

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				Q2 2016	Q1 2015	2015	2014	2013
		27-Jul-16	wk	Day	Week	Month	YTD					
Interest Rates												
Central Bank Bills												
28 days	C-bill auctions on Wednesday;	1.05%	0.00		0.00%	-0.06%	-0.25%	0.0%	-0.2%	1.30%	1.94%	1.84%
60 days	reported Thursday/Friday	2.37%	0.81		0.00%	-0.01%	0.05%	0.1%	0.0%	2.32%	2.85%	2.12%
90 days		2.52%	0.83		2.52%	0.00%	0.00%	0.0%	0.0%	2.52%	2.99%	2.17%
182 days		4.55%			0.00%	0.00%	0.00%	0.0%	0.0%	4.55%	4.55%	2.51%
Treasury Bills												
28 days		1.43%			0.00%	0.00%	1.43%	*historical data tba		1.44%		
63 days		2.40%	0.14		0.00%	0.00%	0.40%	*historical data tba		2.44%		
91 days		2.63%	0.53		0.00%	-0.01%	-0.37%	-0.2%	0.2%	2.58%	0.00%	0.00%
182 days	Tbill auctions are irregular Wednes-	4.72%	0.83		0.00%	0.00%	0.07%	0.0%	0.1%	4.65%	4.65%	2.52%
364 days	reported Thursday/Friday	7.69%	0.91		-0.02%	0.03%	0.09%	0.0%	0.1%	7.60%	7.42%	3.76%
Government Inscribed Stock												
2019/2018/2017	GIS auctions usually monthly	9.00%	0.00		0.00%	-0.97%	0.0%	-1.0%	9.97%	7.95%	4.52%	
2021/2020/2019	reported Thursday/Friday	10.50%	0.00		-1.35%	-0.83%	0.1%	0.4%	11.33%	10.73%	8.01%	
2025/2024/2022		11.50%	0.42		-0.58%	0.34%	0.1%	0.8%	11.16%	11.89%	9.17%	
2029/2027		12.50%	1.00		0.26%	0.50%	0.2%	0.0%	12.00%	12.63%	10.50%	
2031		13.74%			0.00%	0.00%	0.0%	0.0%	13.74%	13.74%	0.00%	
Kina Facility Rate												
6.25%												
Ten year Government Bond yields												
United States		1.50%	0.14	-0.06%	-0.08%	-0.02%	-0.80%	-0.3%	-0.5%	2.29%	2.19%	3.03%
United Kingdom		0.74%	0.00	-0.08%	-0.10%	-0.21%	-1.25%	-0.5%	-0.6%	1.99%	1.76%	3.03%
Australia		1.95%	0.08	0.03%	0.03%	-0.05%	-0.93%	-0.5%	-0.4%	2.88%	2.83%	4.24%
France		0.14%	0.03	-0.06%	-0.08%	-0.08%	-0.85%	-0.3%	-0.5%	0.99%	0.83%	2.43%
Japan		-0.29%	0.00	-0.04%	-0.06%	-0.06%	-0.55%	-0.2%	-0.3%	0.27%	0.33%	0.74%
Australia RBA Cash Rate												
1.75%												
PNG CPI Index Latest 12 mth % change												
6.5%												
Currencies												
Percentage changes												
PGK/USD		0.3155	0.00	0.0%	-0.2%	-0.2%	-5.1%	-2.0%	-3.0%	-14.3%	-2.4%	-17.8%
PGK/AUD		0.4217	0.12	0.6%	0.1%	-1.4%	-7.4%	0.7%	-7.5%	-3.8%	5.9%	-3.9%
PGK/GBP		0.2401	0.85	-0.3%	-0.5%	1.1%	7.0%	5.7%	0.1%	-10.0%	3.9%	-19.4%
PGK/NZD		0.4483	0.10	0.2%	0.1%	0.3%	-7.7%	-5.1%	-3.9%	-1.9%	2.1%	-17.0%
PGK/JPY		33.320	1.22	-0.7%	-0.7%	3.1%	-16.8%	-10.2%	-9.3%	-13.7%	10.9%	-0.2%
