

Shading Key:

52	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				Q2 2022	Q1 2022	2021	2020	2019
		08-Aug-22	wk	Day	Week	Month	YTD					
Interest Rates												
Central Bank Bills												
				Change to today's price from closing prices of prior period						For interest rates, rate at end of each respective year reported.		
28 days	C-bill auctions on Wednesday;	1.45%		0.00%	0.17%	0.43%	0.16%	-0.06%	-0.21%	1.29%	1.33%	1.39%
60 days	reported Thursday/Friday	2.03%		0.00%	0.26%	0.32%	0.04%	-0.11%	-0.17%	1.99%	2.07%	2.30%
90 days		2.06%	0.00	0.00%	0.17%	0.42%	0.11%	-0.20%	-0.11%	1.95%	2.04%	2.50%
182 days		4.55%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	4.55%	4.55%	4.55%
Treasury Bills												
182 days	Tbill auctions are irregular Wednesdays	1.21%	0.02	0.00%	0.00%	0.00%	-3.08%	-1.12%	-2.02%	4.29%	4.41%	4.68%
273 days		2.75%	0.00	0.00%	0.00%	0.54%	-3.20%	-1.78%	-2.05%	5.95%	6.04%	6.04%
364 days	reported Thursday/Friday	4.40%		0.00%	0.00%	1.65%	-2.64%	-2.50%	-1.99%	7.04%	7.20%	7.08%
Government Inscribed Stock												
GIS 2Y 2022-24	GIS auctions usually monthly	5.00%		0.00%	0.00%	-0.22%	-3.50%			8.50%	8.04%	7.90%
GIS 4Y 2022-26	reported Thursday/Friday	5.74%		0.00%	0.00%	0.00%	-4.10%			-	9.84%	-
GIS 5Y 2022-27		6.38%		0.00%	0.00%	0.00%	-3.32%			9.70%	-	-
GIS 7Y 2022-29		6.20%		0.00%	0.00%	-0.50%	-3.60%			-	-	-
GIS 8Y 2022-30		6.45%		0.00%	0.00%	-0.37%	6.45%			9.90%	-	-
GIS 9Y 2022-31		6.70%		0.00%	0.00%	-0.29%	-3.20%			9.90%	11.82%	10.55%
GIS 10Y 2022-32		6.80%		0.00%	0.00%	-0.20%	-3.10%			9.90%	-	-
Kina Facility Rate												
Ten year Government Bond yields												
United States		2.76%	0.68	-0.07%	0.18%	-0.24%	1.25%	0.67%	0.83%	1.51%	0.91%	1.92%
United Kingdom		1.95%	0.67	-0.10%	0.14%	-0.23%	0.98%	0.62%	0.64%	0.97%	0.20%	0.82%
Australia		3.21%	0.68	0.13%	0.16%	-0.30%	1.54%	0.82%	1.17%	1.67%	0.97%	1.37%
New Zealand		3.41%	0.66	0.06%	0.00%	-0.31%	1.02%	0.64%	0.83%	2.39%	0.99%	1.65%
France		1.44%	0.63	-0.05%	0.09%	-0.42%	1.25%	0.94%	0.78%	0.20%	-0.34%	0.12%
Japan		0.18%	0.66	0.01%	-0.01%	-0.07%	0.10%	0.01%	0.15%	0.07%	0.02%	-0.01%
Australia												
RBA Cash Rate												
		1.85%		0.00%	0.50%	0.50%	1.75%	0.75%	0.00%	0.10%	0.10%	0.75%
PNG CPI Index												
	Latest 12 mth % change	5.70%								4.60%	3.10%	4.00%
