

Shading Key: wei
 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 14-Jan-22	52 wk	Movement for the period					Q4 2021	Q3 2021	2021	2020	2019
			Change to today's price from closing prices of prior period									
			Day	Week	Month	YTD						
Interest Rates												
Central Bank Bills												
28 days	1.23%		0.00%	-0.06%	-0.06%	-0.06%	-0.01%	-0.02%	1.29%	1.33%	1.39%	
60 days	1.99%		0.00%	0.00%	0.01%	0.00%	0.00%	-0.02%	1.99%	2.07%	2.30%	
90 days	1.95%	0.00	0.00%	0.00%	0.00%	0.00%	-0.03%	-0.02%	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												
28 days	1.26%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.26%	1.26%	1.26%	
63 days	2.36%	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.36%	2.36%	2.36%	
91 days	2.32%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.32%	2.32%	2.35%	
182 days	4.19%	0.00	0.00%	-0.06%	-0.14%	-0.10%	-0.06%	0.01%	4.29%	4.41%	4.68%	
273 days	5.80%	0.00	0.00%	-0.11%	-0.23%	-0.15%	-0.09%	0.00%	5.95%	6.04%	6.04%	
364 days	6.83%		0.00%	-0.16%	-0.37%	-0.21%	-0.16%	0.00%	7.04%	7.20%	7.08%	
Government Inscribed Stock												
GIS 2Y 2020-22	8.50%		0.00%	0.00%	0.00%		0.00%	0.00%	8.50%	8.04%		
GIS 3Y 2020-23	9.00%		0.00%	0.00%	0.00%		0.00%	0.00%	9.00%	9.00%		
GIS 4Y 2020-24	9.84%		0.00%	0.00%	0.00%		0.00%	0.00%	9.84%	9.84%		
GIS 5Y 2020-25	9.70%		0.00%	0.00%	0.00%		0.00%	0.00%	9.70%	9.86%		
GIS 6Y 2020-26	9.80%		0.00%	0.00%	0.00%		0.00%	0.00%	9.80%	10.02%		
GIS 9Y 2020-29	9.90%		0.00%	0.00%	0.00%		0.00%	0.00%	9.90%	11.82%		
GIS 10Y 2020-30	9.90%		0.00%	0.00%	0.00%		0.00%	0.00%	9.90%	12.53%		
Kina Facility Rate												
Ten year Government Bond yields												
United States	1.78%	1.00	0.08%	0.02%	0.34%	0.27%	-0.04%	0.27%	1.51%	0.91%	1.92%	
United Kingdom	1.15%	0.94	0.05%	-0.03%	0.43%	0.18%	-0.06%	0.46%	0.97%	0.20%	0.82%	
Australia	1.91%	0.82	0.08%	-0.01%	0.37%	0.24%	-0.42%	0.31%	1.67%	0.97%	1.37%	
New Zealand	2.55%	0.93	0.03%	-0.01%	0.17%	0.16%	-0.25%	0.44%	2.39%	0.99%	1.65%	
France	0.33%	0.98	0.04%	0.05%	0.35%	0.14%	-0.07%	0.26%	0.20%	-0.34%	0.12%	
Japan	0.14%	0.88	0.01%	0.00%	0.09%	0.07%	-0.03%	0.05%	0.07%	0.02%	-0.01%	
Australia												