AUD/USD		0.7483	0.65	-0.6%	-0.2%	1.3%	2.5%	-2.7%	4.9%	-10.9%	-7.8%	-14.5%
USD/JPY		105.600	0.21	1.1%	-0.5%	3.3%	-12.3%	-8.3%	-6.5%	0.6%	13.6%	21.4%
EUR/USD		1.0995	0.42	-0.2%	-0.2%	-0.6%	0.6%	-2.4%	4.1%	-10.1%	-11.6%	4.2%
GBP/USD		1.3141	0.08	0.3%	0.3%	-1.2%	-11.3%	-7.3%	-3.1%	-4.8%	-6.1%	2.0%
MYR/USD		0.2455	0.59	-0.1%	-1.1%	-0.3%	5.4%	-2.7%	10.6%	-18.3%	-6.4%	-6.8%
Equity Indices												
Papua New Guinea												
Percentage changes												
KS Index		4,698.13	1.00	0.0%	0.1%	1.5%	37.5%	14.7%	18.0%	-2.3%	-9.7%	-14.9%
KS Home Index		9,828.03	1.00	0.1%	0.0%	1.7%	2.4%	6.5%	-5.4%	0.5%	16.9%	-1.9%
Australia												
All Ordinaries		5,615.00	1.00	0.0%	0.9%	7.5%	5.1%	3.1%	-3.6%	-0.8%	0.7%	14.8%
S&P/ASX 100		4,574.20	0.96	0.0%	1.1%	7.7%	4.1%	2.8%	-4.3%	-2.6%	1.5%	16.3%
S&P/ASX 20		3,151.20	0.59	0.1%	1.3%	7.8%	-0.9%	1.5%	-7.7%	-6.4%	0.6%	17.9%
S&P/ASX 50		5,486.70	0.81	0.0%	1.0%	7.5%	2.6%	2.4%	-5.1%	-3.9%	0.7%	16.8%
S&P/ASX Midcap 50		5,847.50	1.00	0.3%	1.6%	8.6%	14.5%	5.4%	1.8%	7.6%	9.2%	12.6%
S&P/ASX Small Ordinaries		2,442.00	0.98	-0.1%	-0.5%	8.2%	12.3%	5.3%	-0.2%	6.4%	-6.8%	-3.8%
S&P/ASX 200		5,539.69	1.00	0.0%	0.9%	7.7%	4.6%	3.0%	-4.0%	-2.1%	1.1%	15.1%
S&P/ASX 300		5,501.22	1.00	0.0%	0.9%	7.7%	4.8%	3.0%	-3.9%	-1.9%	0.8%	14.7%
S&P/ASX 200 Energy		8,424.90	0.48	0.0%	-1.6%	4.9%	5.2%	5.3%	-2.5%	-31.0%	-14.8%	9.8%
S&P/ASX 200 Materials		8,627.90	0.90	1.7%	1.2%	9.1%	22.8%	10.6%	3.3%	-19.5%	-14.5%	-3.7%
S&P/ASX 200 Industrials		5,518.80	1.00	-0.1%	1.5%	8.1%	13.5%	2.4%	4.7%	12.5%	8.9%	11.7%
S&P/ASX 200 Consumer Discretionary		2,202.40	0.99	-0.3%	0.7%	8.3%	10.4%	4.0%	-0.4%	13.8%	-4.2%	36.3%
S&P/ASX 200 Consumer Staples		8,797.00	0.79	-0.4%	1.4%	8.9%	0.1%	-3.6%	-3.7%	-4.2%	-8.4%	12.9%
S&P/ASX 200 Healthcare		22,580.00	0.93	-0.8%	1.1%	9.4%	13.9%	10.2%	-2.4%	13.4%	21.7%	23.5%
S&P/ASX 200 Financials		6,115.50	0.73	-0.1%	1.3%	7.4%	-2.9%	0.2%	-8.3%	0.7%	6.5%	23.6%
S&P/ASX 200 Information Technology		789.30	0.75	0.1%	-1.1%	4.1%	-2.5%	1.0%	-6.4%	3.4%	5.6%	24.3%
S&P/ASX 200 Telecommunication Services		2,114.50	0.68	-0.7%	-1.4%	4.7%	4.4%	4.2%	-3.1%	-2.9%	14.6%	21.8%
S&P/ASX 200 Utilities		7,976.50	0.94	-1.3%	0.3%	7.6%	14.9%	7.2%	1.9%	17.4%	9.9%	2.3%
S&P/ASX 200 A-REIT		1,545.90	0.98	-0.5%	-0.1%	6.3%	19.7%	7.7%	5.5%	8.9%	20.4%	1.1%
S&P/ASX 200 Financial-x-A-REIT		6,720.90	0.53	0.1%	1.6%	7.7%	-7.0%	-1.4%	-10.8%	-0.8%	4.3%	28.1%
North American												
