

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
		17-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	2.00%	0.55	0.00%	0.00%	0.01%	-0.69%	-0.70%	1.48%	2.69%	4.29%	4.41%
273 days		2.17%	0.00	0.00%	0.01%	0.05%	-0.78%	-0.81%	0.29%	2.95%	5.95%	6.04%
364 days	reported Thursday/Friday	3.01%		0.00%	0.00%	0.28%	-1.26%	-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		3.60%	0.62	0.09%	0.18%	0.12%	-0.27%	-0.41%	0.05%	3.87%	1.51%	0.91%
United Kingdom		3.69%	0.71	0.02%	0.26%	0.38%	0.02%	-0.18%	-0.42%	3.67%	0.97%	0.20%
Australia		3.37%	0.32	0.05%	0.18%	0.13%	-0.68%	-0.75%	0.17%	4.05%	1.67%	0.97%
New Zealand		4.10%	0.57	0.00%	0.16%	-0.11%	-0.37%	-0.28%	0.70%	4.47%	2.39%	0.99%
France		3.02%	0.89	0.02%	0.32%	0.35%	-0.09%	-0.32%	0.40%	3.12%	0.20%	-0.34%
Japan		0.49%	0.88	0.01%	0.02%	0.24%	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		0.4230	0.56	0.98%	-0.28%	-0.38%	0.95%	1.03%	-4.08%	6.67%	6.19%	-11.68%
PGK/GBP		0.2287	0.17	0.97%	0.26%	-1.85%	-2.97%	-2.67%	-7.68%	11.60%	1.00%	-6.57%
PGK/NZD		0.4580	0.03	1.73%	1.31%	0.79%	2.03%	0.74%	-9.48%	7.55%	5.70%	-9.52%
PGK/JPY		38.010	0.30	1.04%	1.90%	1.60%	0.96%	0.27%	-8.26%	14.75%	11.64%	-7.87%
USD/AUD		0.6714	0.39	-0.97%	0.28%	0.37%	-0.94%	-1.00%	4.23%	-6.60%	-5.83%	9.94%
USD/JPY		133.850	0.30	1.06%	1.91%	1.61%	0.99%	0.27%	-8.28%	15.13%	11.63%	-5.12%
USD/EUR		1.0991	0.95	-0.73%	0.84%	2.93%	3.20%	2.28%	8.41%	-5.83%	-8.00%	9.68%
USD/GBP		1.2419	0.74	-0.97%	-0.27%	1.90%	3.07%	2.76%	8.29%	-10.71%	-0.98%	3.90%
Equity Indices												
Papua New Guinea												
Percentage changes												
KSI Index		6,242.70	0.59	0.00%	-0.70%	-0.56%	-0.56%	0.14%	-0.03%	7.10%	-3.09%	-3.42%
KSI Home Index		16,147.21	1.00	0.00%	0.84%	3.24%	6.79%	5.90%	-1.25%	5.07%	8.11%	1.50%
Australia												
All Ordinaries		7,578.06	0.76	0.23%	2.24%	6.96%	4.93%	2.10%	8.13%	-7.17%	13.55%	0.71%
S&P/ASX 100		6,190.77	0.84	0.32%	2.22%	6.86%	4.82%	1.97%	8.64%	-3.95%	13.28%	-2.06%
S&P/ASX 20		4,148.10	0.80	0.34%	2.19%	6.68%	4.12%	1.71%	9.26%	-1.83%	12.14%	-1.49%
S&P/ASX 50		7,232.30	0.86	0.34%	2.11%	6.76%	5.13%	2.46%	8.95%	-3.01%	12.37%	-4.86%
S&P/ASX 50 Accumulation		91,564.10	0.97	0.34%	2.11%	6.77%	6.76%	4.05%	9.66%	1.89%	17.00%	-1.94%
S&P/ASX Midcap 50		9,140.40	0.74	0.15%	2.98%	7.54%	2.85%	-1.15%	6.69%	-9.00%	18.46%	14.48%
