

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
		25-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;	2.36%		0.00%	0.07%	0.47%	0.40%	0.18%	0.29%	1.96%	1.29%	1.33%
60 days	reported Thursday/Friday	2.65%		0.00%	0.10%	0.33%	0.17%	-0.02%	0.37%	2.48%	1.99%	2.07%
90 days		2.80%	0.00	0.00%	0.13%	0.41%	0.08%	-0.20%	0.65%	2.72%	1.95%	2.04%
Treasury Bills												
182 days	Tbill auctions are irregular Wednesdays	2.07%	0.60	0.00%	0.07%	0.08%	-0.62%	-0.70%	1.48%	2.69%	4.29%	4.41%
273 days		2.25%	0.00	0.00%	0.08%	0.10%	-0.70%	-0.81%	0.29%	2.95%	5.95%	6.04%
364 days	reported Thursday/Friday	3.06%		0.00%	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		3.40%	0.50	-0.09%	-0.18%	-0.17%	-0.48%	-0.41%	0.05%	3.87%	1.51%	0.91%
United Kingdom		3.70%	0.71	-0.09%	-0.05%	0.24%	0.02%	-0.18%	-0.42%	3.67%	0.97%	0.20%
Australia		3.45%	0.38	0.00%	-0.03%	0.15%	-0.60%	-0.75%	0.17%	4.05%	1.67%	0.97%
New Zealand		4.13%	0.59	0.00%	-0.11%	0.06%	-0.34%	-0.28%	0.70%	4.47%	2.39%	0.99%
France		2.95%	0.85	-0.12%	-0.07%	0.14%	-0.16%	-0.32%	0.40%	3.12%	0.20%	-0.34%
Japan		0.48%	0.87	0.01%	0.00%	0.12%	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		0.4251	0.53	-0.09%	0.50%	0.07%	1.46%	1.03%	-4.08%	6.67%	6.19%	-11.68%
PGK/GBP		0.2275	0.05	-0.48%	-0.52%	-1.34%	-3.48%	-2.67%	-7.68%	11.60%	1.00%	-6.57%
PGK/NZD		0.4604	0.03	-0.67%	0.52%	0.96%	2.56%	0.74%	-9.48%	7.55%	7.78%	-9.52%
PGK/JPY		38.110	0.31	-0.05%	0.26%	2.61%	1.22%	0.27%	-8.26%	14.75%	11.64%	-7.87%
USD/AUD		0.6681	0.44	0.09%	-0.49%	-0.07%	-1.43%	-1.00%	4.23%	-6.60%	-5.83%	9.94%
USD/JPY		134.190	0.31	-0.06%	0.25%	2.62%	1.24%	0.27%	-8.28%	15.13%	11.63%	-5.12%
USD/EUR		1.1051	0.99	0.63%	0.55%	2.20%	3.77%	2.28%	8.41%	-5.83%	-8.00%	9.68%
USD/GBP		1.2485	0.92	0.47%	0.53%	1.36%	3.62%	2.76%	8.29%	-10.71%	-0.98%	3.90%
Equity Indices												
Papua New Guinea												
Percentage changes												
KSI Index		6,248.88	0.63	-0.02%	0.10%	-0.53%	-0.46%	0.14%	-0.03%	7.10%	-3.09%	-3.42%
KSI Home Index		16,147.21	1.00	0.00%	0.00%	0.84%	6.79%	5.90%	-1.25%	5.07%	8.11%	1.50%
Australia												
All Ordinaries		7,512.18	0.78	0.00%	-0.60%	4.06%	4.02%	2.10%	8.13%	-7.17%	13.55%	0.71%
S&P/ASX 100		6,138.52	0.78	0.00%	-0.55%	4.03%	3.94%	1.97%	8.64%	-3.95%	13.28%	-2.06%
S&P/ASX 20		4,087.20	0.70	0.00%	-1.09%	3.42%	2.59%	1.71%	9.26%	-1.83%	12.14%	-1.49%
S&P/ASX 50		7,159.00	0.79	0.00%	-0.69%	3.83%	4.06%	2.46%	8.95%	-3.01%	12.37%	-4.86%
