

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	52	Movement for the period				Q2 2020	Q1 2020	2019	2018	2017
		10-Aug-20	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; reported Thursday/Friday	1.37%		0.00%	0.00%	-0.01%	-0.02%	-0.01%	0.00%	1.39%	1.39%	1.41%
60 days		2.23%		0.00%	0.00%	0.00%	-0.07%	-0.04%	-0.03%	2.30%	2.35%	2.35%
90 days		2.44%	0.00	0.00%	0.00%	0.00%	-0.06%	-0.04%	-0.02%	2.50%	2.51%	2.51%
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%	2.40%
91 days		2.32%	0.00	0.00%	0.00%	0.00%	-0.03%	0.00%	-0.03%	2.35%	2.39%	2.45%
182 days	Tbill auctions are irregular Wed	4.71%	1.00	0.00%	0.00%	0.02%	0.03%	-0.03%	0.01%	4.68%	4.71%	4.73%
273 days		6.03%	0.00	0.00%	0.00%	0.00%	-0.01%	0.00%	0.00%	6.04%	6.72%	6.76%
364 days	reported Thursday/Friday	7.19%	0.96	0.00%	0.01%	0.02%	0.11%	0.08%	0.04%	7.08%	7.93%	8.03%
Government Inscribed Stock												
GIS 2Y 2020-22	GIS auctions usually monthly	8.04%		0.00%	0.00%							*new issuance - 2020
GIS 3Y 2020-23	reported Thursday/Friday	9.00%		0.00%	0.00%							*new issuance - 2020
GIS 4Y 2020-24		9.86%		0.00%	0.00%							*new issuance - 2020
GIS 5Y 2020-25		9.86%		0.00%	0.00%							*new issuance - 2020
GIS 6Y 2020-26		10.09%		0.00%	0.00%							*new issuance - 2020
GIS 9Y 2020-29		11.92%		0.00%	0.00%							*new issuance - 2020
GIS 10Y 2020-30		12.53%		0.00%	0.00%							*new issuance - 2020
Kina Facility Rate		3.00%	0.00	0.00%	0.00%					5.50%	6.25%	6.25%
Ten year Government Bond yields												
United States		0.58%	0.05	0.01%	0.02%	-0.04%	-1.34%	-0.01%	-1.25%	1.92%	2.68%	2.41%
United Kingdom		0.13%	0.07	-0.01%	0.03%	-0.06%	-0.69%	-0.18%	-0.47%	0.82%	1.28%	1.19%
Australia		0.86%	0.29	0.04%	0.05%	-0.04%	-0.51%	0.11%	-0.61%	1.37%	2.32%	2.63%
New Zealand		0.78%	0.15	0.01%	0.03%	-0.20%	-0.88%	-0.16%	-0.57%	1.65%	2.37%	2.72%
France		-0.24%	0.25	-0.02%	-0.04%	-0.14%	-0.36%	-0.10%	-0.13%	0.12%	0.71%	0.79%
Japan		0.01%	0.81	0.00%	-0.01%	-0.03%	0.02%	0.01%	0.03%	-0.01%	0.00%	0.05%
Australia	RBA Cash Rate	0.25%		0.00%	0.00%	0.00%	-0.50%	0.00%	-0.50%	0.75%	1.50%	1.50%
PNG CPI Index	Latest 12 mth % change	3.10%							1.10%	2.90%	4.30%	5.10%
Currencies												
