JPX Data Cloud

Data Specifications

2018/07

Tokyo Stock Exchange, Inc.

Open/High/Low/Close Price（Stock・CB）

1. Available data period

Stock (Domestic) : 1974/10/1
Stock (Foreign): 1976/10/1
Convertible Bonds : 1974/10/1
※Formet OSE Stock : 1998/1/4～2013/7/12
※JASDAQ : 2010/10/12～2013/7/12（Recorded in Former OSE File), 2013/7/16～（Recorded in TSE Fie), JASDAQ Data is not recorded before 2010/10/12.

2. Data Specifications
※Prices are not adjusted by stock split etc.
※Transactions during trading sessions are covered.

No.	Item	Header Name	Sample	Description（After 2011/1/4）	Description（Before 2010/12/30）
1	Date	Date	20140908	YYYYMMDD: blank digit is filled with 0.	YYYYMMDD: blank digit is filled with 0.
2	Local Code	Issue code	72030	This is the code prescribed by the Security Code Council. CB is recorded the 9 digits code as below. 1st digit ・・・ 9 2～3rd digit ・・・ 00 4～5th digit ・・・ Series No. Code 6～9 digit ・・・ 4-digit stock issue code	This is the code prescribed by the Security Code Council. CB is recorded the 9 digits code as below. 1st digit ・・・ 9 2～3rd digit ・・・ 00 4～5th digit ・・・ Series No. Code
3	ISIN Code	ISIN code	JP3633400001	This is the code prescribed by the Security Code Council.	Space
4	Exchange Code	Exchange code	1	1：TSE 2：Former OSE	1：TSE 2：Former OSE
5	Issue Calssification	Issue classification	0111	0111：First section (Domestic stock) 0112：Second section (Domestic stock) 0113：First section (Foreign stock) 0114：Mothers（Domestic stock） 0115：Domestic beneficiary certificate of investment trust 0116：Foreign beneficiary certificate of investment trust 0117：Preferred stock 0118：Mothers（Foreign stock） 0119：Real estate investment trusts certificate 0121：Second section (Foreign stock) 0122：TOKYO PRO Market (Domestic stock)※2 0123：TOKYO PRO Market (Foreign stock)※2 0124：JASDAQ Standard (Domestic stock)※3 0125：JASDAQ Standard (Foreign stock)※3	1st Section/Domestic Equity ： 001 2nd Section/Domestic Equity ： 002 Mothers/Domestic Equity ： 004 Domestic Investment trust etc（CB included） ： 005 Foreign Equity ： 003 1st Section/Foreign Equity ： 101 2nd Section/Foreign Equity ： 102 Mothers/Foreign Equity ： 104 Foreign Investment trust etc ： 105 Space： Other than the above ※1
6	Industry Code	Industry code	3700	Indicates the industry code. ※1	Space
7	Securities Under Supervision and To Be Delisted Flag	Securities under supervision and to be delisted flag	1	1： Securities to be delisted 2： Securities under supervision Space： Other than the above ※1	Space
8	Ex-right Flag	Ex-rights flag	2	1： Ex new 2： Ex dividend 3： Other ex right 4： New stock, ex dividend 5： New stock, other ex right 6： Dividend, other ex right 7： New stock, dividend, other ex right 8： Ex right deposit certificate Space： Other than the above ※1	Space
9	Open Price	Open	6121	Open Price （Unit ： Yen）	Open Price （Unit ： Yen）
10	High Price	High	6123	High Price （Unit ： Yen）	High Price （Unit ： Yen）
11	Low Price	Low	6084	Low Price （Unit ： Yen）	Low Price （Unit ： Yen）
12	Close Price	Close	6107	Close Price （Unit ： Yen）	Close Price （Unit ： Yen）
13	Special Quotes Identifier	Final quote identifier	1	1：asked quote 2：bid quote Space：no special quote ※1	2：bid quote 0：Other than that above（Before 2004/12/30） Space：Other than that above（After 2005/1/4） ※1
14	Final Qote Flag	Final quote flag	3	3:Special quote 4:Continuous execution quote Space：Other than that above ※1	3:Special quote Space：Other than that above ※1
15	Final Quote	Final quote	6107	（Unit ： Yen） ※1	Final quote : Final quote flag is 3 or 4. Space : Final quote flag is space. （Unit ： Yen） ※1
16	Trading Volume	Trading volume	4931300	Not reflected the transaction for error correction, etc. （Unit ： Share）	Reflected the transaction for error correction, etc. （Unit ： Share） Not available before 2014/11/1
17	Turnover	Turnover value	30101302700	Not reflected the transaction for error correction, etc. （Unit ： Yen） ※1	Reflected the transaction for error correction, etc. （Unit ： Yen） Not available before 2014/11/1 ※1
18	VWAP	All-day VWAP	6104.1313	Not reflected the transaction for error correction, etc. （Unit ： Yen） ※1	Reflected the transaction for error correction, etc. （Unit ： Yen） This available from 2004/11/1 ※1

