

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

26-Jan-23

		Closing prices	52	Movement for the period				Q4 2022	Q3 2022	2022	2021	2020
		25-Jan-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;	1.93%		0.00%	0.00%	-0.02%	-0.03%	0.29%	0.65%	1.96%	1.29%	1.33%
60 days	reported Thursday/Friday	2.44%		0.00%	-0.01%	-0.01%	-0.04%	0.37%	0.40%	2.48%	1.99%	2.07%
90 days		2.69%	0.00	0.00%	0.00%	-0.01%	-0.03%	0.65%	0.43%	2.72%	1.95%	2.04%
Treasury Bills												
182 days	Tbill auctions are irregular Wednesdays	2.44%	0.52	-0.12%	-0.12%	-0.25%	-0.25%	1.48%	0.06%	2.69%	4.29%	4.41%
273 days		2.72%	0.00	-0.15%	-0.15%	-0.23%	-0.23%	0.29%	0.54%	2.95%	5.95%	6.04%
364 days	reported Thursday/Friday	3.39%		-0.42%	-0.42%	-0.88%	-0.88%	0.28%	1.44%	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%	-0.17%	-0.85%	4.20%	8.50%	8.04%
GIS 4Y 2022-26	reported Thursday/Friday	5.16%		0.00%	0.00%	0.00%	0.00%	0.08%	-0.66%	5.16%	9.84%	9.84%
GIS 5Y 2022-27		5.24%		0.00%	0.00%	0.00%	0.00%	-0.02%	-1.12%	5.24%	9.70%	9.86%
GIS 7Y 2022-29		5.56%		0.00%	0.00%	0.00%	0.00%	-0.35%	-0.79%	5.56%	9.80%	10.02%
GIS 8Y 2022-30		5.44%		0.00%	0.00%	0.00%	0.00%	-0.74%	-0.64%	5.44%	-	-
GIS 9Y 2022-31		5.44%		0.00%	0.00%	0.00%	0.00%	-0.96%	-0.59%	5.44%	9.90%	11.82%
GIS 10Y 2022-32		5.44%		0.00%	0.00%	0.00%	0.00%	-0.91%	-0.65%	5.44%	9.90%	12.53%
Kina Facility Rate												
		3.25%	1.00	0.00%	0.00%	0.00%	0.00%	0.25%	0.00%	3.25%	3.00%	3.00%
Ten year Government Bond yields												
United States		3.44%	0.68	-0.01%	0.07%	-0.44%	-0.43%	0.05%	0.82%	3.87%	1.51%	0.91%
United Kingdom		3.24%	0.63	-0.03%	-0.07%	-0.42%	-0.43%	-0.42%	1.86%	3.67%	0.97%	0.20%
Australia		3.50%	0.70	0.04%	-0.04%	-0.53%	-0.55%	0.17%	0.23%	4.05%	1.67%	0.97%
New Zealand		4.08%	0.71	-0.02%	-0.03%	-0.41%	-0.40%	0.17%	0.44%	4.47%	2.39%	0.99%
France		2.60%	0.81	0.01%	0.15%	-0.45%	-0.52%	0.40%	0.80%	3.12%	0.20%	-0.34%
Japan		0.45%	0.79	0.03%	-0.01%	-0.02%	0.02%	0.18%	0.01%	0.42%	0.07%	0.02%
Australia												
	RBA Cash Rate	3.10%		0.00%	0.00%	0.00%	0.00%	0.75%	1.50%	3.10%	0.10%	0.10%
PNG CPI Index												
	Latest 12 mth % change	5.50%						0.00%	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%	0.00%	-0.35%	0.00%	-2.90%