Percentage changes												
PGK/USD		0.2880	0.00	0.0%	0.0%	0.0%	-1.9%	-1.0%	-0.5%	-1.2%	-4.0%	-1.7%
PGK/AUD		0.4019	0.02	0.6%	-0.3%	-2.6%	-4.0%	-10.5%	12.4%	-0.5%	6.1%	-8.9%
PGK/GBP		0.2204	0.05	0.5%	0.2%	-3.1%	-1.5%	-0.4%	5.6%	-4.4%	1.8%	-10.3%
PGK/NZD		0.4357	0.07	1.0%	0.4%	-0.5%	-0.1%	-6.8%	11.0%	-1.4%	1.5%	-3.7%
PGK/JPY		30.460	0.14	0.3%	-0.1%	-1.1%	-4.5%	-1.4%	-1.0%	-2.7%	-6.1%	-5.0%
AUD/USD		0.7166	0.97	-0.6%	0.3%	2.7%	2.2%	10.5%	-11.5%	-0.7%	-9.5%	7.8%
USD/JPY		105.780	0.34	0.3%	0.0%	-1.1%	-2.7%	-0.4%	-0.5%	-1.5%	-2.1%	-3.4%
EUR/USD		1.1795	0.49	-0.4%	0.2%	4.1%	5.2%	1.8%	-1.7%	-1.9%	-4.4%	13.4%
GBP/USD		1.3069	0.79	-0.5%	-0.2%	3.2%	-0.4%	-0.6%	-5.8%	3.4%	-5.7%	9.6%
Equity Indices												
Papua New Guinea												
Percentage changes												
KSI Index		5,751.23	0.34	0.0%	0.0%	12.3%	-8.2%	-8.4%	-10.8%	21.1%	-5.4%	13.6%
KSI Home Index		13,330.29	0.53	0.0%	0.0%	0.3%	1.6%	-0.7%	2.1%	15.0%	4.8%	2.5%
Australia												
All Ordinaries		6,247.07	0.63	1.7%	3.2%	2.6%	-8.2%	17.4%	-24.9%	19.1%	-7.4%	7.8%
S&P/ASX 100		5,048.30	0.59	1.8%	3.1%	2.1%	-8.9%	15.7%	-24.0%	18.9%	-6.5%	6.2%
S&P/ASX 20		3,354.70	0.53	2.1%	3.4%	1.6%	-8.7%	12.0%	-21.0%	15.3%	-5.2%	2.1%
S&P/ASX 50		5,963.00	0.54	1.9%	3.2%	2.1%	-10.1%	13.4%	-23.3%	19.1%	-5.9%	4.6%
S&P/ASX 50 Accumulation		67,011.30	0.57	1.9%	3.3%	2.1%	-8.7%	13.7%	-22.3%	24.4%	-1.5%	9.5%
S&P/ASX Midcap 50		7,077.00	0.81	1.1%	2.4%	2.1%	-1.7%	30.1%	-27.8%	17.7%	-10.5%	17.9%
S&P/ASX Small Ordinaries		2,714.60	0.71	1.0%	3.4%	3.4%	-6.3%	23.5%	-27.4%	17.9%	-11.3%	16.3%
S&P/ASX 200		6,110.20	0.60	1.8%	3.1%	2.2%	-8.6%	16.2%	-24.0%	18.4%	-6.9%	7.0%
S&P/ASX 200 Accumulation		67,259.29	0.62	1.8%	3.2%	2.3%	-7.2%	16.5%	-23.1%	23.4%	-2.8%	11.8%
S&P/ASX 300		6,074.14	0.60	1.7%	3.1%	2.2%	-8.6%	16.5%	-24.3%	18.8%	-7.1%	7.2%
S&P/ASX 200 Energy		7,443.90	0.34	0.9%	4.6%	0.6%	-35.3%	28.0%	-48.9%	18.2%	-10.8%	20.6%
S&P/ASX 200 Materials		14,858.60	0.99	1.1%	4.0%	7.4%	7.5%	26.1%	-23.7%	22.1%	-2.3%	18.5%
S&P/ASX 200 Industrials		5,629.20	0.44	1.7%	2.0%	1.6%	-19.1%	14.8%	-28.3%	22.6%	-3.8%	13.9%
S&P/ASX 200 Consumer Discretionary		2,584.90	0.75	2.0%	5.1%	6.5%	-3.5%	30.1%	-30.1%	27.2%	-10.7%	9.6%