S&P/ASX 50 Accumulation		90,635.50	0.91	0.00%	-0.69%	3.83%	5.68%	4.05%	9.66%	1.89%	17.00%	-1.94%
S&P/ASX Midcap 50		9,166.30	0.76	0.00%	0.33%	5.36%	3.15%	-1.15%	6.69%	-9.00%	18.46%	14.48%
S&P/ASX Small Ordinaries		2,895.50	0.43	0.00%	-0.47%	4.60%	3.48%	0.90%	6.98%	-20.72%	14.24%	6.62%
S&P/ASX 200		7,321.99	0.79	0.00%	-0.52%	4.09%	4.02%	1.98%	8.72%	-5.45%	13.02%	-1.45%
S&P/ASX 200 Accumulation		89,924.73	0.90	0.00%	-0.51%	4.12%	5.56%	3.46%	9.40%	-1.08%	17.23%	1.40%
S&P/ASX 300		7,275.27	0.78	0.00%	-0.54%	4.09%	3.89%	1.86%	8.46%	-6.05%	13.38%	-1.10%
S&P/ASX 200 Energy		10,598.40	0.43	0.00%	-0.72%	2.13%	-3.98%	-5.27%	7.61%	39.71%	-1.97%	-29.93%
S&P/ASX 200 Materials		18,027.40	0.72	0.00%	-4.03%	1.97%	2.77%	5.51%	15.04%	4.79%	6.84%	13.37%
S&P/ASX 200 Industrials		6,895.20	1.00	0.00%	0.87%	5.67%	10.60%	5.79%	6.49%	-6.18%	11.24%	-14.10%
S&P/ASX 200 Consumer Discretionary		3,102.20	1.00	0.00%	0.57%	4.66%	13.62%	9.87%	3.92%	-22.65%	21.31%	8.63%
S&P/ASX 200 Consumer Staples		13,651.70	0.79	0.00%	0.83%	2.96%	8.84%	6.13%	1.65%	-7.39%	7.13%	3.57%
S&P/ASX 200 Healthcare		44,888.20	1.00	0.00%	1.58%	6.62%	8.46%	3.05%	1.83%	-8.41%	7.98%	2.97%
S&P/ASX 200 Financials		6,331.90	0.62	0.00%	0.51%	4.90%	-0.42%	-3.59%	9.49%	-2.72%	20.20%	-9.00%
S&P/ASX 200 Information Technology		1,583.20	0.83	0.00%	0.36%	7.70%	12.64%	7.55%	2.46%	-34.25%	-2.79%	56.35%
S&P/ASX 200 Telecommunication Services		1,552.90	0.99	0.00%	0.24%	3.64%	10.05%	7.44%	4.39%	-13.43%	28.46%	0.91%
S&P/ASX 200 Utilities		8,626.20	1.00	0.00%	0.77%	4.54%	3.78%	0.70%	26.77%	24.19%	4.56%	-21.52%
S&P/ASX 200 A-REIT		1,391.60	0.44	0.00%	1.27%	4.13%	4.36%	-0.16%	9.74%	-24.00%	21.61%	-7.99%
S&P/ASX 200 Financial-x-A-REIT		7,062.20	0.62	0.00%	0.51%	4.90%	-0.42%	-3.59%	9.49%	-2.72%	20.20%	-8.99%
North American												
DJIA		33,530.83	0.82	-1.02%	-1.31%	3.51%	1.16%	0.38%	15.39%	-8.78%	18.73%	7.25%
S&P 500		4,071.63	0.68	-1.58%	-2.00%	2.53%	6.05%	7.03%	7.08%	-19.44%	26.89%	16.26%
NASDAQ		11,799.16	0.54	-1.98%	-2.91%	0.71%	12.73%	16.77%	-1.03%	-33.10%	21.39%	43.64%
Toronto S&P/TSX		20,439.87	0.75	-1.15%	-1.18%	3.98%	5.44%	3.69%	5.10%	-8.66%	21.74%	2.17%
Europe												
FTSE		7,891.13	0.90	-0.27%	-0.23%	5.44%	5.90%	2.42%	8.09%	0.91%	14.30%	-14.34%
DAX		15,872.13	0.99	0.05%	-0.07%	4.82%	13.99%	12.25%	14.93%	-12.35%	15.79%	3.55%
CAC 40		7,531.61	0.98	-0.56%	-0.03%	6.25%	16.34%	13.11%	12.35%	-9.50%	28.85%	-7.14%