※1 Former OSE data are reccorded "Space" in these items.
※2 Before 2013/7/12, the issue of TOKYO PRO Market is recorded 0114:Mothers（Domestic stock）
※3 Form 2013/7/16

Tick Data（Stock・CB）

1. Available data period

Stock (Domestic)：1982/2/1
Stock (Foreign)：2011/1/4
Convertible Bonds：1981/1/5
※Formet OSE Stock　:1998/1/4～2013/7/12　(ETF data is not recorded.)
※JASDAQ　:　2010/10/12～2013/7/12（Recorded in Former OSE File. ETF data is not recorded.)
2013/7/16～（Recorded in TSE Fie), JASDAQ Data is not recorded before 2010/10/12.
Following domestic stock's data is not recorded on each date.

Date	Issue Code
1982/11/11	40050
1983/7/18	64710
1983/7/18	64720
1987/5/28、29	67030

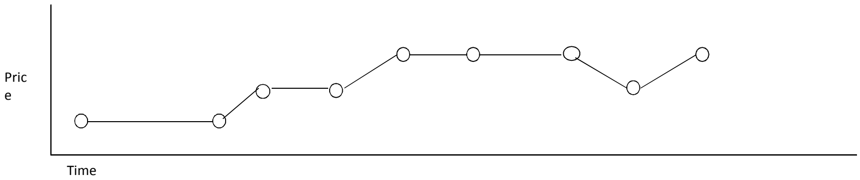
2. Data Specifications
※Prices are not adjusted by stock split etc.
※Transactions during trading sessions are covered.
In the case that the data volume exceeds fixed size (3.8GB), the file will be compressed by zip64 format.
[_64] will be added to the end of the name of the file compressed by zip64 format.
Please use a software for zip64 format.

No.	Item	Header Name	Sample	Description（After 2011/1/4）	Description（Before 2010/12/30）
1	Date	Date	20140908	YYYYMMDD: blank digit is filled with 0.	YYYYMMDD: blank digit is filled with 0.
2	Local Code	Issue code	72030	This is the code prescribed by the Security Code Council. CB is recorded the 9 digits code as below. 1st digit ・・・ 9 2～3rd digit ・・・ 00 4～5th digit ・・・ Series No. Code 6～9 digit ・・・ 4-digit stock issue code	This is the code prescribed by the Security Code Council. CB is recorded the 9 digits code as below. 1st digit ・・・ 9 2～3rd digit ・・・ 00 4～5th digit ・・・ Series No. Code 6～9 digit ・・・ 4-digit stock issue code
3	ISIN Code	ISIN code	JP3633400001	This is the code prescribed by the Security Code Council.	Space
4	Exchange Code	Exchange code	1	1：TSE 2：Former OSE	1：TSE 2：Former OSE
5	Issue Calssification	Issue classification	0111	0111：First section (Domestic stock) 0112：Second section (Domestic stock) 0113：First section (Foreign stock) 0114：Mothers（Domestic stock） 0115：Domestic beneficiary certificate of investment trust 0116：Foreign beneficiary certificate of investment trust 0117：Preferred stock 0118：Mothers（Foreign stock） 0119：Real estate investment trusts certificate 0121：Second section (Foreign stock) 0122：TOKYO PRO Market (Domestic stock) 0123：TOKYO PRO Market (Foreign stock) 0124：JASDAQ Standard (Domestic stock) 0125：JASDAQ Standard (Foreign stock) 0126：JASDAQ Growth (Domestic stock) 0127：JASDAQ Growth (Foreign stock) 0211：CB ※1	Space
6	Industry Code	Industry code	3700	Indicates the industry code. ※1	Space
7	Securities Under Supervision and To Be Delisted Flag	Securities under supervision and to be delisted flag	1	1: Securities to be delisted 2: Securities under supervision Space: Other than the above ※1	Space
8	Time	Time	150000000000	hhmmssttttttt On/before 2017/9/1 hhmmsstttt00(100 Microseconds) On/before 2015/9/18 hhmmssmmm : This indicates the time when the price is recorded. (24 hour. Blanks are filled with "0.") ※Regarding issues of former OSE, mmm is fixed 000.	hhmmssmmm : This indicates the time when the price is recorded. (24 hour. Blanks are filled with "0.") ※Regarding issues of former OSE, mmm is fixed 000. ※Regarding issues of TSE, ssmmm is fixed 00000.
9	Session distinction	Session distinction	2	01：Morning 02：Afternoon	01：Morning 02：Afternoon
10	Price	Price	6107	（Unit : Yen）	（Unit : Yen）
11	Trading Volume	Trading volume	416400	（Unit : Share）※1,4	（Unit : Share）※1,4
12	Short Selling Regulation Flag	Short selling regulation flag	0	0: Short selling regulation does not apply. 1: Short selling regulation is effective. ※1	スペース
13	Closing Price Input Flag	Closing price input flag	2	1: when the trade isn't established at closing (ZARABA close) 2: when the trade is established at closing (Close at the closing price) Space: Other than the above ※1	スペース
14	State Flag	State flag	D0	Indicates the state of the trade A0: Trading Halt(Accepting Order Input) A1: Release of Trading Halt B0: Itayose B1: Release of Itayose C0: Trading Suspension C1: Release of Trading Suspension D0: Trading Halt(Not Accepting Order Input) Space: Other than the above B0: Indicate Itayose for Trading Suspension after removal of Special Quote B1: Indicate exit from Itayose when Trading Suspension is removed after removal of Special Quote ※1	スペース
15	Transaction ID	Transaction ID	20170425090000007300000001	yyyymmddhhmmssttttttt＋Sequence（5digit） On/before 2017/9/1 yyyymmddhhmmsstttt00＋Sequence（5digit） "Sequence" means the order of the transaction in the same time. So, transaction ID is not serial number.	yyyymmddhhmmssmmm000＋Sequence（3digit） "Sequence" means the order of the transaction in the same time. So, transaction ID is not serial number.