PGK/AUD		0.3999	0.33	-0.84%	-1.48%	-4.92%	-4.56%	-4.08%	5.99%	6.67%	6.19%	-11.68%
PGK/GBP		0.2305	0.29	0.52%	-0.30%	-2.41%	-2.21%	-7.68%	9.20%	11.60%	1.00%	-6.57%
PGK/NZD		0.4379	0.30	0.39%	-0.52%	-3.18%	-2.45%	-9.48%	8.54%	7.55%	5.78%	-9.52%
PGK/JPY		37.060	0.44	0.30%	-0.22%	-2.63%	-1.57%	-8.26%	5.96%	14.75%	11.64%	-7.87%
USD/AUD		0.7103	0.63	0.87%	1.51%	5.18%	4.79%	4.23%	-5.64%	-6.60%	-5.83%	9.94%
USD/JPY		130.470	0.45	0.29%	-0.22%	-2.63%	-1.56%	-8.28%	5.98%	15.13%	11.63%	-5.12%
USD/EUR		1.0898	0.70	0.17%	1.07%	2.37%	2.33%	8.41%	-6.04%	-5.83%	-8.00%	9.68%
USD/GBP		1.2323	0.57	-0.53%	0.30%	2.48%	2.27%	8.29%	-8.40%	-10.71%	-0.98%	3.90%
Equity Indices												
Papua New Guinea												
Percentage changes												
KSI Index		6,278.90	0.99	0.00%	0.00%	0.59%	0.02%	-0.03%	0.25%	7.10%	-3.09%	-3.42%
KSI Home Index		15,402.10	0.76	0.00%	0.00%	1.86%	1.86%	-1.25%	-0.29%	5.07%	8.11%	1.50%
Australia												
All Ordinaries		7,688.01	0.84	-0.29%	1.03%	5.86%	6.46%	8.13%	-1.01%	-7.17%	13.55%	0.71%
S&P/ASX 100		6,261.88	0.94	-0.30%	1.02%	5.20%	6.03%	8.64%	-1.32%	-3.95%	13.28%	-2.06%
S&P/ASX 20		4,224.10	0.97	-0.22%	0.71%	4.96%	6.03%	9.26%	-1.83%	-1.83%	12.14%	-1.49%
S&P/ASX 50		7,291.10	0.93	-0.30%	1.02%	5.03%	5.98%	8.95%	-2.10%	-3.01%	12.37%	-4.86%
S&P/ASX 50 Accumulation		90,899.50	0.98	-0.30%	1.02%	5.18%	5.98%	9.66%	-0.12%	1.89%	17.00%	-1.94%
S&P/ASX Midcap 50		9,448.40	0.93	-0.34%	1.03%	6.33%	6.32%	6.69%	3.88%	-9.00%	18.46%	14.48%
S&P/ASX Small Ordinaries		3,015.20	0.53	-0.23%	0.60%	8.39%	7.75%	6.98%	-1.45%	-20.72%	14.24%	6.62%
S&P/ASX 200		7,468.30	0.89	-0.30%	1.01%	5.39%	6.10%	8.72%	-1.43%	-5.45%	13.02%	-1.45%
S&P/ASX 200 Accumulation		90,389.84	0.98	-0.30%	1.01%	5.55%	6.11%	9.40%	0.39%	-1.08%	17.23%	1.40%
S&P/ASX 300		7,437.64	0.87	-0.30%	0.98%	5.54%	6.21%	8.46%	-1.34%	-6.05%	13.38%	-1.10%
S&P/ASX 200 Energy		11,459.50	0.85	-1.21%	0.48%	0.59%	3.83%	7.61%	2.29%	39.71%	-1.97%	-29.93%
S&P/ASX 200 Materials		19,315.60	0.97	-0.74%	2.30%	8.82%	10.12%	15.04%	-2.85%	4.79%	6.84%	13.37%
S&P/ASX 200 Industrials		6,495.00	0.79	0.14%	0.34%	3.10%	4.18%	6.49%	-6.34%	-6.18%	11.24%	-14.10%
S&P/ASX 200 Consumer Discretionary		2,991.20	0.53	0.41%	0.77%	9.21%	9.56%	3.92%	-1.96%	-22.65%	21.31%	8.63%