DJIA		18,472.17	0.96	0.0%	-0.7%	4.4%	4.9%	1.4%	0.5%	-1.2%	7.5%	26.5%
S&P 500		2,166.58	0.98	-0.1%	-0.3%	4.6%	5.0%	1.9%	-0.2%	0.2%	11.4%	29.6%
NASDAQ		5,139.81	0.98	0.6%	1.0%	7.5%	1.5%	-0.6%	-3.9%	7.0%	13.4%	38.3%
Toronto S&P/TSX		14,515.00	0.98	0.1%	0.3%	3.9%	11.2%	4.4%	2.9%	-10.5%	7.0%	9.6%
Europe												
FTSE		6,750.43	1.00	0.4%	0.3%	6.1%	7.6%	5.3%	-1.6%	-4.4%	-2.7%	14.4%
DAX		10,319.55	0.55	0.7%	1.8%	7.4%	-3.9%	-2.9%	-7.2%	9.6%	2.7%	25.5%
CAC 40		4,446.96	0.42	1.2%	1.5%	6.0%	-4.9%	-3.4%	-6.2%	9.5%	-0.5%	18.0%
Asia												
Nikkei		16,664.82	0.29	1.7%	-0.1%	7.1%	-12.4%	-7.1%	-12.0%	9.1%	7.1%	57.8%
Hang Seng		22,218.99	0.63	0.4%	1.5%	8.7%	1.4%	0.1%	-5.2%	-7.2%	1.5%	2.6%
Shanghai		2,992.00	0.25	-1.9%	-1.2%	2.1%	-15.7%	-2.5%	-15.4%	9.8%	54.2%	-7.6%
Sensex		28,024.33	0.96	0.2%	0.4%	4.8%	7.9%	6.5%	-2.5%	-1.7%	24.9%	8.1%

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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

28-Jul-16
Reporting closing prices for prior day

	27-Jul-16	52 wk	Movement for the period				YTD	Q2 2016	Q1 2015	2015	2014	2013	
			Day	Week	Month	YTD							
Indices													
MSCI AC Asia-ex-Japan*	USD	361.94	0.99	0.5%	0.9%	8.5%	7.7%	-1.2%	2.1%	-9.4%	5.1%	2.7%	
MSCI ACWI-ex-Australia*	USD	190.09	0.92	0.1%	0.0%	4.6%	3.9%	1.0%	-0.5%	-1.5%	4.7%	23.1%	
MSCI All Country World Index*	USD	192.71	0.92	0.1%	0.4%	7.0%	3.9%	-0.2%	-0.5%	-1.7%	4.4%	22.5%	
iShare Emerging Markets		36.01	0.90	0.3%	0.5%	5.8%	11.5%	0.3%	6.1%	-17.8%	-6.0%	-5.8%	
VIX Volatility S&P500		12.83	0.04	-1.7%	9.0%	-22.9%	-25.8%	12.0%	-19.3%	8.6%	16.0%	-23.9%	
Commodities													
Light Crude (WTI)	US\$/bbl	41.92	0.62	-2.3%	-6.7%	-16.0%	14.3%	26.1%	4.6%	-31.2%	-45.9%	7.2%	
Brent Crude	US\$/bbl	43.47	0.62	-3.1%	-7.8%	-14.1%	18.8%	25.5%	8.2%	-36.2%	-48.3%	-0.3%	
Gold	US\$/oz	1,334.50	0.90	0.5%	1.2%	0.6%	25.7%	6.9%	16.4%	-10.4%	-1.5%	-28.3%	
Silver	US\$/oz	20.00	0.94	1.6%	1.9%	8.6%	43.6%	20.4%	11.1%	-10.7%	-19.5%	-35.9%	
Copper	US\$/lb	2.19	0.47	-1.8%	-3.1%	0.0%	1.8%	0.6%	1.7%	-24.0%	-16.8%	-7.0%	
Iron Ore	US\$/mt	56.00	0.57	0.2%	2.0%	5.3%	29.0%	0.0%	22.6%	-37.4%	-48.1%	-5.3%	
Malaysian Palm Oil* RM/tn		2,356	0.59	0.2%	-1.3%	-1.1%	2.0%	-10.8%	16.5%	0.8%	-12.8%	13.3%	
LNG *Jap/Korea	US\$/mmBtu	6.02	0.47	0.6%	3.9%	11.7%	-13.2%	25.3%	-37.8%	-32.8%	-21.3%	0.0%	
ICCO Cocoa	US\$/mt	2,857	0.15	0.2%	-3.8%	-7.2%	-11.5%	1.8%	-8.6%	11.0%	7.4%	21.2%	
ICO Coffee	US\$/lb	141	0.76	-0.3%	-3.9%	-1.2%	14.2%	13.1%	3.1%	-25.8%	50.5%	-23.0%	