S&P/ASX 200 Consumer Staples		13,295.60	0.85	2.2%	2.1%	2.6%	8.9%	7.2%	-4.3%	18.0%	1.0%	15.4%
S&P/ASX 200 Healthcare		41,580.80	0.48	1.7%	0.3%	0.4%	2.3%	2.3%	1.5%	41.2%	17.3%	24.0%
S&P/ASX 200 Financials		4,821.60	0.40	2.6%	3.9%	-0.7%	-19.3%	12.5%	-28.7%	7.4%	-14.8%	-0.4%
S&P/ASX 200 Information Technology		1,703.30	0.94	1.3%	3.6%	1.4%	21.1%	48.7%	-24.9%	31.8%	5.5%	22.9%
S&P/ASX 200 Telecommunication Services		1,245.70	0.65	0.8%	1.4%	-0.1%	-0.9%	13.5%	-17.3%	22.3%	-21.4%	-26.6%
S&P/ASX 200 Utilities		7,841.60	0.70	2.4%	2.2%	1.3%	-3.9%	4.1%	-10.3%	10.1%	-10.1%	4.5%
S&P/ASX 200 A-REIT		1,240.50	0.43	1.3%	2.6%	1.3%	-20.9%	18.3%	-34.8%	14.0%	-2.1%	0.7%
S&P/ASX 200 Financial-x-A-REIT		5,377.70	0.40	2.6%	3.9%	-0.7%	-19.3%	12.5%	-28.7%	7.4%	-14.8%	-0.4%
North American												
DJIA		27,791.44	0.84	1.3%	4.2%	6.5%	-2.6%	17.8%	-23.2%	22.3%	-5.6%	25.1%
S&P 500		3,360.47	0.98	0.3%	2.0%	6.5%	4.0%	20.0%	-20.0%	28.9%	-6.2%	19.4%
NASDAQ		10,968.36	0.97	-0.4%	0.6%	5.6%	22.2%	30.6%	-14.2%	35.2%	-3.9%	28.2%
Toronto S&P/TSX		16,605.50	0.80	0.4%	2.7%	6.2%	-2.7%	16.0%	-21.6%	19.1%	-11.6%	6.0%
Europe												
FTSE		6,050.59	0.39	0.3%	0.3%	-2.0%	-19.8%	8.8%	-24.8%	12.1%	-12.5%	7.6%
DAX		12,687.53	0.79	0.1%	0.3%	-0.9%	-4.2%	23.9%	-25.0%	25.5%	-18.3%	12.5%
CAC 40		4,909.51	0.49	0.4%	0.7%	-2.9%	-17.9%	12.3%	-26.5%	26.4%	-11.0%	9.3%
Asia												
Nikkei		22,329.94	0.77	0.0%	0.6%	-2.0%	-5.6%	17.8%	-20.0%	18.2%	-12.1%	19.1%
Hang Seng		24,377.43	0.36	-0.6%	-0.3%	-5.4%	-13.5%	3.5%	-16.3%	9.1%	-13.6%	36.0%
Shanghai		3,379.25	0.91	0.8%	0.3%	-1.9%	10.8%	8.5%	-9.8%	22.3%	-24.6%	6.6%
Sensex		38,182.08	0.76	0.4%	3.4%	4.1%	-7.4%	18.5%	-28.6%	14.4%	5.9%	27.9%

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

		10-Aug-20	Movement for the period				Q2 2020	Q1 2020	2019	2018	2017		
			52 wk	Day	Week	Month						YTD	
Indices													
MSCI AC Asia-ex-Japan*	USD	532.58	0.94	-0.4%	1.1%	1.7%	4.5%	16.7%	-18.4%	18.2%	-14.4%	41.7%	
MSCI ACWI-ex-Australia*	USD	281.57	0.94	0.0%	2.1%	4.0%	1.0%	18.4%	-20.7%	26.7%	-9.4%	24.1%	
MSCI ACWI-ex-Australia*	TR AUD	10,984.62	0.62	0.0%	0.3%	1.2%	-0.9%	5.6%	-8.7%	28.0%	1.5%	13.4%	