S&P/ASX 200 Consumer Staples		12,921.10	0.42	-0.39%	-0.36%	2.39%	3.02%	1.65%	-4.33%	-7.39%	7.13%	3.57%
S&P/ASX 200 Healthcare		42,832.90	0.83	-0.52%	0.66%	4.47%	3.50%	1.83%	2.64%	-8.41%	7.98%	2.97%
S&P/ASX 200 Financials		6,665.10	0.80	0.32%	0.57%	4.50%	4.83%	9.49%	0.66%	-2.72%	20.20%	-9.00%
S&P/ASX 200 Information Technology		1,453.40	0.30	-1.20%	0.69%	4.40%	3.41%	2.46%	2.53%	-34.25%	-2.79%	56.35%
S&P/ASX 200 Telecommunication Services		1,477.10	0.71	-0.69%	-0.36%	4.63%	4.68%	4.39%	-0.87%	-13.43%	28.46%	0.91%
S&P/ASX 200 Utilities		8,062.90	0.73	0.49%	1.04%	-4.69%	-2.99%	26.77%	-13.62%	24.19%	4.56%	-21.52%
S&P/ASX 200 A-REIT		1,432.40	0.50	-0.65%	1.74%	5.95%	7.42%	9.74%	-7.53%	-24.00%	21.61%	-7.99%
S&P/ASX 200 Financial-x-A-REIT		7,433.80	0.80	0.32%	0.57%	4.50%	4.82%	9.49%	0.66%	-2.72%	20.20%	-8.99%
North American												
DJIA		33,743.84	0.71	0.03%	1.34%	2.64%	1.80%	15.39%	-6.66%	-8.78%	18.73%	7.25%
S&P 500		4,016.22	0.42	-0.02%	2.22%	6.16%	4.60%	7.08%	-5.28%	-19.44%	26.89%	16.26%
NASDAQ		11,313.36	0.25	-0.18%	3.25%	10.77%	8.09%	-1.03%	-4.11%	-33.10%	21.39%	43.64%
Toronto S&P/TSX		20,599.60	0.62	-0.15%	1.10%	6.82%	6.27%	5.10%	-2.21%	-8.66%	21.74%	2.17%
Europe												
FTSE		7,744.87	0.89	-0.16%	-1.10%	3.30%	3.93%	-3.63%	-3.84%	0.91%	14.30%	-14.34%
DAX		15,081.64	0.85	-0.08%	-0.66%	8.30%	8.32%	-4.71%	-5.24%	-12.35%	15.79%	3.55%
CAC 40		7,043.88	0.94	-0.09%	-0.56%	8.19%	8.81%	-2.31%	-2.71%	-9.50%	28.85%	-7.14%
Asia												
Nikkei		27,395.01	0.59	0.35%	2.25%	4.00%	4.98%	1.08%	-1.73%	-9.37%	4.91%	16.01%
Hang Seng		22,044.65	0.72	0.00%	1.69%	10.78%	11.44%	-21.87%	-21.21%	-15.46%	-14.08%	-3.40%
Shanghai		3,264.81	0.63	0.00%	1.25%	5.75%	5.68%	-10.72%	-11.01%	-15.13%	4.80%	13.87%
Sensex		60,205.06	0.74	-1.27%	-1.38%	-1.16%	-1.04%	7.34%	8.31%	4.44%	21.99%	15.75%

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

		52	Movement for the period					Q4 2022	Q3 2022	2022	2021	2020	
			25-Jan-23	wk	Day	Week	Month						YTD
Indices													
MSCI World USD Index		2,756.73	0.51	0.06%	1.59%	5.99%	5.92%	-5.08%	-6.58%	-19.46%	20.14%	14.06%	
MSCI World Net TR USD Index		8,460.62	0.55	0.00%	1.58%	6.04%	5.94%	-4.68%	-7.21%	-18.14%	21.82%	15.90%	
MSCI ACWI-ex-Australia TR AUD Index		13,526.64	0.46	-0.19%	-0.14%	1.31%	1.81%	-0.71%	-0.72%	-12.52%	29.58%	5.73%	
