

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
		14-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		3.51%	0.56	0.07%	0.12%	0.08%	-0.36%	-0.41%	0.05%	3.87%	1.51%	0.91%
United Kingdom		3.67%	0.71	0.09%	0.24%	0.38%	-0.01%	-0.18%	-0.42%	3.67%	0.97%	0.20%
Australia		3.32%	0.28	0.05%	0.14%	-0.07%	-0.73%	-0.75%	0.17%	4.05%	1.67%	0.97%
New Zealand		4.10%	0.56	0.05%	0.16%	-0.28%	-0.37%	-0.28%	0.17%	4.47%	2.39%	0.99%
France		3.01%	0.88	0.06%	0.31%	0.33%	-0.11%	-0.32%	0.40%	3.12%	0.20%	-0.34%
Japan		0.48%	0.86	0.00%	0.01%	0.19%	0.05%	-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		0.4189	0.51	-1.20%	-1.25%	-1.06%	-0.02%	1.03%	-4.08%	6.67%	6.19%	-11.68%
PGK/GBP		0.2265	0.13	-0.44%	-0.70%	-3.04%	-3.90%	-2.67%	-7.68%	11.60%	1.00%	-6.57%
PGK/NZD		0.4502	0.03	-1.64%	-1.14%	-1.14%	0.29%	0.74%	-9.48%	7.55%	5.78%	-9.52%
PGK/JPY		37.620	0.24	-0.66%	0.86%	-0.45%	-0.08%	0.27%	-8.26%	14.75%	11.64%	-7.87%
USD/AUD		0.6780	0.45	1.21%	1.27%	1.06%	0.03%	-1.00%	4.23%	-6.60%	-5.83%	9.94%
USD/JPY		132.450	0.24	-0.66%	0.85%	-0.47%	-0.07%	0.27%	-8.28%	15.13%	11.63%	-5.12%
USD/EUR		1.1072	1.00	0.78%	1.59%	3.98%	3.96%	2.28%	8.41%	-5.83%	-8.00%	9.68%
USD/GBP		1.2541	0.79	0.46%	0.71%	3.14%	4.08%	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%	-0.55%	-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		7,560.39	0.74	0.53%	2.00%	5.18%	4.69%	2.10%	8.13%	-7.17%	13.55%	0.71%
S&P/ASX 100		6,171.31	0.82	0.51%	1.90%	5.06%	4.50%	1.97%	8.64%	-3.95%	13.28%	-2.06%
S&P/ASX 20		4,133.90	0.78	0.48%	1.84%	5.02%	3.76%	1.71%	9.26%	-1.83%	12.14%	-1.49%
S&P/ASX 50		7,207.70	0.84	0.46%	1.76%	4.93%	4.77%	2.46%	8.95%	-3.01%	12.37%	-4.86%
S&P/ASX 50 Accumulation		91,252.70	0.95	0.46%	1.76%	4.95%	6.40%	4.05%	9.66%	1.89%	17.00%	-1.94%
S&P/ASX Midcap 50		9,127.00	0.73	0.89%	2.83%	5.87%	2.70%	-1.15%	6.69%	-9.00%	18.46%	14.48%
S&P/ASX Small Ordinaries		2,924.40	0.42	0.55%	2.81%	6.84%	4.51%	0.90%	6.98%	-20.72%	14.24%	6.62%
S&P/ASX 200		7,361.58	0.80	0.51%	1.98%	5.24%	4.59%	1.98%	8.72%	-5.45%	13.02%	-1.45%
S&P/ASX 200 Accumulation		90,398.50	0.93	0.51%	1.98%	5.29%	6.12%	3.46%	9.40%	-1.08%	17.23%	1.40%
S&P/ASX 300		7,317.79	0.77	0.52%	2.00%	5.25%	4.50%	1.86%	8.46%	-6.05%	13.38%	-1.10%