MSCI All Country World Index*	USD	284.90	0.94	0.2%	1.5%	4.2%	0.9%	19.2%	-21.4%	26.6%	-9.4%	24.0%	
MSCI ACWI Minimum Volatility USD		2,034.45	0.72	-0.1%	0.9%	3.5%	-4.8%	9.0%	-16.5%	18.5%	-3.5%	15.6%	
MSCI World Net Local		5,290.29	0.89	0.2%	1.5%	3.6%	0.3%	18.5%	-20.1%	27.3%	-7.4%	18.5%	
iShare Emerging Markets		43.98	0.85	0.3%	0.9%	2.4%	-2.0%	17.2%	-23.9%	14.9%	-17.1%	34.6%	
VIX Volatility S&P500		22.13	0.15	-0.4%	-8.9%	-31.3%	60.6%	-43.2%	288.5%	-45.8%	130.3%	-21.4%	
Commodities													
Light Crude WTI Futures	US\$/bbl	41.94	0.79	1.7%	2.3%	4.6%	-31.3%	91.7%	-66.5%	34.5%	-24.8%	12.5%	
Brent Crude	US\$/bbl	44.99	0.52	1.3%	1.9%	6.5%	-31.8%	81.0%	-65.5%	22.7%	-19.5%	17.7%	
Gold	US\$/oz	2,039.70	0.95	0.6%	2.7%	12.4%	33.9%	12.8%	4.8%	18.9%	-2.1%	13.7%	
Silver	US\$/oz	29.26	1.00	6.2%	19.8%	47.9%	63.3%	31.7%	-21.0%	15.3%	-9.4%	7.2%	
Copper	US\$/lb	2.86	0.89	2.5%	-1.7%	-3.2%	2.3%	22.5%	-20.3%	6.3%	-20.3%	31.7%	
Iron Ore	US\$/mt	114.47	0.98	-0.8%	4.8%	10.3%	34.9%	22.1%	-3.4%	20.5%	-0.5%	-10.0%	
Malaysian Palm Oil* RM/tn		2,868	0.77	-0.6%	0.6%	15.5%	-5.7%	-6.7%	-16.1%	51.7%	-18.0%	-24.1%	
LNG *Jap/Korea	US\$/mmBtu	2.84	0.17	2.0%	5.8%	31.8%	-46.4%	-25.2%	-45.8%	-41.1%	-19.5%	42.2%	
ICCO Cocoa	US\$/mt	2,495	0.43	-2.0%	1.1%	8.0%	-1.8%	0.1%	-11.5%	5.1%	27.7%	-11.0%	
ICO Coffee	US\$/lb	113	0.47	-2.5%	-4.5%	15.6%	-13.2%	-16.3%	-7.8%	27.3%	-19.3%	-7.9%	
Equities													
Domestic													
	PGK K	Arbitrage	PNGX	Percentage changes									
Bank South Pacific			12.00	0.55	0.0%	0.0%	0.0%	1.9%	0.0%	1.9%	14.8%	8.0%	5.6%
Credit Corporation			1.70	0.80	0.0%	0.0%	3.0%	6.3%	-2.9%	6.3%	18.5%	-18.2%	-12.2%
City Pharmacy			0.55	0.16	0.0%	0.0%	0.0%	-32.1%	-31.3%	24.6%	-13.3%	-25.0%	
Kina Petroleum Limited	0.14		0.60		0.0%	0.0%	0.0%	0.0%	0.0%	-14.3%	75.0%	0.0%	
Kina Asset Management Limited			0.95		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.1%	
Kina Securities Limited	2.35		3.30	0.79	0.0%	0.0%	0.0%	-2.1%	0.0%	27.2%	6.0%	-7.4%	
Airlines PNG			0.12		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-20.0%	
Steamship Trading Company	24.01		35.46	1.20	0.0%	0.0%	0.0%	0.0%	0.0%	609.2%	0.0%	0.0%	