MSCI ACWI Net TR USD Index		337.46	0.56	0.04%	1.50%	6.32%	6.25%	-5.40%	-7.85%	-18.36%	18.54%	16.25%	
MSCI ACWI Minimum Volatility USD		2,156.94	0.51	0.25%	0.66%	2.10%	1.88%	-6.35%	-6.69%	-12.04%	11.95%	0.56%	
MSCI EM Asia Net TR USD Index		619.98	0.59	0.00%	0.92%	9.08%	9.41%	-14.17%	-14.96%	-21.11%	-5.08%	28.38%	
MSCI EM Net TR USD Index		528.33	0.53	0.00%	0.89%	8.50%	8.70%	-10.84%	-12.65%	-20.09%	-2.54%	18.31%	
VIX Volatility S&P500		19.08	0.04	-0.63%	-6.19%	-13.82%	-11.95%	12.73%	10.14%	25.84%	-24.31%	65.09%	
Commodities													
Light Crude WTI Futures	US\$/bbl	80.15	0.17	0.02%	0.84%	1.51%	-0.14%	-22.87%	-24.84%	6.11%	55.89%	-20.54%	
Brent Crude	US\$/bbl	86.15	0.19	-0.30%	1.78%	3.66%	0.28%	-20.40%	-23.39%	9.89%	50.93%	-21.52%	
Gold	US\$/oz	1,959.40	0.80	0.37%	2.75%	7.91%	7.29%	-5.52%	-7.49%	-0.31%	-3.34%	24.42%	
Silver	US\$/oz	23.94	0.68	0.81%	1.24%	0.42%	-0.41%	4.69%	-6.45%	2.67%	-11.35%	47.38%	
Copper	US\$/lb	4.24	0.58	-0.09%	0.24%	10.46%	11.39%	-5.38%	-8.02%	-14.77%	27.05%	25.81%	
Iron Ore	US\$/mt	113.14	0.51	0.00%	2.16%	6.76%	4.15%	-17.35%	-18.16%	-3.57%	-27.05%	81.97%	
Malaysian Palm Oil* RM/tn		3,754	0.11	-3.37%	-2.72%	-7.74%	-10.00%	-32.05%	-34.61%	-19.15%	32.59%	27.95%	
LNG *Jap/Korea	US\$/mmBtu	20.94	0.02	-5.31%	-9.31%	-26.55%	-29.05%	0.50%	0.17%	-3.21%	113.25%	169.81%	
ICCO Cocoa	US\$/mt	2,592	0.67	0.27%	-1.07%	-1.11%	-0.31%	3.18%	2.75%	3.17%	-3.19%	2.48%	
ICO Coffee	US cents/lb	162	0.16	1.63%	4.81%	-6.40%	-2.90%	-5.56%	-5.16%	-26.01%	76.30%	-1.12%	
Equities													
Percentage changes													
Domestic			PGK	Arbitrage	PNGX								
Bank South Pacific		11.95	12.41	0.59	0.00%	0.00%	0.00%	0.00%	0.08%	0.08%	1.31%	2.08%	1.87%
Credit Corporation			1.90	1.00	0.00%	0.00%	2.70%	2.70%	0.00%	0.00%	10.12%	-1.18%	6.25%
City Pharmacy			0.90	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-5.26%	90.00%	-38.27%
Kina Asset Management Limited			0.95	0.00	0.00%	0.00%	0.00%	0.00%	-5.00%	-5.00%	-4.04%	10.00%	-5.26%
Kina Securities Limited		1.95	2.80	0.20	0.00%	0.00%	-3.11%	1.82%	-3.33%	-3.33%	-6.78%	-1.67%	-10.98%
Steamship Trading Company		26.21	35.46	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Santos Limited		18.10	19.10	1.00	0.00%	0.00%	0.00%	0.53%	0.53%				