Equities													
Domestic													
	PGK K	Arbitrage	POMSox	Percentage changes									
Bank South Pacific			8.27	1.00	0.0%	0.1%	2.1%	10.3%	8.4%	-0.4%	5.0%	-10.5%	-1.0%
Credit Corporation			1.68	0.08	0.6%	-1.2%	0.6%	-25.3%	0.0%	-25.3%	-13.5%	4.0%	13.6%
City Pharmacy			1.15	0.00	0.0%	0.0%	-2.5%	-13.5%	-8.5%	-3.0%	-7.6%	-26.5%	26.5%
Kina Petroleum Limited			0.40	0.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-46.7%	-21.1%	
Kina Asset Management Limited			0.97	0.80	0.0%	0.0%	0.0%	14.1%	-1.0%	15.3%	-15.0%	-9.1%	22.2%
Kina Securities Limited	2.44		2.41		0.0%	0.0%	0.0%	-9.1%	0.4%	-9.4%	27.4%	**from IPO price K2.08	
Airlines PNG			0.15	0.00	0.0%	0.0%	0.0%	-54.5%	0.0%	-54.5%	0.0%	-5.7%	-2.8%
Steamship Trading Company	42.68		5.00		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Oil Search Limited	17.00		17.15	1.00	0.0%	0.2%	0.9%	22.0%	18.9%	1.7%	-12.1%	-8.7%	30.6%
Highlands Pacific Limited	0.16		0.15	0.00	0.0%	0.0%	0.0%	-25.0%	-25.0%	0.0%	33.3%	-25.0%	-48.7%
Newcrest Mining Limited	55.94		45.00	1.00	0.0%	0.0%	2.3%	73.1%	15.8%	46.2%	8.3%	-20.0%	-40.0%
Australia													
AMP Limited			5.82	0.59	-0.2%	0.9%	15.2%	-0.2%	-10.9%	-0.7%	6.0%	25.3%	-8.7%
ANZ Banking Group Limited			25.69	0.42	0.1%	1.8%	8.9%	-8.0%	2.8%	-16.0%	-13.0%	-0.4%	28.7%
BHP Billiton Limited			19.86	0.47	3.1%	3.2%	8.5%	11.2%	10.6%	-5.6%	-34.9%	-22.7%	2.4%
Bougainville Copper Limited			0.21	0.16	0.0%	-8.7%	5.0%	-12.5%	44.2%	-10.4%	-5.9%	-46.3%	-7.8%
Bank of Queensland			10.55	0.12	0.0%	2.7%	1.5%	-24.3%	-12.6%	-13.1%	14.4%	0.2%	65.4%
Brambles Limited			13.43	0.96	-1.3%	1.7%	11.1%	16.1%	2.2%	4.8%	8.8%	16.2%	21.8%
Commonwealth Bank of Australia			77.94	0.51	-0.1%	1.5%	6.1%	-8.9%	-0.7%	-12.4%	-0.1%	10.1%	25.1%
Coca Cola Amatil			9.04	0.73	-0.2%	-0.4%	11.2%	-2.8%	-6.9%	-4.9%	0.2%	-22.5%	-10.6%
CSL			117.86	0.91	-1.3%	0.7%	8.8%	11.9%	10.6%	-3.7%	21.5%	25.7%	27.9%
Fortescue Mining			4.41	1.00	7.0%	10.3%	28.6%	135.8%	37.3%	36.4%	-31.8%	-52.9%	25.2%
Highlands Pacific Limited			0.07	0.44	1.5%	-1.5%	24.5%	-1.5%	-11.7%	-10.4%	17.5%	-6.6%	-59.3%
Horizon Oil Ltd			0.05	0.02	-2.2%	-2.1%	-6.1%	-42.5%	-36.5%	-7.5%	-50.0%	-47.5%	-29.1%
Kina Securities Ltd			1.03	0.36	0.0%	0.0%	3.0%	-5.5%	11.2%	-14.2%	9.0%	**from IPO price AS1.00	
Macquarie Group Ltd			73.80	0.57	0.1%	0.8%	7.5%	-10.8%	4.3%	-20.2%	42.0%	5.4%	55.8%
Mirvac Group			2.18	0.54	0.0%	-1.4%	7.9%	10.1%	4.4%	-2.3%	11.2%	6.0%	13.1%