※1 Former OSE data are reccorded "Space" in these items.
※2 Before 2013/7/12, the issue of TOKYO PRO Market is recorded 0114:Mothers（Domestic stock）
※3 From 2013/7/16

※4 From 2006/2/1
The tick data specifications are as follows.

Data contains all the transaction and associated trading volume.



Becareful!

The tick data specifications before 2006/01/30 are as follows.

Data only records the history of price change. (Only the price labeled with white circle is recorded in Fig 1)
If the close price of the morning session and the open price of the afternoon session is the same,
the latter price is not recorded. (Fig. 2) If the previous day's closing price and the open price is the same the latter price is also recorded. (Fig 3)

Fig.1

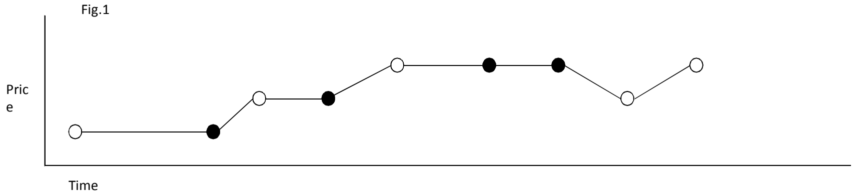
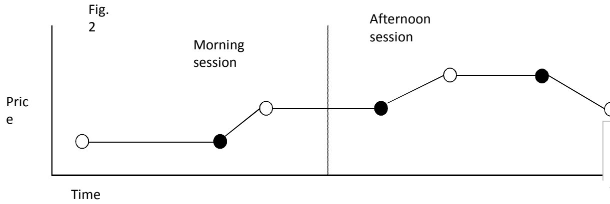
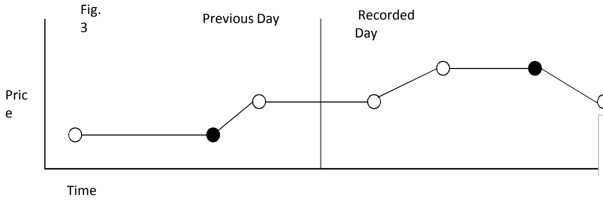


Fig. 2



When transactions are occured at the same price straddling the two sessions, the latter price is not recorded.

Fig. 3



When "Date" is different, the opening price is recorded as a tick even it is the same price as the previous day's closing price.

Open/High/Low/Close Price（Index）

1. Available data period

Since the available data period varies by each index, refer to Appendix 1.

2. Data Specifications

No.	Item	Header Name	Sample	Description
1	Date	Date	20130428	yyyymmdd
2	Index Code	Index type	0000	Index Code
3	Open price	Open	1667.52	Open price In the period recorded only closing price, space is recorded.
4	High Price	High	1667.52	High Price In the period recorded only closing price, space is recorded.
5	Low Price	Low	1644.22	Low Price In the period recorded only closing price, space is recorded.
6	Close Price	Close	1644.22	Close Price

Tick Data（Index）

1. Available data period

Since the available data period varies by each index, refer to Appendix 1.