Oil Search Limited	7.61		10.00	0.10	0.0%	0.0%	8.7%	-42.2%	-31.9%	-22.0%	-5.2%	1.3%	3.0%
Newcrest Mining Limited	90.20		75.00	0.57	0.0%	0.0%	15.4%	7.1%	0.0%	-7.1%	38.6%	-11.4%	23.9%
Australia													
A2 Milk Company Limited			19.09	0.90	0.5%	-1.7%	-2.6%	33.5%	12.4%	16.1%	38.6%	40.0%	261.3%
ANZ Banking Group Limited			18.17	0.28	2.8%	5.5%	-2.5%	-26.2%	9.9%	-31.1%	0.7%	-14.9%	-5.5%
BHP Billiton Limited			39.84	0.91	1.4%	6.7%	7.8%	2.4%	23.6%	-25.5%	13.7%	15.8%	18.0%
Boral Limited			3.75	0.58	1.1%	4.7%	1.1%	-16.3%	84.9%	-54.2%	-9.3%	-36.6%	44.0%
Bougainville Copper Limited			0.26	0.41	-8.9%	-7.3%	6.3%	-21.5%	38.2%	-47.7%	103.1%	-40.7%	35.0%
Bank of Queensland			6.06	0.27	2.7%	5.0%	-2.1%	-16.4%	23.4%	-31.0%	-25.3%	-23.7%	7.2%
Brambles Limited			10.95	0.43	1.5%	0.2%	-0.3%	-6.6%	2.9%	-9.9%	15.5%	0.8%	-18.8%
Commonwealth Bank of Australia			73.98	0.54	3.4%	5.8%	2.6%	-7.4%	12.3%	-22.6%	10.4%	-9.9%	-2.5%
CSL			279.52	0.45	1.9%	0.9%	-0.7%	1.4%	-3.3%	7.6%	48.9%	31.0%	40.7%
Fortescue Mining			18.49	0.99	2.0%	3.5%	20.4%	73.0%	38.5%	-6.5%	155.1%	-14.1%	-17.1%
Horizon Oil Ltd			0.06	0.14	0.0%	0.0%	-8.1%	-52.5%	32.6%	-61.7%	20.0%	7.5%	66.1%
Kina Securities Ltd			0.95	0.34	0.0%	-0.5%	-6.9%	-36.6%	16.3%	-38.3%	56.8%	27.5%	-29.0%
Kina Petroleum Ltd			0.06		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.7%	-38.9%	5.6%
Macquarie Group Ltd			126.42	0.68	1.4%	3.6%	3.5%	-8.3%	38.3%	-37.8%	26.9%	9.1%	14.4%
Mirvac Group			2.08	0.21	1.0%	-1.0%	-4.6%	-34.6%	3.8%	-34.3%	42.0%	-4.7%	10.3%
National Australia Bank			17.46	0.22	2.9%	3.1%	-3.9%	-29.1%	9.2%	-32.3%	2.3%	-18.6%	-3.6%
Newcrest Mining Limited			36.25	0.89	0.5%	1.7%	8.8%	19.8%	36.8%	-23.8%	38.8%	-4.5%	12.7%
Oil Search Limited			3.06	0.19	0.7%	4.4%	4.1%	-57.8%	33.2%	-67.2%	1.3%	-8.1%	8.6%
Origin Energy Ltd			5.81	0.40	1.4%	4.9%	-0.5%	-31.2%	33.3%	-48.2%	30.6%	-31.3%	42.9%
Pilbara Minerals Ltd			0.41	0.96	-1.2%	15.7%	32.8%	44.6%	47.1%	-39.3%	-55.2%	-43.9%	123.0%
Qbe Insurance Group Ltd			10.05	0.35	1.1%	0.3%	7.7%	-22.0%	3.0%	-33.2%	27.5%	-5.4%	-14.0%
Rio Tinto Limited			101.92	0.82	-0.5%	-1.0%	2.1%	1.5%	15.8%	-15.8%	27.9%	3.5%	26.6%
ResMed Inc			24.62	0.57	-1.8%	-13.6%	-10.8%	12.4%	11.5%	12.7%	37.6%	44.9%	28.1%
