Equity Market Response to Form 20-F Disclosures for ADR Firms

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Abstract

Non-U.S. companies may list securities in U.S. stock exchanges, provided that they file a set of audited financial statements as well as comply with extensive SEC disclosure requirements. We speculate that non-U.S. firms who choose to be listed in the major U.S. exchanges will comply with the supplemental disclosure requirements in order to have the supplemental disclosures impounded in the home country equity share price via the ADR share price in the manner described by Fishman and Hagerty (1989). We investigate the information content of non-U.S. firm's earnings released vis-à-vis the SEC Form 20-F filings in both ADR and home country equity share markets. We employed models of the ADR and equity security share earnings release date abnormal returns controlling for the incremental firm-specific SEC Form 20-F disclosures required of exchange listed ADRs. Our results suggest that both ADR and home country equity share markets exhibit abnormal returns associated with the earnings release date. Particularly noteworthy, however, is the association between magnitudes of U.S. GAAP earnings and magnitudes of SEC Form 20-F filing date. Abnormal returns are significantly larger than the association between magnitudes of reported earnings and earnings report date abnormal returns in both the ADR and home country equity share markets. Our results seemingly suggest that the U.S. ADR share market's response dominates the cross-market information flow, driving the home country equity share market response in a manner consistent with the notion that U.S. GAAP conveys price relevant information beyond reported earnings for non-U.S. firms.

Keywords: ADRs, cross listing, form 20-F, earnings announcement

1. Introduction

Although it may seem that firm-specific information events (e.g., earnings announcements) ought to be driven primarily by home country factors, the U.S. Securities and Exchange Commission Form 20-F disclosures for Level II and III ADRs listed on the major U.S. exchanges provide one prominent example of high-quality price-relevant disclosures arising off-shore from home- country equity markets. Extant empirical research indicates that, in numerous instances, significant information flows from the U.S. stock exchanges to the home country equity share exchanges. This suggests that U.S. stock exchanges play a preeminent role in the cross-market transmission of equity share price-relevant information (Note 1). The purpose of this study is to examine comparative aspects of the traditional earnings announcement date, abnormal returns, and the SEC Form 20-F filing date for non-U.S. firms having ADR shares traded on major U.S. stock exchanges and equity shares traded in home country equity markets.

We investigate the information content of non-U.S. firms' earnings released vis-à-vis the SEC Form 20-F filings in both ADR and home country equity share markets. We employ models of the ADR and equity share earnings release date abnormal returns while explicitly controlling for the incremental effect of the (subsequent) firm-specific SEC Form 20-F disclosures required of exchange listed ADRs. One contribution of this study is a more focused study of multiple-market information events by examining the ADR and equity share price behavior surrounding the reported earnings release, and subsequently, the U.S. Securities and Exchange Commission Form 20-F filing date. We conjecture that the SEC Form 20-F filing is a unique disclosure source providing incremental information beyond the equity share earnings releases for a number of U.S.-listed ADR firms in a manner analogous to Chen and Sami (2008) and Chen and Sami (2012) (Note 2).

The result of our empirical analyses indicates that investors in both ADR and equity share markets respond to the

initial earnings release as well as the disclosures required by the U.S. Securities and Exchange Commission Form 20-F (which usually follow the earnings release by a number of weeks or perhaps months). For this reason, our results provide additional evidence confirming the usefulness of ADR Form 20-F information content. Particularly noteworthy, we observed that the association between the magnitudes of U.S. GAAP earnings and the magnitudes of SEC Form 20-F filing date abnormal returns is significantly larger than the association between magnitudes of reported earnings and earnings report date abnormal returns in both the ADR and home country equity share markets. The results are particularly pronounced for the difference between reported earnings and U.S. GAAP earnings. Our results seemingly suggest that the U.S. ADR share market's response dominates the cross-market information flow driving the home country equity share market's response in a manner consistent with the notion that U.S. GAAP conveys price relevant information beyond reported earnings for non-U.S. firms.

The balance of this paper is presented as follows. In the second section, we provided a brief discussion of the existing cross-market information transfer research as well as the literature relating to the U.S. Securities and Exchange Commission Form 20-F disclosures and the evidence regarding the securities market reaction to new information provided by the disclosures. The third section describes the sample selection process and describes the firms employed in the statistical analyses. The fourth section of the paper describes and discusses the empirical methods and hypotheses tests used. The fifth section presents and discusses the empirical results and accompanying robustness tests. Finally, the conclusions of this study and the suggestions for future research are presented in the final section.

2. Extant Research Literature and Underlying Intuition

The focus of this research regards precisely what we ought to expect regarding the role of U.S. trading in price discovery when an entity has ADR and equity shares traded simultaneously in both the United States and its home country. More specifically, are the preeminent financial disclosures required by the Securities and Exchange Commission following upon U.S. ADR share exchange listing an important determinant of whether U.S. securities exchanges play a dominant role in equity share price discovery vis-à-vis the equity shares traded on the home country exchange. The degree of correspondence between non-U.S. firms cross-listing securities on U.S stock exchanges and the informativeness of the home country equity share price is derived from the observation that higher levels of firm disclosure accompanying listings on U.S. exchanges tend to attract more investors hoping to profit from trading on the information. The numerous investors seeking to earn rents from the incremental disclosures accompanying non-U.S. firms listing shares on U.S. exchanges drives the competitive market processes which arbitrage away such profits as an integral part of price formation processes. The costly additional disclosures which the non-U.S. firms management chooses to undertake, inherent with the decision to list securities on U.S. exchanges, also tends to increase investor confidence that stock transactions occur at prices formed based upon a broad and rich set of publicly available information (Bailey et al., 2006) (Note 3).

The Securities and Exchange Commission Form 20-F filing and accompanying reconciliation to U.S. GAAP disclosures are arguably the most important source of reliable firm-specific information conveying new information beyond what is reported in accordance with home country accounting principles, in many cases, as well as at a significant cost to firm management electing preparation of the additional information required by the SEC filings. Since U.S. GAAP is generally perceived by investors as constituting the standard for high-quality accounting principles globally, the SEC Form 20-F reconciling differences with U.S. GAAP earnings and equity impose important constraints on management accounting policy choices. The constraint arises because of the need to minimize the reconciling differences with U.S. GAAP in communicating the relative success of their prospective investment projects in order for investors to perceive the ADR as maintaining high-quality reporting practices. Quite naturally, the more pronounced the differences with U.S. GAAP earnings and equity raise important question regarding earnings management practices.

We appeal to analytical research results reported in a considerable body of extant theoretical literature regarding the impact of costly voluntary management disclosures upon the equity share price formation process as the foundation of this research. Specifically, we make use of results reported by Fishman and Hagerty (1989) in which firms undertake costly voluntary disclosure and investors bear a cost of acquiring and interpreting the supplemental management disclosures (Note 4). The relevant extant research literature indicates that information environments which are supportive of market price formation processes result in equity share prices which are informative about future events. We rely largely upon Fishman and Hagerty (1989) in conjecturing that foreign firms are willing to commit to costly higher disclosure standards in order to improve the informativeness of share prices vis-a-vis future cash flows and resource allocation efficiency. U.S.-listed ADR management's commitment

to an increased level of disclosure following upon U.S. cross-listing can have the effect of increasing the incentives for informed market participants to collect and trade on private information, and, as a result, improve U.S. listed ADR's information environment and stock price formation process. This intuition suggests that a U.S.-listed ADR's home information environment may be augmented by the additional disclosures which firm management commits to as a result of exchange required compliance with SEC regulations and U.S. GAAP. To date, however, there is limited direct evidence on the feedback relationship between a U.S. listed ADR's disclosures and the equity information environment (Note 5).

2.1 U.S. ADR SEC Form 20-F Disclosures

Although the Financial Reporting Policy Committee of the American Accounting Association asserts that the SEC Form 20-F Items 17 and 18 U.S. GAAP reconciliation conveys important price-relevant information to securities market investors which will impose an additional information cost upon investors when eliminated, the Financial Reporting Standards Committee of the American Accounting Association believes IFRS (i.e., without Form 20-F reconciliation) to be of sufficiently similar quality to warrant coexistence in tandem with U.S. GAAP as the single most important source of reliable (i.e., audited) company specific information available to U.S. investors at no cost via the SEC annual Form 10-K (Form 20-F) filing requirement. The Securities and Exchange Commission considers the additional opportunities for international diversification investment risk reductions provided U.S. investors as a result making listing on U.S. stock exchanges more attractive to non-U.S. firms by reducing the costs associated with SEC periodic filings (i.e., absent the Form 20-F reconciliation requirement) well worth additional information costs (i.e., if any) borne by investors as a result of discontinuing the Form 20-F reconciliation for IASB IFRS foreign private issuers (Note 6).

The extant literature provides no conclusive evidence regarding (1) the increased information costs arising from discontinuing the Form 20-F reconciliation for IASB IFRS foreign private issuers or (2) the additional international diversification benefits becoming available to U.S. investors as a result of increased numbers of Non-U.S. firms listing on U.S. stock exchanges subsequent to discontinuing the Form 20-F reconciliation requirement (Note 7). However, the SEC decision to discontinue the Form 20-F reconciliation is not uncontroversial. As mentioned previously, the American Accounting Association Financial Reporting Policy Committee (AAA 2007(a)) and Financial Reporting Standards Committee (AAA 2007(b)) arrive at different conclusions regarding interpretation of the extant research evidence and its implications for policies relating to SEC discontinuance of the Form 20-F reconciliation. Some research (e.g., Gordon et al., 2009; Henry et al., 2009; Chen & Sami, 2008; Harris & Muller, 1999) suggests that the Form 20-F reconciliation amounts convey price-relevant information to investors and are thereby important to investors. On the other hand, other evidence indicates that the Form 20-F reconciliation amounts are not useful to investors suggesting that IFRS quality has increased in recent years to the extent that little difference between U.S. GAAP and IFRS remains (e.g., Bartov et al., 2005; Leuz, 2003).

An extensive body of academic literature has cumulated over recent years consisting of a substantial number of research reports addressing various aspects relating to the implementation and economic/statistical properties of financial reporting employing IFRS. Soderstrom and Sun (2007) survey the extant research literature pertaining to accounting quality and IFRS implementation and point out that the greatest number of studies focus on stock price-related measures of accounting quality (e.g., value-relevance, information content, timeliness, and etcetera) concluding that these studies do not provide a comprehensive view of the usefulness of IFRS since they focus solely on how information is impounded in equity market investors' expectations. Furthermore, Bradshaw et al. (2010) find that, even though both IFRS and U.S. GAAP represent high-quality accounting standards, material reconciling items persist to the extent of establishing considerable uncertainty that IFRS constitute accounting standards which are of equivalent or higher quality when compared with U.S. GAAP.

The extant relevant research literature addressing the statistical properties of accounting financial statement amounts generated using IFRS indicates that IFRS accounting principles generate accounting measures which are of higher quality in relation to home country accounting principles with the exception of U.S. GAAP (Note 8). Barth, Landsman, and Lang (2008) use a sample of 319 IFRS reporting companies from 1990 to 2003 to provide empirical results indicating that companies using IFRS display (1) smaller degree of earning smoothing, (2) loss recognition with greater timeliness, and (3) greater value relevance than firms applying non-US domestic GAAP. Results reported by Ashbaugh and Pincus (2001) indicate that analyst forecasted errors for IFRS firms are smaller than firms using non-U.S. domestic GAAP. On the other hand, Barth, Landsman, Lang, and Williams (2006) find that IAS/IFRS firms exhibit more earning smoothing, more timely loss recognition and less pronounced relation between accounting earnings and share prices in comparing IFRS to U.S. GAAP firms with a sample of 428 IFRS reporters from 1990 through 2004. They also find similar financial reporting quality for

IFRS and U.S. GAAP measures using the subsample of firms that are cross-listed on U.S. stock exchanges.

The extant International Accounting research literature examines the comparative information content of accounting numbers generated using alternative accounting principles before the advent of the EU 2005 wide-scale implementation of IFRS. An increasingly sizable body of related literature examines Form 20-F Item 17 or 18 reconciliations from non-U.S. practices to U.S. GAAP establishing a solid historical foundation for the interpretation of the value relevance of the Form 20-F reconciliations. In reviewing the extant research literature, Pownall and Schipper (1999) note that prior research documents significant differences between U.S. GAAP and both non-U.S. procedures and IFRS using Form 20-F reconciliation data and provides some indication that the differences are value-relevant. Amir, Harris, and Venuti (1993), for example, examine the value relevance of Form 20-F reconciling items between Non-U.S. domestic and U.S. GAAP earnings and shareholders' equity 1981-1991 using a sample of 101 cross-listed companies. Their research results indicate that Form 20-F reconciliations are equity share value relevant, both in aggregate and for certain specific components (e.g., property revaluations and capitalized goodwill). Providing only inconclusive evidence regarding the equity share value relevance of the Form 20-F reconciliations, Harris and Muller (1999) investigate just reconciliations of IFRS with U.S. GAAP for 31 companies from 1992 to 1996 and report (1) U.S. GAAP earnings Form 20-F reconciliation is value relevant and (2) U.S. GAAP is more highly associated with market variables after controlling for IFRS amounts in specific empirical statistical models.

More recent research related to comparative accounting principles measures examine the statistical properties of accounting measures for U.S. cross-listed companies employing a somewhat different perspective. Lang, Raedy, and Yetman (2006) compare U.S. cross-listed firms with non-cross-listed companies over the period of1990 through 2001. Their results indicate that cross-listed firms' accounting measures display less earnings smoothing, increased timeliness for loss recognition, and greater share value-relevance than non-cross-listed companies. Lang, Raedy, and Wilson (2006) compares 131 U.S. cross-listed Form 20-F foreign private Level II or Level III ADR issuers firms with U.S. companies over the years 1991-2002. Their results indicate that U.S. GAAP accounting principles measurements for cross-listed firms differ from those of U.S. firms with respect to the time-series properties of reported earnings and accrual amounts, as well as the extent of the relation between accounting measures and equity share values. All things considered, the extant research literature indicates that differences in the reporting of U.S. cross-listed companies and U.S. companies exist even with the reconciliations. Empirical evidence from this literature suggests that cross-listed firms engage in less earnings management than non-cross-listed firms.

3. Sample Selection Method and Sample Firms

The sample for our research study is non-U.S. firms having ADRs listed on a major U.S. stock exchange and subject to the U.S. Securities and Exchange Commission periodic filing requirements. We are interested in ADR firms with SEC Form 20-F annual reporting requirements from January 1, 1990 and extending through December 31, 2015. The SEC requires that non-U.S. firms file their annual reports no later than six months after their fiscal year end, whereby calendar year-end firms file in months from March to July. We examine the accounting policy footnote for each 20-F filed with the SEC during this time period, in order to determine the accounting principles used to prepare the annual report included with the SEC Form 20-F filing. We collect the SEC Reporting GAAP, Net Income, and Shareholders Equity amounts from respective fiscal year-end Form 20-F filings. In order to obtain a list of ADR firms, we merge lists of ADR companies from Bank of New York and JP Morgan ADR Universe websites to identify ADRs traded on the NYSE, AMEX, or NASDAQ stock exchanges and are subject to SEC periodic filing requirements. The final sample results in 402 ADR firms reporting to the SEC using Home Country Accounting Principles, IFRS, and U.S. GAAP. The definitions of the variables employed in the statistical estimation and hypothesis tests and their computational measurement are listed and discussed below.

Definition of variables employ	ed in comparative statistical analyses of joint adr and equity share market response to earnings and SEC									
form 20-F releases										
Variable Abbreviation	Variable Definition and Computational Measurement									
1. Annual Form 20-F Securitie	es and Exchange Commission Filing:									
Accounting Principles	Identification of whether U.Slisted ADRs use U.S. GAAP, IFRS (or predecessors), or Home Country									
Choice Variable SEC Form	Accounting Standards in filing annual Form 20-F with the U.S. Securities and Exchange Commission.									
20-F GAAP _{it} :	The determination of the accounting principles used for the SEC Form 20-F Filing was obtained through									
	examination of Form 20-F on SEC EDGAR database (SEC.gov). To indicate increasing quality of									
	accounting disclosures, the qualitative variable SEC 20-F GAAP _{it} takes integer values 1, 2, 3.									
2. Daily ADR and Equity Sha	re Returns and ADR and Equity Share Market Returns:									
U.S. Exchange Listed ADR	U.S. exchange-listed ADR share daily close price-to-close price dividend adjusted security returns									
Share Return R_{it}^{ADR} :	(i.e., $R_{it}^{ADR} = \frac{P_{it} - P_{it-1} + D_{it}}{P_{it-1}}$ for i th U.S. exchange-listed ADR sample firm on trading day t) from 2000 to									
	2015.									
Home Country Equity	Home country equity market daily close price-to-close price dividend adjusted security returns									
Share Return R_{it} .	$R_{it}^{Equity} = \Delta \gamma_{it} \cdot \frac{P_{it}^{Equity} - P_{it-1}^{Equity} + Dividend_t^{Equity}}{P_{it-1}^{Equity}} \text{ (for i}^{\text{th}} \text{ U.S. exchange-listed ADR sample firm on } $									
	trading day t after adjusting the equity share return for daily currency exchange rate changes ($\Delta \gamma_{it}$)									
	from 2000 to 2015.									
U.S. Exchange Listed ADR	Equal weighted average daily close price-to-close price dividend-adjusted security return over all firms									
Share Market Return $R_{Mt}^{US NYSE}$:	(having non-missing data) and NYSE from 2000 to 2015 (i.e., $R_{Mt}^{USNYSE} = \frac{Index_t^{NYSE} - Index_{t-1}^{NYSE} + Dividend_t^{NYSE}}{Index_{t-1}^{NYSE}}$).									
U.S. Exchange Listed ADR	Equal weighted average daily close price-to-close price dividend-adjusted security return over all firms									
Equity Market Return	(having non-missing data) and over all firms comprising the major local market index for each sample									
R_{Mt}^{Home} :	firm local market NYSE from 2000 to 2015 (i.e., $R_{Mt}^{Home} = \frac{Index_t^{Home} - Index_{t-1}^{Home} + Dividend_t^{Home}}{Index^{Home}}$).									
3 Farnings Release Date SF(° Filing Date Reported Farnings and US CAAP Farnings									
Earnings Release Date	Our lite time in director consider to this of one on the day of the ith course from comission relation and									
Qualitative Variable D_{it}^{EAD}	valued at zero all other times $D_{it}^{EAD} = \begin{cases} 0 & \text{if trading day t is an earnings release date;} \\ & 0 & \text{otherwise.} \end{cases}$									
Equity Share Market	The U.S. dollar earnings per equity share (reported to the home country shareholders) divided by the home									
Reported Earnings	country equity share price expressed in U.S. dollars and in U.S. ADR share units three days preceding the									
$E_{it}^{keportea}$	earnings release date. $E_{it}^{Reported} = \frac{E_{it-1}^{Reported}}{P_{it-3}^{ADR-Equity}} = \frac{E_{it-1}^{Reported}}{\gamma_{it} \cdot \lambda_{it} \cdot \gamma_{it-3}^{Equity}}$									
Form 20-F Filing Date	Qualitative indicator variable taking a value of one on the day of the i th sample firm SEC Form 20-F filing,									
Qualitative Variable	and valued at zero all other times. $D_{it}^{SEC\ 20-F} = \begin{cases} 0 & \text{if trading day t is an SEC Form } 20 - F & \text{filing date;} \\ 0 & \text{otherwise.} \end{cases}$									
Form 20-F US GAAP	The U.S. dellar cornings per equity share computed in accordance with U.S. GAAD requirements (filed									
Earnings E_{it}^{USGAAP}	The U.S. donar earnings per equity share computed in accordance with U.S. OAAF requirements (med									
- u	with the U.S. SEC Form 20-F) divided by the U.S. listed ADR share price three days preceding the U.S.									
	SEC Form 20-F filing date. $E_{it}^{OSUAAF} = \frac{-ut-1}{P_{it-3}^{ADR}}$									
4. Daily ADR Home Country	to U.S. Dollar Exchange Rate									
Daily Percentage Change	Percentage change in the daily spot home currency to U.S. dollar exchange rate (i.e., $\% \Delta ER_{ii}$ =									
In Home Country	$\left[\frac{ER_{it} - ER_{it-1}}{2}\right]$									
Exchange Rate % ΔER_{it} :	$L = R_{it-1} = J'$									

Descriptive statistics for the quantitative data variables employed in the statistical models are shown in Table 1. Table 1 shows distributional statistics for the data employed in the empirical analyses for the quantitative data variables used in this research.