Asia												
Nikkei		28,620.07	0.83	0.09%	-0.14%	4.00%	9.68%	7.46%	0.61%	-9.37%	4.91%	16.01%
Hang Seng		19,617.88	0.62	-1.71%	-5.00%	-0.84%	-0.83%	3.13%	14.86%	-15.46%	-14.08%	-3.40%
Shanghai		3,264.87	0.72	-0.32%	-3.79%	0.60%	5.68%	5.94%	2.14%	-15.13%	4.80%	13.87%
Sensex		60,130.71	0.74	0.12%	0.68%	4.37%	-1.17%	-3.04%	5.94%	4.44%	21.99%	15.75%

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 %	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

26-Apr-23

	25-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	2,789.54	0.85	-1.32%	-1.63%	3.13%	7.18%	7.25%	9.42%	-19.46%	20.14%	14.06%	
MSCI World Net TR USD Index	8,607.54	0.91	-1.31%	-1.59%	3.34%	7.78%	7.73%	9.77%	-18.14%	21.82%	15.90%	
MSCI ACWI-ex-Australia TR AUD Index	14,653.06	0.38	-0.41%	-0.08%	3.54%	10.29%	9.20%	3.95%	-12.52%	29.58%	5.73%	
MSCI ACWI Net TR USD Index	340.06	0.89	-1.30%	-1.79%	2.93%	7.07%	7.31%	9.76%	-18.36%	18.54%	16.25%	
MSCI ACWI Minimum Volatility USD	2,185.09	0.83	-0.10%	-0.10%	3.61%	3.21%	1.01%	8.15%	-12.04%	11.95%	0.56%	
MSCI EM Asia Net TR USD Index	572.63	0.62	-1.35%	-3.89%	-1.49%	1.06%	4.81%	10.83%	-21.11%	-5.08%	28.38%	
MSCI EM Net TR USD Index	493.20	0.61	-1.20%	-3.48%	-0.37%	1.47%	3.96%	9.70%	-20.09%	-2.54%	18.31%	
VIX Volatility S&P500	18.76	0.13	11.07%	11.47%	-6.06%	-13.43%	-13.71%	-31.47%	25.84%	-24.31%	65.09%	
Commodities												
Light Crude WTI Futures	US\$/bbl	77.07	0.19	-2.15%	-4.69%	5.29%	-3.97%	-5.72%	0.97%	6.11%	55.89%	-20.54%
Brent Crude	US\$/bbl	80.77	0.15	-2.37%	-4.72%	2.70%	-5.98%	-7.15%	-2.33%	9.89%	50.93%	-21.52%
Gold	US\$/oz	2,004.50	0.88	0.24%	-0.75%	0.71%	9.76%	8.76%	9.22%	-0.31%	-3.34%	24.42%
Silver	US\$/oz	25.09	0.30	-1.71%	-0.69%	7.12%	4.36%	0.48%	26.27%	2.67%	-11.35%	47.38%
Copper	US\$/lb	3.87	0.49	-2.51%	-5.65%	-5.40%	1.43%	7.45%	11.66%	-14.77%	27.05%	25.81%
Iron Ore	US\$/mt	106.10	0.47	0.00%	-8.78%	-9.56%	-2.33%	11.66%	13.77%	-3.57%	-27.05%	81.97%
Malaysian Palm Oil* RM/tn		4,081	0.21	-0.71%	-1.43%	1.75%	-2.16%	-2.71%	25.37%	-19.15%	32.59%	27.95%
LNG *Jap/Korea	US\$/mmBtu	11.85	0.09	-0.25%	-7.82%	-5.28%	-59.87%	-54.21%	-23.78%	-3.21%	113.25%	169.81%
ICCO Cocoa	US\$/mt	3,149	0.95	-1.69%	3.11%	8.55%	21.12%	12.81%	10.45%	3.17%	-3.19%	2.48%
ICO Coffee	US cents/lb	192	0.49	-2.19%	-6.24%	10.76%	15.03%	1.91%	-24.49%	-26.01%	76.30%	-1.12%
Equities												
Domestic												