Australia													
A2 Milk Company Limited		6.68	0.88	-1.33%	-4.02%	-3.05%	-2.91%	20.78%	23.01%	26.01%	-52.31%	-19.93%	
ANZ Banking Group Limited		24.60	0.49	-0.08%	-0.77%	3.40%	3.40%	3.50%	3.50%	-13.52%	21.19%	-7.84%	
BSP Financial Group		4.78	0.06	0.00%	-0.42%	-2.45%	-2.45%	2.46%	1.01%	14.75%	-17.88%		
BHP Billiton Limited		49.24	0.77	-0.95%	0.33%	5.82%	7.91%	-3.62%	-6.62%	9.95%	-2.19%	9.02%	
Boral Limited		3.56	0.26	3.19%	6.27%	24.04%	23.18%	3.50%	3.09%	-52.62%	23.23%	10.49%	
Bougainville Copper Limited		0.32	0.09	-1.56%	0.00%	-10.00%	-10.00%	-19.70%	-15.15%	14.75%	5.17%	-10.77%	
Bank of Queensland		6.95	0.22	0.29%	-0.71%	1.31%	0.72%	-1.94%	-2.40%	-14.71%	4.52%	6.76%	
Brambles Limited		11.72	0.63	0.09%	-0.17%	-3.54%	-2.90%	1.63%	6.54%	13.55%	0.28%	-9.56%	
Commonwealth Bank of Australia		108.83	0.98	0.72%	1.10%	5.56%	6.07%	-0.10%	0.35%	1.58%	23.01%	2.77%	
CSL		296.12	0.89	-0.57%	1.12%	3.69%	2.91%	5.21%	5.93%	-1.02%	2.66%	2.69%	
Fortescue Mining		22.48	0.95	-0.13%	1.26%	7.92%	9.61%	-0.41%	-4.05%	6.77%	-18.01%	119.18%	
Horizon Oil Ltd		0.15	0.75	-3.33%	3.57%	16.00%	11.54%	16.00%	9.26%	41.30%	48.39%	-48.33%	
Kina Securities Ltd		0.78	0.06	0.65%	0.00%	0.65%	0.65%	2.44%	5.59%	-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		185.13	0.57	0.38%	3.08%	10.21%	10.88%	-7.81%	-7.15%	-18.71%	48.32%	0.46%	
Mirvac Group		2.27	0.54	-1.73%	0.44%	3.65%	6.57%	-4.66%	-1.52%	-26.80%	10.23%	-16.98%	
National Australia Bank		31.48	0.72	0.45%	-0.60%	4.17%	4.72%	4.43%	5.18%	4.23%	27.61%	-8.24%	
Newcrest Mining Limited		22.95	0.55	-1.88%	2.73%	10.18%	11.19%	-17.81%	-19.00%	-15.69%	-5.04%	-14.78%	
Origin Energy Ltd		7.32	0.77	0.27%	-0.81%	-5.43%	-5.18%	-6.50%	-9.77%	47.33%	10.08%	-43.67%	
Pilbara Minerals Ltd		5.11	0.89	0.59%	27.43%	39.62%	36.27%	103.13%	99.13%	17.19%	267.82%	210.71%	
Qbe Insurance Group Ltd		13.73	1.00	0.96%	3.00%	2.92%	2.23%	-6.30%	-5.10%	18.33%	33.06%	33.77%	
Rio Tinto Limited		126.50	0.96	-0.74%	3.70%	7.39%	8.67%	-7.22%	-9.07%	16.28%	-12.05%	13.38%	
ResMed Inc		32.96	0.66	-1.14%	0.83%	8.07%	6.46%	10.00%	10.23%	-13.47%	31.40%	24.34%	
Santos Limited		7.24	0.20	-1.63%	-1.63%	-1.90%	1.40%	-0.55%	-4.45%	13.15%	0.64%	-23.35%	
Steamship Trading Company		10.48	0.33	0.00%	0.00%	-0.19%	-0.19%	-15.83%	-15.83%	5.00%	1.52%	-21.20%	