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Table 1. Descriptive statistics U.S. listed ADR and security return

Desci	riptive Statis	stics:															
	Variable	Mean	Std Dev	t Value	$\mathbf{Pr} > \mathbf{t} $	Ν	Maximum	Minimum	Skewness	Kurtosis							
-	R_{it}^{ADR}	0.000455009	0.0305884	3.6	0.0003	58436	1	-0.833505	3.315413	131.0708825							
ntina	R_{it}^{Equity}	0.000583361	0.0295246	4.78	<.0001	58436	1	-0.656307	2.9290944	99.4411724							
Igei	R_{Mt}^{Home}	0	0			58436	0	0									
A	$R_{Mt}^{US NYSE}$	Virable Mean Std Dev I Value Pr > N Maximum Minimum Ske χ_{a}^{DR} 0.000583261 0.0295246 4.78 <.0001	-0.0189969	8.116037													
	R_{St}^{FX}	0	0			58436	0	0									
	Variable	Mean	Std Dev	t Value	$\mathbf{Pr} > \mathbf{t} $	Ν	Maximum	Minimum	Skewness	Kurtosis							
	R_{it}^{ADR}	0.000805249	0.0374714	4.81	<.0001	50088	1	-0.536269	3.9592178	90.3064042							
alia	R_{it}^{Equity}	0.000583418	0.0341991	3.82	0.0001	50088	1	-0.603858	5.3923115	140.6334038							
ustr	R_{Mt}^{Home}	0.000239622	0.0188122	2.85	0.0044	50088	0.154388	-0.285585	-2.0198891	32.744253							
A	$R_{Mt}^{US NYSE}$	0.000234777	0.012471	4.21	<.0001	50088	0.115307	-0.089683	-0.0189969	8.1161698							
	R_{St}^{FX}	0.000549251	0.0108064	-11.38	<.0001	50088	0.186735	-0.289482	-10.1766205	292.0105355							
	Variable	Mean	Std Dev	t Value	Pr > t	Ν	Maximum	Minimum	Skewness	Kurtosis							
	R_{it}^{ADR}	0.000282039	0.0219092	0.83	0.4056	4174	0.685475	-0.476987	5.5702961	292.021248							
um	R_{it}^{Equity}	0.000283057	0.0171504	1.07	0.2864	4174	0.269371	-0.138669	1.78638	35.7793094							
elgi	R_{Mt}^{Home}	0.000405795	0.0147724	1.77	0.076	4174	0.087618	-0.147464	-0.655113	8.7917384							
щ	$R_{Mt}^{US NYSE}$	0.000234777	0.0124724	1.22	0.224	4174	0.115307	-0.089683	-0.0190032	8.1264083							
	R_{St}^{FX}	0.000059562	0.0084061	0.46	0.6471	4174	0.083107	-0.083263	-0.3928657	11.7425953							
	Variable	Mean	Std Dev	t Value	Pr > t	Ν	Maximum	Minimum	Skewness	Kurtosis							
	R_{it}^{ADR}	0.000651238	0.025603	9	<.0001	125220	0.746269	-0.578125	0.6755475	28.7496864							
zil	R_{it}^{Equity}	0.000642469	0.0265835	8.55	<.0001	125220	0.825	-0.424658	0.7962812	30.0259184							
Braz	R_{Mt}^{Home}	0.000369278	0.0135418	9.65	<.0001	125220	0.102135	-0.088928	-0.0338238	5.382482							
	R _{Mt} ^{US NYSE}	0.000234777	0.012471	6.66	<.0001	125220	0.115307	-0.089683	-0.0189966	8.1156118							
	R_{St}^{FX}	0.000091999	0.0045397	7.17	<.0001	125220	0.023474	-0.025053	0.1776906	4.0216514							
	Variable	Mean	Std Dev	t Value	$\mathbf{Pr} > \mathbf{t} $	Ν	Maximum	Minimum	Skewness	Kurtosis							
	R_{it}^{ADR}	0.000462465	0.0174741	6.62	<.0001	62610	0.428571	-0.25	0.809993	35.0208953							
е	R_{it}^{Equity}	0.000419986	0.0193298	5.44	<.0001	62610	1	-0.901042	2.0138175	235.9909266							
Chil	R_{Mt}^{Home}	0.000529905	0.0136185	9.74	<.0001	62610	0.114902	-0.094447	-0.014328	5.7536119							
	R ^{US NYSE}	0.000234777	0.012471	4.71	<.0001	62610	0.115307	-0.089683	-0.0189968	8.1159838							
	R_{St}^{FX}	-0.000129376	0.010669	-3.03	0.0024	62610	0.116078	-0.080456	0.0770755	9.0781837							
	Variable	Mean	Std Dev	t Value	Pr > t	Ν	Maximum	Minimum	Skewness	Kurtosis							
	R_{it}^{ADR}	0.00023581	0.0230301	5.25	<.0001	262962	1	-0.559026	2.2757898	88.2708772							
ıa	R_{it}^{Equity}	0.000314166	0.0241488	6.67	<.0001	262962	1	-0.499511	1.8839607	61.7360857							
Chir	R_{Mt}^{Home}	0.000339668	0.0112937	15.42	<.0001	262962	0.127876	-0.100039	-0.215442	10.0485856							
•	R ^{US NYSE}	0.000234777	0.0124709	9.65	<.0001	262962	0.115307	-0.089683	-0.0189965	8.115417							
	R_{St}^{FX}	0.000050016	0.0064283	-3.99	<.0001	262962	0.044459	-0.046512	-0.1771774	4.092336							
	Variable	Mean	Std Dev	t Value	$\mathbf{Pr} > \mathbf{t} $	Ν	Maximum	Minimum	Skewness	Kurtosis							
	R_{it}^{ADR}	0.000898799	0.0268706	3.06	0.0022	8348	0.5	-0.4	2.0855142	60.6637898							
ıbia	R_{it}^{Equity}	0.000659926	0.0207097	2.91	0.0036	8348	0.303058	-0.302627	0.419978	34.5238676							
nolc	R_{Mt}^{Home}	0.000734666	0.0186562	3.6	0.0003	8348	0.170284	-0.126331	0.4427062	8.2282359							
Ŭ	R ^{US NYSE}	0.000234777	0.0124717	1.72	0.0855	8348	0.115307	-0.089683	-0.0189998	8.1208216							
	R_{St}^{FX}	0.000058725	0.0010496	5.11	<.0001	8348	0.019994	-0.018194	0.1454048	62.0566258							
	Variable	Mean	Std Dev	t Value	Pr > t	Ν	Maximum	Minimum	Skewness	Kurtosis							
	R_{it}^{ADR}	0.000713533	0.0172026	2.68	0.0074	4174	0.155328	-0.21112	-0.4094812	15.2169618							
ark	R_{it}^{Equity}	0.000714735	0.0168891	2.73	0.0063	4174	0.172171	-0.18889	0.1887495	13.5992642							
enm	R_{Mt}^{Home}	0.000665613	0.0098641	4.36	<.0001	4174	0.123462	-0.081445	-0.1070604	15.4235838							
Ď	R ^{US NYSE}	0.000234777	0.0124724	1.22	0.224	4174	0.115307	-0.089683	-0.0190032	8.1264083							
	R_{St}^{FX}	-0.000100046	0.0070607	-0.92	0.36	4174	0.1145	-0.08046	0.6101843	27.6728761							
	Variable	Mean	Std Dev	t Value	$\mathbf{Pr} > \mathbf{t} $	Ν	Maximum	Minimum	Skewness	Kurtosis							
	R_{it}^{ADR}	0.000152278	0.0227898	0.61	0.5415	8348	0.360059	-0.224444	0.4481832	18.753983							
pu	R_{it}^{Equity}	0.000111695	0.0220653	0.46	0.6437	8348	0.195397	-0.253696	-0.1331996	12.1939958							
inla	R_{Mt}^{Home}	0.000484887	0.0139132	3.18	0.0015	8348	0.118225	-0.128892	-0.1518113	7.152804							
ц	$R_{Mt}^{US NYSE}$	0.000234777	0.0124717	1.72	0.0855	8348	0.115307	-0.089683	-0.0189998	8.1208216							
	R_{St}^{FX}	0.000033568	0.0064382	0.48	0.6338	8348	0.035161	-0.026011	0.1260128	1.5804671							

	Variable	Mean	Std Dev	t Value	$\mathbf{Pr} > \mathbf{t} $	Ν	Maximum	Minimum	Skewness	Kurtosis
	RADR	0 000466913	0.0316445	3 16	0.0016	45914	1	-0 501605	3 2621006	89 0254267
	DEquity	0.000100713	0.0310119	2.0	0.0017	45014	1	0.501605	2.2620607	69.0231207
nce	R _{it}	0.000408455	0.0301298	2.9	0.0057	43914	1	-0.301603	2.3039097	00.8847077
Fra	R_{Mt}^{Home}	0.00019245	0.0198602	2.08	0.0379	45914	0.154752	-0.169449	-0.1019721	6.1699137
	$R_{Mt}^{US NYSE}$	0.000234777	0.012471	4.03	<.0001	45914	0.115307	-0.089683	-0.018997	8.1162544
	RFX	0.000092359	0.0045246	4 37	< 0001	45914	0.023562	-0.025079	0 1251854	3 9895986
	Variable	Meen	Std Dor	t Voluo		N	Movimum	Minimum	Skownoog	Kuntosis
	variable pADR	Mean	Stu Dev		rr > u	50000	Maximum		Skewness	Kurtosis
~	R _{it}	0.000310818	0.0313978	2.22	0.0267	50088	1	-0.624586	5.64/8/1/	185.1335856
ian'	R_{it}^{Equily}	0.000237914	0.0267991	1.99	0.0469	50088	1	-0.584615	3.6364774	138.4995589
me	R_{Mt}^{Home}	0.00026348	0.0149383	3.95	<.0001	50088	0.112573	-0.101261	0.1179609	5.7559367
Ű	RUSNYSE	0.000234777	0.012471	4.21	<.0001	50088	0.115307	-0.089683	-0.0189969	8.1161698
	DFX DFX	0.000092414	0.0045236	4.57	< 0001	50088	0.0237	0.025076	0 1211/33	4 0175398
	Variable	0.000072414 Maar	64J Door	4.57	<.0001 Dm > 4	50000	0.0237 Marimum	-0.025070	6.1211 4 33	4.0175578
	variable	Iviean	Stu Dev	t value	FT> 4	19	Maximum		Skewness	Kurtosis
	Rit	0.000120647	0.0212024	0.74	0.4622	16696	0.198017	-0.226727	0.0726643	12.2972245
ece	R_{it}^{Equily}	0.000174148	0.0206888	1.09	0.2768	16696	0.604369	-0.405376	1.6623477	78.4916775
Gre	R_{Mt}^{Home}	0.000255365	0.0143549	2.3	0.0215	16696	0.176765	-0.082462	0.3246166	9.3460889
0	$R_{Mt}^{US NYSE}$	0.000234777	0.0124713	2.43	0.015	16696	0.115307	-0.089683	-0.0189981	8.1180301
	RFX	0.000092356	0.0045243	2.64	0.0084	16696	0.02394	-0.025067	0 131403	4 0004596
	Variable	Mean	Std Dev	t Volue		N	Maximum	Minimum	Skownoss	Kurtosis
	DADR	0.000157966	0.0270151	0.71	0 4767	20210	1	0.66667	5.0757176	176.0100642
ng	R _{it} - Fauity	0.000137800	0.0379131	0.71	0.4/6/	29218	1	-0.000007	5.8/5/1/0	1/0.8180042
Ko	R_{it}^{Equily}	0.000211718	0.038532	0.94	0.3476	29218	1	-0.666667	5.5965421	164.0305349
gue	R_{Mt}^{Home}	-0.000388383	0.020634	-3.22	0.0013	29218	0.146595	-0.195661	-0.0729804	6.9284879
Нс	$R_{Mt}^{US NYSE}$	0.000234777	0.0124711	3.22	0.0013	29218	0.115307	-0.089683	-0.0189974	8.1168342
	R_{St}^{FX}	0.000109304	0.0088901	2.1	0.0356	29218	0.413592	-0.193708	26.3150576	1299.54
	Variable	Mean	Std Dev	t Value	$\mathbf{Pr} > \mathbf{f} $	Ν	Maximum	Minimum	Skewness	Kurtosis
	₽ ADR	0.000101329	0.0195201	0.34	0.7374	4174	0.172414	-0.154762	0.3413545	7 6866264
N.	DEquity	0.000101325	0.0107017	0.34	0.7374	4174	0.152624	-0.159024	0.1224024	7.0000204
lgar	R _{it} , r	0.000125725	0.0197917	0.41	0.6815	41/4	0.153634	-0.158024	-0.1324034	/.6056464
Iun	R_{Mt}^{Home}	0.000294867	0.0138189	1.38	0.1681	4174	0.111937	-0.109176	-0.0834334	6.897782
щ	$R_{Mt}^{US NYSE}$	0.000234777	0.0124724	1.22	0.224	4174	0.115307	-0.089683	-0.0190032	8.1264083
	R_{St}^{FX}	8.60E-07	0.000362466	0.15	0.8782	4174	0.007613	-0.00744	1.9263839	121.0717053
	Variable	Mean	Std Dev	t Value	$\mathbf{Pr} > \mathbf{t} $	Ν	Maximum	Minimum	Skewness	Kurtosis
	R_{it}^{ADR}	0.000624389	0.032317	4.67	<.0001	58436	1	-0.777471	3.4100609	97.4347341
_	R^{Equity}	0 000498824	0.0319307	3 78	0.0002	58436	1	-0.843823	3 5714249	104 9103139
Idia	nit DHome	0.000490024	0.0317507	5.70	0.0002	50450	1	-0.043023	0.1505.142	704.9105159
Ir	R _{Mt}	0.000203132	0.014669	3.35	0.0008	58436	0.14086	-0.119528	0.152/443	7.4419555
	R_{Mt}^{USNYSE}	0.000234777	0.012471	4.55	<.0001	58436	0.115307	-0.089683	-0.0189969	8.116037
	R_{St}^{FX}	7.08E-06	0.0094923	0.18	0.8569	58436	0.06645	-0.075783	-0.2687272	4.2024679
	Variable	Mean	Std Dev	t Value	$\mathbf{Pr} > \mathbf{t} $	Ν	Maximum	Minimum	Skewness	Kurtosis
	R_{it}^{ADR}	0.0032399	0.0835426	3.54	0.0004	8348	1	-0.5	6.1684913	84.7355226
sia	R ^{Equity}	0.000537775	0.0223457	2.2	0.0279	8348	0.260537	-0.202603	0.5114889	13.5420457
one	и рНоте	0.000528212	0.0140022	2.20	0.001	0210	0.162804	0 119246	0.2091025	0 5710000
Ind	n _{Mt}	0.000338213	0.0149922	1.70	0.001	0340	0.115207	-0.118240	-0.2981033	8.3718802
	R _{Mt}	0.000234777	0.0124717	1.72	0.0855	8348	0.115307	-0.089683	-0.0189998	8.1208216
	R_{St}^{in}	-0.000091223	0.0044079	-1.89	0.0587	8348	0.03/125	-0.05096	-0.347528	12.8349358
	Variable	Mean	Std Dev	t Value	$\mathbf{Pr} > \mathbf{t} $	Ν	Maximum	Minimum	Skewness	Kurtosis
	R_{it}^{ADR}	0.000470725	0.0337672	2.7	0.0069	37566	0.882646	-0.678277	1.3187061	65.4685125
pu	R_{it}^{Equity}	0.000415259	0.0318541	2.53	0.0115	37566	0.6	-0.7026	0.3214383	45.7073386
ela.	R_{Mt}^{Home}	0.000431599	0.0180607	4.63	<.0001	37566	0.144527	-0.149823	-0.3117978	7.1423139
П	RUSNYSE	0.000234777	0.0124711	3 65	0.0003	37566	0 115307	-0.089683	-0.0189971	8 1164798
	DFX	0.000138711	0.0065021	4.08	< 0001	37566	0.003048	0.078105	0.2180548	20.8025015
	n _{st}	-0.000138711	0.0003921	-4.08	<.0001	37500	0.093948	-0.078195	0.2109540	29.8025015
	variable	Niean	Sta Dev	t value	PT > t	N	waximum	Ninimum	Skewness	Kurtosis
	Rit	0.000412094	0.0263777	2.26	0.024	20870	1	-0.935484	3.457637	272.2196744
lel	R_{it}^{Lyully}	0.000530057	0.0308647	2.48	0.0131	20870	1	-0.944188	3.0465772	194.9435807
Isrá	R_{Mt}^{Home}	0.000303819	0.0150447	2.92	0.0035	20870	0.09793	-0.135224	-0.3980175	6.3982573
	R _{Mt} ^{US NYSE}	0.000234777	0.0124712	2.72	0.0065	20870	0.115307	-0.089683	-0.0189977	8.117472
	R _{FX}	0.00009235	0.0045317	2.94	0.0032	20870	0.024871	-0.026492	0.1447584	4,1744864
	Variable	M00-	Std Dow	t Volvo	Dr \ 4	_0070	Mavimum	Minimum	Skownood	Kuntosia
	DADR	0.000210745	0.024474	1 47	11 - U	27566	0.004200	0.559/05	2 7044004	124 2270901
	R _{it} Equity	0.000210745	0.024474	1.0/	0.0951	3/366	0.884398	-0.558625	5.7044884	134.23/0801
Ŋ	R_{it}^{Lyany}	0.000284153	0.0248198	2.22	0.0265	37566	1	-0.959949	1.7450962	286.6413386
Ita	R_{Mt}^{Home}	0.000305832	0.0110266	5.38	<.0001	37566	0.071337	-0.076895	-0.3182325	4.0633009
	$R_{Mt}^{US NYSE}$	0.000234777	0.0124711	3.65	0.0003	37566	0.115307	-0.089683	-0.0189971	8.1164798
	DFX	0.000025423	0.005024	0.98	0 3267	37566	0.030191	-0.0405	-0 2034434	5 4533928