				Percentage changes								
Bank South Pacific		11.48	0.64	-0.39%	1.03%	1.19%	2.74%	3.14%	0.00%	1.31%	2.08%	1.87%
Credit Corporation		2.00	1.00	0.00%	0.00%	0.00%	8.11%	8.11%	0.00%	10.12%	-1.18%	6.25%
City Pharmacy		0.95	0.40	0.00%	0.00%	0.00%	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	1.74	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	21.34	35.46	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Santos Limited	16.70	19.10	0.98	0.00%	0.10%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Australia												
A2 Milk Company Limited		5.71	0.55	0.00%	-3.22%	-1.89%	-17.01%	-15.55%	27.41%	26.01%	-52.31%	-19.93%
ANZ Banking Group Limited		24.22	0.49	0.00%	0.08%	6.98%	1.81%	-3.61%	4.34%	-13.52%	21.19%	-7.84%
BSP Financial Group		4.88	0.41	0.00%	0.83%	1.24%	-0.41%	-0.41%	-2.00%	14.75%	-17.88%	
BHP Billiton Limited		44.17	0.58	0.00%	-5.17%	-0.52%	-3.20%	3.51%	18.46%	9.95%	-2.19%	9.02%
Boral Limited		4.14	1.00	0.00%	5.61%	17.28%	43.25%	21.80%	8.24%	-52.62%	23.23%	10.49%
Bougainville Copper Limited		0.33	0.16	0.00%	0.00%	3.17%	-7.14%	-5.71%	25.00%	14.75%	5.17%	-10.77%
Bank of Queensland		6.02	0.00	0.00%	-4.44%	-7.10%	-12.75%	-5.94%	5.99%	-14.71%	4.52%	6.76%
Brambles Limited		14.18	1.00	0.00%	1.36%	5.43%	17.48%	11.27%	5.78%	13.55%	0.28%	-9.56%
Commonwealth Bank of Australia		100.11	0.54	0.00%	0.71%	4.22%	-2.43%	-4.17%	13.12%	1.58%	23.01%	2.77%
CSL		304.34	0.84	0.00%	1.37%	6.79%	5.76%	0.19%	0.96%	-1.02%	2.66%	2.69%
Fortescue Mining		20.76	0.70	0.00%	-8.06%	0.97%	1.22%	9.65%	21.94%	6.77%	-18.01%	119.18%
Horizon Oil Ltd		0.17	0.77	0.00%	3.13%	0.00%	26.92%	30.77%	-11.86%	41.30%	48.39%	-48.33%
Kina Securities Ltd		0.74	0.11	0.00%	-0.67%	2.78%	-4.52%	-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		181.45	0.54	0.00%	0.67%	6.49%	8.68%	5.21%	9.31%	-18.71%	48.32%	0.46%
Mirvac Group		2.29	0.74	0.00%	0.88%	9.05%	7.51%	-2.35%	9.51%	-26.80%	10.23%	-16.98%
National Australia Bank		28.79	0.42	0.00%	0.10%	4.09%	-4.22%	-7.78%	4.34%	4.23%	27.61%	-8.24%
Newcrest Mining Limited		28.63	0.91	0.00%	-2.05%	8.57%	38.71%	30.09%	21.99%	-15.69%	-5.04%	-14.78%
Origin Energy Ltd		8.35	1.00	0.00%	0.60%	2.20%	8.16%	7.38%	49.32%	47.33%	10.08%	-43.67%
Pilbara Minerals Ltd		4.23	0.63	0.00%	6.82%	9.87%	12.80%	5.07%	-17.76%	17.19%	267.82%	210.71%
Qbe Insurance Group Ltd		15.13	0.95	0.00%	2.16%	5.88%	12.66%	8.64%	16.48%	18.33%	33.06%	-33.77%
