7.13%	3.57%
S&P/ASX 200 Healthcare		44,110.90	0.91	-0.18%	-1.32%	4.21%	6.59%	3.05%	1.83%	-8.41%	7.98%	2.97%
S&P/ASX 200 Financials		6,296.10	0.58	-0.05%	0.64%	3.26%	-0.98%	-3.59%	9.49%	-2.72%	20.20%	-9.00%
S&P/ASX 200 Information Technology		1,571.20	0.74	-0.40%	0.88%	5.76%	11.79%	7.55%	2.46%	-34.25%	-2.79%	56.35%
S&P/ASX 200 Telecommunication Services		1,547.30	0.96	-0.12%	0.05%	4.02%	9.65%	7.44%	4.39%	-13.43%	28.46%	0.91%
S&P/ASX 200 Utilities		8,568.80	0.97	0.10%	0.35%	6.80%	3.09%	0.70%	26.77%	24.19%	4.56%	-21.52%
S&P/ASX 200 A-REIT		1,366.90	0.38	-0.52%	0.46%	2.96%	2.51%	-0.16%	9.74%	-24.00%	21.61%	-7.99%
S&P/ASX 200 Financial-x-A-REIT		7,022.30	0.58	-0.05%	0.64%	3.26%	-0.98%	-3.59%	9.49%	-2.72%	20.20%	-8.99%
North American												
DJIA		33,897.01	0.88	-0.23%	0.74%	5.83%	2.26%	0.38%	15.39%	-8.78%	18.73%	7.25%
S&P 500		4,154.52	0.79	-0.01%	1.53%	5.53%	8.20%	7.03%	7.08%	-19.44%	26.89%	16.26%
NASDAQ		12,157.23	0.67	0.03%	1.91%	4.18%	16.15%	16.77%	-1.03%	-33.10%	21.39%	43.64%
Toronto S&P/TSX		20,680.83	0.83	-0.02%	1.11%	5.88%	6.69%	3.69%	5.10%	-8.66%	21.74%	2.17%
Europe												
FTSE		7,898.77	0.90	-0.13%	0.94%	4.39%	6.00%	2.42%	8.09%	0.91%	14.30%	-14.34%
DAX		15,895.20	1.00	0.08%	1.22%	4.46%	14.16%	12.25%	14.93%	-12.35%	15.79%	3.55%
CAC 40		7,549.44	1.00	0.21%	2.06%	5.87%	16.62%	13.11%	12.35%	-9.50%	28.85%	-7.14%
Asia												
Nikkei		28,606.76	0.82	-0.18%	1.87%	4.15%	9.63%	7.46%	0.61%	-9.37%	4.91%	16.01%
Hang Seng		20,367.76	0.71	-1.37%	0.29%	3.96%	2.96%	3.13%	14.86%	-15.46%	-14.08%	-3.40%
Shanghai		3,370.13	0.93	-0.68%	1.29%	3.20%	9.09%	5.94%	2.14%	-15.13%	4.80%	13.87%
Sensex		59,567.80	0.69	-0.27%	-1.37%	2.32%	-2.09%	-3.04%	5.94%	4.44%	21.99%	15.75%

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Shading Key:

	52 week high (green = 1), low (red = 0) or shaded in-between
	2 standard deviation move up (5%)
	1 standard deviation move up (33%)
	1 standard deviation move down (33%)
	2 standard deviation move down (5%)

These estimates are based upon the last 256 daily moves of each instrument

20-Apr-23

	19-Apr-23	52 wk	Movement for the period				YTD	Q1 2023	Q4 2022	2022	2021	2020
			Day	Week	Month	YTD						
Indices												
MSCI World USD Index	2,833.39	0.91	-0.09%	1.36%	5.48%	8.86%	7.25%	9.42%	-19.46%	20.14%	14.06%	