Currencies												
Percentage changes												
PGK/USD		0.2840	0.60	0.00%	0.00%	0.00%	-0.35%	0.00%	-0.35%	0.00%	-2.90%	-1.18%
PGK/AUD		0.4094	0.73	0.44%	0.76%	-1.85%	4.23%	8.56%	-3.36%	6.19%	-11.68%	-0.48%
PGK/GBP		0.2351	0.85	0.51%	0.81%	-0.89%	11.32%	8.09%	2.41%	1.00%	-6.57%	-4.40%
PGK/NZD		0.4549	0.85	0.84%	0.86%	-1.24%	8.98%	11.85%	-2.13%	5.78%	-9.52%	-1.45%
PGK/JPY		38.430	0.88	1.48%	2.10%	-1.21%	17.13%	11.97%	5.43%	11.64%	-7.87%	-2.68%
AUD/USD		0.6938	0.24	-0.43%	-0.74%	1.88%	-4.40%	-7.89%	3.10%	-5.83%	9.94%	-0.71%
USD/JPY		135.320	0.88	1.49%	2.12%	-1.21%	17.55%	11.96%	5.79%	11.63%	-5.12%	-1.53%
EUR/USD		1.0185	0.09	-0.43%	-0.33%	0.42%	-9.94%	-6.38%	-1.24%	-8.00%	9.68%	-1.94%
GBP/USD		1.2085	0.13	-0.49%	-0.80%	0.94%	-10.44%	-7.49%	-2.69%	-0.98%	3.90%	3.37%
Equity Indices												
Papua New Guinea												
KS Index		6,279.62	1.00	0.00%	0.00%	0.24%	7.13%	1.51%	5.28%	-3.09%	-3.42%	21.05%
KS Home Index		15,356.56	0.73	0.00%	0.00%	-3.45%	6.71%	10.08%	-3.06%	8.11%	1.50%	14.95%
Australia												
All Ordinaries		7,259.52	0.49	0.13%	0.65%	6.87%	-6.68%	-13.39%	0.13%	13.55%	0.71%	19.14%
S&P/ASX 100		5,859.81	0.51	0.09%	0.21%	5.97%	-4.70%	-11.65%	1.41%	13.28%	-2.06%	18.88%
S&P/ASX 20		3,917.40	0.44	0.16%	0.07%	5.37%	-3.47%	-11.32%	3.21%	12.14%	-1.49%	15.34%
S&P/ASX 50		6,805.30	0.47	-0.08%	-0.07%	5.21%	-4.05%	-11.12%	2.31%	12.37%	-4.86%	19.07%
S&P/ASX 50 Accumulation		82,621.10	0.50	-0.08%	-0.07%	5.21%	-1.85%	-10.55%	4.00%	17.00%	-1.94%	24.43%
S&P/ASX Midcap 50		8,985.10	0.51	1.13%	2.03%	11.00%	-7.99%	-14.95%	-3.46%	18.46%	14.48%	17.68%
S&P/ASX Small Ordinaries		3,020.00	0.41	0.11%	2.86%	11.02%	-14.43%	-20.79%	-5.06%	14.24%	6.62%	17.88%
S&P/ASX 200		7,020.62	0.49	0.07%	0.40%	6.34%	-5.70%	-12.42%	0.74%	13.02%	-1.45%	18.38%
S&P/ASX 200 Accumulation		82,920.20	0.53	0.07%	0.40%	6.34%	-3.71%	-11.90%	2.24%	17.23%	1.40%	23.40%
S&P/ASX 300		7,011.98	0.50	0.09%	0.50%	6.51%	-5.93%	-12.73%	0.60%	13.38%	-1.10%	18.77%
S&P/ASX 200 Energy		10,112.90	0.72	1.85%	-3.11%	3.66%	28.00%	1.45%	25.09%	-1.97%	-29.93%	18.24%
S&P/ASX 200 Materials		16,015.40	0.34	1.83%	1.83%	8.03%	-4.33%	-16.19%	-11.87%	6.84%	13.37%	22.09%
S&P/ASX 200 Industrials		6,466.70	0.65	-1.21%	-0.93%	3.33%	-2.69%	-2.18%	-3.84%	11.24%	-14.10%	22.62%