RBA Cash Rate	0.10%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.10%	0.10%	0.75%	
PNG CPI Index												
Latest 12 mth % change	4.30%								4.60%	3.10%	4.00%	
Currencies												
Percentage changes												
PGK/USD	0.2850		0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.0%	-2.9%	-1.2%	
PGK/AUD	0.3910	0.69	-0.1%	-1.7%	-2.5%	-0.5%	3.94%	2.51%	6.2%	-11.7%	-0.5%	
PGK/GBP	0.2076	0.47	-0.1%	-1.3%	-3.8%	-1.7%	2.18%	3.77%	1.0%	-6.6%	-4.4%	
PGK/NZD	0.4149	0.78	-0.2%	-1.7%	-1.8%	-0.6%	5.17%	1.77%	5.8%	-9.5%	-1.4%	
PGK/JPY	32.420	0.82	-0.7%	-1.9%	0.2%	-1.2%	1.33%	2.11%	11.6%	-7.9%	-2.7%	
AUD/USD	0.7290	0.29	0.1%	1.8%	2.6%	0.5%	-3.80%	-2.42%	-5.8%	9.9%	-0.7%	
USD/JPY	113.770	0.82	-0.7%	-1.9%	0.2%	-1.2%	1.32%	2.14%	11.6%	-5.1%	-1.5%	
EUR/USD	1.1480	0.26	0.3%	1.6%	1.8%	1.5%	-3.08%	-2.40%	-8.0%	9.7%	-1.9%	
GBP/USD	1.3733	0.52	0.2%	1.4%	4.0%	1.8%	-2.15%	-3.62%	-1.0%	3.9%	3.4%	
Equity Indices												
Papua New Guinea												
KSII Index	5,853.82	0.23	0.0%	0.0%	-0.1%	-0.1%	0.29%	0.22%	-3.1%	-3.4%	21.1%	
KSII Home Index	14,391.40	0.74	0.0%	0.0%	0.0%	0.0%	-0.45%	5.48%	8.1%	1.5%	15.0%	
Australia												
All Ordinaries	7,717.12	0.80	-1.0%	-0.2%	0.2%	-0.8%	1.83%	-0.45%	13.6%	0.7%	19.1%	
S&P/ASX 100	6,125.49	0.79	-1.1%	-0.2%	0.5%	-0.4%	1.70%	-1.10%	13.3%	-2.1%	18.9%	
S&P/ASX 20	4,061.80	0.62	-1.2%	-0.2%	1.0%	0.1%	0.63%	-3.41%	12.1%	-1.5%	15.3%	
S&P/ASX 50	7,074.50	0.70	-1.1%	-0.3%	0.5%	-0.3%	1.07%	-1.71%	12.4%	-4.9%	19.1%	
S&P/ASX 50 Accumulation	83,956.60	0.86	-1.1%	-0.7%	0.6%	-0.3%	1.69%	-0.12%	17.0%	-1.9%	24.4%	
S&P/ASX Midcap 50	9,669.10	0.82	-1.0%	0.2%	0.3%	-1.0%	5.25%	2.36%	18.5%	14.5%	17.7%	
S&P/ASX Small Ordinaries	3,414.40	0.66	-1.0%	-0.3%	-2.2%	-3.3%	0.76%	1.96%	14.2%	6.6%	17.9%	
S&P/ASX 200	7,393.86	0.77	-1.1%	-0.3%	0.2%	-0.7%	1.65%	-0.82%	13.0%	-1.5%	18.4%	
S&P/ASX 200 Accumulation	85,532.12	0.84	-1.1%	-0.3%	0.3%	-0.7%	2.19%	0.60%	17.2%	1.4%	23.4%	
S&P/ASX 300	7,398.51	0.78	-1.0%	-0.2%	0.2%	-0.7%	1.57%	-0.73%	13.4%	-1.1%	18.8%	
S&P/ASX 200 Energy	8,575.50	0.69	-1.1%	3.4%	7.7%	8.5%	-6.30%	10.41%	-2.0%	-29.9%	18.2%	
S&P/ASX 200 Materials	17,922.90	0.86	-0.4%	3.6%	9.7%	7.1%	12.99%	-19.06%	6.8%	13.4%	22.1%	
