

Equity Closing Prices Used for Index Calculation

Morningstar Indexes

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All close times are in local time, unless otherwise noted. Morningstar reserves the right to use an alternative pricing source, if necessary. For indexes calculated in real-time, the last trade price intraday is used. For exchange closures and holidays, the prior day's closing value will be used.

In the event of a U.S. exchange interruption where an opening price is unavailable, the "Consolidated Tape" will be used. If this is not available, the previous closing price will be used. In addition, real time calculations will switch to a "Composition Tape" for all impacted securities. If the interruption is not resolved by market close, the closing prices list provided by the exchange will be used. If a closing prices list is not provided, the last trade on the "Composition Tape" for the respective security will be used.

In the event a non-U.S. exchange faces an interruption, real-time calculations will cease until a confirmation is received from the exchange that activities have resumed. If the interruption is not resolved by market close, the closing prices list provided by the exchange will be used. If a closing prices list is not provided, the last trade price for the respective security will be used.

| Country | Exchange | Close Price | Close Time |
|----------------|--|-------------------|-----------------------------|
| Argentina | Buenos Aires Stock Exchange | Last traded price | 5:00 PM |
| Australia | Australian Stock Exchange | Auction close | 4:00 PM |
| Austria | Wiener Boerse AG | Auction close | 5:35 PM |
| Bahrain | Bahrain Stock Exchange | Official close | 12:30 PM |
| Bangladesh | Dhaka Stock Exchange | Official close | 3:00 PM |
| Belgium | Brussels Stock Exchange (part of EuroNext) | Auction close | 5:35 PM |
| Botswana | Botswana Stock Exchange | Last traded price | 2:00 PM |
| Brazil | Sao Paulo Stock Exchange | Last traded price | 5:00 PM |
| Bulgaria | Bulgaria Stock Exchange | Auction close | 1:45 PM |
| Canada | Toronto Stock Exchange | Market on close | 4:00 PM |
| Canada | Venture Stock Exchange | Last traded price | 4:00 PM |
| Chile | Santiago Stock Exchange | Official close | 5:00 PM (Nov - Mar) 4:00 PM |
| China | Shanghai Stock Exchange | VWAP | 3:00 PM |
| China | Shenzhen Stock Exchange | VWAP | 3:00 PM |
| Colombia | Colombia Stock Exchange | Last traded price | 4:00 PM (Nov - Mar) 3:00 PM |
| Croatia | Croatia Stock Exchange | Last traded price | 4:30 PM |
| Cyprus | Cyprus Stock Exchange | VWAP | 5:20 PM |
| Czech Republic | Prague Stock Exchange | Official close | 4:30 PM |
| Denmark | Copenhagen Stock Exchange | Auction close | 5:00 PM |
| Ecuador | Guayaquil Stock Exchange | Official close | 3:45 PM |
| Egypt | Egypt Stock Exchange (Cairo) | VWAP | 2:30 PM |
| Estonia | Tallinn Stock Exchange | Auction close | 4:00 PM |
| Finland | Helsinki Stock Exchange | Auction close | 6:30 PM |
| France | Paris Stock Exchange (Part of EuroNext) | Auction close | 5:35 PM |
| Germany | Xetra Stock Exchange | Auction close | 5:35 PM |
| Ghana | Ghana Stock Exchange | VWAP | 3:00 PM |