National Australia Bank			26.37	0.24	-0.1%	1.0%	6.6%	-12.7%	-3.1%	-13.1%	-10.1%	-3.5%	39.3%
Newcrest Mining Limited			23.59	0.81	3.1%	-2.9%	0.3%	81.9%	35.6%	30.8%	19.1%	39.6%	-64.8%
Oil Search Limited			7.17	0.57	-0.3%	-2.2%	9.5%	7.0%	-1.3%	0.9%	-15.1%	-2.7%	15.7%
Origin Energy Ltd			5.81	0.35	0.5%	-1.0%	5.1%	23.6%	13.0%	8.3%	-59.7%	-17.1%	21.1%
PanAust Ltd			1.84	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	30.0%	-21.4%	-46.1%
Qbe Insurance Group Ltd			11.11	0.33	-0.6%	1.4%	8.5%	-11.8%	-4.4%	-13.3%	12.3%	-2.6%	5.6%
Rio Tinto Limited			49.60	0.69	1.9%	3.3%	10.6%	10.9%	6.6%	-4.5%	-22.9%	-14.9%	3.3%
Santos Limited			4.56	0.48	0.0%	-6.2%	0.4%	23.9%	15.1%	9.5%	-55.4%	-43.6%	31.8%
Stockland			5.00	1.00	0.0%	0.4%	7.8%	22.0%	10.3%	4.1%	-0.5%	14.1%	2.3%
Steamship Trading Company			18.00	0.37	0.0%	6.2%	6.5%	-7.7%	1.4%	-14.3%	-39.1%	3.2%	17.0%
Suncorp Metway Limited			13.47	0.76	1.1%	3.6%	14.2%	11.0%	2.3%	-1.9%	-13.7%	7.3%	28.8%
Sydney Airport			7.49	0.99	-0.1%	1.8%	9.0%	18.0%	3.7%	5.4%	34.8%	23.9%	12.4%
Transurban Group			12.45	0.95	0.0%	1.1%	7.0%	18.9%	5.6%	8.4%	22.0%	25.4%	12.3%
Telstra Corporation Limited			5.73	0.55	-0.7%	-1.7%	4.6%	2.1%	4.3%	-5.0%	-6.0%	13.7%	20.1%
Wesfarmers Ltd			42.50	0.80	-0.2%	1.4%	7.2%	2.1%	-3.3%	-0.4%	-0.3%	-5.3%	19.5%
Westpac Banking Corporation			30.92	0.51	0.2%	1.8%	7.4%	-7.9%	-3.1%	-9.6%	1.2%	2.4%	24.3%
Woolworths Limited			23.42	0.40	-0.3%	4.0%	13.0%	-4.4%	-5.5%	-9.8%	-20.1%	-9.4%	15.4%
Woodside Petroleum Limited			27.13	0.30	0.0%	-0.8%	3.9%	-5.5%	3.4%	-9.6%	-24.4%	-2.3%	14.8%
International													
iShare MSCI All Asia ex Japan	USD \$	57.51	0.86	0.2%	0.9%	6.3%	7.4%	0.1%	2.1%	-11.7%	0.6%	-0.3%	
Blackrock Int Equity Fund*	AUD \$	13.67	0.14	-0.6%	0.0%	-10.1%	-13.5%	3.2%	-5.6%	4.8%	14.2%		
Blackrock Australian Equity Fund*	AUD \$	1.55	0.47	-0.2%	1.8%	-0.2%	-4.2%	3.3%	-5.9%	-4.3%	1.9%	12.5%	
Vanguard International Share*	AUD \$	1.85	0.47	-0.7%	0.0%	2.4%	-2.9%	2.6%	-6.5%	5.5%	13.5%	46.1%	
Vanguard FTSE World exUS	USD \$	44.27	0.58	0.5%	0.5%	4.6%	2.0%	-0.7%	-0.6%	-7.4%	-7.6%	10.9%	
Vanguard FTSE Europe	USD \$	47.83	0.36	0.7%	0.9%	4.8%	-4.1%	-3.8%	-2.7%	-4.8%	-10.9%	20.4%	
iShares Core MSCI Europe	USD \$	40.45	0.36	0.6%	0.9%	4.4%	-4.2%	-3.9%	-2.7%	-3.4%			
iShares Asia 50	USD \$	47.23	1.00	0.1%	0.9%	7.3%	11.7%	3.0%	2.6%	-10.2%	-1.9%	-0.4%	
iShares MSCI Japan	USD \$	11.85	0.54	0.2%	-0.7%	2.2%	-2.2%	0.8%	-5.9%	7.8%	-7.4%	24.5%	

*as at 26-Jul-16