S&P/ASX 200 Energy		10,912.40	0.56	0.48%	2.09%	7.80%	-1.13%	-5.27%	7.61%	39.71%	-1.97%	-29.93%
S&P/ASX 200 Materials		18,736.60	0.86	0.89%	4.08%	8.47%	6.82%	5.51%	15.04%	4.79%	6.84%	13.37%
S&P/ASX 200 Industrials		6,805.20	1.00	0.40%	1.38%	4.40%	9.15%	5.79%	6.49%	-6.18%	11.24%	-14.10%
S&P/ASX 200 Consumer Discretionary		3,072.20	0.97	0.16%	0.95%	5.09%	12.52%	9.87%	3.92%	-22.65%	21.31%	8.63%
S&P/ASX 200 Consumer Staples		13,709.70	0.82	0.58%	1.19%	4.76%	9.31%	6.13%	1.65%	-7.39%	7.13%	3.57%
S&P/ASX 200 Healthcare		44,409.80	0.95	-0.26%	0.30%	5.26%	7.31%	3.05%	1.83%	-8.41%	7.98%	2.97%
S&P/ASX 200 Financials		6,286.10	0.53	0.76%	1.50%	3.11%	-1.14%	-3.59%	9.49%	-2.72%	20.20%	-9.00%
S&P/ASX 200 Information Technology		1,575.70	0.62	0.18%	2.55%	6.16%	12.11%	7.55%	2.46%	-34.25%	-2.79%	56.35%
S&P/ASX 200 Telecommunication Services		1,552.70	1.00	0.50%	0.72%	5.46%	10.03%	7.44%	4.39%	-13.43%	28.46%	0.91%
S&P/ASX 200 Utilities		8,528.50	0.95	0.45%	0.12%	4.95%	2.61%	0.70%	26.77%	24.19%	4.56%	-21.52%
S&P/ASX 200 A-REIT		1,361.60	0.36	-0.36%	1.46%	0.05%	2.11%	-0.16%	9.74%	-24.00%	21.61%	-7.99%
S&P/ASX 200 Financial-x-A-REIT		7,011.10	0.53	0.76%	1.50%	3.11%	-1.14%	-3.59%	9.49%	-2.72%	20.20%	-8.99%
North American												
DJIA		33,886.47	0.80	-0.42%	1.20%	6.35%	2.23%	0.38%	15.39%	-8.78%	18.73%	7.25%
S&P 500		4,137.64	0.64	-0.21%	0.79%	5.64%	7.77%	7.03%	7.08%	-19.44%	26.89%	16.26%
NASDAQ		12,123.47	0.59	-0.35%	0.29%	4.24%	15.83%	16.77%	-1.03%	-33.10%	21.39%	43.64%
Toronto S&P/TSX		20,579.91	0.63	0.07%	1.90%	6.15%	6.16%	3.69%	5.10%	-8.66%	21.74%	2.17%
Europe												
FTSE		7,871.91	0.88	0.36%	1.68%	7.31%	5.64%	2.42%	8.09%	0.91%	14.30%	-14.34%
DAX		15,807.50	1.00	0.50%	1.34%	7.04%	13.53%	12.25%	14.93%	-12.35%	15.79%	3.55%
CAC 40		7,519.61	1.00	0.52%	2.66%	8.58%	16.16%	13.11%	12.35%	-9.50%	28.85%	-7.14%
Asia												
Nikkei		28,493.47	0.79	1.20%	3.54%	4.24%	9.19%	7.46%	0.61%	-9.37%	4.91%	16.01%
Hang Seng		20,438.81	0.72	0.46%	0.53%	4.71%	3.32%	3.13%	14.86%	-15.46%	-14.08%	-3.40%
Shanghai		3,338.15	0.86	0.60%	0.32%	2.70%	8.06%	5.94%	2.14%	-15.13%	4.80%	13.87%
Sensex		60,431.00	0.76	0.00%	1.00%	4.21%	-0.67%	-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

17-Apr-23

		14-Apr-23	52 wk	Movement for the period				Q1 2023	Q4 2022	2022	2021	2020