S&P/ASX 200 Industrials	6,474.20	0.77	-0.7%	-1.2%	-1.2%	-2.6%	4.54%	1.60%	11.2%	-14.1%	22.6%	
S&P/ASX 200 Consumer Discretionary	3,333.80	0.56	-1.7%	-3.1%	-5.2%	-5.5%	-0.24%	2.15%	21.3%	8.6%	27.2%	
S&P/ASX 200 Consumer Staples	12,582.40	0.19	-1.9%	-4.8%	-5.4%	-7.1%	1.85%	1.81%	7.1%	3.6%	18.0%	
S&P/ASX 200 Healthcare	42,459.80	0.47	-1.5%	-1.5%	-7.0%	-6.0%	-1.04%	0.92%	8.0%	3.0%	41.2%	
S&P/ASX 200 Financials	6,591.90	0.75	-1.0%	-0.5%	2.3%	0.8%	-4.08%	5.47%	20.2%	-9.0%	7.4%	
S&P/ASX 200 Information Technology	1,913.20	0.22	-3.9%	-2.7%	-12.0%	-10.5%	-8.07%	12.14%	-2.8%	56.3%	31.8%	
S&P/ASX 200 Telecommunication Services	1,586.10	0.81	-0.8%	0.5%	-3.1%	-2.7%	6.04%	4.93%	28.5%	0.9%	22.3%	
S&P/ASX 200 Utilities	7,073.40	1.00	0.4%	2.9%	9.2%	5.7%	10.71%	2.39%	4.6%	-21.5%	10.1%	
S&P/ASX 200 A-REIT	1,648.90	0.69	-0.9%	-2.8%	-6.4%	-6.0%	8.48%	3.36%	21.6%	-8.0%	14.0%	
S&P/ASX 200 Financial-x-A-REIT	7,352.10	0.75	-1.0%	-0.5%	2.3%	0.8%	-4.08%	5.47%	20.2%	-9.0%	7.4%	
North American												
DJIA	35,911.81	0.87	-0.6%	-0.9%	1.0%	-1.2%	1.45%	-3.12%	18.7%	7.2%	22.3%	
S&P 500	4,662.85	0.88	0.1%	-0.3%	0.6%	-2.2%	3.49%	-2.00%	26.9%	16.3%	28.9%	
NASDAQ	14,893.75	0.66	0.6%	-0.3%	-2.3%	-4.8%	0.95%	-1.53%	21.4%	43.6%	35.2%	
Toronto S&P/TSX	21,357.56	0.91	0.3%	1.3%	3.4%	0.6%	0.88%	-1.07%	21.7%	2.2%	19.1%	
Europe												
FTSE	7,542.95	0.98	-0.3%	0.8%	4.5%	2.1%	2.03%	0.77%	14.3%	-14.3%	12.1%	
DAX	15,883.24	0.86	-0.9%	-0.4%	2.8%	0.0%	1.25%	-1.83%	15.8%	3.5%	25.5%	
CAC 40	7,143.00	0.88	-0.8%	-1.1%	3.6%	-0.1%	4.72%	-1.40%	28.9%	-7.1%	26.4%	
Asia												
Nikkei	28,124.28	0.30	-1.3%	-1.2%	-1.1%	-2.3%	-0.35%	7.95%	4.9%	16.0%	18.2%	
Hang Seng	24,383.32	0.20	-0.2%	3.8%	3.2%	4.2%	-7.80%	-5.34%	-14.1%	-3.4%	9.1%	
Shanghai	3,521.26	0.46	-1.0%	-1.6%	-3.8%	-3.3%	2.61%	5.03%	4.8%	13.9%	22.3%	
Sensex	61,223.03	0.96	0.0%	2.5%	5.3%	5.1%	-1.78%	12.44%	22.0%	15.8%	14.4%	

Shading Key: w ei

■	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

		14-Jan-22	52 wk	Movement for the period				Q4 2021	Q3 2021	2021	2020	2019
				Day	Week	Month	YTD					
Indices												
MSCI AC Asia-ex-Japan*	USD	618.03	0.24	-0.6%	2.4%	1.6%	1.8%	-2.56%	-1.98%	-4.7%	25.0%	18.2%