S&P/ASX 200 Consumer Discretionary		2,888.40	0.29	-1.93%	-0.21%	3.47%	-18.17%	-15.08%	-10.59%	21.31%	8.63%	27.23%
S&P/ASX 200 Consumer Staples		13,618.20	0.66	-0.60%	0.32%	3.68%	0.55%	-3.40%	-1.42%	7.13%	3.57%	17.98%
S&P/ASX 200 Healthcare		43,641.90	0.58	-0.49%	0.74%	4.49%	-3.41%	-1.93%	-10.65%	7.98%	2.97%	41.23%
S&P/ASX 200 Financials		6,356.80	0.58	0.01%	0.61%	8.00%	-2.75%	-14.87%	3.67%	20.20%	-9.00%	7.39%
S&P/ASX 200 Information Technology		1,587.60	0.28	-0.26%	3.41%	13.64%	-25.73%	-27.19%	-14.04%	-2.79%	56.35%	31.81%
S&P/ASX 200 Telecommunication Services		1,456.70	0.38	-1.18%	0.48%	5.04%	-10.63%	-10.12%	-6.92%	28.46%	0.91%	22.31%
S&P/ASX 200 Utilities		8,102.20	0.89	1.40%	1.53%	6.81%	21.06%	0.61%	12.72%	4.56%	-21.52%	10.09%
S&P/ASX 200 A-REIT		1,429.10	0.30	-2.00%	-2.82%	3.63%	-18.55%	-18.85%	-7.71%	21.61%	-7.99%	14.01%
S&P/ASX 200 Financial-x-A-REIT		7,089.90	0.58	0.01%	0.61%	8.00%	-2.75%	-14.87%	3.67%	20.20%	-8.99%	7.39%
North American												
DJIA		32,832.54	0.43	0.09%	0.10%	5.32%	-9.65%	-11.25%	-4.57%	18.73%	7.25%	22.34%
S&P 500		4,140.06	0.42	-0.12%	0.52%	7.41%	-13.14%	-16.45%	-4.95%	26.89%	16.26%	28.88%
NASDAQ		12,644.46	0.37	-0.10%	2.23%	11.18%	-19.18%	-22.44%	-9.10%	21.39%	43.64%	35.23%
Toronto S&P/TSX		19,669.17	0.36	0.25%	-0.12%	4.53%	-7.32%	-13.84%	3.14%	21.74%	2.17%	19.13%
Europe												
FTSE		7,482.37	0.75	0.57%	0.93%	3.97%	1.32%	-4.61%	1.78%	14.30%	-14.34%	12.10%
DAX		13,687.69	0.33	0.84%	1.54%	6.66%	-13.83%	-11.31%	-9.25%	15.79%	3.55%	25.48%
CAC 40		6,524.44	0.46	0.80%	1.36%	8.81%	-8.79%	-11.07%	-6.89%	28.85%	-7.14%	26.37%
Asia												
Nikkei		28,249.24	0.59	0.26%	0.91%	5.36%	-1.88%	-5.13%	-3.37%	4.91%	16.01%	18.20%
Hang Seng		20,045.77	0.20	-0.77%	-0.60%	-5.11%	-14.33%	-0.62%	-5.99%	-14.08%	-3.40%	9.07%
Shanghai		3,236.93	0.42	0.31%	-0.71%	-2.31%	-11.07%	4.50%	-10.65%	4.80%	13.87%	22.30%
Sensex		58,853.07	0.72	0.80%	1.27%	8.20%	1.03%	-9.48%	0.54%	21.99%	15.75%	14.38%

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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

	08-Aug-22	Movement for the period					Q2 2022	Q1 2022	2021	2020	2019	
		52 wk	Day	Week	Month	YTD						
Indices												
MSCI World USD Index	2,758.72	0.36	0.24%	0.34%	7.25%	-14.64%	-16.60%	-5.53%	20.14%	14.06%	25.19%	