				Day	Week	Month	YTD					
Indices												
MSCI World USD Index		2,825.75	0.73	-0.12%	1.27%	6.38%	8.57%	7.25%	9.42%	-19.46%	20.14%	14.06%
MSCI World Net TR USD Index		8,715.01	0.80	-0.12%	1.30%	6.59%	9.13%	7.73%	9.77%	-18.14%	21.82%	15.90%
MSCI ACWI-ex-Australia TR AUD Index		14,650.52	1.00	0.64%	0.53%	6.08%	10.27%	9.20%	3.95%	-12.52%	29.58%	5.73%
MSCI ACWI Net TR USD Index		345.16	0.79	-0.07%	1.31%	6.45%	8.68%	7.31%	9.76%	-18.36%	18.54%	16.25%
MSCI ACWI Minimum Volatility USD		2,180.04	0.61	-0.35%	0.58%	5.10%	2.97%	1.01%	8.15%	-12.04%	11.95%	0.56%
MSCI EM Asia Net TR USD Index		596.57	0.78	0.56%	0.91%	4.29%	5.28%	4.81%	10.83%	-21.11%	-5.08%	28.38%
MSCI EM Net TR USD Index		510.91	0.72	0.36%	1.39%	5.38%	5.11%	3.96%	9.70%	-20.09%	-2.54%	18.31%
VIX Volatility S&P500		17.07	0.00	-4.10%	-7.23%	-33.09%	-21.23%	-13.71%	-31.47%	25.84%	-24.31%	65.09%
Commodities												
Light Crude WTI Futures	US\$/bbl	82.52	0.28	0.44%	2.26%	23.64%	2.82%	-5.72%	0.97%	6.11%	55.89%	-20.54%
Brent Crude	US\$/bbl	86.31	0.26	0.26%	1.40%	18.28%	0.47%	-7.15%	-2.33%	9.89%	50.93%	-21.52%
Gold	US\$/oz	2,015.80	0.91	-1.92%	-0.52%	1.29%	10.38%	8.76%	9.22%	-0.31%	-3.34%	24.42%
Silver	US\$/oz	25.46	0.34	-1.79%	1.46%	13.35%	5.91%	0.48%	26.27%	2.67%	-11.35%	47.38%
Copper	US\$/lb	4.11	0.59	-0.44%	2.25%	5.48%	7.75%	7.45%	11.66%	-14.77%	27.05%	25.81%
Iron Ore	US\$/mt	115.96	0.60	-2.00%	-2.25%	-3.72%	6.75%	11.66%	13.77%	-3.57%	-27.05%	81.97%
Malaysian Palm Oil* RM/tn		4,100	0.21	0.00%	-2.84%	0.71%	-1.70%	-2.71%	25.37%	-19.15%	32.59%	27.95%
LNG *Jap/Korea	US\$/mmBtu	12.59	0.09	-0.10%	-0.25%	-4.45%	-57.33%	-54.21%	-23.78%	-3.21%	113.25%	169.81%
ICCO Cocoa	US\$/mt	2,984	0.98	-0.60%	2.23%	8.98%	14.77%	12.81%	10.45%	3.17%	-3.19%	2.48%
ICO Coffee	US cents/lb	193	0.50	-1.38%	5.34%	5.68%	15.60%	1.91%	-24.49%	-26.01%	76.30%	-1.12%
Equities												
Percentage changes												
Domestic												
	PGK	Arbitrage	PNGX									
Bank South Pacific		11.55	0.58	0.00%	-1.41%	0.96%	1.69%	3.14%	0.00%	1.31%	2.08%	1.87%
Credit Corporation			1.00	0.00%	0.00%	4.71%	8.11%	8.11%	0.00%	10.12%	-1.18%	6.25%
City Pharmacy			0.40	0.00%	0.00%	0.00%	5.56%	5.56%	-5.26%	-5.26%	90.00%	-38.27%