MSCI ACWI-ex-Australia*	USD	380.18	0.90	-1.2%	0.2%	0.6%	-1.4%	1.55%	-1.06%	18.7%	16.4%	26.7%
MSCI ACWI-ex-Australia*	TR AUD	14,994.20	0.89	-0.8%	-1.1%	-1.2%	-1.3%	5.44%	1.25%	29.6%	5.7%	28.0%
MSCI All Country World Index*	USD	383.80	0.89	-1.2%	0.2%	0.7%	-1.3%	1.50%	-1.73%	18.5%	16.3%	26.6%
MSCI ACWI Minimum Volatility USD		2,341.05	0.80	-0.5%	-0.6%	-0.1%	-2.7%	3.45%	-1.85%	12.0%	0.6%	18.5%
MSCI World Net Local		7,281.96	0.87	-1.3%	-0.4%	0.0%	-2.0%	2.47%	-1.11%	24.2%	13.5%	27.3%
iShare Emerging Markets		50.11	0.25	0.0%	2.5%	3.4%	2.6%	-4.07%	-2.36%	-5.5%	15.2%	14.9%
VIX Volatility S&P500		19.19	0.19	-5.5%	2.3%	-12.3%	11.4%	5.90%	26.86%	-24.3%	65.1%	-45.8%
Commodities												
Light Crude WTI Futures	US\$/bbl	83.82	0.97	2.1%	6.5%	18.5%	10.8%	-9.49%	1.46%	55.9%	-20.5%	34.5%
Brent Crude	US\$/bbl	86.06	1.00	2.3%	5.5%	16.8%	10.1%	-7.35%	2.87%	50.9%	-21.5%	22.7%
Gold	US\$/oz	1,816.50	0.60	-0.3%	1.2%	2.5%	-0.8%	2.69%	-3.31%	-3.3%	24.4%	18.9%
Silver	US\$/oz	22.92	0.18	-1.1%	2.3%	4.5%	-2.1%	-2.23%	-13.70%	-11.3%	47.4%	15.3%
Copper	US\$/lb	4.42	0.72	-2.8%	0.6%	3.8%	-1.1%	2.36%	-8.78%	27.1%	25.8%	6.3%
Iron Ore	US\$/mt	119.39	0.25	1.5%	0.3%	21.4%	6.0%	-1.93%	-38.57%	-27.0%	82.0%	20.5%
Malaysian Palm Oil* RM/tn		5,300	0.92	-0.6%	-0.6%	2.9%	2.7%	-4.50%	3.80%	32.6%	28.0%	51.7%
LNG *Jap/Korea	US\$/mmBtu	32.85	0.62	0.7%	-3.3%	-8.2%	7.7%	1.65%	110.74%	113.3%	169.8%	-41.1%
ICCO Cocoa	US\$/mt	2,659	0.77	1.9%	5.5%	2.9%	5.5%	-0.94%	12.09%	-3.2%	2.5%	5.1%
ICO Coffee	US\$/lb	240	0.92	1.1%	0.5%	1.1%	6.0%	10.86%	8.05%	76.3%	-1.1%	27.3%
Equities												
Domestic												
				Percentage changes								
				Arbitrage								
				PNGX								
Bank South Pacific	PGK K	10.26	0.00	0.0%	0.0%	-2.4%	-2.0%	-0.41%	0.00%	2.1%	1.9%	14.8%
Credit Corporation			0.00	0.0%	0.0%	0.0%	0.0%	-0.59%	0.00%	-1.2%	6.3%	18.5%
City Pharmacy			0.90	0.0%	0.0%	0.0%	0.0%	0.00%	25.00%	90.0%	-38.3%	24.6%
Kina Asset Management Limited			0.99	0.0%	0.0%	0.0%	0.0%	-1.00%	0.00%	10.0%	-5.3%	0.0%
Kina Securities Limited		2.19	3.00	1.7%	1.7%	11.1%	1.7%	-7.81%	0.00%	-1.7%	-11.0%	27.2%
Steamship Trading Company		25.60	35.46	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.0%	0.0%	0.0%