	Variable	Mean	Std Dev	t Value	$\mathbf{Pr} > \mathbf{t} $	Ν	Maximum	Minimum	Skewness	Kurtosis
	RADR	0.00017807	0.0218439	2 53	0.0115	96002	0.438298	-0 31134	0 5581564	13 2808492
	^P _{it} D ^{Equity}	0.000217611	0.0224322	2.00	0.0027	06002	1	0.60254	2 0200708	108 0377750
pan	π _{it}	0.000217011	0.0224322	5.01	0.0027	90002	1	-0.00234	2.9299708	108.0377739
Ja	R _{Mt}	0.000190566	0.0155969	3.79	0.0002	96002	0.119465	-0.103056	0.0413117	5.6409099
	$R_{Mt}^{US NYSE}$	0.000234777	0.012471	5.83	<.0001	96002	0.115307	-0.089683	-0.0189967	8.1157251
	R_{St}^{FX}	0.000093152	0.0046773	6.17	<.0001	96002	0.051836	-0.036961	0.3411121	8.0003156
	Variable	Mean	Std Dev	t Value	$\mathbf{Pr} > \mathbf{t} $	Ν	Maximum	Minimum	Skewness	Kurtosis
	R_{it}^{ADR}	0.000716237	0.0394775	3.89	0.0001	45914	1	-0.863636	5.0725227	153.4307217
sa	R_{it}^{Equity}	0.000438909	0.0322503	2.92	0.0035	45914	1	-0.863636	5.3400244	203.879501
Core	RHome	0	0			45914	0	0		
×	RUSNYSE	0 000234777	0.012471	4 03	< 0001	45914	0 115307	-0.089683	-0.018997	8 1162544
	RFX	0	0			45914	0	0	01010337	011102011
	Vorioblo	Meen	Std Dov	t Voluo	Dr \ t	-1591-1 N	Maximum	Minimum	Skownoss	Kurtosis
	DADR	1vicali	0.0215077	1 51	11 > u	4174	0.244121	0.20(272	5 5 6 7 2 2 4 4	Rui tosis
urg	R _{it} DEquity	0.000734903	0.0313077	1.51	0.1319	4174	0.244131	-0.206272	0.3873344	8.7809323
oqu	R _{it} , r	0.000861408	0.0329785	1.69	0.0916	41/4	0.539683	-0.239691	1.50/689/	26./26281/
xer	R_{Mt}^{Home}	0.000384348	0.0197163	1.26	0.2079	4174	0.279704	-0.184005	0.1629167	15.0486932
Γn	$R_{Mt}^{US NYSE}$	0.000234777	0.0124724	1.22	0.224	4174	0.115307	-0.089683	-0.0190032	8.1264083
	R_{St}^{FX}	0.000022536	0.0082187	0.18	0.8594	4174	0.125	-0.074074	1.3582071	29.9425916
	Variable	Mean	Std Dev	t Value	$\mathbf{Pr} > \mathbf{t} $	Ν	Maximum	Minimum	Skewness	Kurtosis
	R_{it}^{ADR}	0.000379402	0.0209076	5.5	<.0001	91828	1	-0.577508	3.3658138	203.343515
ico.	R_{it}^{Equity}	0.000386148	0.0217526	5.38	<.0001	91828	1	-0.808287	2.6262716	150.2589404
léx	R_{Mt}^{Home}	0.000247278	0.0104252	7.19	<.0001	91828	0.10676	-0.06585	0.0562797	7.3763933
2	R ^{US NYSE}	0.000234777	0.012471	5.7	<.0001	91828	0.115307	-0.089683	-0.0189967	8.1157471
	R ^{FX}	0	0			91828	0	0		
	Variable	Mean	Std Dev	t Value	Pr > t	N	Maximum	Minimum	Skewness	Kurtosis
	P ADR	0.000309573	0.0254984	2 22	0.0265	33307	0.802230	-0.405304	3 4583572	101 1640174
spu	DEquity	0.000300373	0.02/94/09	2.22	0.0203	22202	0.62212	0.27401	1 5290662	45 219029
erla	π _{it}	0.000300327	0.0248498	2.21	0.0272	33392	0.02212	-0.27491	1.3389003	43.318028
ethe	RMt	0.00045293	0.0144427	5.73	<.0001	33392	0.141915	-0.094623	0.0596555	7.0655687
z	R_{Mt}^{03W13E}	0.000234777	0.0124711	3.44	0.0006	33392	0.115307	-0.089683	-0.0189972	8.1166349
	R_{St}^{Fx}	-0.000118297	0.0071956	-3	0.0027	33392	0.07689	-0.083467	-0.5398489	13.4542197
	Variable	Mean	Std Dev	t Value	$\mathbf{Pr} > \mathbf{t} $	Ν	Maximum	Minimum	Skewness	Kurtosis
pu	R_{it}^{ADR}	0.00009312	0.0159227	0.38	0.7056	4174	0.102272	-0.108622	-0.3088065	5.313642
sala	R_{it}^{Equity}	0.000153971	0.016652	0.6	0.5503	4174	0.141076	-0.157381	-0.0801423	10.409192
Z	R Home		0.0146255	0.88	0.3802	4174	0.107607	-0.10832	-0.0454062	6.8210638
	1 Mt	0.000198692	0.0140255	0.00						
Vev	$R_{Mt}^{US NYSE}$	0.000198692 0.000234777	0.0140233	1.22	0.224	4174	0.115307	-0.089683	-0.0190032	8.1264083
Nev	$R_{Mt}^{US NYSE}$ R_{Mt}^{FX}	0.000198692 0.000234777 0.000099901	0.0140233 0.0124724 0.0059757	1.22 1.08	0.224 0.2802	4174 4174	0.115307 0.187359	-0.089683 -0.159075	-0.0190032 2.8598485	8.1264083 352.3129704
Nev	$R_{Mt}^{US NYSE}$ R_{St}^{FX} Variable	0.000198692 0.000234777 0.000099901 Mean	0.0146233 0.0124724 0.0059757 Std Dev	1.22 1.08 t Value	0.224 0.2802 Pr > t	4174 4174 N	0.115307 0.187359 Maximum	-0.089683 -0.159075 Minimum	-0.0190032 2.8598485 Skewness	8.1264083 352.3129704 Kurtosis
Nev	R_{Mt}^{Wt} $R_{Mt}^{US NYSE}$ R_{St}^{FX} Variable R_{t}^{ADR}	0.000198692 0.000234777 0.000099901 Mean 0.00055094	0.0140233 0.0124724 0.0059757 Std Dev 0.0190699	1.22 1.08 t Value 2.64	0.224 0.2802 Pr > t 0.0083	4174 4174 N 8348	0.115307 0.187359 Maximum 0.171078	-0.089683 -0.159075 Minimum -0.237448	-0.0190032 2.8598485 Skewness -0.0763978	8.1264083 352.3129704 Kurtosis 10.9429826
ay Nev	$R_{Mt}^{US NYSE}$ R_{Mt}^{FX} Variable R_{it}^{ADR} R_{it}^{Equity}	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525	0.0140233 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149	1.22 1.08 t Value 2.64 2.54	0.224 0.2802 Pr > t 0.0083 0.011	4174 4174 N 8348 8348	0.115307 0.187359 Maximum 0.171078 0.163121	-0.089683 -0.159075 Minimum -0.237448 -0.279162	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086
uway Nev	R_{Mt}^{Mt} R_{Mt}^{FX} R_{St}^{FX} Variable R_{it}^{ADR} R_{it}^{Equity} $pHome$	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525	0.0140233 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149	1.22 1.08 t Value 2.64 2.54	0.224 0.2802 Pr > t 0.0083 0.011 0.0006	4174 4174 N 8348 8348 8348	0.115307 0.187359 Maximum 0.171078 0.163121 0.097301	-0.089683 -0.159075 Minimum -0.237448 -0.279162	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086 6.165403
Norway Nev	R_{Mt}^{Mt} R_{Mt}^{FX} R_{St}^{FX} Variable R_{it}^{ADR} R_{it}^{Equity} R_{it}^{Home} R_{Mt}^{Home} R_{Mt}^{Home}	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525 0.000429117	0.0140253 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149 0.0113977	1.22 1.08 t Value 2.64 2.54 3.44	0.224 0.2802 Pr > t 0.0083 0.011 0.0006 0.0855	4174 4174 N 8348 8348 8348 8348	0.115307 0.187359 Maximum 0.171078 0.163121 0.097301 0.115307	-0.089683 -0.159075 Minimum -0.237448 -0.279162 -0.083109	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348 -0.4478829	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086 6.165403 8.1208216
Norway Nev	R_{Mt}^{US} R_{Mt}^{US} R_{St}^{FX} Variable R_{it}^{ADR} R_{it}^{Equity} R_{it}^{Equity} R_{Mt}^{Mome} R_{Mt}^{US} NYSE DFX	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525 0.000429117 0.000234777	0.0140253 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149 0.0113977 0.0124717	1.22 1.08 t Value 2.64 2.54 3.44 1.72	0.224 0.2802 Pr > t 0.0083 0.011 0.0006 0.0855	4174 4174 N 8348 8348 8348 8348 8348	0.115307 0.187359 Maximum 0.171078 0.163121 0.097301 0.115307	-0.089683 -0.159075 Minimum -0.237448 -0.279162 -0.083109 -0.089683	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348 -0.4478829 -0.0189998	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086 6.165403 8.1208216
Norway Nev	$\begin{array}{c} R_{Mt}^{WK}\\ R_{Mt}^{US}R_{St}^{FX}\\ R_{St}^{FX}\\ \hline \textbf{Variable}\\ R_{it}^{ADR}\\ R_{it}^{Equity}\\ R_{it}^{Equity}\\ R_{Mt}^{Home}\\ R_{Mt}^{FX}\\ R_{St}^{FX}\\ \end{array}$	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525 0.000429117 0.000234777 0.0000234777	0.0140253 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149 0.0113977 0.0124717 0.0084718	1.22 1.08 t Value 2.64 2.54 3.44 1.72 1.06	0.224 0.2802 Pr > t 0.0083 0.011 0.0006 0.0855 0.287	4174 4174 N 8348 8348 8348 8348 8348	0.115307 0.187359 Maximum 0.171078 0.163121 0.097301 0.115307 0.061439	-0.089683 -0.159075 Minimum -0.237448 -0.279162 -0.083109 -0.089683 -0.06488	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348 -0.4478829 -0.0189998 -0.3190851	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086 6.165403 8.1208216 3.2791209
Norway Nev	$\begin{array}{l} R_{Mt}^{NMt} \\ R_{Mt}^{US,NYSE} \\ R_{St}^{FS} \\ \hline \textbf{Variable} \\ R_{it}^{ADR} \\ R_{it}^{BdR} \\ R_{it}^{Home} \\ R_{Mt}^{US,NYSE} \\ R_{St}^{FX} \\ \hline \textbf{Variable} \\ \hline \textbf{Variable} \end{array}$	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525 0.000429117 0.000234777 0.000098734 Mean	0.0140253 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149 0.0113977 0.0124717 0.0084718 Std Dev	1.22 1.08 t Value 2.64 2.54 3.44 1.72 1.06 t Value	0.224 0.2802 Pr > t 0.0083 0.011 0.0006 0.0855 0.287 Pr > t 	4174 4174 N 8348 8348 8348 8348 8348 8348 N	0.115307 0.187359 Maximum 0.171078 0.163121 0.097301 0.115307 0.061439 Maximum	-0.089683 -0.159075 Minimum -0.237448 -0.279162 -0.083109 -0.089683 -0.066488 Minimum	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348 -0.4478829 -0.0189998 -0.3190851 Skewness	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086 6.165403 8.1208216 3.2791209 Kurtosis
Norway Nev	$\begin{array}{l} R_{Mt}^{NMt} \\ R_{Mt}^{US,NYSE} \\ R_{St}^{FX} \\ \hline \textbf{Variable} \\ R_{it}^{ADR} \\ R_{it}^{Equily} \\ R_{it}^{Mome} \\ R_{Mt}^{St} \\ \hline \textbf{Variable} \\ R_{it}^{FX} \\ \hline \textbf{Variable} \\ R_{it}^{ADR} \\ \sim F^{St} \\ \hline \end{array}$	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525 0.000429117 0.000234777 0.000098734 Mean 0.000914308	0.0140233 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149 0.0113977 0.0124717 0.0084718 Std Dev 0.0239239	1.22 1.08 t Value 2.64 2.54 3.44 1.72 1.06 t Value 2.47	0.224 0.2802 Pr > t 0.0083 0.011 0.0006 0.0855 0.287 Pr > t 0.0136	4174 4174 N 8348 8348 8348 8348 8348 8348 N 4174	0.115307 0.187359 Maximum 0.171078 0.163121 0.097301 0.115307 0.061439 Maximum 0.222868	-0.089683 -0.159075 Minimum -0.237448 -0.279162 -0.083109 -0.089683 -0.066488 Minimum -0.195885	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348 -0.4478829 -0.0189998 -0.3190851 Skewness -0.1610403	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086 6.165403 8.1208216 3.2791209 Kurtosis 11.8186627
srú Norway Nev	$\begin{array}{c} R_{Mt}^{Mt} \\ R_{Mt}^{US,NYSE} \\ R_{St}^{FX} \\ \hline \textbf{Variable} \\ R_{it}^{ADR} \\ R_{it}^{Equily} \\ R_{it}^{Mome} \\ R_{Mt}^{US,NYSE} \\ R_{St}^{FX} \\ \hline \textbf{Variable} \\ R_{it}^{ADR} \\ R_{it}^{Equily} \\ R_{it}^{Equily} \\ \end{array}$	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525 0.000429117 0.000234777 0.000098734 Mean 0.000914308 0.000955789	0.0140233 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149 0.0113977 0.0124717 0.0084718 Std Dev 0.0239239 0.0246169	1.22 1.08 t Value 2.64 2.54 3.44 1.72 1.06 t Value 2.47 2.51	0.224 0.2802 Pr > t 0.0083 0.011 0.0006 0.0855 0.287 Pr > t 0.0136 0.0122	4174 4174 N 8348 8348 8348 8348 8348 N 4174 4174	0.115307 0.187359 Maximum 0.171078 0.163121 0.097301 0.115307 0.061439 Maximum 0.229868 0.184448	-0.089683 -0.159075 Minimum -0.237448 -0.279162 -0.083109 -0.089683 -0.066488 Minimum -0.195885 -0.194411	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348 -0.4478829 -0.0189998 -0.3190851 Skewness -0.1610403 0.0129747	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086 6.165403 8.1208216 3.2791209 Kurtosis 11.8186627 8.1495176
Perú Norway Nev	$\begin{array}{l} R_{Mt}^{NMt} \\ R_{Mt}^{US,NYSE} \\ R_{St}^{FX} \\ \hline \textbf{Variable} \\ R_{it}^{ADR} \\ R_{it}^{Equily} \\ R_{it}^{Mome} \\ R_{St}^{Wariable} \\ \hline \textbf{Variable} \\ R_{it}^{ADR} \\ R_{it}^{Equily} \\ R_{it}^{Home} \\ \end{array}$	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525 0.000429117 0.000234777 0.000098734 Mean 0.000914308 0.000955789 0.000409622	0.0140233 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149 0.0113977 0.0124717 0.0084718 Std Dev 0.0239239 0.0246169 0.0181495	1.22 1.08 t Value 2.64 2.54 3.44 1.72 1.06 t Value 2.47 2.51 1.46	0.224 0.2802 Pr > t 0.0083 0.011 0.0006 0.0855 0.287 Pr > t 0.0136 0.0122 0.1449	4174 4174 N 8348 8348 8348 8348 8348 N 4174 4174 4174	0.115307 0.187359 Maximum 0.171078 0.163121 0.097301 0.115307 0.061439 Maximum 0.229868 0.184448 0.149136	-0.089683 -0.159075 Minimum -0.237448 -0.279162 -0.083109 -0.089683 -0.066488 Minimum -0.195885 -0.194411 -0.126884	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348 -0.4478829 -0.0189998 -0.3190851 Skewness -0.1610403 0.0129747 -0.2106927	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086 6.165403 8.1208216 3.2791209 Kurtosis 11.8186627 8.1495176 6.6074467
Perú Norway Nev	$\begin{array}{l} {}^{R_{Mt}}\\ R_{Mt}^{US,NYSE}\\ R_{St}^{FX}\\ \hline \textbf{Variable}\\ R_{it}^{ADR}\\ R_{it}^{Rdome}\\ R_{it}^{Mome}\\ R_{St}^{Wariable}\\ \hline \textbf{Variable}\\ R_{it}^{RDR}\\ R_{it}^{Equity}\\ R_{it}^{Bome}\\ R_{Mt}^{Equity}\\ R_{Mt}^{NNYSE}\\ \end{array}$	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525 0.000429117 0.000234777 0.000098734 Mean 0.000914308 0.000955789 0.000409622 0.000234777	0.0140233 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149 0.0113977 0.0124717 0.0084718 Std Dev 0.0239239 0.0246169 0.0181495 0.0124724	1.22 1.08 t Value 2.64 2.54 3.44 1.72 1.06 t Value 2.47 2.51 1.46 1.22	$\begin{array}{c} 0.224\\ 0.2802\\ \mathbf{Pr} > \mathbf{t} \\ 0.0083\\ 0.011\\ 0.0006\\ 0.0855\\ 0.287\\ \mathbf{Pr} > \mathbf{t} \\ 0.0136\\ 0.0122\\ 0.1449\\ 0.224 \end{array}$	4174 4174 N 8348 8348 8348 8348 8348 N 4174 4174 4174	0.115307 0.187359 Maximum 0.171078 0.163121 0.097301 0.115307 0.061439 Maximum 0.229868 0.184448 0.184448 0.149136 0.115307	-0.089683 -0.159075 Minimum -0.237448 -0.279162 -0.083109 -0.089683 -0.066488 Minimum -0.195885 -0.194411 -0.126884 -0.089683	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348 -0.4478829 -0.0189998 -0.3190851 Skewness -0.1610403 0.0129747 -0.2106927 -0.0190032	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086 6.165403 8.1208216 3.2791209 Kurtosis 11.8186627 8.1495176 6.6074467 8.1264083
Perú Norway Nev	$\begin{array}{l} R_{Mt}^{Mt} \\ R_{Mt}^{US,NYSE} \\ R_{St}^{FX} \\ \hline \textbf{Variable} \\ R_{it}^{ADR} \\ R_{it}^{Rduity} \\ R_{it}^{Mome} \\ R_{Mt}^{US,NYSE} \\ R_{St}^{FX} \\ \hline \textbf{Variable} \\ R_{it}^{ADR} \\ R_{it}^{Equity} \\ R_{it}^{Home} \\ R_{it}^{Mt} \\ R_{Mt}^{US,NYSE} \\ R_{St}^{FX} \\ \end{array}$	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525 0.000429117 0.000234777 0.000098734 Mean 0.000914308 0.000955789 0.000409622 0.000234777 4.24E-06	0.0140233 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149 0.0113977 0.0124717 0.0084718 Std Dev 0.0239239 0.0246169 0.0181495 0.0124724 0.0079072	1.22 1.08 t Value 2.64 2.54 3.44 1.72 1.06 t Value 2.47 2.51 1.46 1.22 0.03	$\begin{array}{c} 0.224\\ 0.2802\\ \mathbf{Pr} > \mathbf{t} \\ 0.0083\\ 0.011\\ 0.0006\\ 0.0855\\ 0.287\\ \mathbf{Pr} > \mathbf{t} \\ 0.0136\\ 0.0122\\ 0.1449\\ 0.224\\ 0.9724\\ \end{array}$	4174 4174 N 8348 8348 8348 8348 8348 N 4174 4174 4174 4174	0.115307 0.187359 Maximum 0.171078 0.163121 0.097301 0.115307 0.061439 Maximum 0.229868 0.184448 0.184448 0.149136 0.115307 0.056563	-0.089683 -0.159075 Minimum -0.237448 -0.279162 -0.083109 -0.089683 -0.066488 Minimum -0.195885 -0.194411 -0.126884 -0.089683 -0.047035	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348 -0.4478829 -0.0189998 -0.3190851 Skewness -0.1610403 0.0129747 -0.2106927 -0.0190032 -0.0676188	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086 6.165403 8.1208216 3.2791209 Kurtosis 11.8186627 8.1495176 6.6074467 8.1264083 3.1234335
Perú Norway Nev	$R_{Mt}^{US,NYSE}$ $R_{St}^{US,NYSE}$ R_{St}^{ADR} R_{it}^{ADR} R_{it}^{ADR} R_{it}^{Mome} R_{Mt}^{SNYSE} R_{St}^{FX} $Variable$ R_{Mt}^{IOME} R_{Mt}^{SYSE} R_{Mt}^{ST} R_{Mt}^{ST} $Variable$	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525 0.000429117 0.000234777 0.000098734 Mean 0.000914308 0.000955789 0.000409622 0.000234777 4.24E-06 Mean	0.0140233 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149 0.0113977 0.0124717 0.0084718 Std Dev 0.0239239 0.0246169 0.0181495 0.0124724 0.0079072 Std Dev	1.22 1.08 t Value 2.64 2.54 3.44 1.72 1.06 t Value 2.47 2.51 1.46 1.22 0.03 t Value	$\begin{array}{l} 0.224\\ 0.2802\\ \mathbf{Pr} > \mathbf{t} \\ 0.0083\\ 0.011\\ 0.0006\\ 0.0855\\ 0.287\\ \mathbf{Pr} > \mathbf{t} \\ 0.0136\\ 0.0122\\ 0.1449\\ 0.224\\ 0.9724\\ \mathbf{Pr} > \mathbf{t} \\ \end{array}$	4174 4174 N 8348 8348 8348 8348 8348 N 4174 4174 4174 4174 N	0.115307 0.187359 Maximum 0.171078 0.163121 0.097301 0.115307 0.061439 Maximum 0.229868 0.184448 0.184448 0.149136 0.115307 0.056563 Maximum	-0.089683 -0.159075 Minimum -0.237448 -0.279162 -0.083109 -0.089683 -0.066488 Minimum -0.195885 -0.194411 -0.126884 -0.089683 -0.047035 Minimum	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348 -0.4478829 -0.0189998 -0.3190851 Skewness -0.1610403 0.0129747 -0.2106927 -0.0190032 -0.0676188 Skewness	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086 6.165403 8.1208216 3.2791209 Kurtosis 11.8186627 8.1495176 6.6074467 8.1264083 3.1234335 Kurtosis
s Perú Norway Nev	$\begin{array}{l} {}^{R_{Mt}}\\ {}^{R_{Mt}}\\ {}^{R_{Mt}}\\ {}^{R_{St}}\\ \hline {\bf Variable}\\ {}^{ADR}\\ {}^{R_{ti}}\\ {}^{R_{ti}}$	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525 0.000429117 0.000234777 0.000098734 Mean 0.000914308 0.000955789 0.000409622 0.000234777 4.24E-06 Mean 0.000234787	0.0140233 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149 0.0113977 0.0124717 0.0084718 Std Dev 0.0239239 0.0246169 0.0181495 0.0124724 0.0079072 Std Dev 0.0178087	1.22 1.08 t Value 2.64 2.54 3.44 1.72 1.06 t Value 2.47 2.51 1.46 1.22 0.03 t Value 1.2	$\begin{array}{c} 0.224\\ 0.2802\\ \mathbf{Pr} > \mathbf{t} \\ 0.0083\\ 0.011\\ 0.0006\\ 0.0855\\ 0.287\\ \mathbf{Pr} > \mathbf{t} \\ 0.0136\\ 0.0122\\ 0.1449\\ 0.224\\ 0.9724\\ \mathbf{Pr} > \mathbf{t} \\ 0.2284 \end{array}$	4174 4174 N 8348 8348 8348 8348 8348 N 4174 4174 4174 4174 4174 N 8348	0.115307 0.187359 Maximum 0.171078 0.163121 0.097301 0.115307 0.061439 Maximum 0.229868 0.184448 0.149136 0.115307 0.056563 Maximum 0.657061	-0.089683 -0.159075 Minimum -0.237448 -0.279162 -0.083109 -0.089683 -0.066488 Minimum -0.195885 -0.194411 -0.126884 -0.089683 -0.047035 Minimum -0.313892	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348 -0.4478829 -0.0189998 -0.3190851 Skewness -0.1610403 0.0129747 -0.2106927 -0.0190032 -0.0676188 Skewness 6.3794498	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086 6.165403 8.1208216 3.2791209 Kurtosis 11.8186627 8.1495176 6.6074467 8.1264083 3.1234335 Kurtosis 262.6195882
ines Perú Norway Nev	$\begin{array}{l} {}^{NMt}\\ {}^{RMt}\\ {}^{NSNSE}\\ {}^{RSt}\\ \hline {}^{ADR}\\ {}^{ADR}\\ {}^{Rdut}\\ {}^{Rd$	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525 0.000429117 0.000234777 0.000098734 Mean 0.000914308 0.000955789 0.000409622 0.000234777 4.24E-06 Mean 0.000234787 0.00019285	0.0140233 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149 0.0113977 0.0124717 0.0084718 Std Dev 0.0239239 0.0246169 0.0181495 0.0124724 0.0079072 Std Dev 0.0178087 0.0172083	1.22 1.08 t Value 2.64 2.54 3.44 1.72 1.06 t Value 2.47 2.51 1.46 1.22 0.03 t Value 1.2 1.02	$\begin{array}{c} 0.224\\ 0.2802\\ \mathbf{Pr} > \mathbf{t} \\ 0.0083\\ 0.011\\ 0.0006\\ 0.0855\\ 0.287\\ \mathbf{Pr} > \mathbf{t} \\ 0.0136\\ 0.0122\\ 0.1449\\ 0.224\\ 0.9724\\ \mathbf{Pr} > \mathbf{t} \\ 0.2284\\ 0.3059\end{array}$	4174 4174 N 8348 8348 8348 8348 8348 N 4174 4174 4174 4174 4174 N 8348 8348	0.115307 0.187359 Maximum 0.171078 0.163121 0.097301 0.115307 0.061439 Maximum 0.229868 0.184448 0.149136 0.115307 0.056563 Maximum 0.657061 0.657061	-0.089683 -0.159075 Minimum -0.237448 -0.279162 -0.083109 -0.089683 -0.066488 Minimum -0.195885 -0.194411 -0.126884 -0.089683 -0.047035 Minimum -0.313892 -0.313892	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348 -0.4478829 -0.0189998 -0.3190851 Skewness -0.1610403 0.0129747 -0.2106927 -0.0190032 -0.0676188 Skewness 6.3794498 6.4408479	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086 6.165403 8.1208216 3.2791209 Kurtosis 11.8186627 8.1495176 6.6074467 8.1264083 3.1234335 Kurtosis 262.6195882 285.7343859