2. Data Specifications

No.	Item	Header Name	Sample	Description
1	Date	Date	20131202	yyyymmdd
2	Index Code	Index type	0000	Index Code
3	Time	Time	090022	hhmmss
4	Session distinction	Session distinction	01	01：Morning 02：Afternoon
5	Index value	Current value	1260.95	Index value

Historical Quotes File（Stock・CB）

1. Available data period

Stock (Domestic)：2011/1/4
Stock (Foreign)：2011/1/4
Convertible Bonds：2011/1/4

2. Data Specifications

※recorded item

No.	Item	Header Name	Sample	Description	1P	VL	VA	QS	QB	SC	BC
1	Date	Date	20140211	YYYYMMDD: blank digit is filled with 0.	○	○	○	○	○	○	○
2	Local Code	Issue code	68360	This is the code prescribed by the Security Code Council.	○	○	○	○	○	○	○
3	ISIN Code	ISIN code	JP3633400001	This is the code prescribed by the Security Code Council.	○	○	○	○	○	○	○
4	Exchange Code	Exchange code	0	1：TSE 2：Former OSE	○	○	○	○	○	○	○
5	Issue Calssification	Issue classification	104	0111：First section (Domestic stock) 0112：Second section (Domestic stock) 0113：First section (Foreign stock) 0114：Mothers（Domestic stock） 0115：Domestic beneficiary certificate of investment trust 0116：Foreign beneficiary certificate of investment trust 0117：Preferred stock 0118：Mothers（Foreign stock） 0119：Real estate investment trusts certificate 0121：Second section (Foreign stock) 0122：TOKYO PRO Market (Domestic stock) 0123：TOKYO PRO Market (Foreign stock) 0124：JASDAQ Standard (Domestic stock) 0125：JASDAQ Standard (Foreign stock) 0126：JASDAQ Growth (Domestic stock) 0127：JASDAQ Growth (Foreign stock) 0211：CB ※1	○	○	○	○	○	○	○
6	Industry Code	Industry code	0050	Indicates the industry code. ※1	○	○	○	○	○	○	○
7	Securities Under Supervision and To Be Delisted Flag	Securities under supervision and to be delisted flag	1	1： Securities to be delisted 2： Securities under supervision Space： Other than the above ※1	○	○	○	○	○	○	○
8	Time	Time	103133023400	hhmmsstttttt On/before 2017/9/1 hhmmsstttt00(100 Microseconds) On/before 2015/9/18 hhmmssmmm ： This indicates the time when the price is recorded. (24 hour. Blanks are filled with "0.") ※Regarding issues of former OSE, mmm is fixed 000.	○	○	○	○	○	○	○
9	Tag ID	Tag ID	QB	1P、VL、VA、QS、QB、SC、BC	○	○	○	○	○	○	○
10	Price	Price	1023	（Unit ： Yen） In case of market order, spaces will be set.	○			○	○	○	○
11	Cumulative Trading Volume	Trading volume	8	（Unit ： Share）		○					
12	Turnover Value	Turnover value	861	（Unit ： Yen）			○				
13	Order Quantity	Order quantity	1000	（Unit ： Share）				○	○		
14	Number of Orders	Number of orders	10	（Unit ： Number）				○	○		
15	Order Quantity (effective only during the closing	Order quantity (effective only during the closing auction)	1000	（Unit ： Share）						○	○
16	Number of Orders (effective only during the closing	Number of orders (effective only during the closing auction)	10	（Unit ： Number）						○	○
17	Quote Flag	Quote flag	1	Indicates the variety of quote. 1:General quote, Quote before opening 2：General Quote(Buying-Up or Selling-Down)*1 3:Special quote 4:Continuous execution quote Space: When there is no quote quantity at that price. *1 It is set in the remaining ask quotes during Selling-Down in Sequential Trade Quote and also set in the highest priority ask quote during Buying-Up in Sequential Trade. It is set in the remaining bid quotes during Buying-Up in Sequential Trade Quote and also set in the highest priority bid quote during				○	○		
18	Matching Sign	Matching sign	0	Indicates the matching sign. Normally "0" will be set. While displaying special bid quote and continuous execution bid quote, and in case that this quote price becomes matching price, "1" or "2" will be set. 1:When matching sign is displayed within the price interval for updating the special quote 2:When matching sign is displayed out of the price interval for updating the special quote				○	○		