MSCI World Net TR USD Index	8,410.75	0.38	0.25%	0.37%	7.32%	-13.79%	-15.26%	-5.15%	21.82%	15.90%	27.67%	
MSCI ACWI-ex-Australia TR AUD Index	13,565.68	0.41	-1.03%	0.10%	3.19%	-10.68%	-7.44%	-8.42%	29.58%	5.73%	27.97%	
MSCI ACWI Net TR USD Index	333.93	0.35	0.21%	0.41%	6.75%	-14.17%	-14.72%	-5.36%	18.54%	16.25%	26.60%	
MSCI ACWI Minimum Volatility USD	2,163.93	0.37	0.35%	0.17%	2.41%	-10.10%	-9.77%	-3.40%	11.95%	0.56%	18.50%	
MSCI EM Asia Net TR USD Index	588.92	0.08	-0.66%	0.36%	0.60%	-18.01%	-8.32%	-8.69%	-5.08%	28.38%	19.24%	
MSCI EM Net TR USD Index	504.13	0.12	-0.10%	0.72%	2.33%	-17.12%	-10.36%	-6.97%	-2.54%	18.31%	18.42%	
VIX Volatility S&P500	21.29	0.29	0.66%	-6.79%	-18.65%	23.64%	39.64%	19.40%	-24.31%	65.09%	-45.79%	
Commodities												
Light Crude WTI Futures	90.76	0.45	1.97%	-3.33%	-12.81%	19.99%	5.46%	32.58%	55.89%	-20.54%	34.46%	
Brent Crude	96.65	0.49	1.82%	-3.38%	-9.76%	23.62%	6.39%	38.03%	50.93%	-21.52%	22.68%	
Gold	1,805.20	0.30	0.78%	0.98%	4.24%	-1.45%	-7.51%	6.67%	-3.34%	24.42%	18.87%	
Silver	20.61	0.28	3.89%	1.24%	7.75%	-11.96%	-19.02%	7.34%	-11.35%	47.38%	15.32%	
Copper	3.59	0.21	0.97%	1.24%	4.55%	-19.78%	-21.91%	6.26%	27.05%	25.81%	6.31%	
Iron Ore	103.52	0.27	3.23%	-0.77%	-5.24%	-8.10%	-16.56%	24.13%	-27.05%	81.97%	20.45%	
Malaysian Palm Oil* RM/tn	4,135	0.10	2.86%	1.03%	-0.05%	-19.85%	-20.39%	23.88%	32.59%	27.95%	51.75%	
LNG *Jap/Korea	44.47	0.80	-0.43%	-0.80%	14.50%	45.83%	9.10%	16.20%	113.25%	169.81%	-41.08%	
ICCO Cocoa	2,340	0.24	1.52%	0.04%	0.69%	-7.14%	-13.55%	5.16%	-3.19%	2.48%	5.13%	
ICO Coffee	212	0.42	1.15%	-0.63%	-2.33%	-6.30%	3.18%	0.13%	76.30%	-1.12%	27.34%	
Equities												
Domestic												
PGK K												
Arbitrage												
PNGX												
Bank South Pacific	11.97	0.27	0.00%	0.00%	0.00%	1.31%	2.90%	-1.63%	2.08%	1.87%	14.81%	
Credit Corporation	1.85	0.96	0.00%	0.00%	0.00%	10.12%	15.63%	-4.76%	-1.18%	6.25%	18.52%	
City Pharmacy	0.95	0.50	0.00%	0.00%	-13.64%	0.00%	0.00%	0.00%	90.00%	-38.27%	24.62%	
Kina Asset Management Limited	1.00		0.00%	0.00%	0.00%	1.01%	0.00%	1.01%	10.00%	-5.26%	0.00%	
Kina Securities Limited	2.90	0.36	0.00%	0.00%	0.00%	-1.69%	0.00%	1.69%	-1.67%	-10.98%	27.17%	
Steamship Trading Company	29.68		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Santos Limited	17.22	1.60	0.00%	0.00%			2.70%					