lippines Perú Norway Nev	$\begin{array}{l} {}^{NMt}\\ {}^{RMt}\\ {}^{RMt}\\ {}^{St}\\ {}^{St}\\ \hline {}^{Variable}\\ {}^{ADR}\\ {}^{Rdmt}\\ {}^{Rd$	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525 0.000429117 0.000234777 0.000098734 Mean 0.000914308 0.000955789 0.000409622 0.000234777 4.24E-06 Mean 0.000234787 0.00019285 0.000468324	0.0140233 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149 0.0113977 0.0124717 0.0084718 Std Dev 0.0239239 0.0246169 0.0181495 0.0124724 0.0079072 Std Dev 0.0178087 0.0172083 0.0089649	1.22 1.08 t Value 2.64 2.54 3.44 1.72 1.06 t Value 2.47 2.51 1.46 1.22 0.03 t Value 1.2 1.02 4.77	0.224 0.2802 Pr > t 0.0083 0.011 0.0006 0.0855 0.287 Pr > t 0.0136 0.0122 0.1449 0.224 0.9724 Pr > t 0.2284 0.3059 <.0001	4174 4174 N 8348 8348 8348 8348 8348 N 4174 4174 4174 4174 4174 N 8348 8348 8348	0.115307 0.187359 Maximum 0.171078 0.163121 0.097301 0.115307 0.061439 Maximum 0.229868 0.184448 0.149136 0.115307 0.056563 Maximum 0.657061 0.657061 0.072022	-0.089683 -0.159075 Minimum -0.237448 -0.279162 -0.083109 -0.089683 -0.066488 Minimum -0.195885 -0.194411 -0.126884 -0.089683 -0.047035 Minimum -0.313892 -0.313892 -0.08128	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348 -0.4478829 -0.0189998 -0.3190851 Skewness -0.1610403 0.0129747 -0.2106927 -0.0190032 -0.0676188 Skewness 6.3794498 6.4408479 -0.738119	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086 6.165403 8.1208216 3.2791209 Kurtosis 11.8186627 8.1495176 6.6074467 8.1264083 3.1234335 Kurtosis 262.6195882 285.7343859 11.6487171
Philippines Perú Norway Nev	$\begin{array}{c} {}^{NMt}\\ {}^{RMt}\\ {}^{RMt}\\ {}^{St}\\ {}^{St}\\ \hline {}^{St}\\ \hline {}^{ADR}\\ {}^{ADR}\\ {}^{Rduty}\\ {}^{Rduty}\\ {}^{Rduty}\\ {}^{Rduty}\\ {}^{Rt}\\ {}^{Rt}\\ {}^{St}\\ \hline {}^{St}\\ \hline {}^{St}\\ \hline {}^{St}\\ \hline {}^{St}\\ \hline {}^{St}\\ {}^{St}\\ \hline {}^{St}\\ {}^{St}\\ \hline {}^{St}\\ {}^{St}\\ \hline {}^{St}\\ {}^{St}\\ {}^{St}\\ \hline {}^{St}\\ {}^{St}\\ {}^{St}\\ \hline {}^{St}\\ {}^{St}\\ {}^{St}\\ \hline {}^{St}\\ {}^{St}\\ \hline \hline {}^{St}\\ \hline \hline {}^{St}\\ \hline \hline \hline {}^{St}\\ \hline \hline \hline {}^{St}\\ \hline \hline {}^{St}\\ \hline \hline \hline \hline {}^{St}\\ \hline \hline \hline \hline {}^{St}\\ \hline \hline \hline \hline \hline {}^{St}\\ \hline \hline \hline \hline \hline \hline \hline {}^{St}\\ \hline \hline$	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525 0.000429117 0.000234777 0.000098734 Mean 0.000914308 0.000955789 0.000409622 0.000234777 4.24E-06 Mean 0.000234787 0.00019285 0.000468324 0.000234777	0.0140233 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149 0.0113977 0.0124717 0.0084718 Std Dev 0.0239239 0.0246169 0.0181495 0.0124724 0.0079072 Std Dev 0.0178087 0.0172083 0.0089649 0.0124717	1.22 1.08 t Value 2.64 2.54 3.44 1.72 1.06 t Value 2.47 2.51 1.46 1.22 0.03 t Value 1.2 1.02 4.77 1.72	0.224 0.2802 Pr > t 0.0083 0.011 0.0006 0.0855 0.287 Pr > t 0.0136 0.0122 0.1449 0.224 0.9724 Pr > t 0.2284 0.3059 <.0001 0.0855	4174 4174 N 8348 8348 8348 8348 8348 8348 N 4174 4174 4174 4174 4174 N 8348 8348 8348 8348	0.115307 0.187359 Maximum 0.171078 0.163121 0.097301 0.115307 0.061439 Maximum 0.229868 0.184448 0.149136 0.115307 0.056563 Maximum 0.657061 0.657061 0.657061 0.072022 0.115307	-0.089683 -0.159075 Minimum -0.237448 -0.279162 -0.083109 -0.089683 -0.066488 Minimum -0.195885 -0.194411 -0.126884 -0.089683 -0.047035 Minimum -0.313892 -0.313892 -0.08128 -0.089683	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348 -0.4478829 -0.0189998 -0.3190851 Skewness -0.1610403 0.0129747 -0.2106927 -0.0190032 -0.0676188 Skewness 6.3794498 6.4408479 -0.738119 -0.0189998	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086 6.165403 8.1208216 3.2791209 Kurtosis 11.8186627 8.1495176 6.6074467 8.1264083 3.1234335 Kurtosis 262.6195882 285.7343859 11.6487171 8.1208216
Philippines Perú Norway Nev	$\begin{array}{c} {}^{NMt}\\ {}^{RMt}\\ {}^{RMt}\\ {}^{RSt}\\ {}^{St}\\ \hline {} Variable\\ {}^{ADR}\\ {}^{Rdully}\\ {}^{Rdully}\\ {}^{Rdully}\\ {}^{Rdully}\\ {}^{Rdully}\\ {}^{Rst}\\ \hline {}^{Rst}\\ \hline {}^{St}\\ \hline {}^{St}\\ \hline {}^{St}\\ \hline {}^{St}\\ {}^{St}\\ \hline {}^{St}\\ {}^{St}\\ \hline {}^{St}\\ {}^{St}\\ \hline {}^{St}\\ {}^{St}\\ {}^{St}\\ \hline {}^{St}\\ {}^{St}\\ \hline {}^{St}\\ {}^{St}\\ \hline \hline {}^{St}\\ \hline {}^{St}\\ \hline \hline {}^{St}\\ \hline \hline {}^{St}\\ \hline \hline {}^{St}\\ \hline \hline {}^{St}\\ \hline \hline \hline {}^{St}\\ \hline \hline {}^{St}\\ \hline \hline \hline {}^{St}\\ \hline \hline {}^{St}\\ \hline \hline {}^{St}\\ \hline \hline \hline {}^{St}\\ \hline \hline \hline {}^{St}\\ \hline \hline \hline \hline \hline {}^{St}\\ \hline \hline \hline {}^{St}\\ \hline \hline \hline {}^{St}\\ \hline \hline \hline {}^{St}\\ \hline \hline \hline \hline $	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525 0.000429117 0.000234777 0.000098734 Mean 0.000914308 0.000955789 0.000409622 0.000234777 4.24E-06 Mean 0.000234787 0.00019285 0.000468324 0.000234777 0.00012268	0.0140233 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149 0.0113977 0.0124717 0.0084718 Std Dev 0.0239239 0.0246169 0.0181495 0.0124724 0.0079072 Std Dev 0.0178087 0.0172083 0.0089649 0.0124717 0.0031373	1.22 1.08 t Value 2.64 2.54 3.44 1.72 1.06 t Value 2.47 2.51 1.46 1.22 0.03 t Value 1.2 1.02 4.77 1.72 0.36	0.224 0.2802 Pr > t 0.0083 0.011 0.0006 0.0855 0.287 Pr > t 0.0136 0.0122 0.1449 0.224 0.9724 Pr > t 0.2284 0.3059 <.0001 0.0855 0.7209	4174 4174 N 8348 8348 8348 8348 8348 8348 N 4174 4174 4174 4174 4174 N 8348 8348 8348 8348 8348	0.115307 0.187359 Maximum 0.171078 0.163121 0.097301 0.115307 0.061439 Maximum 0.229868 0.184448 0.149136 0.115307 0.056563 Maximum 0.657061 0.657061 0.657061 0.072022 0.115307 0.033777	-0.089683 -0.159075 Minimum -0.237448 -0.279162 -0.083109 -0.089683 -0.066488 Minimum -0.195885 -0.194411 -0.126884 -0.089683 -0.047035 Minimum -0.313892 -0.313892 -0.08128 -0.089683 -0.031663	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348 -0.4478829 -0.0189998 -0.3190851 Skewness -0.1610403 0.0129747 -0.2106927 -0.0190032 -0.0676188 Skewness 6.3794498 6.4408479 -0.738119 -0.0189998 -0.1079539	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086 6.165403 8.1208216 3.2791209 Kurtosis 11.8186627 8.1495176 6.6074467 8.1264083 3.1234335 Kurtosis 262.6195882 285.7343859 11.6487171 8.1208216 15.3586677
Philippines Perú Norway Nev	$\begin{array}{c} {}^{NMt}\\ {}^{RMt}\\ {}^{RMt}\\ {}^{St}\\ {}^{St}\\ \hline {}^{St}\\ \hline {}^{Variable}\\ {}^{ADR}\\ {}^{Rdmt}\\ {}^{Rd$	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525 0.000429117 0.000234777 0.00098734 Mean 0.000914308 0.000955789 0.000409622 0.000234777 4.24E-06 Mean 0.000234787 0.00019285 0.000468324 0.000234777 0.000012268 Mean	0.0140233 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149 0.0113977 0.0124717 0.0084718 Std Dev 0.0239239 0.0246169 0.0181495 0.0124724 0.0079072 Std Dev 0.0178087 0.0172083 0.0089649 0.0124717 0.0031373 Std Dev	1.22 1.08 t Value 2.64 2.54 3.44 1.72 1.06 t Value 2.47 2.51 1.46 1.22 0.03 t Value 1.2 1.02 4.77 1.72 0.36 t Value	0.224 0.2802 Pr > t 0.0083 0.011 0.0006 0.0855 0.287 Pr > t 0.0136 0.0122 0.1449 0.224 0.9724 Pr > t 0.2284 0.3059 <.0001 0.0855 0.7209 Pr > t 	4174 4174 N 8348 8348 8348 8348 8348 8348 N 4174 4174 4174 4174 4174 N 8348 8348 8348 8348 8348 8348 8348	0.115307 0.187359 Maximum 0.171078 0.163121 0.097301 0.115307 0.061439 Maximum 0.229868 0.184448 0.149136 0.115307 0.056563 Maximum 0.657061 0.657061 0.657061 0.072022 0.115307 0.033777 Maximum	-0.089683 -0.159075 Minimum -0.237448 -0.279162 -0.083109 -0.089683 -0.066488 Minimum -0.195885 -0.194411 -0.126884 -0.089683 -0.047035 Minimum -0.313892 -0.313892 -0.08128 -0.089683 -0.031663 Minimum	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348 -0.4478829 -0.0189998 -0.3190851 Skewness -0.1610403 0.0129747 -0.2106927 -0.0190032 -0.0676188 Skewness 6.3794498 6.4408479 -0.738119 -0.0189998 -0.1079539 Skewness	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086 6.165403 8.1208216 3.2791209 Kurtosis 11.8186627 8.1495176 6.6074467 8.1264083 3.1234335 Kurtosis 262.6195882 285.7343859 11.6487171 8.1208216 15.3586677 Kurtosis
Philippines Perú Norway Nev	$\begin{array}{c} R_{Mt}^{MR}\\ R_{Mt}^{VSNVSE}\\ R_{St}^{VAriable}\\ \hline R_{tt}^{ADR}\\ R_{tt}^{ADR}\\ R_{tt}^{ADR}\\ R_{tt}^{Mome}\\ R_{tt}^{VSNVSE}\\ R_{St}^{FX}\\ \hline \textbf{Variable}\\ R_{tt}^{ADR}\\ R_{tt}^{RMt}\\ R_{St}^{VAriable}\\ R_{St}^{ADR}\\ \hline \textbf{Variable}\\ R_{tt}^{ADR}\\ R_{tt}^{BR}\\ R_{tt}^{ADR}\\ R_{tt}^{BR}\\ R$	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525 0.000429117 0.000234777 0.00098734 Mean 0.000914308 0.000955789 0.000409622 0.000234777 4.24E-06 Mean 0.000234787 0.00019285 0.000468324 0.000234777 0.000012268 Mean 0.000348175	0.0140233 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149 0.0113977 0.0124717 0.0084718 Std Dev 0.0239239 0.0246169 0.0124724 0.0079072 Std Dev 0.0172083 0.0089649 0.0124717 0.0031373 Std Dev 0.0175793	1.22 1.08 t Value 2.64 2.54 3.44 1.72 1.06 t Value 2.47 2.51 1.46 1.22 0.03 t Value 1.2 1.02 4.77 1.72 0.36 t Value	0.224 0.2802 $\mathbf{Pr} > \mathbf{t} $ 0.0083 0.011 0.0006 0.0855 0.287 $\mathbf{Pr} > \mathbf{t} $ 0.0136 0.0122 0.1449 0.224 0.9724 $\mathbf{Pr} > \mathbf{t} $ 0.2284 0.3059 <.0001 0.0855 0.7209 $\mathbf{Pr} > \mathbf{t} $ 0.205	4174 4174 N 8348 8348 8348 8348 8348 8348 N 4174 4174 4174 4174 4174 4174 N 8348 8348 8348 8348 8348 8348 8348 N	0.115307 0.187359 Maximum 0.171078 0.163121 0.097301 0.115307 0.061439 Maximum 0.229868 0.184448 0.149136 0.115307 0.056563 Maximum 0.657061 0.072022 0.115307 0.033777 Maximum 0.209677	-0.089683 -0.159075 Minimum -0.237448 -0.279162 -0.083109 -0.089683 -0.066488 Minimum -0.195885 -0.194411 -0.126884 -0.089683 -0.047035 Minimum -0.313892 -0.08128 -0.089683 -0.031663 Minimum -0.17554	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348 -0.4478829 -0.0189998 -0.3190851 Skewness -0.1610403 0.0129747 -0.2106927 -0.0190032 -0.0676188 Skewness 6.3794498 6.4408479 -0.738119 -0.0189998 -0.1079539 Skewness	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086 6.165403 8.1208216 3.2791209 Kurtosis 11.8186627 8.1495176 6.6074467 8.1264083 3.1234335 Kurtosis 262.6195882 285.7343859 11.6487171 8.1208216 15.3586677 Kurtosis 20.1700507
ıl Philippines Perú Norway Nev	$\begin{array}{c} {}_{Mt}\\ {}_{RMt}^{US,NYSE}\\ {}_{Rst}^{US,NYSE}\\ {}_{Rst}^{DR}\\ {}_{it}^{DR}\\ {}_{it}^{ADR}\\ {}_{it}^{Rit}\\ {}_{Rst}^{Mome}\\ {}_{Rst}^{VS,NYSE}\\ {}_{Rst}^{F\chi}\\ {}_{Rst}^{DR}\\ {}_{it}^{ADR}\\ {}_{it}^{Rit}\\ {}_{it}^{Rome}\\ {}_{Rst}^{ADR}\\ {}_{it}^{Ramellambox}\\ {}_{Rst}^{ADR}\\ {}_{it}^{ADR}\\ {}_{it}^{Rst}\\ {}_{Rst}^{DR}\\ {}_{Rst}^{Equily}\\ {}_{it}^{Rst}\\ {}_{Rst}^{DR}\\ {}_{Rst}^{F\chi}\\ {}_{Rst}^{ADR}\\ {}_{Rst}^{F\chi}\\ {}_{Rst}^{ADR}\\ {}_{Rst}^{F\chi}\\ {}_{Rst}^{ADR}\\ {}_{Rst}^{F\chi}\\ {}_{Rst}^{ADR}\\ {}_{Rst}^{F\chi}\\ {}_{Rst}^{ADR}\\ {}_{Rst}^{$	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525 0.000429117 0.000234777 0.000098734 Mean 0.000914308 0.000955789 0.000409622 0.000234777 4.24E-06 Mean 0.000234787 0.00019285 0.000468324 0.000234777 0.000012268 Mean 0.000348176 0.000312464	0.0140233 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149 0.0113977 0.0124717 0.0084718 Std Dev 0.0239239 0.0246169 0.0181495 0.0124724 0.0079072 Std Dev 0.0178087 0.0172083 0.0089649 0.0124717 0.0031373 Std Dev 0.0175703 0.0185498	1.22 1.08 t Value 2.64 2.54 3.44 1.72 1.06 t Value 2.47 2.51 1.46 1.22 0.03 t Value 1.2 1.02 4.77 1.72 0.36 t Value 1.28 1.00	0.224 0.2802 $\mathbf{Pr} > \mathbf{t} $ 0.0083 0.011 0.0006 0.0855 0.287 $\mathbf{Pr} > \mathbf{t} $ 0.0136 0.0122 0.1449 0.224 0.9724 $\mathbf{Pr} > \mathbf{t} $ 0.2284 0.3059 <.0001 0.0855 0.7209 $\mathbf{Pr} > \mathbf{t} $ 0.2005 0.2749	4174 4174 N 8348 8348 8348 8348 8348 8348 8348 8	0.115307 0.187359 Maximum 0.171078 0.163121 0.097301 0.115307 0.061439 Maximum 0.229868 0.184448 0.149136 0.115307 0.056563 Maximum 0.657061 0.072022 0.115307 0.033777 Maximum 0.209677 0.176231	-0.089683 -0.159075 Minimum -0.237448 -0.279162 -0.083109 -0.089683 -0.066488 Minimum -0.195885 -0.194411 -0.126884 -0.089683 -0.047035 Minimum -0.313892 -0.08128 -0.08128 -0.089683 -0.031663 Minimum -0.17654 0 122504	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348 -0.4478829 -0.0189998 -0.3190851 Skewness -0.1610403 0.0129747 -0.2106927 -0.0190032 -0.0676188 Skewness 6.3794498 6.4408479 -0.738119 -0.0189998 -0.1079539 Skewness 0.9891086 0.5020002	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086 6.165403 8.1208216 3.2791209 Kurtosis 11.8186627 8.1495176 6.6074467 8.1264083 3.1234335 Kurtosis 262.6195882 285.7343859 11.6487171 8.1208216 15.3586677 Kurtosis 20.1790507 0.0904016
tugal Philippines Perú Norway Nev	$\begin{array}{c} R_{Mt}^{Mt} \\ R_{Mt}^{US,NYSE} \\ R_{St}^{FX} \\ \hline \textbf{Variable} \\ R_{it}^{ADR} \\ R_{it}^{ADR} \\ R_{it}^{Mt} \\ R_{it}^{US,NYSE} \\ R_{St}^{FX} \\ \hline \textbf{Variable} \\ R_{it}^{ADR} \\ R_{it}^{ADR} \\ R_{it}^{HOme} \\ R_{it}^{Mt} \\ R_{St}^{Mt} \\ \hline \textbf{Variable} \\ R_{it}^{ADR} \\ R_{it}^{BR} \\ \hline \textbf{Variable} \\ R_{it}^{ADR} \\ R_{it}^{BR} \\ R_{it}^{BR}$	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525 0.000429117 0.000234777 0.000098734 Mean 0.000914308 0.000955789 0.000409622 0.000234777 4.24E-06 Mean 0.000234787 0.00019285 0.000468324 0.000234777 0.000012268 Mean 0.000348176 0.000313464	0.0140233 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149 0.0113977 0.0124717 0.0084718 Std Dev 0.0239239 0.0246169 0.0181495 0.0124724 0.0079072 Std Dev 0.0178087 0.0172083 0.0089649 0.0124717 0.0031373 Std Dev 0.0175703 0.0185408	1.22 1.08 t Value 2.64 2.54 3.44 1.72 1.06 t Value 2.47 2.51 1.46 1.22 0.03 t Value 1.2 1.02 4.77 1.72 0.36 t Value 1.28 1.09	0.224 0.2802 $\mathbf{Pr} > \mathbf{t} $ 0.0083 0.011 0.0006 0.0855 0.287 $\mathbf{Pr} > \mathbf{t} $ 0.0136 0.0122 0.1449 0.224 0.9724 $\mathbf{Pr} > \mathbf{t} $ 0.2284 0.3059 <.0001 0.0855 0.7209 $\mathbf{Pr} > \mathbf{t} $ 0.2005 0.2748 0.655 = 1	4174 4174 N 8348 8348 8348 8348 8348 8348 N 4174 4174 4174 4174 4174 N 8348 8348 8348 8348 8348 8348 N 4174 4174	0.115307 0.187359 Maximum 0.171078 0.163121 0.097301 0.115307 0.061439 Maximum 0.229868 0.184448 0.149136 0.115307 0.056563 Maximum 0.657061 0.072022 0.115307 0.033777 Maximum 0.209677 0.176331	-0.089683 -0.159075 Minimum -0.237448 -0.279162 -0.083109 -0.089683 -0.066488 Minimum -0.195885 -0.194411 -0.126884 -0.089683 -0.047035 Minimum -0.313892 -0.08128 -0.089683 -0.031663 Minimum -0.17654 -0.132594	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348 -0.4478829 -0.0189998 -0.3190851 Skewness -0.1610403 0.0129747 -0.2106927 -0.0190032 -0.0676188 Skewness 6.3794498 6.4408479 -0.738119 -0.0189998 -0.1079539 Skewness 0.9891086 0.5039093	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086 6.165403 8.1208216 3.2791209 Kurtosis 11.8186627 8.1495176 6.6074467 8.1264083 3.1234335 Kurtosis 262.6195882 285.7343859 11.6487171 8.1208216 15.3586677 Kurtosis 20.1790507 9.9904016
Portugal Philippines Perú Norway Nev	$\begin{array}{c} {}_{Mt} \\ {}_{RMt} \\ {}_{Mt} \\ {}_{RMt} \\ {}_{Rst} \\ {}_{St} \\ \hline \\ {}_{St} \\ \hline \\ {}_{St} \\ {}_{St} \\ \hline \\ {}_{St} \\ {}_{St} \\ {}_{St} \\ \hline \\ {}_{Rit} \\ {}_{Rit}$	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525 0.000429117 0.000234777 0.000098734 Mean 0.000914308 0.00095789 0.000409622 0.000234777 4.24E-06 Mean 0.000234787 0.00019285 0.000468324 0.000234777 0.000012268 Mean 0.000234777 0.000012268 Mean 0.000348176 0.000313464 0.00037991	0.0140233 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149 0.0113977 0.0124717 0.0084718 Std Dev 0.0239239 0.0246169 0.0181495 0.0124724 0.0079072 Std Dev 0.0178087 0.0172083 0.0089649 0.0124717 0.0031373 Std Dev 0.0175703 0.0185408 0.0132585	1.22 1.08 t Value 2.64 2.54 3.44 1.72 1.06 t Value 2.47 2.51 1.46 1.22 0.03 t Value 1.2 1.02 4.77 1.72 0.36 t Value 1.28 1.09 1.84	0.224 0.2802 Pr > t 0.0083 0.011 0.0006 0.0855 0.287 Pr > t 0.0136 0.0122 0.1449 0.224 0.9724 Pr > t 0.2284 0.3059 <.0001 0.0855 0.7209 Pr > t 0.2005 0.2748 0.0256	4174 4174 N 8348 8348 8348 8348 8348 8348 N 4174 4174 4174 4174 N 8348 8348 8348 8348 8348 8348 N 4174 4174	0.115307 0.187359 Maximum 0.171078 0.163121 0.097301 0.115307 0.061439 Maximum 0.229868 0.184448 0.149136 0.115307 0.056563 Maximum 0.657061 0.072022 0.115307 0.033777 Maximum 0.209677 0.176331 0.215956	-0.089683 -0.159075 Minimum -0.237448 -0.279162 -0.083109 -0.089683 -0.066488 Minimum -0.195885 -0.194411 -0.126884 -0.089683 -0.047035 Minimum -0.313892 -0.08128 -0.08128 -0.089683 -0.031663 Minimum -0.17654 -0.132594 -0.113189	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348 -0.4478829 -0.0189998 -0.3190851 Skewness -0.1610403 0.0129747 -0.2106927 -0.0190032 -0.0676188 Skewness 6.3794498 6.4408479 -0.738119 -0.0189998 -0.1079539 Skewness 0.9891086 0.5039093 1.1765839	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086 6.165403 8.1208216 3.2791209 Kurtosis 11.8186627 8.1495176 6.6074467 8.1264083 3.1234335 Kurtosis 262.6195882 285.7343859 11.6487171 8.1208216 15.3586677 Kurtosis 20.1790507 9.9904016 26.8259339
Portugal Philippines Perú Norway Nev	$\begin{array}{c} {}_{Mt} \\ {}_{RMt} \\ {}_{Mt} \\ {}_{RMt} \\ {}_{Mt} \\ {}_{Rst} \\ {}_{St} \\ \hline \\ {}_{St} \\ \hline \\ {}_{St} \\ {}_{St} \\ \hline \\ {}_{St} \\ {}_{St} \\ {}_{Rst} \\ {$	0.000198692 0.000234777 0.000099901 Mean 0.00055094 0.00056525 0.000429117 0.000234777 0.000098734 Mean 0.000914308 0.00095789 0.000409622 0.000234777 4.24E-06 Mean 0.000234787 0.00019285 0.000468324 0.000234777 0.000012268 Mean 0.000348176 0.000313464 0.000377991 0.0000234777	0.0140233 0.0124724 0.0059757 Std Dev 0.0190699 0.0203149 0.0113977 0.0124717 0.0084718 Std Dev 0.0239239 0.0246169 0.0181495 0.0124724 0.0079072 Std Dev 0.0178087 0.0172083 0.0089649 0.0124717 0.0031373 Std Dev 0.0175703 0.0185408 0.0132585 0.0124724	1.22 1.08 t Value 2.64 2.54 3.44 1.72 1.06 t Value 2.47 2.51 1.46 1.22 0.03 t Value 1.2 1.02 4.77 1.72 0.36 t Value 1.28 1.09 1.84 1.22	0.224 0.2802 Pr > t 0.0083 0.011 0.0006 0.0855 0.287 Pr > t 0.0136 0.0122 0.1449 0.224 0.9724 Pr > t 0.2284 0.3059 <.0001 0.0855 0.7209 Pr > t 0.2005 0.2748 0.0656 0.224	4174 4174 N 8348 8348 8348 8348 8348 8348 N 4174 4174 4174 N 8348 8348 8348 8348 8348 8348 N 4174 4174	0.115307 0.187359 Maximum 0.171078 0.163121 0.097301 0.115307 0.061439 Maximum 0.229868 0.184448 0.149136 0.115307 0.056563 Maximum 0.657061 0.657061 0.072022 0.115307 0.033777 Maximum 0.209677 0.176331 0.215956 0.115307	-0.089683 -0.159075 Minimum -0.237448 -0.279162 -0.083109 -0.089683 -0.066488 Minimum -0.195885 -0.194411 -0.126884 -0.089683 -0.047035 Minimum -0.313892 -0.08128 -0.08128 -0.08128 -0.089683 -0.031663 Minimum -0.17654 -0.132594 -0.113189 -0.089683	-0.0190032 2.8598485 Skewness -0.0763978 -0.15348 -0.4478829 -0.0189998 -0.3190851 Skewness -0.1610403 0.0129747 -0.2106927 -0.0190032 -0.0676188 Skewness 6.3794498 6.4408479 -0.738119 -0.0189998 -0.1079539 Skewness 0.9891086 0.5039093 1.1765839 -0.0190032	8.1264083 352.3129704 Kurtosis 10.9429826 12.4327086 6.165403 8.1208216 3.2791209 Kurtosis 11.8186627 8.1495176 6.6074467 8.1264083 3.1234335 Kurtosis 262.6195882 285.7343859 11.6487171 8.1208216 15.3586677 Kurtosis 20.1790507 9.9904016 26.8259339 8.1264083