S&P/ASX Small Ordinaries		2,914.40	0.41	-0.34%	2.45%	8.05%	4.15%	0.90%	6.98%	-20.72%	14.24%	6.62%
S&P/ASX 200		7,381.52	0.82	0.27%	2.25%	7.00%	4.87%	1.98%	8.72%	-5.45%	13.02%	-1.45%
S&P/ASX 200 Accumulation		90,652.09	0.95	0.28%	2.26%	7.05%	6.41%	3.46%	9.40%	-1.08%	17.23%	1.40%
S&P/ASX 300		7,335.65	0.78	0.24%	2.25%	6.99%	4.76%	1.86%	8.46%	-6.05%	13.38%	-1.10%
S&P/ASX 200 Energy		10,878.40	0.54	-0.31%	1.78%	10.80%	-1.44%	-5.27%	7.61%	39.71%	-1.97%	-29.93%
S&P/ASX 200 Materials		18,748.70	0.86	0.06%	4.14%	9.40%	6.88%	5.51%	15.04%	4.79%	6.84%	13.37%
S&P/ASX 200 Industrials		6,839.50	1.00	0.50%	1.89%	6.22%	9.70%	5.79%	6.49%	-6.18%	11.24%	-14.10%
S&P/ASX 200 Consumer Discretionary		3,094.80	1.00	0.74%	1.69%	7.39%	13.35%	9.87%	3.92%	-22.65%	21.31%	8.63%
S&P/ASX 200 Consumer Staples		13,705.80	0.82	-0.03%	1.16%	6.80%	9.27%	6.13%	1.65%	-7.39%	7.13%	3.57%
S&P/ASX 200 Healthcare		44,398.60	0.95	-0.03%	0.27%	6.13%	7.28%	3.05%	1.83%	-8.41%	7.98%	2.97%
S&P/ASX 200 Financials		6,308.50	0.54	0.36%	1.86%	5.31%	-0.78%	-3.59%	9.49%	-2.72%	20.20%	-9.00%
S&P/ASX 200 Information Technology		1,586.90	0.71	0.71%	3.28%	8.28%	12.91%	7.55%	2.46%	-34.25%	-2.79%	56.35%
S&P/ASX 200 Telecommunication Services		1,555.70	1.00	0.19%	0.91%	5.26%	10.25%	7.44%	4.39%	-13.43%	28.46%	0.91%
S&P/ASX 200 Utilities		8,503.30	0.94	-0.30%	-0.18%	5.32%	2.30%	0.70%	26.77%	24.19%	4.56%	-21.52%
S&P/ASX 200 A-REIT		1,382.10	0.41	1.51%	2.99%	4.20%	3.65%	-0.16%	9.74%	-24.00%	21.61%	-7.99%
S&P/ASX 200 Financial-x-A-REIT		7,036.10	0.54	0.36%	1.86%	5.31%	-0.78%	-3.59%	9.49%	-2.72%	20.20%	-8.99%
North American												
DJIA		33,987.18	0.87	0.30%	1.19%	5.40%	2.53%	0.38%	15.39%	-8.78%	18.73%	7.25%
S&P 500		4,151.32	0.70	0.33%	1.03%	5.05%	8.12%	7.03%	7.08%	-19.44%	26.89%	16.26%
NASDAQ		12,157.72	0.66	0.28%	0.61%	4.13%	16.16%	16.77%	-1.03%	-33.10%	21.39%	43.64%
Toronto S&P/TSX		20,641.97	0.71	0.30%	1.81%	5.75%	6.48%	3.69%	5.10%	-8.66%	21.79%	2.17%
Europe												
FTSE		7,879.51	0.89	0.10%	1.78%	6.42%	5.74%	2.42%	8.09%	0.91%	14.30%	-14.34%
DAX		15,789.53	1.00	-0.11%	1.23%	5.73%	13.40%	12.25%	14.93%	-12.35%	15.79%	3.55%
CAC 40		7,498.18	0.99	-0.28%	2.37%	6.92%	15.82%	13.11%	12.35%	-9.50%	28.85%	-7.14%
Asia												
Nikkei		28,514.78	0.80	0.07%	3.19%	5.82%	9.28%	7.46%	0.61%	-9.37%	4.91%	16.01%
Hang Seng		20,782.45	0.76	1.68%	2.22%	9.38%	5.06%	3.13%	14.86%	-15.46%	-14.08%	-3.40%