Rio Tinto Limited		113.18	0.62	0.00%	-7.11%	-1.10%	-2.77%	3.20%	24.65%	16.28%	-12.05%	13.38%
ResMed Inc		34.25	0.82	0.00%	2.67%	6.30%	10.63%	4.62%	-8.48%	-13.47%	31.40%	24.34%
Santos Limited		7.10	0.18	0.00%	-1.11%	2.16%	-0.56%	-3.36%	0.71%	13.15%	0.64%	-23.35%
Steamship Trading Company		9.07	0.02	0.00%	0.00%	0.00%	-13.62%	-13.62%	3.96%	5.00%	1.52%	-21.20%
Suncorp Metway Limited		12.40	0.79	0.00%	0.32%	2.99%	2.99%	0.58%	20.04%	8.76%	13.66%	-24.85%
Transurban Group		14.93	1.00	0.00%	1.15%	6.72%	15.02%	9.48%	5.19%	-6.08%	1.17%	-8.38%
Telstra Corporation Limited		4.30	1.00	0.00%	0.94%	2.63%	7.77%	5.76%	3.64%	-4.55%	40.27%	-15.82%
Treasury Wine Estates Limited		14.04	0.82	0.00%	-0.07%	6.44%	3.16%	-3.97%	8.27%	9.94%	31.70%	-42.12%
Westpac Banking Corporation		22.25	0.56	0.00%	-0.13%	3.34%	-4.71%	-7.24%	13.13%	9.37%	10.22%	-20.06%
Worley Limited		15.35	0.85	0.00%	-0.20%	9.56%	2.33%	-3.93%	17.83%	41.11%	-7.48%	-24.95%
Woolworths Limited		39.00	0.93	0.00%	1.17%	3.83%	16.21%	12.93%	-1.15%	-11.71%	-3.31%	8.71%
International												
iShare MSCI All Asia ex Japan	USD \$	64.93	0.54	-2.18%	-4.75%	-3.33%	0.19%	4.72%	10.54%	-21.64%	-7.74%	22.19%
Blackrock Int Equity Fund*	AUD \$	20.79	1.00	0.00%	-0.03%	3.96%	10.16%	7.25%	4.41%	-15.90%	24.76%	-0.61%
Blackrock Australian Equity Fund*	AUD \$	1.79	0.61	0.00%	-0.70%	4.90%	3.49%	0.96%	7.01%	-11.03%	11.82%	-2.28%
Vanguard International Share*	AUD \$	2.84	1.00	0.03%	0.34%	4.08%	9.37%	8.60%	3.54%	-16.11%	23.54%	-0.10%
Vanguard FTSE World exUS	USD \$	53.66	0.85	-1.54%	-1.97%	2.70%	7.02%	6.64%	13.03%	-18.18%	5.00%	8.58%
Vanguard FTSE Europe	USD \$	62.60	0.94	-1.68%	-0.90%	6.23%	12.91%	9.94%	20.13%	-18.76%	13.28%	2.80%
iShares Core MSCI Europe	USD \$	53.86	0.34	-1.72%	-0.92%	6.32%	13.39%	10.27%	20.13%	-18.33%	13.42%	2.83%
iShares Asia 50	USD \$	57.01	0.52	-2.66%	-6.32%	-7.08%	0.47%	9.08%	13.66%	-25.89%	-12.17%	32.08%
iShares MSCI Japan	USD \$	58.57	0.96	-0.70%	-0.66%	1.88%	7.59%	7.81%	11.44%	-18.70%	-0.89%	14.04%
Acadian Global Managed Volatility Equity Fund		1.66	0.92	1.21%	0.03%	3.33%	7.26%	4.24%	3.30%	-9.88%	10.44%	-11.46%
Lazard Global Managed Volatility Fund - Australia*		1.08	0.42	0.00%	0.50%	3.72%	5.22%	1.89%	5.15%	-13.72%	19.66%	-22.67%
Robeco Emerging Conservative Equity Fund - Australia		1.42	0.89	0.00%	-1.22%	1.98%	7.91%	6.12%	3.18%	-10.12%	13.49%	-15.41%

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