	Variable	Mean	Std Dev	t Value	Pr > t	N	Maximum	Minimum	Skewness	Kurtosis	
	R_{it}^{ADR}	0.000652126	0.0218788	4.31	<.0001	20870	1	-0.571323	7.0843942	312.5076699	
ia	R_{it}^{Equity}	0.000858572	0.0308829	4.02	<.0001	20870	0.602425	-0.376123	1.9720307	47.5473775	
ssn	R ^{Home}	0.000100705	0.0135023	1.08	0.2813	20870	0.11543	-0.120198	-0.0474811	7.0051504	
μ.	R ^{US NYSE}	0.000234777	0.0124712	2.72	0.0065	20870	0.115307	-0.089683	-0.0189977	8.117472	
	R_{st}^{FX}	0.000125052	0.0094585	1.91	0.0561	20870	0.430515	-0.306604	14.4601852	1291.02	
	Variable	Mean	Std Dev	t Value	Pr > t	Ν	Maximum	Minimum	Skewness	Kurtosis	
а	R_{it}^{ADR}	0.000632865	0.0257916	4.48	<.0001	33392	0.371904	-0.267784	0.687853	13.077314	
fric	R_{it}^{Equity}	0.000668717	0.0273211	4.47	<.0001	33392	0.504851	-0.336192	0.9287036	19.4493298	
thA	R ^{Home}	0.000250184	0.0116058	3.94	<.0001	33392	0.097753	-0.081812	-0.2170346	5.832093	
Sout	R ^{US NYSE}	0.000234777	0.0124711	3.44	0.0006	33392	0.115307	-0.089683	-0.0189972	8.1166349	
•1	R _{st} ^{FX}	0.000042737	0.0033158	2.36	0.0185	33392	0.023507	-0.026326	-0.041864	5.0331045	
	Variable	Mean	Std Dev	t Value	Pr > t	N	Maximum	Minimum	Skewness	Kurtosis	
	R_{it}^{ADR}	0.000254467	0.0189293	1.74	0.0824	16696	0.435351	-0.21605	1.6543081	40.019418	
u	R_{it}^{Equity}	0.00026279	0.0189447	1.79	0.0731	16696	0.230184	-0.183033	0.2947042	12.8565739	
pai	R ^{Home}	0.000453798	0.0174315	3.36	0.0008	16696	0.128812	-0.129267	-0.2066385	4.7712614	
•1	R ^{US NYSE}	0.000234777	0.0124713	2.43	0.015	16696	0.115307	-0.089683	-0.0189981	8.1180301	
	R ^{FX}	0.000158446	0.0112454	-1.82	0.0687	16696	0.136331	-0.146872	-0.4131996	15.8421322	
	Variable	Mean	Std Dev	t Value	Pr > t	N	Maximum	Minimum	Skewness	Kurtosis	
	R_{it}^{ADR}	0.000405647	0.0283433	1.31	0.191	8348	1	-0.415195	4.8194553	198.9008524	
en	R_{it}^{Equity}	0.000403614	0.026351	1.4	0.1617	8348	0.217797	-0.249981	-0.0273068	11.4641027	
wed	R ^{Home}	0.000284552	0.0154548	1.68	0.0926	8348	0.141743	-0.090888	0.1901074	5,7022643	
Ś	R ^{US NYSE}	0.000234777	0.0124717	1.72	0.0855	8348	0.115307	-0.089683	-0.0189998	8.1208216	
	R ^{FX}	0.000092396	0.0045276	1.86	0.0623	8348	0.023856	-0.025014	0.1223496	3.9833445	
	Variable	Mean	Std Dev	t Value	Pr > t	Ν	Maximum	Minimum	Skewness	Kurtosis	
Ŧ	R_{it}^{ADR}	0.000413987	0.0230653	2.32	0.0204	16696	1	-0.616972	4.2230455	299.612307	
lanc	R_{it}^{Equity}	0.000393737	0.0201827	2.52	0.0117	16696	0.234523	-0.395833	-0.4100334	27.7182984	
tzer	R_{Mt}^{Home}	0.000381134	0.0185208	2.66	0.0078	16696	0.142846	-0.097544	0.1949402	4.6779355	
Swi	R ^{US NYSE}	0.000234777	0.0124713	2.43	0.015	16696	0.115307	-0.089683	-0.0189981	8.1180301	
	R_{St}^{FX}	0.000029081	0.0079127	0.47	0.6349	16696	0.057974	-0.041474	0.0898692	2.8538431	
	Variable	Mean	Std Dev	t Value	$\mathbf{Pr} > \mathbf{t} $	Ν	Maximum	Minimum	Skewness	Kurtosis	
	R_{it}^{ADR}	0.000181684	0.0232677	1.33	0.182	29218	0.391304	-0.381825	0.5910285	18.6116945	
an	R_{it}^{Equity}	0.000265113	0.0255141	1.78	0.0757	29218	0.464262	-0.381825	0.9962	18.9387828	
aiw	R ^{Home} _{Mt}	0.000198458	0.0104185	3.26	0.0011	29218	0.103254	-0.069919	-0.0177625	7.5265813	
Г	R ^{US NYSE}	0.000234777	0.0124711	3.22	0.0013	29218	0.115307	-0.089683	-0.0189974	8.1168342	
	R_{St}^{FX}	0.000134521	0.007506	3.06	0.0022	29218	0.186981	-0.086888	3.4540075	97.0535903	
	Variable	Mean	Std Dev	t Value	Pr > t	Ν	Maximum	Minimum	Skewness	Kurtosis	
	R_{it}^{ADR}	0.000495087	0.031512	1.02	0.3101	4174	0.507891	-0.293062	1.3456482	29.1066938	
ey	R_{it}^{Equity}	0.000260471	0.0293843	0.57	0.5669	4174	0.369306	-0.419506	-0.024271	23.1834021	
urk	R_{Mt}^{Home}	0.00016593	0.0153671	0.7	0.4855	4174	0.085124	-0.10346	0.0164624	2.9819084	
Г	R ^{US NYSE}	0.000234777	0.0124724	1.22	0.224	4174	0.115307	-0.089683	-0.0190032	8.1264083	
	R_{St}^{FX}	-6.13E-06	0.0030927	-0.13	0.8981	4174	0.035612	-0.034387	0.2473879	24.5913852	
	Variable	Mean	Std Dev	t Value	Pr > t	Ν	Maximum	Minimum	Skewness	Kurtosis	
	R_{it}^{ADR}	0.000309586	0.0242344	5.02	<.0001	154438	1	-0.780952	0.7127597	114.6890727	
	R_{it}^{Equity}	0.000511512	0.0306871	6.55	<.0001	154438	1	-0.780952	8.4434748	351.659368	
UK	R_{Mt}^{Home}	1.0870698	9.2913278	45.98	<.0001	154438	99	-0.999977	9.3811375	90.353229	
	R ^{US NYSE}	0.000234777	0.0124709	7.4	<.0001	154438	0.115307	-0.089683	-0.0189966	8.1155415	
	R_{st}^{FX}	-0.000338354	0.0112985	-11.77	<.0001	154438	0.10568	-0.214969	-2.7571196	50.8026234	