Australia												
A2 Milk Company Limited		5.33	0.04	-2.0%	-2.9%	-3.4%	-2.4%	-12.64%	6.48%	-52.3%	-19.9%	38.6%
ANZ Banking Group Limited		28.39	0.80	0.0%	-0.1%	3.3%	3.2%	-2.24%	1.59%	21.2%	-7.8%	0.7%
BSP Financial Group		4.01	0.01	0.0%	0.0%	-6.7%	-22.9%					
BHP Billiton Limited		46.68	0.60	-0.4%	5.1%	13.1%	12.5%	13.45%	-29.69%	-2.2%	9.0%	13.7%
Boral Limited		5.78	0.37	-2.5%	-4.9%	-4.9%	-5.2%	-4.39%	-14.48%	23.2%	10.5%	-9.3%
Bougainville Copper Limited		0.36	0.15	9.1%	9.1%	12.5%	18.0%	-23.75%	-23.40%	5.2%	-10.8%	103.1%
Bank of Queensland		8.23	0.29	-1.3%	0.0%	3.1%	1.7%	-8.07%	3.77%	4.5%	6.8%	-25.3%
Brambles Limited		10.37	0.19	-1.8%	-2.7%	-2.5%	-2.4%	5.88%	-7.31%	0.3%	-9.6%	15.5%
Commonwealth Bank of Australia		100.85	0.68	-1.2%	-2.0%	3.4%	-0.1%	-3.52%	4.70%	23.0%	2.8%	10.4%
CSL		276.00	0.42	-2.0%	-2.1%	-7.2%	-5.1%	-3.25%	1.55%	2.7%	2.7%	48.9%
Fortescue Mining		21.37	0.60	-0.1%	3.8%	14.3%	11.2%	37.90%	-39.94%	-18.0%	119.2%	155.1%
Horizon Oil Ltd		0.10	0.51	1.0%	4.3%	7.7%	6.5%	0.00%	-25.00%	48.4%	-48.3%	20.0%
Kina Securities Ltd		0.86	0.16	-1.2%	0.6%	2.4%	0.0%	3.01%	-7.11%	-5.0%	-39.6%	56.8%
Kina Petroleum Ltd		0.06		0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.0%	0.0%	-1.7%
Macquarie Group Ltd		206.72	0.92	-1.0%	-2.4%	1.3%	0.6%	3.83%	16.00%	48.3%	0.5%	26.9%
Mirvac Group		2.83	0.67	1.8%	-1.4%	-4.1%	-2.7%	3.19%	4.55%	10.2%	-17.0%	42.0%
National Australia Bank		29.38	0.88	-0.6%	-0.1%	3.2%	1.9%	0.45%	7.33%	27.6%	-8.2%	2.3%
Newcrest Mining Limited		24.71	0.38	0.0%	2.8%	6.3%	0.9%	-1.65%	-14.53%	-5.0%	-14.8%	38.8%
Oil Search Limited		4.04	0.42	0.0%	0.0%	0.0%	0.0%	-5.83%	15.22%	8.9%	-48.8%	1.3%
Origin Energy Ltd		5.75	1.00	0.9%	5.5%	14.3%	9.7%	3.76%	15.09%	10.1%	-43.7%	30.6%
Pilbara Minerals Ltd		3.72	1.00	-0.3%	6.3%	35.3%	16.3%	45.45%	15.82%	267.8%	210.7%	-55.2%
Qbe Insurance Group Ltd		12.05	0.87	-1.0%	-1.1%	3.3%	6.2%	-4.06%	7.07%	33.1%	-33.8%	27.5%
Rio Tinto Limited		110.60	0.49	-1.0%	6.7%	12.7%	10.5%	10.88%	-24.91%	-12.1%	13.4%	27.9%
ResMed Inc		34.79	0.66	3.6%	2.7%	-5.9%	-2.8%	-3.74%	3.13%	31.4%	24.3%	37.6%
Steamship Trading Company		10.01	0.99	0.0%	0.1%	11.1%	0.1%	11.11%	0.00%	1.5%	-21.2%	-33.2%