Shanghai		3,385.61	0.95	1.42%	2.12%	4.66%	9.59%	5.94%	2.14%	-15.13%	4.80%	13.87%
Sensex		59,910.75	0.72	-0.86%	0.11%	3.96%	-1.53%	-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

19-Apr-23

	17-Apr-23	52 wk	Movement for the period				Q1 2023	Q4 2022	2022	2021	2020		
			Day	Week	Month	YTD							
Indices													
MSCI World USD Index	2,827.24	0.78	0.05%	1.47%	5.56%	8.63%	7.25%	9.42%	-19.46%	20.14%	14.06%		
MSCI World Net TR USD Index	8,719.73	0.85	0.05%	1.50%	5.76%	9.19%	7.73%	9.77%	-18.14%	21.82%	15.90%		
MSCI ACWI-ex-Australia TR AUD Index	14,713.50	1.00	0.43%	0.47%	6.54%	10.74%	9.20%	3.95%	-12.52%	29.58%	5.73%		
MSCI ACWI Net TR USD Index	345.45	0.84	0.08%	1.51%	5.86%	8.77%	7.31%	9.76%	-18.36%	18.54%	16.25%		
MSCI ACWI Minimum Volatility USD	2,185.80	0.66	0.26%	1.08%	4.87%	3.24%	1.01%	8.15%	-12.04%	11.95%	0.56%		
MSCI EM Asia Net TR USD Index	598.69	0.80	0.36%	1.03%	6.07%	5.65%	4.81%	10.83%	-21.11%	-5.08%	28.38%		
MSCI EM Net TR USD Index	512.60	0.76	0.33%	1.55%	6.68%	5.46%	3.96%	9.70%	-20.09%	-2.54%	18.31%		
VIX Volatility S&P500	16.95	0.00	-0.70%	-10.65%	-29.81%	-21.78%	-13.71%	-31.47%	25.84%	-24.31%	65.09%		
Commodities													
Light Crude WTI Futures	US\$/bbl	80.83	0.25	-2.05%	1.37%	19.50%	0.71%	-5.72%	0.97%	6.11%	55.89%	-20.54%	
Brent Crude	US\$/bbl	84.76	0.23	-1.80%	0.69%	14.87%	-1.34%	-7.15%	-2.33%	9.89%	50.93%	-21.52%	
Gold	US\$/oz	2,007.00	0.89	-0.44%	0.16%	0.37%	9.90%	8.76%	9.22%	-0.31%	-3.34%	24.42%	
Silver	US\$/oz	25.09	0.90	-1.46%	0.71%	10.78%	4.36%	0.48%	26.27%	2.67%	-11.35%	47.38%	
Copper	US\$/lb	4.07	0.57	-0.89%	2.34%	2.99%	6.80%	7.45%	11.66%	-14.77%	27.05%	25.81%	
Iron Ore	US\$/mt	116.31	0.61	0.30%	-1.96%	-4.65%	7.07%	11.66%	13.77%	-3.57%	-27.05%	81.97%	
Malaysian Palm Oil* RM/tn		4,014	0.19	-2.10%	-7.23%	2.01%	-3.76%	-2.71%	25.37%	-19.15%	32.59%	27.95%	
LNG *Jap/Korea	US\$/mmBtu	12.49	0.09	-0.82%	-1.07%	-5.06%	-57.68%	-54.21%	-23.78%	-3.21%	113.25%	169.81%	
ICCO Cocoa	US\$/mt	3,003	1.00	0.64%	2.77%	7.83%	15.50%	12.81%	10.45%	3.17%	-3.19%	2.48%	
ICO Coffee	US cents/lb	201	0.57	3.93%	10.08%	8.71%	20.14%	1.91%	-24.49%	-26.01%	76.30%	-1.12%	
Equities													
Domestic													
	PGK	Arbitrage	PNGX	Percentage changes									