Australia												
A2 Milk Company Limited	4.98	0.29	-1.58%	9.69%	11.16%	-8.79%	-15.90%	-4.40%	-52.31%	-19.93%	38.57%	
ANZ Banking Group Limited	22.91	0.21	-0.17%	0.75%	1.42%	-16.72%	-20.18%	0.33%	21.19%	-7.84%	0.70%	
BSP Financial Group	4.90	0.45	0.00%	-4.85%	-1.80%	14.75%	3.13%	12.41%	-17.88%			
BHP Billiton Limited	39.12	0.20	0.80%	0.05%	2.95%	-5.73%	-20.29%	24.70%	-2.19%	9.02%	13.70%	
Boral Limited	2.97	0.10	-1.00%	2.77%	13.79%	-51.31%	-25.14%	-43.28%	23.23%	10.49%	-9.31%	
Bougainville Copper Limited	0.31	0.06	0.00%	3.33%	-8.82%	1.64%	-56.00%	145.90%	5.17%	-10.77%	103.13%	
Bank of Queensland	7.52	0.32	-0.66%	0.94%	8.20%	-7.05%	-23.16%	7.29%	4.52%	6.76%	-25.26%	
Brambles Limited	11.33	0.63	-2.83%	-2.16%	3.00%	6.59%	8.07%	-6.77%	0.28%	-9.56%	15.47%	
Commonwealth Bank of Australia	102.60	0.67	1.17%	1.50%	10.86%	1.58%	-14.55%	4.72%	23.01%	2.77%	10.37%	
CSL	295.64	0.70	-0.37%	0.25%	2.66%	1.69%	0.34%	-7.76%	2.66%	2.69%	48.93%	
Fortescue Mining	18.96	0.57	4.52%	4.12%	12.52%	-1.30%	-15.15%	7.55%	-18.01%	119.18%	155.13%	
Horizon Oil Ltd	0.13	0.68	-3.70%	-7.14%	4.00%	41.30%	8.00%	35.87%	48.39%	-48.33%	20.00%	
Kina Securities Ltd	0.87	0.36	0.00%	-2.81%	0.58%	1.17%	-5.85%	0.00%	-5.00%	-39.60%	56.84%	
Kina Petroleum Ltd	0.06		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-1.72%	
Macquarie Group Ltd	176.62	0.32	-0.18%	-1.82%	5.22%	-14.01%	-19.07%	-1.04%	48.32%	0.46%	26.88%	
Mirvac Group	2.08	0.09	-1.42%	-3.26%	0.00%	-28.52%	-20.68%	-14.43%	10.23%	-16.98%	41.96%	
National Australia Bank	30.71	0.62	-0.65%	0.43%	10.59%	6.48%	-15.33%	12.17%	27.61%	-8.24%	2.33%	
Newcrest Mining Limited	19.50	0.10	1.83%	1.19%	1.25%	-20.34%	-21.88%	9.23%	-5.04%	-14.78%	38.76%	
Origin Energy Ltd	6.07	0.64	1.34%	0.33%	8.20%	15.84%	-8.03%	18.89%	10.08%	-43.67%	30.60%	
Pilbara Minerals Ltd	2.97	0.55	3.48%	6.07%	29.69%	-7.19%	-28.44%	0.00%	267.82%	210.71%	-55.20%	
Qbe Insurance Group Ltd	11.88	0.66	-1.08%	0.76%	-0.34%	4.67%	5.65%	1.32%	33.06%	-33.77%	27.52%	
Rio Tinto Limited	99.57	0.29	1.87%	0.66%	4.41%	-0.54%	-13.78%	18.98%	-12.05%	13.38%	27.95%	
ResMed Inc	34.57	0.54	0.32%	0.12%	9.19%	-3.38%	-5.34%	-9.39%	31.40%	24.34%	37.56%	
Santos Limited	7.05	0.40	1.44%	-4.47%	0.28%	11.73%	-4.13%	22.66%	0.64%	-23.35%	49.27%	