Suncorp Metway Limited		12.71	1.00	-0.08%	6.63%	5.74%	5.56%	-8.96%	-8.65%	8.76%	13.66%	-24.85%	
Sydney Airport		8.72	1.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.46%	35.41%	-25.98%	
Transurban Group		13.71	0.57	-0.29%	1.26%	2.24%	5.62%	-14.62%	-14.19%	-6.08%	1.17%	-8.38%	
Telstra Corporation Limited		4.08	0.84	-0.24%	-0.24%	1.75%	2.26%	0.00%	0.00%	-4.55%	40.27%	-15.82%	
Treasury Wine Estates Limited		14.09	0.93	-1.81%	-0.56%	4.68%	3.53%	8.98%	10.75%	9.94%	31.70%	-42.12%	
Westpac Banking Corporation		23.67	0.82	0.08%	-0.63%	0.77%	1.37%	6.08%	5.85%	9.37%	10.22%	-20.06%	
Worley Limited		15.71	0.96	-1.07%	-0.32%	2.55%	4.73%	-7.73%	-10.60%	41.11%	-7.48%	-24.95%	
Woolworths Limited		34.74	0.36	-0.14%	-0.17%	2.06%	3.52%	-6.24%	-4.63%	-11.71%	-3.31%	8.71%	
International													
iShare MSCI All Asia ex Japan	USD \$	72.29	0.61	0.03%	3.40%	12.13%	11.54%	-13.98%	-15.24%	-21.64%	-7.74%	22.19%	
Blackrock Int Equity Fund*	AUD \$	19.11	0.27	-0.19%	-0.14%	0.53%	1.21%	-3.73%	-4.75%	-15.90%	24.76%	-0.61%	
Blackrock Australian Equity Fund*	AUD \$	1.81	0.61	0.44%	1.39%	3.76%	4.92%	-4.70%	-6.55%	-11.03%	11.82%	-2.28%	
Vanguard International Share*	AUD \$	2.63	0.30	-0.19%	-0.14%	-0.05%	1.23%	-1.76%	-2.83%	-16.11%	23.54%	-0.10%	
Vanguard FTSE World exUS	USD \$	54.82	0.62	0.42%	2.10%	9.88%	9.33%	-9.41%	-11.21%	-18.18%	5.00%	8.58%	
Vanguard FTSE Europe	USD \$	60.81	0.70	0.40%	0.93%	10.10%	9.69%	-10.71%	-12.63%	-18.76%	13.28%	2.80%	
iShares Core MSCI Europe	USD \$	52.06	0.71	0.39%	0.93%	10.18%	9.60%	-10.12%	-12.06%	-18.33%	13.42%	2.83%	
iShares Asia 50	USD \$	66.31	0.63	0.14%	4.82%	17.53%	16.87%	-18.70%	-20.43%	-25.89%	-12.17%	32.08%	
iShares MSCI Japan	USD \$	58.78	0.61	1.21%	2.71%	9.11%	7.97%	-6.26%	-7.53%	-18.70%	-0.89%	14.04%	
Acadian Global Managed Volatility Equity Fund		1.51	0.14	0.00%	-0.83%	-3.08%	-2.21%	-7.15%	-6.92%	-9.88%	10.44%	-11.46%	
Lazard Global Managed Volatility Fund - Australia*		1.00	0.09	0.00%	-1.14%	-4.05%	-2.94%	-16.22%	-16.44%	-13.72%	19.66%	-22.67%	
Robeco Emerging Conservative Equity Fund - Australia		1.35	0.31	-0.01%	1.21%	1.88%	2.50%	-5.45%	-5.34%	-10.12%	13.49%	-15.41%	

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