3.1 The Firm-Specific Empirical Time Series Models

This research utilizes an adapted longitudinal Market Model for each of the ADR and equity shares which are specifically designed to capture the abnormal returns associated with (1) the earnings release date, and (2) the SEC Form 20-F filing date. More precisely, we employ qualitative variables to capture the impact of the earnings release date and the SEC Form 20-F file date upon the relation between the ADR share and equity share returns and their respective market-wide movements (i.e., the market average return). That is, we include earnings released and Form 20-F filing date qualitative variables (i.e., taking values of one on trading days surrounding the earnings release and Form 20-F filing dates and are zero valued all other trading days) to measure the abnormal returns associated with the earnings release and Form 20-F filing dates. Furthermore, we include the U.S. dollar reported earnings and U.S. GAAP earnings in the respective ADR and equity share return time series

models in order to quantitatively measure the degree of association between the magnitudes reported and U.S. GAAP earnings and the respective abnormal equity and ADR share returns. The degree of association between earnings measures and abnormal security returns is taken as a measure of earnings quality and provides a vehicle for comparing the information conveyed at the earnings release with the information disclosed with the SEC Form 20-F filing.

We are particularly interested in the coefficients β_{1i}^{Equity} , β_{3i}^{Equity} , and β_{1i}^{ADR} , β_{3i}^{ADR} , which will measure the earning release date and SEC Form 20-F filing date abnormal returns in the ADR and home country equity share markets. The earnings coefficients β_{2i}^{Equity} , β_{4i}^{Equity} , and β_{2i}^{ADR} , β_{4i}^{ADR} , will measure the degree of association between the magnitudes of earnings and magnitudes of abnormal returns associated with the earnings release and SEC Form 20-F filing date, providing a way of measuring the perceived quality of the disclosures as well as making comparisons.

$$\begin{aligned} & \text{Summary Of ADR and Equity Share Market Models Employed To Measure Abnormal Returns} \\ & 1. \quad R_{lt}^{Equity} = \beta_{0l}^{Equity} + \beta_{1l}^{Equity} \cdot D_{lt}^{EAD} + \beta_{2l}^{Equity} \cdot D_{lt}^{EAD} \cdot \frac{E_{lt}^{Reported}}{P_{lt-3}^{AR-Equity}} + \beta_{3l}^{Equity} \cdot D_{lt}^{SEC 20-F} + \beta_{4i}^{Equity} \cdot D_{lt}^{SEC 20-F} \cdot \frac{E_{lt}^{USGAAP}}{P_{lt-3}^{ADR}} + \beta_{5i}^{Equity} \\ & \cdot R_{Mt}^{Home} + \beta_{6i}^{Equity} \cdot R_{Mt}^{MS} + \beta_{7i}^{Equity} \cdot R_{5t}^{FX} + \varepsilon_{t}^{Equity} \\ 2. \quad R_{lt}^{ADR} = \beta_{0l}^{ADR} + \beta_{1l}^{ADR} \cdot D_{lt}^{EAD} + \beta_{2l}^{ADR} \cdot D_{lt}^{EAD} \cdot \frac{E_{lt}^{Reported}}{P_{lt-3}^{ADR-Equity}} + \beta_{3l}^{ADR} \cdot D_{lt}^{SEC 20-F} + \beta_{4i}^{ADR} \cdot D_{lt}^{SEC 20-F} \cdot \frac{E_{lt}^{USGAAP}}{P_{lt-3}^{ADR}} + \beta_{5i}^{ADR} \cdot R_{Mt}^{Home} \\ & + \beta_{6l}^{ADR} \cdot D_{lt}^{EAD} + \beta_{2l}^{ADR} \cdot R_{5t}^{FX} + \varepsilon_{t}^{ADR} \\ 3. \quad R_{lt}^{Equity} = \beta_{0l}^{Equity} + \beta_{1l}^{Equity} \cdot D_{lt}^{EAD} + \beta_{2l}^{Equity} \cdot D_{lt}^{EAD} \cdot \frac{E_{lt}^{Reported}}{P_{lt-3}^{ADR-Equity}} + \beta_{3l}^{Equity} \cdot D_{lt}^{SEC 20-F} + \beta_{4l}^{Equity} \cdot D_{lt}^{SEC 20-F} \\ & \cdot \frac{E_{lt}^{USGAAP}}{P_{lt-3}^{ADR}} + \beta_{2l}^{Equity} \cdot D_{lt}^{EAD} + \beta_{2l}^{Equity} \cdot D_{lt}^{EAD} + \beta_{3l}^{Equity} \cdot R_{3l}^{SEC 20-F} + \beta_{4l}^{Equity} \cdot D_{lt}^{SEC 20-F} \\ & \cdot \frac{E_{lt}^{USGAAP}}{P_{lt-3}^{ADR}} + \beta_{2l}^{Equity} \cdot D_{lt}^{EAD} + \beta_{2l}^{Equity} \cdot R_{3l}^{Reported}} + \beta_{3l}^{Equity} \cdot R_{3l}^{SEC 20-F} + \beta_{4l}^{Equity} \cdot D_{st}^{SEC 20-F} \\ & \cdot \frac{E_{lt}^{USGAAP}}{P_{lt-3}^{ADR}} + \beta_{2l}^{Equity} \cdot D_{lt}^{EAD} + \beta_{2l}^{Equity} \cdot R_{3l}^{EAD} + \beta_{3l}^{Equity} \cdot R_{3l}^{SEC 20-F} + \beta_{4l}^{Equity} \cdot R_{5t}^{SEC 20-F} \\ & \cdot \frac{E_{lt}^{USGAAP}}{P_{lt-3}^{ADR}} + \beta_{2l}^{Equity} \cdot D_{lt}^{EAD} + \beta_{2l}^{Equity} \cdot D_{lt}^{EAD} + \beta_{2l}^{Equity} \cdot R_{4l}^{BADR-Equity} + \beta_{3l}^{Equity} \cdot D_{lt}^{SEC 20-F} + \beta_{4l}^{Equity} \cdot D_{lt}^{SEC 20-F} \\ & \cdot \frac{E_{lt}^{USGAAP}}{P_{lt}^{ADR}} + \beta_{2l}^{Equity} \cdot D_{lt}^{EAD} + \beta_{2l}^{Equity} \cdot D_{lt}^{EAD} + \beta_{2l}^{Equity} \cdot R_{4l}^{BADR-Equity} + \beta_{3l}^{Equity} \cdot D_{lt}^{SEC 20-F} \\ & \cdot \frac{E_{lt}^{USGA$$

Cross Section Statistics and Hypotheses Tests

Having four measures of abnormal returns and four measures of associations between magnitudes of earning and magnitudes of abnormal returns produced by the firm-specific longitudinal models, we perform cross-sectional tests in order to investigate the statistical significance of the of the coefficients, as well as make statistical comparisons of their magnitudes. We first test whether the abnormal returns in the ADR and equity share markets that coincided with the earnings release date are statistically different from zero at the $\alpha = 0.05$ confidence level (i.e., H_{01}^{jk} : $\beta_{1i}^k = 0$; H_{A1}^{jk} : $\beta_{1i}^k \neq 0$, $\forall k:k=1,...,4$). Statistically significant abnormal ADR and equity share returns around the earnings release provides an indication that the earnings release conveys information to investors which they find useful in establishing ADR and equity share prices. Consequently, we interpret statistically significant abnormal returns as evidence substantiating the usefulness of reported earnings. Second, we test for the presence of abnormal ADR and equity share returns associated with the SEC Form 20-F filing date (i.e., H_{02}^{jk} : $\beta_{3i}^{k} = 0$; H_{A2}^{jk} : $\beta_{3i}^{k} \neq 0$, $\forall k: k=1,...,4$). Statistically significant, abnormal ADR, and equity share returns around the SEC Form 20-F filing date provides an indication that the SEC disclosures communicate information to investors which they find useful in setting ADR and equity share prices. As a result, we interpret statistically significant (at the $\alpha = 0.05$ confidence level) abnormal returns as evidence regarding the usefulness of SEC Form 20-F disclosures. Third, we perform statistical tests addressing the significance of the association between the magnitudes of reported earnings and the magnitudes of the abnormal ADR and equity share returns around the earnings release date (i.e. H_{03}^{jk} : $\beta_{2i}^k = 0$; H_{A3}^{jk} : $\beta_{2i}^k \neq 0$, $\forall k:k=1,...,4$). The presence of a statistically significant at the $\alpha = 0.05$ confidence level association between magnitudes of reported earnings and magnitudes of ADR and equity share abnormal returns coinciding with the earnings release date is interpreted as evidence regarding the quality of reported earnings. Fourth, we perform statistical tests regarding the significance of the association between the magnitudes of U.S. GAAP earnings and the magnitudes of the abnormal ADR and equity share returns coinciding with the SEC Form 20-F filing date (i.e. H_{04}^{jk} ; $\beta_{4i}^{k} = 0$; H_{A4}^{k} : $\beta_{4i}^{k} \neq 0$, $\forall k:k=1,...,4$). The statistical significance of the empirical association between magnitudes of U.S. GAAP earnings and the magnitudes of the abnormal ADR and equity share returns coinciding with the SEC Form 20-F filing date is interpreted as evidence regarding the quality of U.S. GAAP earnings. Next, we perform in the statistical comparison of the magnitudes of the ADR and equity share abnormal returns associated with the (earlier) earnings release date and the (later) SEC Form 20-F filing date (i.e., H_{05}^{ik} : $\beta_{1i}^{k} = \beta_{3i}^{k}$; H_{A5}^{ik} : $\beta_{1i}^{i} \neq \beta_{3i}^{k}$, $\forall k:k=1,...,4$). A statistically significant difference between the magnitudes of the two-disclosure date abnormal returns provides an indication regarding investors' perceived comparative usefulness of the relative strength of the association between magnitudes of reported earnings and ADR and equity share abnormal returns associated with the SEC Form 20-F filing date (i.e., H_{05}^{ik} : $\beta_{2i}^{k} = \beta_{4i}^{k}$, H_{A5}^{ik} : $\beta_{2i}^{k} \neq \beta_{3i}^{k}$, $\forall k:k=1,...,4$). A statistically significant difference between the magnitudes of the two-disclosure in evaluating ADR and equity share values. And last, we undertake a statistical comparison of the relative strength of the association between magnitudes of reported earnings and ADR and equity share abnormal returns associated with the sec Form 20-F filing date (i.e., H_{06}^{ik} : $\beta_{2i}^{k} = \beta_{4i}^{k}$; H_{A6}^{ik} : $\beta_{2i}^{k} \neq \beta_{4i}^{k}$, $\forall k:k=1,...,4$). A statistically significant (at the $\alpha = 0.05$ confidence level) difference between the magnitudes of the two earnings-abnormal returns correlation measures yields evidence regarding investors' evaluation of comparative earnings quality for purposes of establishing ADR and equity share prices.

Equity a	nd ADR Share Market Joint Earnings Release and SEC Form 20-F Disclosure Return Response
Model	Firm-Specific Time Series Regression Equation
k = 1	$R_{it}^{Equity} = \beta_{0i}^{Equity} + \beta_{1i}^{Equity} \cdot D_{it}^{EAD} + \beta_{2i}^{Equity} \cdot D_{it}^{EAD} \cdot \frac{E_{it-1}^{Reported}}{P_{it-3}^{ADR-Equity}} + \beta_{3i}^{Equity} \cdot D_{it}^{SEC\ 20-F} + \beta_{4i}^{Equity} \cdot D_{it}^{SEC\ 20-F} \cdot \frac{E_{it-1}^{USGAAP}}{P_{it-3}^{ADR-Equity}} + \beta_{3i}^{Equity} \cdot D_{it}^{SEC\ 20-F} + \beta_{4i}^{Equity} \cdot D_{it}^{SEC\ 20-F} + \beta_{4i}^{SEC\ 20-F} + $
	$+ \beta_{5i}^{Equity} \cdot R_{Mt}^{Home} + \beta_{6i}^{Equity} \cdot R_{Mt}^{US} + \beta_{7i}^{Equity} \cdot R_{St}^{F\chi} + \varepsilon_t^{Equity}$
k = 2	$R_{it}^{ADR} = \beta_{0i}^{ADR} + \beta_{1i}^{ADR} \cdot D_{it}^{EAD} + \beta_{2i}^{ADR} \cdot D_{it}^{EAD} \cdot \frac{E_{it-1}^{Reported}}{P_{it-3}^{ADR-Equity}} + \beta_{3i}^{ADR} \cdot D_{it}^{SEC\ 20-F} + \beta_{4i}^{ADR} \cdot D_{it}^{SEC\ 20-F} \cdot \frac{E_{it-1}^{USGAAP}}{P_{it-3}^{ADR}} + \beta_{5i}^{ADR} \cdot D_{it}^{SEC\ 20-F} + \beta_{4i}^{ADR} \cdot D_{it}^{SEC\ 20-F} \cdot \frac{E_{it-1}^{USGAAP}}{P_{it-3}^{ADR}} + \beta_{5i}^{ADR} \cdot D_{it}^{SEC\ 20-F} + \beta_{4i}^{ADR} \cdot D_{it}^{SEC\ 20-F} \cdot \frac{E_{it-1}^{USGAAP}}{P_{it-3}^{ADR}} + \beta_{5i}^{ADR} \cdot \frac{E_{it-1}^{USGAAP}}{P_{it-3}^{ADR}} + \beta_{5i}^{ADR} \cdot \frac{E_{it-1}^{USC\ 20-F}}{P_{it-3}^{ADR}} + \beta_{5i}^{ADR} \cdot \frac$
	$\cdot R_{Mt}^{Home} + \beta_{6i}^{ADR} \cdot R_{Mt}^{US} + \beta_{7i}^{ADR} \cdot R_{St}^{FX} + \varepsilon_t^{ADR}$
k = 3	$R_{it}^{Equity} = \beta_{0i}^{Equity} + \beta_{1i}^{Equity} \cdot D_{it}^{EAD} + \beta_{2i}^{Equity} \cdot D_{it}^{EAD} \cdot \frac{E_{it}^{Reported}}{P_{it-3}^{ADR-Equity}} + \beta_{3i}^{Equity} \cdot D_{it}^{SEC\ 20-F} + \beta_{4i}^{Equity} \cdot D_{it}^{SEC\ 20-F}$
	$\cdot \frac{E_{it}^{USGAAP} - E_{it}^{Reported}}{P_{it-3}^{ADR}} + \beta_{5i}^{Equity} \cdot R_{Mt}^{Home} + \beta_{6i}^{Equity} \cdot R_{Mt}^{US} + \beta_{7i}^{Equity} \cdot R_{St}^{FX} + \varepsilon_{t}^{Equity}$
k = 4	$R_{it}^{ADR} = \beta_{0i}^{ADR} + \beta_{1i}^{ADR} \cdot D_{it}^{EAD} + \beta_{2i}^{ADR} \cdot D_{it}^{EAD} \cdot \frac{E_{it}^{Reported}}{P_{it-3}^{ADR-equity}} + \beta_{3i}^{ADR} \cdot D_{it}^{SEC\ 20-F} + \beta_{4i}^{ADR} \cdot D_{it}^{SEC\ 20-F} \cdot \frac{E_{it}^{USGAAP} - E_{it}^{Reported}}{P_{it-3}^{ADR-equity}}$
	$+ \beta_{5i}^{ADR} \cdot R_{Mt}^{Home} + \beta_{6i}^{ADR} \cdot R_{Mt}^{US} + \beta_{7i}^{ADR} \cdot R_{St}^{FX} + \varepsilon_t^{ADR}$

$\mathbf{H}_{01}^{jk}: \ \beta_{1i}^{k} = 0$	We test the null hypothesis that the reported earnings release date indicator variable coefficient β_{1i}^k is equal to zero
$\mathbf{H}^{jk} \cdot \boldsymbol{\beta}^k \cdot \neq 0$	at the $\alpha = 0.05$ confidence level. The alternative hypothesis is that the coefficient for the reported earnings release
h_{A1} . $p_{1i} \neq 0$	date indicator variable is significantly different from zero at the $\alpha = 0.05$ confidence level. We conjecture that the
	ADR and equity share markets will display significant abnormal returns on the earnings release date.
$H_{03}^{jk}: \beta_{2i}^{k} = 0$	We test the null hypothesis that the release date reported earnings magnitudes variable coefficient β_{2i}^k is equal to
vik ok o	zero at the $\alpha = 0.05$ confidence level. The alternative hypothesis is that the coefficient for the release date reported
$H_{A3}^{j,n}: \beta_{2i}^{n} > 0$	earnings magnitudes variable is significantly greater than zero at the $\alpha = 0.05$ confidence level. We conjecture that
	the ADR and equity share release date abnormal returns will be proportional with magnitudes of reported earnings
	on the earnings report date.
H_{04}^{jk} ; $\beta_{4i}^{k} = 0$	We test the null hypothesis that the SEC Form 20-F filing date U.S. GAAP earnings magnitudes variable coefficient
uik ok o	β_{4i}^k is equal to zero. The alternative hypothesis is that the coefficient for the SEC Form 20-F filing date U.S. GAAP
$H_{A4}^{j,n}: \beta_{4i}^{n} > 0$	earnings magnitudes variable is significantly greater than zero at the $\alpha = 0.05$ confidence level. We conjecture that
	ADR and equity share markets will display significant abnormal returns which are proportional with SEC Form
	20-F filing date U.S. GAAP earnings magnitudes.
H_{ar}^{jk} : $\beta_{1i}^k = \beta_{2i}^k$	We test the null hypothesis that the reported earnings release date and the SEC Form 20-F filing date ADR and
	equity market abnormal returns are equal to one another i.e., $\beta_{1i}^k - \beta_{3i}^k = 0$. The alternative hypothesis is that the
$\mathbf{H}_{A5}^{j\kappa}: \ \beta_{1i}^{\kappa} \neq \beta_{3i}^{\kappa}$	reported earnings release date and the SEC Form 20-F filing date ADR and equity market abnormal returns are
	significantly different from one another at the $\alpha = 0.05$ confidence level. We conjecture that the relation between
	magnitudes of reported earnings release date and the SEC Form 20-F filing date ADR and equity market abnormal
	returns provides insight into the investors perceived quality of the comparative earnings disclosures.

$H_{06}^{jk}: \beta_{2i}^k = \beta_{4i}^k$	We test the null hypothesis that the association of magnitudes of reported earnings and SEC Form 20-F U.S. GAAP
\mathbf{u}^{jk} , $\rho^k \neq \rho^k$	earnings with earnings release date and SEC Form 20-F filing date abnormal returns are equal to one another i.e.,
H_{A6}^{\prime} : $\beta_{2i}^{\prime} \neq \beta_{4i}^{\prime}$	β_{2i}^k - $\beta_{4i}^k = 0$. The alternative hypothesis is that the association of magnitudes of reported earnings and SEC Form
	20-F U.S. GAAP earnings with earnings release date and SEC Form 20-F filing date abnormal returns are
	coefficient significantly differ from one another zero at the $\alpha = 0.05$ confidence level. We conjecture that differences
	in the association of magnitudes of release date earnings and the SEC Form 20-F filing date U.S. GAAP earnings
	with magnitudes of ADR and equity market abnormal returns provides insight into the investors' perceptions of the
	comparative quality of the earnings disclosures.

4. Statistical Model Estimation and Results of Hypothesis Tests

The results of the cross-sectional statistical tests addressing the significance and the quality of the time-series coefficients are shown in Table 2 through Table 5. It is apparent that, in general, virtually all of the time-series coefficient estimates are significantly different from zero. The first hypotheses that we test address whether the abnormal returns in the ADR and equity share markets that coincided with the earnings release date are statistically different from zero at the $\alpha = 0.05$ confidence level (i.e. H_{01}^{jk} : $\beta_{11}^k = 0$; H_{A1}^{jk} : $\beta_{11}^k \neq 0$, $\forall k:k=1,...,4$). The results indicate that these null hypotheses are rejected at the $\alpha = 0.05$ confidence level. Consequently, we conclude that statistically significant abnormal ADR and equity share returns occur around the earnings release dates. We interpret this result as a compelling indication that the earnings release conveys information to investors which they find useful in establishing ADR and equity share prices, and consider the finding substantiating evidence regarding the usefulness of reported earnings.