Steamship Trading Company	12.15	0.81	2.97%	2.97%	1.08%	21.50%	18.93%	0.90%	1.52%	-21.20%	-33.16%	
Suncorp Metway Limited	11.11	0.33	-4.64%	-2.20%	-1.24%	0.36%	-1.26%	0.45%	13.66%	-24.85%	2.61%	
Sydney Airport	8.72	1.00	0.00%	0.00%	0.00%	0.46%	0.00%	0.46%	35.41%	-25.98%	28.68%	
Transurban Group	14.55	0.92	-0.75%	-1.09%	2.61%	5.28%	6.13%	-1.95%	1.17%	-8.38%	27.98%	
Telstra Corporation Limited	4.00	0.51	-0.99%	0.76%	2.83%	-4.31%	-2.78%	-5.26%	40.27%	-15.82%	24.21%	
Treasury Wine Estates Limited	12.39	0.70	-1.04%	0.49%	9.07%	0.08%	-1.99%	-6.46%	31.70%	-42.12%	9.73%	
Westpac Banking Corporation	22.07	0.41	0.50%	1.89%	10.68%	3.37%	-19.55%	13.54%	10.22%	-20.06%	-3.23%	
Worley Limited	14.55	0.86	1.68%	-0.68%	5.66%	36.88%	10.30%	21.45%	-7.48%	-24.95%	34.06%	
Woolworths Limited	38.23	0.59	-0.47%	0.16%	4.97%	0.58%	-4.46%	-1.97%	-3.31%	8.71%	22.91%	
International												
iShare MSCI All Asia ex Japan	USD \$	67.93	0.07	-0.32%	0.77%	1.04%	-17.87%	-7.81%	-9.29%	-7.74%	22.19%	15.56%
Blackrock Int Equity Fund*	AUD \$	19.34	0.28	0.30%	2.38%	5.05%	-13.85%	-8.50%	-7.59%	24.76%	-0.61%	23.52%
Blackrock Australian Equity Fund*	AUD \$	1.70	0.29	0.59%	1.87%	5.19%	-12.55%	-10.96%	-0.08%	11.82%	-2.28%	19.10%
Vanguard International Share*	AUD \$	2.66	0.31	-1.03%	0.09%	3.96%	-14.01%	-8.11%	-9.25%	23.54%	-0.10%	22.72%
Vanguard FTSE World exUS	USD \$	51.41	0.20	0.33%	-0.33%	5.13%	-16.11%	-13.25%	-6.02%	5.00%	8.58%	17.92%
Vanguard FTSE Europe	USD \$	55.09	0.23	0.36%	-0.51%	7.10%	-19.27%	-15.19%	-8.73%	13.28%	2.80%	20.53%
iShares Core MSCI Europe	USD \$	46.90	0.23	0.21%	-0.55%	7.10%	-19.36%	-15.81%	-8.18%	13.42%	2.83%	20.66%
iShares Asia 50	USD \$	59.86	0.02	-0.94%	0.76%	-0.89%	-21.81%	-8.58%	-10.36%	-12.17%	32.08%	19.35%
iShares MSCI Japan	USD \$	55.29	0.15	-0.04%	-2.78%	4.34%	-17.43%	-14.25%	-7.99%	-0.89%	14.04%	16.87%
Acadian Global Managed Volatility Equity Fund		1.52	0.11	0.67%	0.59%	1.47%	-11.11%	-2.24%	-4.12%	10.44%	-11.46%	8.12%
Lazard Global Managed Volatility Fund - Australia*		1.00	0.08	0.48%	0.15%	-14.56%	-16.32%	-0.19%	-1.62%	19.66%	-22.67%	14.95%
Robeco Emerging Conservative Equity Fund - Australia		1.29	0.07	0.28%	0.21%	0.20%	-12.23%	-2.96%	-5.17%	13.49%	-15.41%	10.42%

*Lazard performance since inception 28.02.17

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