Steamship Trading Company			9.65	0.09	0.0%	0.0%	0.0%	-22.8%	-2.5%	-20.0%	-33.2%	8.0%	-21.3%
Suncorp Metway Limited			8.75	0.17	2.3%	3.1%	-1.1%	-32.5%	1.1%	-29.6%	2.6%	-8.9%	2.5%
Sydney Airport			5.39	0.15	0.9%	3.9%	-0.2%	-37.8%	1.4%	-35.5%	28.7%	-4.5%	17.7%
Transurban Group			14.02	0.63	2.5%	0.6%	2.6%	-6.0%	17.4%	-19.2%	28.0%	-6.3%	20.4%
Telstra Corporation Limited			3.39	0.44	0.6%	-0.3%	-2.6%	-4.2%	2.0%	-13.3%	24.2%	-21.5%	-28.8%
Treasury Wine Estates Limited			11.06	0.23	1.3%	3.0%	0.9%	-31.9%	4.5%	-38.2%	9.7%	-7.3%	49.4%
Westpac Banking Corporation			17.32	0.20	3.3%	5.0%	-3.6%	-28.5%	8.8%	-31.9%	-3.2%	-20.1%	-3.8%
Worley Limited			8.72	0.34	0.3%	11.5%	1.0%	-43.0%	41.8%	-59.8%	34.1%	-16.1%	48.8%
Woolworths Limited			40.04	0.62	2.8%	2.6%	4.0%	10.7%	6.2%	-2.9%	22.9%	7.8%	13.3%
Woodside Petroleum Limited			20.29	0.24	-0.3%	1.2%	-5.7%	-41.0%	18.9%	-47.0%	9.8%	-5.3%	6.2%
International													
iShare MSCI All Asia ex Japan	USD \$	76.24	0.94	0.3%	1.2%	2.0%	3.9%	15.9%	-18.7%	15.6%	-16.7%	38.8%	
Blackrock Int Equity Fund*	AUD \$	16.81	0.38	0.5%	1.7%	1.2%	-7.1%	4.9%	-8.8%	23.5%	-6.6%	6.2%	
Blackrock Australian Equity Fund*	AUD \$	1.54	0.50	-0.6%	-0.7%	1.6%	-13.5%	12.9%	-24.4%	19.1%	-11.0%	4.3%	
Vanguard International Share*	AUD \$	2.35	0.45	0.5%	2.2%	1.2%	-6.1%	3.9%	-9.5%	22.7%	-2.9%	5.9%	
Vanguard FTSE World exUS	USD \$	50.72	0.79	0.3%	1.0%	3.2%	-5.6%	16.1%	-23.7%	17.9%	-16.7%	23.9%	
Vanguard FTSE Europe	USD \$	53.60	0.75	0.2%	0.8%	4.3%	-8.5%	16.3%	-26.1%	20.5%	-17.8%	23.4%	
iShares Core MSCI Europe	USD \$	45.44	0.74	0.0%	0.7%	4.3%	-8.9%	15.3%	-25.6%	20.7%	-17.6%	23.3%	
iShares Asia 50	USD \$	71.06	0.94	0.2%	1.4%	3.2%	7.7%	16.5%	-15.6%	19.3%	-16.3%	42.8%	
iShares MSCI Japan	USD \$	56.27	0.75	0.5%	1.5%	1.4%	-5.0%	11.2%	-16.6%	16.9%	-15.4%	22.7%	
Acadian Global Managed Volatility Equity Fund		1.60	0.29	0.8%	1.8%	1.8%	-9.1%	0.7%	-9.9%	8.1%	-6.1%	8.3%	
Lazard Global Managed Volatility Fund - Australia*		1.02	0.03	0.7%	1.2%	0.7%	-20.5%	-1.8%	-7.8%	14.9%	-1.1%		
Robeco Emerging Conservative Equity Fund - Australia		1.24	0.02	-0.5%	-0.6%	-3.2%	-18.6%	0.1%	-16.0%	10.4%	-0.6%	15.7%	

*Lazard performance since inception 28.02.17