Kina Asset Management Limited				0.00%	18.75%	0.00%	0.00%	-15.79%	0.00%	-4.04%	10.00%	-5.26%
Kina Securities Limited	1.77		0.00	0.00%	-0.80%	-0.40%	-9.82%	-9.09%	-5.17%	-6.78%	-1.67%	-10.98%
Steamship Trading Company	21.65		35.46	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Santos Limited	17.45		19.08	0.00%	-0.10%	-0.05%		0.00%	0.00%			
Australia												
A2 Milk Company Limited			5.78	1.05%	1.05%	-9.26%	-15.99%	-15.55%	27.41%	26.01%	-52.31%	-19.93%
ANZ Banking Group Limited			23.98	0.41	0.88%	3.41%	5.13%	0.80%	4.34%	-13.52%	21.19%	-7.84%
BSP Financial Group			4.84	0.37	0.83%	1.89%	0.83%	-1.22%	-0.41%	-2.00%	14.75%	-17.88%
BHP Billiton Limited			46.45	0.64	0.11%	3.11%	7.05%	1.80%	3.51%	18.46%	9.95%	-2.19%
Boral Limited			3.89	0.95	1.30%	5.99%	9.27%	34.60%	21.80%	8.24%	-52.62%	23.23%
Bougainville Copper Limited			0.33	0.18	0.00%	0.00%	-8.33%	-5.71%	-5.71%	25.00%	14.75%	5.17%
Bank of Queensland			6.43	0.03	-0.92%	0.16%	-1.23%	-6.81%	-5.94%	5.99%	-14.71%	4.52%
Brambles Limited			13.93	1.00	0.58%	1.75%	5.69%	15.41%	11.27%	5.78%	13.55%	0.28%
Commonwealth Bank of Australia			99.11	0.50	0.91%	0.10%	2.76%	-3.40%	-4.17%	13.12%	1.58%	23.01%
CSL			301.40	0.79	-0.26%	0.41%	4.92%	4.74%	0.19%	0.96%	-1.02%	2.66%
Fortescue Mining			22.43	0.90	1.31%	3.99%	4.72%	9.36%	9.65%	21.94%	6.77%	-18.01%
Horizon Oil Ltd			0.17	0.77	0.00%	-5.71%	0.00%	26.92%	30.77%	-11.86%	41.30%	48.39%
Kina Securities Ltd			0.74	0.11	0.68%	2.78%	1.37%	-4.52%	-3.87%	-8.82%	-9.36%	-5.00%
Kina Petroleum Ltd			0.06		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Macquarie Group Ltd			180.02	0.48	0.67%	1.73%	2.41%	7.82%	5.21%	9.31%	-18.71%	48.32%
Mirvac Group			2.22	0.59	0.45%	2.78%	2.78%	4.23%	-2.35%	9.51%	-26.80%	10.23%
National Australia Bank			28.46	0.33	1.17%	2.08%	0.64%	-5.32%	-7.78%	4.34%	4.23%	27.61%
Newcrest Mining Limited			29.96	1.00	1.90%	5.94%	23.75%	45.16%	30.09%	21.99%	-15.69%	-5.04%
Origin Energy Ltd			8.29	0.98	0.00%	0.00%	2.35%	7.38%	7.38%	49.32%	47.33%	-43.67%
Pilbara Minerals Ltd			3.75	0.49	5.04%	3.88%	2.18%	0.00%	5.07%	-17.76%	17.19%	267.82%
Qbe Insurance Group Ltd			14.99	0.91	0.00%	1.01%	4.24%	11.62%	8.64%	16.48%	18.33%	33.06%
Rio Tinto Limited			120.94	0.82	0.07%	3.98%	5.35%	3.89%	3.20%	24.65%	16.28%	-12.05%