Table 2. Results of single equation ADR share market joint earnings release and sec form 20-F disclosure response

Mean Coefficient Values for Equity Return Equation No.1: The equity return equations were estimated of 354 firms using a time series of daily home country equity returns over the 16-year period from 2000 to 2015. For each firm time series Ordinary Least Squares estimation techniques were employed to estimate the coefficients. Descriptive Statistics for the coefficient values and related hypotheses tests are shown below.

Model Variable	Descriptiv	e Statistics			Related Hypotheses Tests			Hypotheses Tests Results			
β_{0i}^{Equity} Intercept	Basic Stat	istical Meas	ures		Tests for Locat	ion: $H_{0:}\beta$	$Equity_{0i} = 0$				
	Location		Variability		Test Statistic			p Value			
	Mean	0.000302	Std Dev	0.000335	Student's t	t	23.9709	Pr > t	<.0001	‡	Reject
	Median	0.000298	Variance	0.000000	Sign	М	263.0000	Pr >= M	<.0001	‡	Reject
	Mode	0.000295	Range	0.006080	Signed Rank	S	110851.5000	$\Pr >= S $	<.0001	‡	Reject
β_{1i}^{Equity} Earning	Basic Statistical Measures			Tests for Location: $\beta_{1i}^{Equity}=0$							
Release Date	Location Va		Variability		Test	Statistic		p Value			
	Mean	0.002940	Std Dev	0.007120	Student's t	t	10.9810	$\Pr > t $	<.0001	‡	Reject
	Median	0.004460	Variance	0.000051	Sign	М	166.0000	Pr >= M	<.0001	‡	Reject
	Mode	-0.002560	Range	0.063990	Signed Rank	S	68082.0000	$\Pr >= S $	<.0001	‡	Reject
β_{2i}^{Equity} Reported	Basic Statistical Measures 7				Tests for Location: $\beta_{2i}^{Equity}=0$						
Earnings	Location		Variability		Test	Statistic		p Value			
	Mean	0.007995	Std Dev	0.131670	Student's t	t	1.5845	$Pr > \left t \right $	0.1135		
	Median	0.002068	Variance	0.017340	Sign	М	168.0000	Pr >= M	<.0001	‡	Reject
	Mode	0.000000	Range	3.844640	Signed Rank	S	59818.0000	$\Pr >= S $	<.0001	‡	Reject
β_{3i}^{Equity} SEC Form 20-F	Basic Stat	istical Meas	ures		Tests for Locat	ion: β_{3i}^{Equ}	ity=0				
Filing Date	Location		Variability		Test	Statistic		p Value			
	Mean	0.002681	Std Dev	0.006230	Student's t	t	11.2102	$Pr > \left t \right $	<.0001	‡	Reject
	Median	0.003160	Variance	0.000039	Sign	М	160.0000	Pr >= M	<.0001	‡	Reject
	Mode	0.000000	Range	0.110790	Signed Rank	S	66752.0000	$\Pr >= S $	<.0001	‡	Reject
β_{4i}^{Equity} U.S. GAAP	Basic Stati	stical Measu	ires		Tests for I	Location:	$\beta_{4i}^{Equity}=0$				
Earnings	Location		Variability		Test	Statistic		p Value			
	Mean	0.004654	Std Dev	0.014040	Student's t	t	8.2952	$\Pr > t $	<.0001	‡	Reject
	Median	0.001610	Variance	0.000197	Sign	М	147.5000	Pr >= M	<.0001	‡	Reject
	Mode	0.000000	Range	0.235290	Signed Rank	S	45941.0000	Pr >= S	<.0001	‡	Reject
β_{5i}^{Equity} Equity Market	Basic Stat	istical Meas	ures		Tests for Locat	ion β_{5i}^{Equi}	ty = 0				
Return	Location		Variability		Test	Statistic		p Value			
	Mean	0.064672	Std Dev	0.077170	Student's t	t	21.9015	$Pr > \left t \right $	<.0001	‡	Reject
	Median	0.033796	Variance	0.005960	Sign	М	281.0000	$\Pr >= M $	<.0001	‡	Reject
	Mode	0.000000	Range	0.589400	Signed Rank	S	102901.0000	$\Pr >= S $	<.0001	‡	Reject

β_{6i}^{Equity} U.S. ADR Market	Basic Stati	stical Meas	ures		Tests for Location: $\beta_{6i}^{Equity}=0$							
Return	Location		Variability		Test	Statistic		p Value				
	Mean	0.315411	Std Dev	0.353820	Student's t	t	23.7200	$Pr > \left t \right $	<.0001	‡	Reject	
	Median	0.064900	Variance	0.125190	Sign	М	352.0000	Pr >= M	<.0001	‡	Reject	
	Mode	0.022471	Range	1.416730	Signed Rank	S	125125.0000	Pr >= S	<.0001	‡	Reject	
β_{7i}^{Equity} Home Country	Basic Stati	asic Statistical Measures				Tests for Location: $\beta_{7i}^{Equity}=0$						
Currency Spot Rate	Location		Variability		Test	Statistic		p Value				
	Mean	0.078292	Std Dev	0.183310	Student's t	t	10.9724	$Pr > \left t \right $	<.0001	‡	Reject	
	Median	0.055776	Variance	0.033600	Sign	М	210.0000	Pr >= M	<.0001	‡	Reject	
	Mode	0.000000	Range	3.249340	Signed Rank	S	69429.5000	$\Pr >= S $	<.0001	‡	Reject	
Hypothesis Test: H ₀ : β_{1i}^{Equi}	ypothesis Test: H ₀ : $\beta_{1i}^{Equity} = \beta_{3i}^{Equity}$ Pr >= S 0.0018 ‡ Reject Hypothesis Test: H ₀ : $\beta_{2i}^{Equity} = \beta_{4i}^{Equity}$ Pr >= S 0.3862 Not Reject											

1: Tests the null hypothesis that the abnormal returns associated with the earnings release and the SEC Form 20-F filing date in ADR share market are equal to one another. Table 2 indicates that the null hypothesis of no difference is rejected at the $\alpha = 0.05$ confidence level. Consequently, we conclude that the abnormal returns associated with the earnings release are larger than the abnormal returns associated with the SEC Form 20-F filing date in the ADR share market.

2: Tests the null hypothesis that there is no difference in the association between magnitudes of earnings and magnitudes of abnormal returns at the earnings release and the SEC Form 20-F filing date in the ADR share market. Table 2 indicates that the null hypothesis of no difference is rejected at the $\alpha = 0.05$ confidence level. Consequently, we conclude that magnitudes of U.S. GAAP earnings are more highly associated with abnormal returns in the ADR share market at the SEC Form 20-F disclosure date than are similar magnitudes of reported earnings at the earnings release date. This result suggests that U.S. GAAP Earnings are perceived as being higher quality than home country earnings in the ADR share market.

Table 3. Results of single equation ADR share market joint earnings release and SEC form 20-F disclosure response

Mean Coefficient Values for ADR Return Equation No.2: The U.S. listed ADR return equations were estimated of 354 firms using a time series of daily home country equity returns over the 16-year period from 2000 to 2015. For each firm time series Ordinary Least Squares estimation techniques were employed to estimate the coefficients. Descriptive Statistics for the coefficient values and related hypotheses tests are shown below.

Variable Name	Descriptive	e Statistics			Results of Hypotheses Tests							
β_{0i}^{ADR} Intercept	Basic Statis	tical Measu	res		Tests for Locat	tion: $\beta_{0i}^{ADR} =$	0					
	Location		Variability		Test	Statistic		p Value				
	Mean	0.000334	Std Dev	0.000322	Student's t	t	27.5909	$Pr > \left t \right $	<.0001	‡	Reject	
	Median	0.000316	Variance	0.000000	Sign	М	282.0000	$\Pr >= M $	<.0001	‡	Reject	
	Mode	0.000450	Range	0.003760	Signed Rank	S	115440.5000	$\Pr >= S $	<.0001	‡	Reject	
β_{1i}^{ADR} Earnings	Basic Statis	tical Measu	res		Tests for Location: $\beta_{1i}^{ADR} = 0$							
Release Date	Location		Variability		Test	Statistic		p Value				
	Mean	0.002886	Std Dev	0.007730	Student's t	t	9.9391	$Pr > \left t \right $	<.0001	‡	Reject	
	Median	0.004487	Variance	0.000060	Sign	М	152.0000	Pr >= M	<.0001	‡	Reject	
	Mode	0.005452	Range	0.084400	Signed Rank	S	62521.0000	$\Pr >= S $	<.0001	‡	Reject	
β_{2i}^{ADR} Reported	Basic Statis	Basic Statistical Measures			Tests for Location: $\beta_{2i}^{ADR}=0$							
Earnings	Location		Variability		Test	Statistic		p Value				
	Mean	0.008122	Std Dev	0.151320	Student's t	t	1.4007	$Pr > \left t \right $	0.1618			
	Median	0.002171	Variance	0.022900	Sign	М	171.0000	Pr >= M	<.0001	‡	Reject	
	Mode	0.000000	Range	4.341080	Signed Rank	S	60151.0000	Pr >= S	<.0001	‡	Reject	
β_{3i}^{ADR} SEC Form 20-F	Basic Statis	tical Measu	res		Tests for Locat	tion: $\beta_{3i}^{ADR} =$	0					
Filing Date	Location		Variability		Test	Statistic		p Value				
	Mean	0.002861	Std Dev	0.006790	Student's t	t	10.9696	$Pr > \left t \right $	<.0001	‡	Reject	
	Median	0.003413	Variance	0.000046	Sign	М	167.0000	Pr >= M	<.0001	‡	Reject	
	Mode	0.000000	Range	0.126310	Signed Rank	S	66472.0000	Pr >= S	<.0001	‡	Reject	
β_{4i}^{ADR} U.S. GAAP	Basic Statis	tical Measu	ires		Tests for Locat	tion: $\beta_{4i}^{ADR} =$	0					
Earnings	Location		Variability		Test	Statistic		p Value				
	Mean	0.005039	Std Dev	0.015820	Student's t	t	7.9683	$Pr > \left t \right $	<.0001	‡	Reject	
	Median	0.001665	Variance	0.000250	Sign	М	143.0000	Pr >= M	<.0001	‡	Reject	
	Mode	0.000000	Range	0.232460	Signed Rank	S	45810.0000	Pr >= S	<.0001	‡	Reject	
β_{5i}^{ADR} Equity	Basic Statis	tical Measu	ires		Tests for Locat	tion: $\beta_{5i}^{ADR} =$	0					
Market Return	Location		Variability		Test	Statistic		p Value				
	Mean	0.115406	Std Dev	0.145330	Student's t	t	20.7527	$Pr > \left t \right $	<.0001	‡	Reject	
	Median	0.039670	Variance	0.021120	Sign	М	289.0000	Pr >= M	<.0001	‡	Reject	
	Mode	0.000000	Range	0.808250	Signed Rank	S	106516.0000	$\Pr >= S $	<.0001	‡	Reject	

β_{6i}^{ADR} ADR	Basic Statistical Measures				Tests for Location: $\beta_{6i}^{ADR} = 0$						
Market Return	Location		Variability		Test	Statistic		p Value			
	Mean	0.151604	Std Dev	0.201870	Student's t	t	19.9830	$Pr > \left t \right $	<.0001	\$	Reject
	Median	0.039000	Variance	0.040750	Sign	М	310.0000	Pr>= M	<.0001	‡	Reject
	Mode	0.037107	Range	1.179110	Signed Rank	S	115700.0000	Pr >= S	<.0001	\$	Reject
β_{7i}^{ADR} Daily	Basic Statistical Measures				Tests for Location: $\beta_{7i}^{ADR}=0$						
Exchange Rate	Location		Variability		Test	Statistic		p Value			
	Mean	0.083998	Std Dev	0.152950	Student's t	t	14.1091	$Pr > \left t \right $	<.0001	‡	Reject
	Median	0.059607	Variance	0.023390	Sign	М	217.0000	Pr >= M	<.0001	\$	Reject
	Mode	0.000000	Range	1.732340	Signed Rank	S	72073.0000	Pr >= S	<.0001	‡	Reject
Hypothesis Test: H ₀ : β_1^A	$_{i}^{DR}=\beta_{3i}^{ADR}$	$\Pr >= S $	0.0018 ‡	Reject	Hypothesis Tes	st: H ₀ : β_{2i}^{ADI}	$\beta = \beta_{4i}^{ADR}$ I	Pr >= S (0.3862	NOT	Reject

1: Tests the null hypothesis that the abnormal returns associated with the earnings release and the SEC Form 20-F filing date in the ADR market are equal to one another. Table No.3 indicates that the null hypothesis of no difference is rejected at the $\alpha = 0.05$ confidence level. Consequently, we conclude that the abnormal returns associated with the earnings release are larger than the abnormal returns associated with the SEC Form 20-F filing date in the ADR share market.

2: Tests the null hypothesis that there is no difference in the association between magnitudes of earnings and magnitudes of abnormal returns at the earnings release and the SEC Form 20-F filing date in the ADR share market. Table No.3 indicates that the null hypothesis of no difference is rejected at the $\alpha = 0.05$ confidence level. Consequently, we conclude that magnitudes of U.S. GAAP earnings are more highly associated with abnormal returns in the ADR share market at the SEC Form 20-F disclosure date than are similar magnitudes of reported earnings at the earnings release date. This result suggests that U.S. GAAP Earnings are perceived as being higher quality than home country earnings in the ADR share market.

Table 4. Results of single equation ADR share return joint earnings release and SEC form 20-F disclosure response

Mean Coefficient Values for Equity Return Equation No.3: The equity return equations were estimated of 354 firms using a time series of daily home country equity returns over the 16-year period from 2000 to 2015. For each firm time series Ordinary Least Squares estimation techniques were employed to estimate the coefficients. Descriptive Statistics for the coefficient values and related hypotheses tests are shown below.

Variable Name	Descriptiv	ve Statistics			Results of Hypotheses Tests						
β_{0i}^{Equity} Intercept	Basic Stat	istical Mea	sures		Tests for Location: $\beta_{0i}^{Equity}=0$						
	Location		Variability		Test	Statistic		p Value			
	Mean	0.000286	Std Deviation	0.0004175	Student's t ¹	t	18.22107	$\Pr > t $	<.0001 ‡	Reject	
	Median	0.00032	Variance	1.74E-07	Sign ²	М	218	Pr >= M	<.0001 ‡	Reject	
	Mode	0.000413	Range	0.006340	Signed Rank ³	S	91456.5	Pr >= S	<.0001 ‡	Reject	
β_{1i}^{Equity} Earnings Report	Basic Stat	istical Mea	sures		Tests for Locati	on: β_{1i}^{Equit}	·=0				
Date	Location		Variability		Test	Statistic		p Value			
	Mean	0.00358	Std Deviation	0.00772	Student's t	t	12.32637	$Pr > \left t \right $	<.0001 ‡	Reject	
	Median	0.00487	Variance	0.0000596	Sign	М	171	Pr >= M	<.0001 ‡	Reject	
	Mode	-0.01257	Range	0.07033	Signed Rank	S	72221	Pr >= S	<.0001 ‡	Reject	
β_{2i}^{Equity} Magnitude of	Basic Statistical Measures				Tests for Location: $\beta_{2i}^{Equity}=0$						
Reported Earnings	Location		Variability		Test	Statistic		p Value			
	Mean	0.009431	Std Deviation	0.14592	Student's t	t	1.677983	$Pr > \left t \right $	0.0938	Not Reject	
	Median	0.002165	Variance	0.02129	Sign	М	161	Pr >= M	<.0001 ‡	Reject	
	Mode	0	Range	4.38846	Signed Rank	S	57001	Pr >= S	<.0001 ‡	Reject	
β_{3i}^{Equity} SEC Form 20-F	Basic Stat	tistical Mea	sures		Tests for Location: $\beta_{3i}^{Equity}=0$						
Filing Date	Location		Variability		Test	Statistic		p Value			
	Mean	0.002395	Std Deviation	0.00486	Student's t	t	12.82999	$Pr > \left t \right $	<.0001 ‡	Reject	
	Median	0.00282	Variance	0.0000236	Sign	М	166	Pr >= M	<.0001 ‡	Reject	
	Mode	0	Range	0.05977	Signed Rank	S	68228.5	$\Pr >= S $	<.0001 ‡	Reject	
β_{4i}^{Equity} Reported	Basic Stat	tistical Mea	sures		Tests for Location: $\beta_{4i}^{Equity}=0$						
Earnings Difference 4	Location		Variability		Test	Statistic		p Value			
	Mean	0.256236	Std Deviation	4.04586	Student's t	t	1.655157	$Pr > \left t \right $	0.0984	Not Reject	
	Median	0.003117	Variance	16.36901	Sign	М	229	Pr >= M	<.0001 ‡	Reject	
	Mode	0	Range	86.67759	Signed Rank	S	78025	Pr >= S	<.0001 ‡	Reject	
β_{5i}^{Equity} Equity	Basic Stat	tistical Mea	sures		Tests for Location: $\beta_{5i}^{Equity}=0$						
Market Return	Location		Variability		Test	Statistic		p Value			
	Mean	0.069719	Std Deviation	0.08192	Student's t	Т	22.24183	$Pr > \left t \right $	<.0001 ‡	Reject	
	Median	0.037574	Variance	0.00671	Sign	М	282	Pr >= M	<.0001 ‡	Reject	
	Mode	0	Range	0.58948	Signed Rank	S	102956	$\Pr >= S $	<.0001 ‡	Reject	

β_{6i}^{Equity} ADR	Basic Stat	istical Mea	sures		Tests for Location: $\beta_{6i}^{Equity} = 0$					
Market Return	Location		Variability		Test	Statistic		p Value		
	Mean	0.360536	Std Deviation	0.39452	Student's t	Т	24.31634	$Pr > \left t \right $	<.0001 ‡	Reject
	Median	0.07533	Variance	0.15564	Sign	М	352	Pr >= M	<.0001 ‡	Reject
	Mode	0.028389	Range	1.84525	Signed Rank	S	125132	Pr >= S	<.0001 ‡	Reject
β_{7i}^{Equity} Daily Spot	Basic Statistical Measures				Tests for Location: $\beta_{7i}^{Equity} = 0$					
Exchange Rate Change	Location		Variability		Test	Statistic		p Value		
	Mean	0.085636	Std Deviation	0.2048	Student's t	Т	10.74238	$Pr > \left t \right $	<.0001 ‡	Reject
	Median	0.064255	Variance	0.04194	Sign	М	199	Pr >= M	<.0001 ‡	Reject
	Mode	0	Range	3.24523	Signed Rank	S	62505	Pr >= S	<.0001 ‡	Reject
Hypothesis Test: $H_{0:} \beta_{1i}^{Equ}$	$\mu^{iity} = \beta_{3i}^{Equi}$	ty 1 Pr >	= S 0.0001 ‡	Reject	Hypothesis Tes	st: H ₀ : $\beta_{2i}^{E_0}$	$\boldsymbol{\beta}^{uity} = \boldsymbol{\beta}_{4}^{E}$	^{quity 2} Pr >	>= S 0.00	01 ‡ Reject

1: Tests the null hypothesis that the abnormal returns associated with the earnings release and the SEC Form 20-F filing date in the home country equity market are equal to one another. Table No.4 indicates that the null hypothesis of no difference is rejected at the $\alpha = 0.05$ confidence level. Consequently, we conclude that the abnormal returns associated with the earnings release are larger than the abnormal returns associated with the SEC Form 20-F filing date in the home country equity market.

2: Tests the null hypothesis that there is no difference in the association between magnitudes of earnings and magnitudes of abnormal returns at the earnings release and the SEC Form 20-F filing date in the home country equity market. Table No.4 indicates that the null hypothesis of no difference is rejected at the $\alpha = 0.05$ confidence level. Consequently, we conclude that magnitudes of U.S. GAAP earnings are more highly associated with abnormal returns in the home country equity market at the SEC Form 20-F disclosure date than are similar magnitudes of reported earnings at the earnings release date. This result suggests that U.S. GAAP Earnings are perceived as being higher quality than home country equity market.