Suncorp Metway Limited		11.60	0.58	-0.9%	0.0%	7.4%	4.8%	-5.55%	8.84%	13.7%	-24.8%	2.6%
Sydney Airport		8.65	0.98	-0.5%	-0.6%	1.2%	-0.3%	5.98%	5.51%	35.4%	-26.0%	28.7%
Transurban Group		13.30	0.35	-0.9%	-1.6%	-3.3%	-3.8%	2.83%	-0.98%	1.2%	-8.4%	28.0%
Telstra Corporation Limited		4.22	1.00	0.0%	1.4%	2.7%	1.0%	9.42%	3.97%	40.3%	-15.8%	24.2%
Treasury Wine Estates Limited		11.60	0.59	-2.3%	-6.5%	-5.0%	-6.3%	7.47%	4.20%	31.7%	-42.1%	9.7%
Westpac Banking Corporation		21.45	0.15	-1.3%	-1.4%	2.5%	0.5%	-16.83%	6.04%	10.2%	-20.1%	-3.2%
Worley Limited		11.42	0.68	1.6%	4.4%	9.0%	7.4%	-1.76%	-11.28%	-7.5%	-25.0%	34.1%
Woolworths Limited		35.01	0.00	-2.9%	-6.3%	-6.5%	-7.9%	-0.18%	1.52%	-3.3%	8.7%	22.9%
Woodside Petroleum Limited		24.82	0.73	-0.3%	9.3%	11.7%	13.2%	-5.72%	8.99%	-3.6%	-33.9%	9.8%
International												
iShare MSCI All Asia ex Japan	USD \$	84.37	0.19	-0.1%	2.0%	2.5%	2.0%	-4.13%	-3.13%	-7.7%	22.2%	15.6%
Blackrock Int Equity Fund*	AUD \$	21.93	0.88	-1.5%	-1.9%	-1.9%	-2.3%	6.34%	1.34%	24.8%	-0.6%	23.5%
Blackrock Australian Equity Fund*	AUD \$	1.90	0.84	0.5%	-1.1%	-0.1%	-2.0%	1.58%	-1.44%	11.8%	-2.3%	19.1%
Vanguard International Share*	AUD \$	3.00	0.85	-1.5%	-1.7%	-2.4%	-2.9%	6.29%	1.25%	23.5%	-0.1%	22.7%
Vanguard FTSE World exUS	USD \$	62.01	0.51	0.0%	1.1%	2.1%	1.2%	-2.16%	-2.45%	5.0%	8.6%	17.9%
Vanguard FTSE Europe	USD \$	68.29	0.79	-0.3%	-0.2%	3.3%	0.1%	-0.97%	-4.23%	13.3%	2.8%	20.5%
iShares Core MSCI Europe	USD \$	58.26	0.81	-0.3%	-0.2%	4.3%	0.2%	-1.22%	-3.79%	13.4%	2.8%	20.7%
iShares Asia 50	USD \$	79.37	0.19	0.3%	3.3%	3.3%	3.7%	-4.31%	-6.85%	-12.2%	32.1%	19.3%
iShares MSCI Japan	USD \$	67.23	0.21	-0.1%	0.8%	0.6%	0.4%	-2.11%	4.68%	-0.9%	14.0%	16.9%
Acadian Global Managed Volatility Equity Fund		1.69	0.51	-0.8%	-1.3%	-0.8%	-1.6%	-2.58%	2.82%	10.4%	-11.5%	8.1%
Lazard Global Managed Volatility Fund - Australia*		1.16	0.78	-0.7%	-1.8%	-1.6%	-2.1%	8.39%	1.38%	19.7%	-22.7%	14.9%
Robeco Emerging Conservative Equity Fund - Australia		1.50	0.93	-0.5%	2.3%	2.7%	2.5%	4.31%	3.46%	13.5%	-15.4%	10.4%

*Lazard performance since inception 28.02.17

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