ResMed Inc			33.42	0.72	0.18%	0.88%	6.33%	7.95%	4.62%	-8.48%	-13.47%	31.40%
Santos Limited			7.31	0.28	0.83%	2.38%	5.48%	2.38%	-3.36%	0.71%	13.15%	0.64%
Steamship Trading Company			9.07	0.02	0.00%	0.00%	0.00%	-13.62%	-13.62%	3.96%	5.00%	1.52%
Suncorp Metway Limited			12.46	0.81	0.24%	0.73%	2.55%	3.49%	0.58%	20.04%	8.76%	13.66%
Transurban Group			14.74	0.99	0.14%	0.75%	4.02%	13.56%	9.48%	5.19%	-6.08%	1.17%
Telstra Corporation Limited.			4.27	0.96	0.47%	0.00%	3.64%	7.02%	5.76%	3.64%	-4.55%	40.27%
Treasury Wine Estates Limited			14.10	0.83	0.64%	7.31%	9.22%	3.60%	-3.97%	8.27%	9.94%	31.70%
Westpac Banking Corporation			22.25	0.56	0.72%	2.20%	4.76%	-4.71%	-7.24%	13.13%	9.37%	10.22%
Worley Limited			15.44	0.87	0.19%	2.93%	10.76%	2.93%	-3.93%	17.83%	41.11%	-7.48%
Woolworths Limited			39.46	0.99	1.00%	1.10%	6.48%	17.58%	12.93%	-1.15%	-11.71%	-3.31%
International												
iShare MSCI All Asia ex Japan	USD \$	67.87	0.71	-0.83%	0.18%	4.79%	4.72%	4.72%	10.54%	-21.64%	-7.74%	22.19%
Blackrock Int Equity Fund*	AUD \$	20.58	0.96	0.06%	-0.10%	4.04%	9.01%	7.25%	4.41%	-15.90%	24.76%	-0.61%
Blackrock Australian Equity Fund*	AUD \$	1.79	0.54	-0.26%	1.47%	4.78%	3.42%	0.96%	7.01%	-11.03%	11.82%	-2.28%
Vanguard International Share*	AUD \$	2.81	0.97	0.00%	-0.11%	3.29%	8.20%	8.60%	3.54%	-16.11%	23.54%	-0.10%
Vanguard FTSE Europe exUS	USD \$	54.52	0.84	-0.42%	1.62%	7.58%	8.74%	6.64%	13.03%	-18.18%	5.00%	8.58%
Vanguard FTSE World	USD \$	63.04	0.99	-0.16%	2.39%	10.44%	13.71%	9.94%	20.13%	-18.76%	13.28%	2.80%
iShares Core MSCI Europe	USD \$	54.19	1.00	-0.11%	2.46%	10.82%	14.08%	10.27%	20.13%	-18.33%	13.42%	2.83%
iShares Asia 50	USD \$	60.57	0.68	-1.26%	-1.08%	5.03%	6.75%	9.08%	13.66%	-25.89%	-12.17%	32.08%
iShares MSCI Japan	USD \$	58.44	0.95	-0.75%	1.09%	4.90%	7.35%	7.81%	11.44%	-18.70%	-0.89%	14.04%
Acadian Global Managed Volatility Equity Fund		1.65	0.86	-0.58%	-0.09%	5.47%	6.49%	4.24%	3.30%	-9.88%	10.44%	-11.46%
Lazard Global Managed Volatility Fund - Australia*		1.07	0.38	-0.49%	-0.43%	3.84%	3.90%	1.89%	5.15%	-13.72%	19.66%	-22.67%
Robeco Emerging Conservative Equity Fund - Australia		1.44	1.00	-0.05%	2.12%	4.21%	8.92%	6.12%	3.18%	-10.12%	13.49%	-15.41%

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