MSCI World Net TR USD Index	8,738.80	0.99	-0.09%	1.38%	5.67%	9.43%	7.73%	9.77%	-18.14%	21.82%	15.90%	
MSCI ACWI-ex-Australia TR AUD Index	14,677.57	0.99	0.09%	0.89%	3.52%	10.47%	9.20%	3.95%	-12.52%	29.58%	5.73%	
MSCI ACWI Net TR USD Index	345.63	0.99	-0.19%	1.19%	5.40%	8.82%	7.31%	9.76%	-18.36%	18.54%	16.25%	
MSCI ACWI Minimum Volatility USD	2,180.85	0.73	-0.29%	0.26%	5.08%	3.01%	1.01%	8.15%	-12.04%	11.95%	0.56%	
MSCI EM Asia Net TR USD Index	589.88	0.74	-1.00%	-0.32%	2.34%	4.10%	4.81%	10.83%	-21.11%	-5.08%	28.38%	
MSCI EM Net TR USD Index	505.82	0.72	-1.01%	-0.30%	3.22%	4.06%	3.96%	9.70%	-20.09%	-2.54%	18.31%	
VIX Volatility S&P500	16.46	0.00	-2.20%	-13.78%	-26.06%	-24.04%	-13.71%	-31.47%	25.84%	-24.31%	65.09%	
Commodities												
Light Crude WTI Futures	US\$/bbl	79.16	0.22	-2.10%	-4.92%	11.65%	-1.37%	-5.72%	0.97%	6.11%	55.89%	-20.54%
Brent Crude	US\$/bbl	83.12	0.20	-1.95%	-4.82%	8.38%	-3.25%	-7.15%	-2.33%	9.89%	50.93%	-21.52%
Gold	US\$/oz	2,007.30	0.89	-0.61%	-0.87%	2.07%	9.92%	8.76%	9.22%	-0.31%	-3.34%	24.42%
Silver	US\$/oz	25.59	0.96	1.29%	0.52%	12.31%	6.45%	0.48%	26.27%	2.67%	-11.35%	47.38%
Copper	US\$/lb	4.08	0.65	-0.38%	0.00%	0.90%	7.10%	7.45%	11.66%	-14.77%	27.05%	25.81%
Iron Ore	US\$/mt	117.97	0.68	1.43%	-0.30%	-0.62%	8.60%	11.66%	13.77%	-3.57%	-27.05%	81.97%
Malaysian Palm Oil* RM/tn		4,097	0.21	-1.04%	-1.75%	6.83%	-1.77%	-2.71%	25.37%	-19.15%	32.59%	27.95%
LNG *Jap/Korea	US\$/mmBtu	12.25	0.09	-4.71%	-3.01%	-3.13%	-58.51%	-54.21%	-23.78%	-3.21%	113.25%	169.81%
ICCO Cocoa	US\$/mt	3,079	1.00	0.82%	4.23%	7.13%	18.42%	12.81%	10.45%	3.17%	-3.19%	2.48%
ICO Coffee	US cents/lb	203	0.59	-1.32%	6.47%	13.79%	21.07%	1.91%	-24.49%	-26.01%	76.30%	-1.12%
Equities												
Domestic												
				Percentage changes								
Arbitrage	PGK	PNGX										
Bank South Pacific	11.51	12.80	0.78	1.43%	1.43%	2.24%	3.14%	3.14%	0.00%	1.31%	2.08%	1.87%
Credit Corporation		2.00	1.00	0.00%	0.00%	4.71%	8.11%	8.11%	0.00%	10.12%	-1.18%	6.25%
City Pharmacy		0.95	0.40	0.00%	0.00%	11.76%	5.56%	5.56%	-5.26%	-5.26%	90.00%	-38.27%
Kina Asset Management Limited		0.95	0.00	0.00%	0.00%	18.75%	0.00%	-15.79%	0.00%	-4.04%	10.00%	-5.26%
Kina Securities Limited	1.80	2.48	0.00	0.00%	0.00%	-0.80%	-9.82%	-9.09%	-5.17%	-6.78%	-1.67%	-10.98%