Bank South Pacific		11.44	12.62	0.58	0.00%	-1.41%	0.80%	1.69%	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%	0.00%	5.56%	5.56%	-5.26%	-5.26%	90.00%	-38.27%
Kina Asset Management Limited			0.95	0.00	0.00%	18.75%	0.00%	0.00%	-15.79%	0.00%	-4.04%	10.00%	-5.26%
Kina Securities Limited	1.75	2.48	0.00	0.00%	-0.80%	-0.80%	-9.82%	-9.09%	-5.17%	-6.78%	-1.67%	-10.98%	
Steamship Trading Company	21.44	35.46	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Santos Limited	17.30	19.08	0.95	0.00%	-0.10%	-0.05%		0.00%	0.00%	0.00%	0.00%	0.00%	
Australia													
A2 Milk Company Limited		5.74	0.56	-0.69%	0.35%	-3.04%	-16.57%	-15.55%	27.41%	26.01%	-52.31%	-19.93%	
ANZ Banking Group Limited		24.21	0.45	0.96%	4.40%	7.65%	1.77%	-3.61%	4.34%	-13.52%	21.19%	-7.84%	
BSP Financial Group		4.84	0.37	0.00%	1.89%	-0.72%	-1.22%	-0.41%	-2.00%	14.75%	-17.88%		
BHP Billiton Limited		46.61	0.72	0.34%	3.46%	8.50%	2.15%	3.51%	18.46%	9.95%	-2.19%	9.02%	
Boral Limited		3.89	0.95	0.00%	5.99%	12.43%	34.60%	21.80%	8.24%	-52.62%	23.23%	10.49%	
Bougainville Copper Limited		0.35	0.21	4.55%	4.55%	11.29%	-1.43%	-5.71%	25.00%	14.75%	5.17%	-10.77%	
Bank of Queensland		6.36	0.00	-1.09%	-0.93%	-1.55%	-7.83%	-5.94%	5.99%	-14.71%	4.52%	6.76%	
Brambles Limited		14.00	1.00	0.50%	2.26%	8.44%	15.99%	11.27%	5.78%	13.55%	0.28%	-9.56%	
Commonwealth Bank of Australia		99.74	0.52	0.64%	0.74%	3.81%	-2.79%	-4.17%	13.12%	1.58%	23.01%	2.77%	
CSL		301.86	0.79	0.15%	0.56%	5.95%	4.90%	0.19%	0.96%	-1.02%	2.66%	2.69%	
Fortescue Mining		22.51	0.91	0.36%	4.36%	8.22%	9.75%	9.65%	21.94%	6.77%	-18.01%	119.18%	
Horizon Oil Ltd		0.16	0.69	-3.03%	-8.57%	0.00%	23.08%	30.77%	-11.86%	41.30%	48.39%	-48.33%	
Kina Securities Ltd		0.74	0.11	0.00%	2.78%	2.07%	-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		180.65	0.49	0.35%	2.09%	7.67%	8.20%	5.21%	9.31%	-18.71%	48.32%	0.46%	
Mirvac Group		2.26	0.66	1.80%	4.63%	7.11%	6.10%	-2.35%	9.51%	-26.80%	10.23%	-16.98%	
National Australia Bank		28.67	0.36	0.74%	2.83%	2.91%	-4.62%	-7.78%	4.34%	4.23%	27.61%	-8.24%	
Newcrest Mining Limited		29.28	0.95	-2.27%	3.54%	14.15%	41.86%	30.09%	21.99%	-15.69%	-5.04%	-14.78%	
Origin Energy Ltd		8.28	0.98	-0.12%	-0.12%	3.76%	7.25%	7.38%	49.32%	47.33%	10.08%	-43.67%	
Pilbara Minerals Ltd		3.80	0.51	1.33%	5.26%	9.20%	1.33%	5.07%	-17.76%	17.19%	267.82%	210.71%	
Qbe Insurance Group Ltd		14.84	0.88	-1.00%	0.00%	8.32%	10.50%	8.64%	16.48%	18.33%	33.06%	-33.77%	