Table 5. Results of single equation ADR share market joint earnings release and SEC form 20-F disclosure response

Mean Coefficient Values for ADR Return Equation No.4: The ADR return equations were estimated of 354 firms using a time series of daily home country equity returns over the 16-year period from 2000 to 2015. For each firm time series Ordinary Least Squares estimation techniques were employed to estimate the coefficients. Descriptive Statistics for the coefficient values and related hypotheses tests are shown below.

Variable Name	Descriptive Statistics				Results of Hypotheses Tests						
β_{0i}^{ADR} Intercept	Basic Statistical Measures				Tests for Location: $\beta_{0i}^{ADR}=0$						
	Location		Variability		Test	Statistic		p Value			
	Mean	0.000310	StdDev	0.000385	Student's t	t	21.3930	$Pr > \left t \right $	<.0001 ‡	Reject	
	Median	0.000341	Variance	0.000000	Sign	Μ	239.0000	Pr >= M	<.0001 ‡	Reject	
	Mode	0.000306	Range	0.003840	Signed Rank	S	96505.0000	Pr >= S	<.0001 ‡	Reject	
β_{1i}^{ADR} Earnings Report	Basic Statis	stical Measu	ires		Tests for Locati	ion: β_{1i}^{AD}	R = 0				
Date	Location		Variability		Test	Statisti	c	p Value			
	Mean	0.003440	StdDev	0.007900	Student's t	t	11.5746	$Pr > \left t \right $	<.0001 ‡	Reject	
	Median	0.004680	Variance	0.000062	Sign	Μ	166.0000	Pr >= M	<.0001 ‡	Reject	
	Mode	-0.012570	Range	0.085530	Signed Rank	S	67647.5000	Pr >= S	<.0001 ‡	Reject	
β_{2i}^{ADR} Reported Earnings	Basic Statis	stical Measu	ires		Tests for Locat	ion: β_{2i}^{AD}	R = 0				
	Location		Variability		Test	Statisti	c	p Value			
	Mean	0.008437	StdDev	0.150900	Student's t	t	1.4516	$Pr > \left t \right $	0.1471	NOT Reject	
	Median	0.002036	Variance	0.022770	Sign	М	164.0000	Pr >= M	<.0001 ‡	Reject	
	Mode	0.000000	Range	4.558050	Signed Rank	S	56273.0000	$\Pr >= S $	<.0001 ‡	Reject	
β_{3i}^{ADR} SEC Filing Date	Basic Statis	tical Measu	ires		Tests for Locat	ion: β_{3i}^{AD}	R=0				
	Location		Variability		Test	Statisti	e	p Value			
	Mean	0.002416	StdDev	0.004980	Student's t	t	12.6289	$\Pr > t $	<.0001 ‡	Reject	
	Median	0.002845	Variance	0.000025	Sign	Μ	173.0000	Pr >= M	<.0001 ‡	Reject	
	Mode	0.000000	Range	0.059770	Signed Rank	S	68200.0000	Pr >= S	<.0001 ‡	Reject	
β_{4i}^{ADR} Earnings	Basic Statis	stical Measu	ires	s Tests for			R = 0				
Difference	Location		Variability		Test	Statisti	c	p Value			
	Mean	0.255409	StdDev	4.045150	Student's t	t	1.6501	$Pr > \left t \right $	0.0994	NOT Reject	
	Median	0.002987	Variance	16.363250	Sign	Μ	227.0000	Pr >= M	<.0001 ‡	Reject	
	Mode	0.000000	Range	86.433440	Signed Rank	S	77002.0000	Pr >= S	<.0001 ‡	Reject	
β_{5i}^{ADR} Equity Market	Basic Statis	tical Measu	ires		Tests for Location: $\beta_{5i}^{ADR}=0$						
Return	Location		Variability		Test	Statisti	e	p Value			
	Mean	0.122920	StdDev	0.148420	Student's t	t	21.6447	$Pr > \left t \right $	<.0001 ‡	Reject	
	Median	0.050032	Variance	0.022030	Sign	М	288.0000	Pr >= M	<.0001 ‡	Reject	
	Mode	0.000000	Range	0.757600	Signed Rank	S	106453.5000	Pr >= S	<.0001 ‡	Reject	

β_{6i}^{ADR} ADR Market	Basic Statistical Measures				Tests for Location: $\beta_{6i}^{ADR} = 0$					
Return	Location		Variability		Test	Statistic	Statistic		p Value	
	Mean	0.176220	StdDev	0.244260	Student's t	t	19.1967	$Pr > \left t \right $	<.0001 ‡	Reject
	Median	0.049024	Variance	0.059660	Sign	М	309.0000	Pr >= M	<.0001 ‡	Reject
	Mode	0.022251	Range	1.478300	Signed Rank	S	115295.0000	Pr >= S	<.0001 ‡	Reject
β_{7i}^{ADR} Daily Spot	Basic Statistical Measures				Tests for Location: $\beta_{7i}^{ADR} = 0$					
Exchange Rate	Location		Variability		Test	Statistic	2	p Value		
	Mean	0.094277	StdDev	0.182790	Student's t	t	13.2501	$Pr > \left t \right $	<.0001 ‡	Reject
	Median	0.068137	Variance	0.033410	Sign	М	212.0000	Pr >= M	<.0001 ‡	Reject
	Mode	0.000000	Range	1.903640	Signed Rank	S	66882.0000	$\Pr >= S $	<.0001 ‡	Reject
Hypothesis Test: $H_0: \beta$	Pr >= S	0.0001	‡ Rejec	t Hypothes	sis Test: H	$\mathbf{H}_0: \boldsymbol{\beta}_{2i}^{ADR} = \boldsymbol{\beta}$	ADR = Pr >=	S 0.000	1 ‡ Reject	

1: Tests the null hypothesis that the abnormal returns associated with the earnings release and the SEC Form 20-F filing date in ADR share market are equal to one another. Table No.5 indicates that the null hypothesis of no difference is rejected at the $\alpha = 0.05$ confidence level. Consequently, we conclude that the abnormal returns associated with the earnings release are larger than the abnormal returns associated with the SEC Form 20-F filing date in the ADR share market.

2: Tests the null hypothesis that there is no difference in the association between magnitudes of earnings and magnitudes of abnormal returns at the earnings release and the SEC Form 20-F filing date in the ADR share market. Table No.5 indicates that the null hypothesis of no difference is rejected at the $\alpha = 0.05$ confidence level. Consequently, we conclude that magnitudes of U.S. GAAP earnings are more highly associated with abnormal returns in the ADR share market at the SEC Form 20-F disclosure date than are similar magnitudes of reported earnings at the earnings release date. This result suggests that U.S. GAAP Earnings are perceived as being higher quality than home country earnings in the ADR share market.

The second set of hypotheses which we test investigate the presence of abnormal ADR and equity share returns associated with the SEC Form 20-F filing date (i.e. H_{02}^{jk} : $\beta_{3i}^k = 0$; H_{A2}^{jk} : $\beta_{3i}^k \neq 0$, $\forall k:k=1,...,4$). This set of null hypotheses is rejected are rejected at the $\alpha = 0.05$ confidence level. Consequently, we conclude that statistically significant abnormal ADR and equity share returns are observed coinciding with the SEC Form 20-F filing date providing an indication that the SEC disclosures communicate information to investors which they find useful in setting ADR and equity share prices. Furthermore, we interpret results as providing convincing evidence regarding the usefulness of SEC Form 20-F disclosures.

The third set of hypotheses regard the significance of the association between the magnitudes of reported earnings and the magnitudes of the abnormal ADR and equity share returns around the earnings release date (i.e., H_{03}^{jk} : $\beta_{2i}^k = 0$; H_{A3}^{jk} : $\beta_{2i}^k \neq 0$, $\forall k:k=1,...,4$). The hypothesis that the coefficient is equal to zero in cross-section is rejected at the $\alpha = 0.05$ confidence level. We interpret the presence of a statistically significant at the $\alpha = 0.05$ confidence level association between magnitudes of reported earnings and magnitudes of ADR and equity share abnormal returns coinciding with the earnings release date as providing reliable evidence regarding the quality of reported earnings.

The fourth set of hypotheses concerns the significance of the association between the magnitudes of U.S. GAAP earnings and the magnitudes of the abnormal ADR and equity share returns coinciding with the SEC Form 20-F filing date (i.e., H_{04}^{jk} : $\beta_{4i}^k = 0$; H_{A4}^{jk} : $\beta_{4i}^k \neq 0$, $\forall k:k=1,...,4$). Once again, the hypothesis that the coefficient is equal to zero in cross-section is rejected at the $\alpha = 0.05$ confidence level. The statistical significance of the empirical association between magnitudes of U.S. GAAP earnings and the magnitudes of the abnormal ADR and equity share returns coinciding with the SEC Form 20-F filing date is interpreted as evidence regarding the quality of U.S. GAAP earnings.

Next, we perform the statistical comparison of the magnitudes of the ADR and equity share abnormal returns associated with the (earlier) earnings release date and the (later) SEC Form 20-F filing date (i.e., H_{05}^{jk} : $\beta_{1i}^k = \beta_{3i}^k$; H_{A5}^{jk} : $\beta_{1i}^k \neq \beta_{3i}^k$, $\forall k:k=1,...,4$). The null hypothesis concerning the equality of abnormal returns at the two dates in cross-section is rejected at the $\alpha = 0.05$ confidence level. We observe marginally larger abnormal returns at the earnings release date than that the SEC form 20 as the date and the statistically significant difference between the magnitudes of the two-disclosure date abnormal returns provides an indication regarding investors' perceived comparative usefulness of the two disclosures in evaluating ADR and equity share values.

Finally, we undertake a statistical comparison of the relative strength of the association between magnitudes of reported earnings and ADR and equity share abnormal returns associated with the earnings report date, and magnitudes of U.S. GAAP earnings and magnitudes of ADR and equity share abnormal returns associated with the SEC Form 20-F filing date (i.e., H_{06}^{jk} : $\beta_{2i}^k = \beta_{4i}^k$; H_{A6}^{jk} : $\beta_{2i}^k \neq \beta_{4i}^k$, $\forall k:k=1,...,4$). The hypothesis concerning the equality of the earnings coefficients in cross-section at the two dates is rejected at the $\alpha = 0.05$ confidence

level. Consequently, we conclude that there is a statistically significant (at the $\alpha = 0.05$ confidence level) difference between the magnitudes of the two earnings-abnormal returns correlation measures and that U.S. GAAP earnings exhibit a higher degree of association with ADR and equity share returns than reported earnings. These results provide compelling evidence regarding investors' evaluation of comparative earnings quality for purposes of establishing ADR and equity share prices.

5. Conclusions and Suggestions for Future Research

We investigate the information content of non-U.S. firms' earnings releases vis-à-vis the SEC Form 20-F filings in both ADR and home country equity share markets. We employ models of the ADR and equity security share earnings release date abnormal returns controlling for the incremental firm-specific SEC Form 20-F disclosures required of exchange-listed ADR's. Our results suggest that both ADR and home country equity share markets exhibit abnormal returns associated with the earnings release date and the SEC Form 20-F filing date with the earnings report date abnormal returns marginally larger. Particularly noteworthy, however, is the association between magnitudes of U.S. GAAP earnings and magnitudes of SEC Form 20-F filing date abnormal returns is significantly larger than the association between magnitudes of reported earnings and earnings report date abnormal returns in both the ADR and home country equity share markets. Our results seem to suggest a perception that the U.S. GAAP rules are of higher quality and may provide an indication that the U.S. ADR share market response dominates the cross-market information flow, driving the home country equity share market response in a manner consistent with the notion that U.S. GAAP conveys price relevant information beyond reported earnings for non-U.S. firms. We conjecture that non-U.S. firms choosing to be listed on the major U.S. exchanges will comply with the supplemental disclosure requirements in order to have the supplemental disclosures impounded in the home country equity share price via the ADR share price in the manner described by Fishman and Hagerty (1989).

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Notes

Note 1. Extant research has examined cross-market information linkages focusing upon the relation among ADR and security returns and trading volume. Eun and Shim (1989), Karolyi (1995), and Chen, Chiang, and So (2003) investigate the relation among larger market returns and King and Wadhwani (1990), Bae and Karolyi (1994), Kanas (1998), and Ng (2000) examine the relation among larger and emerging markets returns, concluding that the U.S. markets are dominant for returns in the sense that information flows from the U.S. market to other global markets. Furthermore, Lee and Rui (2002), Gagnon and Karolyi (2003), and Kim (2005) report research results indicating that U.S. markets are dominant for trading volume in the sense that information flows from the U.S. market to other global markets.

Note 2. Foreign private issuers submitting the periodic update Form 20-F accompanied by financial statements prepared in accordance with IFRS need not include the reconciliation and components to U.S. GAAP Net Income and Shareholders Equity amounts (i.e., Item 17 or Item 18 of Form 20-F) provided that (1) the foreign private issuer unequivocally and explicitly indicates that its financial statements are in compliance with English language IFRS in an appropriate footnote accompanying the financial statements, and (2) the independent auditor's report accompanying the foreign private issuer's financial statements affirms that those financial statements are presented in accordance with English language version IFRS. Foreign private issuers continue to include a U.S. GAAP reconciliation with the Form 20-F in any one of the following circumstances: (1) the foreign private issuer's financial statements are presented in accordance with English language to the following circumstances: (1) the foreign private issuer's financial statements are presented in accordance with English language to the following circumstances: (1) the foreign private issuer's financial statements are presented in accordance with IASB IFRS; (3) the foreign private issuer's independent auditor does not opine on compliance with IASB IFRS; and(4) the auditor's report contains any qualification relating to compliance with IASB IFRS.

Note 3. The extant research literature, to date, however, conveys sparse direct evidence indicating that non U.S. firms share cross-listing contributes to the price formation processes in the home country equity shares. Employing variation of firm-specific returns as a proxy for the stock price informativeness construct, Fernando and Ferreira (2008) investigate the impact of the cross-listing decision upon home country equity share price informativeness and report a statistically significant positive relation between U.S cross-listing and home country equity share price informativeness. Bailey et al. (2006) examine the impact of U.S cross-listing upon the magnitude of price and volume reactions to (earnings announcements) contending that more private information equates with higher return volatility reasoning that diminishing return volatility following upon U.S cross-listing

may indicate less disagreement among investors regarding interpretation of the earnings announcement. Their results indicate that both absolute return and absolute volume reactions to earnings announcements increase significantly following upon firms' cross-listing of shares on U.S. equity exchanges. Other studies in the extant research literature investigate the impact of non-U.S. firms share cross-listing upon analysts' forecasts and media coverage as surrogates for the firm's information environment. Specifically, Lang et al. (2003) and Baker et al. (2002) report that cross-listed firms derive greater analyst following as well as more accurate earnings forecasts.

Note 4. Naturally, the costs of firm disclosures may be incurred by both foreign private issuers as well as investors. Of course, the costs associated with firms producing and communicating disclosures, including auditing and legal costs, are nontrivial. However, there is also a nontrivial cost to investors of acquiring and assimilating the information. While firm costs associated with producing and disseminating information have been examined in the extant research literature, the costs associated with investors acquiring and assimilating information remains relatively unexamined. We conjecture that the different accounting principles employed by foreign private issuers in the preparation of their financial statements, in numerous instances, represents a nontrivial cost to U.S. investors which is mitigated to a large extent by the SEC Form 20-F reconciliation to U.S. GAAP.

Note 5. One stream of extant research literature suggests that more analyst coverage and more accurate earnings forecasts lead to an improved information environment (Lang & Lundholm, 1996; Healy et al., 1999). Baker et al. (2002) report finding increased visibility, as measured by analyst and media coverage, around the time of cross-listing. Results reported by Lang et al. (2003a) suggest that non-U.S. firms listed on U.S. exchanges benefit from increased analyst coverage and more accurate forecasts. Bailey et al. (2006) report research results indicating greater volatility and trading activity around earnings announcements following upon cross-listing of developed market firms. Although a preponderance of the evidence indicates a positive association between the information environment and cross-listing, the relation remains ambiguous for the following reasons:

- 1) The increased disclosure requirement following upon U.S. exchange cross-listing may substitute for the collection of private information to the extent that a smaller amount of firm-specific information would be impounded into stock prices (Kim & Verrecchia, 2001).
- 2) Easley et al. (1998) and Roulstone (2003) suggest that analyst activity is not necessarily a reliable indicator of private information trading since analysts themselves are more of a conduit and do not have significant firm-specific information. Moreover, Piotroski and Roulstone (2004) research results indicating that increased analyst coverage stimulates the production of industry and market-wide information and undermines firm-specific stock return variation. Chan and Hameed (2006) report research results indicating that greater analyst coverage results in decreased firm-specific return variation in emerging markets.
- 3) The cross-listing information environment effect may vary across countries. The improved disclosure following upon U.S. ADR cross listing cross-listing may have a differential impact on the home country environment. Ball (2001) suggests that improving accounting disclosures by itself is insufficient to substantially improve information environment. A diverse range of other country specific economic, legal, and political infrastructure modifications are needed in order to improve the actual quality of financial reporting. Licht (2003) and Siegel (2005) assert that the voluntary disclosure following upon U.S. cross-listing permits firms to bond their reputations to U.S. disclosure requirements. Lang et al. (2006) report that the added regulation by the SEC remains ineffective, but rather that U.S. listed ADRs home environment remains important in explaining the quality of its U.S. GAAP-reported earnings.

Note 6. Financial reporting environment quality is determined, in part, by firms' selection of accounting standards but also by socio-economic institutional degree of implementation of auditing and enforcement incentives (e.g., Ball, 2001; Ball et al., 2003). Consequently, although IFRS are considered sufficiently high quality standards, firms' financial statements may be unreliable due to poorly implemented auditing and enforcement incentives among foreign private issuers' home countries.

Note 7. Since U.S. GAAP is generally perceived by investors as constituting the standard for "high-quality" accounting standards, the SEC Form 20-F reconciling differences with U.S. GAAP earnings and equity impose important constraints on management accounting policy choices. The effective SEC Form 20-F management accounting policy choice constraint arises as a result of the need to minimize the reconciling differences with U.S. GAAP in communicating to investors the relative success of their prospective investment projects in order for investors to perceive the ADR as maintaining similarly "high-quality" reporting practices as other firms at their comparative market stature. Quite naturally, the more pronounced the differences with U.S. GAAP earnings and equity raise important question regarding earnings management practices. Furthermore, Luez (2006)

conjectures that more pronounced the differences with U.S. GAAP may also have the effect of motivating local authorities to convey additional scrutiny. In any event, the more pronounced differences with U.S. GAAP may garner increased investor uncertainty in relation to the parameters of the underlying earnings process (Chen & Sami, 2008; Leuz, 2006). Results reported by Bradshaw (2004) suggest that levels of U.S. ownership of non-U.S. firms is greater for ADRs reporting smaller SEC Form 20-F reconciling U.S. GAAP differences. Likewise, Plumlee and Plumlee (2007) report that ADRs reporting smaller SEC Form 20-F reconciling U.S. GAAP differences used in the total differences experienced comparatively higher levels of trading.

Note 8. Early research such as Harris and Mueller (1999) provides statistically significant research results indicating that U.S. GAAP earnings convey security price relevant information beyond that communicated with IFRS. Employing a sample of 31 firms over the years 1992-1996 (i.e., a total of 89 firm year observations), they regress U.S. GAAP earnings and earnings changes expressed in terms of the decomposed IFRS and home country earnings and earnings changes and their respective Form 20-F reconciliation amounts and changes in the respective Form 20-F reconciliation amounts onto annual equity securities returns. More specifically, they find that the IFRS to U.S. GAAP reconciliation amount is statistically significant in its association with annual equity securities returns at conventional confidence levels (i.e., p. 302 Table 4 Panel B). Harris and Mueller employ a security returns v. earnings levels model identical to the one used by Amir et al. (1993) and Barth and Clinch (1996) to investigate the security price relevance of Home Country GAAP vs. U.S. GAAP differences and corroborate their findings that the SEC Form 20-F reconciliation amounts are significantly associated with equity security returns. The Amir et al. (1993) research examines Form 20-F reconciliations over the years 1981-1991 and utilizes a sample of 101 firms.

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