Steamship Trading Company	21.49	35.46	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Santos Limited	16.87	19.10	0.98	0.10%	0.10%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Australia												
A2 Milk Company Limited		5.96	0.63	1.02%	3.11%	0.68%	-13.37%	-15.55%	27.41%	26.01%	-52.31%	-19.93%
ANZ Banking Group Limited		24.14	0.45	-0.25%	2.24%	5.65%	1.47%	-3.61%	4.34%	-13.52%	21.19%	-7.84%
BSP Financial Group		4.86	0.39	0.41%	2.32%	-0.61%	-0.82%	-0.41%	-2.00%	14.75%	-17.88%	
BHP Billiton Limited		47.27	0.81	1.48%	0.92%	7.82%	3.59%	3.51%	18.46%	9.95%	-2.19%	9.02%
Boral Limited		3.85	0.92	-1.79%	2.12%	10.63%	33.22%	21.80%	8.24%	-52.62%	23.23%	10.49%
Bougainville Copper Limited		0.33	0.16	0.00%	-1.52%	-7.14%	-7.14%	-5.71%	25.00%	14.75%	5.17%	-10.77%
Bank of Queensland		6.29	0.00	-0.16%	-3.23%	-4.26%	-8.84%	-5.94%	5.99%	-14.71%	4.52%	6.76%
Brambles Limited		13.91	0.98	-0.57%	0.29%	5.22%	15.24%	11.27%	5.78%	13.55%	0.28%	-9.56%
Commonwealth Bank of Australia		99.37	0.51	-0.03%	0.14%	2.30%	-3.15%	-4.17%	13.12%	1.58%	23.01%	2.77%
CSL		299.70	0.76	-0.18%	-1.38%	4.24%	4.15%	0.19%	0.96%	-1.02%	2.66%	2.69%
Fortescue Mining		22.62	0.92	0.18%	0.31%	7.56%	10.29%	9.65%	21.94%	6.77%	-18.01%	119.18%
Horizon Oil Ltd		0.16	0.69	0.00%	-11.11%	-3.03%	23.08%	30.77%	-11.86%	41.30%	48.39%	-48.33%
Kina Securities Ltd		0.76	0.20	2.01%	5.56%	6.29%	-1.94%	-3.87%	-8.82%	-9.36%	-5.00%	-39.60%
Kina Petroleum Ltd		0.06	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Macquarie Group Ltd		180.29	0.51	0.03%	0.38%	3.56%	7.98%	5.21%	9.31%	-18.71%	48.32%	0.46%
Mirvac Group		2.26	0.68	-0.44%	1.80%	9.71%	6.10%	-2.35%	9.51%	-26.80%	10.23%	-16.98%
National Australia Bank		28.61	0.37	-0.52%	1.78%	2.00%	-4.82%	-7.78%	4.34%	4.23%	27.61%	-8.24%
Newcrest Mining Limited		29.15	0.94	-0.27%	-1.72%	14.13%	41.23%	30.09%	21.99%	-15.69%	-5.04%	-14.78%
Origin Energy Ltd		8.27	0.97	-0.36%	-0.24%	4.16%	7.12%	7.38%	49.32%	47.33%	10.08%	-43.67%
Pilbara Minerals Ltd		4.09	0.59	3.28%	15.54%	13.61%	9.07%	5.07%	-17.76%	17.19%	267.82%	210.71%
Qbe Insurance Group Ltd		14.89	0.89	0.54%	-0.80%	4.20%	10.87%	8.64%	16.48%	18.33%	33.06%	-33.77%
Rio Tinto Limited		123.19	0.87	1.11%	1.18%	6.70%	5.82%	3.20%	24.65%	16.28%	-12.05%	13.38%