Rio Tinto Limited		121.25	0.82	0.26%	4.25%	6.37%	4.16%	3.20%	24.65%	16.28%	-12.05%	13.38%	
ResMed Inc		33.61	0.74	0.57%	1.45%	8.52%	8.56%	4.62%	-8.48%	-13.47%	31.40%	24.34%	
Santos Limited		7.32	0.29	0.14%	2.52%	8.61%	2.52%	-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		12.47	0.82	0.08%	0.81%	7.50%	3.57%	0.58%	20.04%	8.76%	13.66%	-24.85%	
Transurban Group		14.79	1.00	0.34%	1.09%	4.82%	13.94%	9.48%	5.19%	-6.08%	1.17%	-8.38%	
Telstra Corporation Limited.		4.27	0.96	0.00%	0.00%	3.14%	7.02%	5.76%	3.64%	-4.55%	40.27%	-15.82%	
Treasury Wine Estates Limited		14.28	0.87	1.28%	8.68%	13.06%	4.92%	-3.97%	8.27%	9.94%	31.70%	-42.12%	
Westpac Banking Corporation		22.26	0.56	0.04%	2.25%	5.40%	-4.67%	-7.24%	13.13%	9.37%	10.22%	-20.06%	
Worley Limited		15.48	0.88	0.26%	3.20%	14.84%	3.20%	-3.93%	17.83%	41.11%	-7.48%	-24.95%	
Woolworths Limited		39.29	0.97	-0.43%	0.67%	7.79%	17.07%	12.93%	-1.15%	-11.71%	-3.31%	8.71%	
International													
iShare MSCI All Asia ex Japan	USD \$	68.28	0.73	0.60%	0.56%	5.26%	5.35%	4.72%	10.54%	-21.64%	-7.74%	22.19%	
Blackrock Int Equity Fund*	AUD \$	20.80	1.00	1.08%	0.98%	6.57%	10.18%	7.25%	4.41%	-15.90%	24.76%	-0.61%	
Blackrock Australian Equity Fund*	AUD \$	1.80	0.58	0.77%	2.25%	5.11%	4.22%	0.96%	7.01%	-11.03%	11.82%	-2.28%	
Vanguard International Share*	AUD \$	2.84	1.00	1.08%	0.97%	5.80%	9.37%	8.60%	3.54%	-16.11%	23.54%	-0.10%	
Vanguard FTSE Europe exUS	USD \$	54.55	0.90	0.06%	1.64%	6.56%	8.80%	6.64%	13.03%	-18.18%	5.00%	8.58%	
Vanguard FTSE World	USD \$	62.74	0.98	-0.48%	1.90%	8.21%	13.17%	9.94%	20.13%	-18.76%	13.28%	2.80%	
iShares Core MSCI Europe	USD \$	53.99	0.98	-0.37%	2.12%	8.30%	13.66%	10.27%	20.13%	-18.33%	13.42%	2.83%	
iShares Asia 50	USD \$	61.06	0.70	0.81%	-0.75%	5.69%	7.61%	9.08%	13.66%	-25.89%	-12.17%	32.08%	
iShares MSCI Japan	USD \$	58.61	0.97	0.29%	1.59%	3.70%	7.66%	7.81%	11.44%	-18.70%	-0.89%	14.04%	
Acadian Global Managed Volatility Equity Fund		1.66	0.92	0.69%	0.60%	6.20%	7.23%	4.24%	3.30%	-9.88%	10.44%	-11.46%	
Lazard Global Managed Volatility Fund - Australia*		1.07	0.42	0.77%	0.34%	5.53%	4.70%	1.89%	5.15%	-13.72%	19.66%	-22.67%	
Robeco Emerging Conservative Equity Fund - Australia		1.44	1.00	0.30%	2.42%	4.42%	9.24%	6.12%	3.18%	-10.12%	13.49%	-15.41%	

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