| Country | Exchange | Close Price | Close Time |
|--------------|---|-------------------|-----------------------------|
| Greece | Athens Stock Exchange | Auction close | 5:20 PM |
| Hong Kong | Hong Kong Stock Exchange | Official close | 4:00 PM |
| Hungary | Budapest Stock Exchange | Auction close | 5:10 PM |
| Iceland | OMX Reykjavik Stock Exchange | Last traded price | 3:30 PM |
| India | Bombay Stock Exchange | VWAP | 3:30 PM |
| Indonesia | Indonesia Stock Exchange | Last traded price | 3:50 PM |
| Ireland | Ireland Stock Exchange | Auction close | 4:30 PM |
| Israel | Tel Aviv Stock Exchange | Auction close | 5:15 PM |
| Italy | Milan Stock Exchange | Auction close | 5:30 PM |
| Jamaica | Jamaica Stock Exchange | Last traded price | 1:00 PM |
| Japan | Nagoya Stock Exchange | Auction close | 3:30 PM |
| Japan | Tokyo Stock Exchange | Auction close | 3:00 PM |
| Japan | Sapporo Stock Exchange | Auction close | 3:30 PM |
| Jordan | Amman Stock Exchange | Official close | 12:40 PM |
| Kazakhstan | Kazakhstan Stock Exchange | Last traded price | 5:00 PM |
| Kenya | Nairobi Stock Exchange | Official close | 3:00 PM |
| Kuwait | Kuwait Stock Exchange | Auction close | 12:30 PM |
| Latvia | Riga Stock Exchange | Auction close | 4:00 PM |
| Lebanon | Beirut Stock Exchange | Official close | 12:30 PM |
| Lithuania | Vilnius Stock Exchange | Auction close | 4:00 PM |
| Luxembourg | Luxembourg Stock Exchange | Auction close | 5:30 PM |
| Macedonia | Macedonia Stock Exchange | Official close | 1:00 PM |
| Malaysia | Kuala Lumpur Stock Exchange | Last traded price | 5:00 PM |
| Malta | Malta Stock Exchange | Last traded price | 12:30 PM |
| Mauritius | Stock Exchange of Mauritius | Last traded price | 1:30 PM |
| Mexico | Mexican Stock Exchange | VWAP | 3:00 PM |
| Morocco | Casablanca Stock Exchange | Auction close | 3:30 PM |
| Namibia | Namibian Stock Exchange | Last traded price | 5:00 PM (Sep - Apr) 4:00 PM |
| Netherlands | Amsterdam Stock Exchange (part of EuroNext) | Auction close | 5:35 PM |
| New Zealand | New Zealand Stock Exchange | Last traded price | 5:00 PM |
| Nigeria | Nigeria Stock Exchange | Last traded price | 2:30 PM |
| Norway | Oslo Stock Exchange | Auction close | 4:25 PM |
| Oman | Muscat Securities Market | VWAP | 1:00 PM |
| Pakistan | Karachi Stock Exchange | Official close | 3:30 PM (Mon - Thu) 4:30 PM |
| Palestine | Palestine Securities Exchange | Last traded price | 1:30 PM |
| Panama | Panama Stock Exchange | Official close | 3:00 PM |
| Peru | Lima Stock Exchange | Last traded price | 4:10 PM (Nov - Mar) 3:10 PM |
| Philippines | Philippines Stock Exchange | Last traded price | 3:30 PM |
| Poland | Warsaw Stock Exchange | Auction close | 5:00 PM |
| Portugal | Lisbon Stock Exchange (part of EuroNext) | Auction close | 4:35 PM |
| Qatar | Doha Securities Market | Last traded price | 1:15 PM |
| Romania | Bucharest Stock Exchange | Last traded price | 4:45 PM |
| Russia | Moscow Exchange | Official close | 6:50 PM |
| Saudi Arabia | Saudi Stock Exchange (Tadawul) | Official close | 3:30 PM |
| Serbia | Belgrade Stock Exchange | VWAP | 1:00 PM |
| Singapore | Singapore Stock Exchange | Auction close | 5:06 PM |
| Slovakia | Bratislava Stock Exchange | Last traded price | 3:30 PM |
| Slovenia | Ljubljana Stock Exchange | Auction close | 1:00 PM |
| South Africa | Johannesburg Stock Exchange | Auction close | 5:00 PM |
| South Korea | KOSDAQ Stock Exchange | Auction close | 3:00 PM |
| South Korea | Korean Stock Exchange | Auction close | 3:00 PM |
| Spain | Mercado Continuo | Auction close | 5:35 PM |
| Sri Lanka | Colombo Stock Exchange | VWAP | 2:30 PM |
| Sweden | Stockholm Stock Exchange | Auction close | 5:30 PM |
| Switzerland | SWX Europe | Auction close | 5:30 PM |
| Switzerland | Swiss Stock Exchange (SWX) | Auction close | 5:30 PM |
| Taiwan | Gretai Securities Market | Auction close | 1:30 PM |
| Taiwan | Taiwan Stock Exchange | Auction close | 1:25 PM |
| Thailand | Thailand Stock Exchange (Bangkok) | Last traded price | 4:40 PM |

| Country | Exchange | Close Price | Close Time |
|----------------------|--|-------------------|------------|
| Trinidad & Tobago | Trinidad And Tobago Stock Exchange | Official close | 2:00 PM |
| Tunisia | Tunis Stock Exchange | Last traded price | 2:10 PM |
| Turkey | Istanbul Stock Exchange | Auction close | 5:40 PM |
| Ukraine | Ukrainian Exchange | Official close | 5:15 PM |
| United Arab Emirates | Abu Dhabi Securities Market | Auction close | 2:00 PM |
| United Arab Emirates | Dubai Financial Market | Last traded price | 2:00 PM |
| United Arab Emirates | Dubai International Financial Exchange | Last traded price | 2:00 PM |
| United Kingdom | London Stock Exchange | Auction close | 4:35 PM |
| United Kingdom | London Stock Exchange (IOB) | Auction close | 3:40 PM |
| United States | NASDAQ Stock Exchange | Closing cross | 4:00 PM |
| United States | NYSE Amex | Closing auction | 4:00 PM |
| United States | NYSE Arca Exchange | Closing auction | 4:00 PM |
| United States | New York Stock Exchange | Closing auction | 4:00 PM |
| Venezuela | Caracas Stock Exchange | Last traded price | 1:00 PM |
| Vietnam | Hanoi Securities Trading Center | Last traded price | 2:30 PM |
| Vietnam | Vietnam Stock Exchange | Last traded price | 2:30 PM |
| Zambia | Lusaka Stock Exchange | Official close | 2:00 PM |
| Venezuela | Caracas Stock Exchange | Last traded price | 1:00 PM |

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