ResMed Inc		32.95	0.66	-1.23%	-1.52%	2.90%	6.43%	4.62%	-8.48%	-13.47%	31.40%	24.34%
Santos Limited		7.12	0.19	-0.84%	-1.39%	1.86%	-0.28%	-3.36%	0.71%	13.15%	0.64%	-23.35%
Steamship Trading Company		9.07	0.00	0.00%	0.00%	0.00%	-13.62%	-13.62%	3.96%	5.00%	1.52%	-21.20%
Suncorp Metway Limited		12.39	0.79	0.24%	-0.48%	3.51%	2.91%	0.58%	20.04%	8.76%	13.66%	-24.85%
Transurban Group		14.74	0.98	-0.14%	-0.07%	3.73%	13.56%	9.48%	5.19%	-6.08%	1.17%	-8.38%
Telstra Corporation Limited.		4.27	0.96	0.23%	0.00%	2.40%	7.02%	5.76%	3.64%	-4.55%	40.27%	-15.82%
Treasury Wine Estates Limited		14.00	0.81	-0.36%	-0.07%	7.86%	2.87%	-3.97%	8.27%	9.94%	31.70%	-42.12%
Westpac Banking Corporation		22.23	0.56	-0.22%	0.50%	3.73%	-4.80%	-7.24%	13.13%	9.37%	10.22%	-20.06%
Worley Limited		15.41	0.86	0.20%	0.46%	11.75%	2.73%	-3.93%	17.83%	41.11%	-7.48%	-24.95%
Woolworths Limited		38.48	0.86	-0.18%	-2.61%	3.11%	14.66%	12.93%	-1.15%	-11.71%	-3.31%	8.71%
International												
iShare MSCI All Asia ex Japan	USD \$	67.56	0.69	-0.89%	0.31%	2.55%	4.24%	4.72%	10.54%	-21.64%	-7.74%	22.19%
Blackrock Int Equity Fund*	AUD \$	20.73	0.97	-0.33%	0.20%	3.46%	9.82%	7.25%	4.41%	-15.90%	24.76%	-0.61%
Blackrock Australian Equity Fund*	AUD \$	1.80	0.56	-0.28%	0.70%	5.42%	3.93%	0.96%	7.01%	-11.03%	11.82%	-2.28%
Vanguard International Share*	AUD \$	2.83	0.98	0.09%	0.89%	4.36%	9.10%	8.60%	3.54%	-16.11%	23.54%	-0.10%
Vanguard FTSE World exUS	USD \$	54.41	0.92	-0.60%	0.65%	5.24%	8.52%	6.64%	13.03%	-18.18%	5.00%	8.58%
Vanguard FTSE Europe	USD \$	63.03	0.99	-0.22%	1.17%	7.29%	13.69%	9.94%	20.13%	-18.76%	13.28%	2.80%
iShares Core MSCI Europe	USD \$	54.20	0.99	-0.29%	1.23%	7.45%	14.11%	10.27%	20.13%	-18.33%	13.42%	2.83%
iShares Asia 50	USD \$	60.04	0.65	-1.33%	0.05%	1.35%	5.82%	9.08%	13.66%	-25.89%	-12.17%	32.08%
iShares MSCI Japan	USD \$	58.49	0.96	-0.80%	0.72%	3.14%	7.44%	7.81%	11.44%	-18.70%	-0.89%	14.04%
Acadian Global Managed Volatility Equity Fund		1.65	0.88	-0.44%	-0.33%	3.90%	6.75%	4.24%	3.30%	-9.88%	10.44%	-11.46%
Lazard Global Managed Volatility Fund - Australia*		1.07	0.37	-0.46%	-0.38%	3.79%	4.22%	1.89%	5.15%	-13.72%	19.66%	-22.67%
Robeco Emerging Conservative Equity Fund - Australia		1.44	1.00	-0.05%	2.38%	5.61%	9.19%	6.12%	3.18%	-10.12%	13.49%	-15.41%

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