19	Middle of the Book Flag	Middle of the book flag	0	Indicates that price is in the middle of the book. During ITAYOSE 1:in case of setting the price in the middle of the book(Refer to Appendix6) 0:Other than above(In case of market order, "0" is always set.) During ZARABA 1: in case that the price is the best ask quote.(Refer to Appendix6 about continuous execution)				○	○		
20	State Flag	State flag	A0	Indicates the state of the trade A0: Trading Halt(Accepting Order Input) A1: Release of Trading Halt B0: Itayose B1: Release of Itayose C0: Trading Suspension C1: Release of Trading Suspension D0: Trading Halt(Not Accepting Order Input) Space: Other than the above B0: Indicate Itayose for Trading Suspension after removal of Special Quote B1: Indicate exit from Itayose when Trading Suspension is removed after removal of Special Quote ※1	○						
21	Closing Price Input Flag	Closing price input flag	1	Indicates whether the closing price occured. 1: when the trade is not established at closing (ZARABA close) 2: when the trade is established at closing (Close with the closing price) Space: Other than the above	○						
22	Transaction ID	Transaction ID	20170425090000073000000	yyyymmddhhmmsstttttt＋Sequence(5digit) On/before 2017/9/1 yyyymmddhhmmsstttt00＋Sequence(5digit) "Sequence" means the order of the transaction in the same time. So, transaction ID is not serial number.	○	○	○	○	○	○	○
23	Update No ※	Update No	11111111	Larger update number indicates newer data. This item is only recorded in API Service.	○	○	○	○	○	○	○

※ This item is not recorded in the data dated on/before September 18th, 2015.

3. Data Specifications(Detail)

(1)Outline of each tags

Tag	Name	Description
1P	Current price	Tag for current price information
VL	Trading volume	Tag for information concerning cumulative trading volume for the trading day.
VA	Turnover	Tag for information concerning cumulative turnover for the trading day.
QS	Ask quotes	Tag for ask quotes information
QB	Bid quotes	Tag for bid quotes information
SC	Sell orders effective only during the closing auction	Tag for sell orders effective only during the closing auction information
BC	Buy orders effective only during the	Tag for buy orders effective only during the closing auction information

(2)1P

Content and output condition	Remarks
1. Content In this tag, current price will be set. 2. Output condition (1) Upon new occurrence of trade price information (2) When order acceptance for morning session starts during short selling regulation is effective (3) When trading halt or release of trading halt occurs (4) When trading suspension occurs (5) When Itayose occurs during Continuous Auction (ZARABA) (6) When release of trading suspension occurs (7) When market is closed in Continuous Auction (ZARABA) (including closed under trading halt)	When the market is closed in Continuous Auction (ZARABA) (including closed under trading halt), "Time" indicates trading time of the last price. When trade occurrs with the same price as the last trade during Continuous Auction (ZARABA) (Including the time of the trade is different from the last one), this tag isn't recorded in the data dated on/before September 18th, 2015. When (2)~(6) occurs, this tag isn't recorded in the data dated on/after September 24th, 2015.

(3)QS

Content and output condition	Remarks
1. Content In this tag, ask quote information will be set. 2. Output condition (1) Upon new occurrence or change of any of ask quote information (2) Upon occurrence, renewal and disappearence of special ask quote, continuous ask execution quote *1 When ask quote previously outputted disappeared, This tag is outputted with "space" in quantity. *2 In case that special quote or continuous execution quote is displayed at closing auction for morning session, TSE sends the Quote information around at 12:00 in which the special quote or continuous execution quote is disappeared for the next session.	While Special Quote or Sequential Trade Quote is displaying, time of occurrence or renewal of that Special Quote or Sequential Trade Quote is set even if Quote Quantity or Number of Orders concerning the relevant price is changed.

(4)QB

Content and output condition	Remarks
1. Content In this tag, bid quotes information will be set. 2. Output condition (1) Upon new occurrence or change of bid quote information＊ (2) Upon occurrence, renewal and disappearence of special bid quote, continuous bid execution quote *1 When bid quote previously outputted disappeared, This tag is outputted with "space" in quantity.. *2 In case that special quote or continuous execution quote is displayed at closing auction for morning session, TSE sends the Quote information around at 12:00 in which the special quote or continuous execution quote is disappeared for the next session.	While Special Quote or Sequential Trade Quote is displayed, time of occurrence or renewal of that Special Quote or Sequential Trade Quote is set even if Quote Quantity or Number of Orders concerning the relevant price is changed

(5)SC

Content and output condition	Remarks
1．Content In this tag, Sell orders effective only during the closing auction will be set. 2．Output condition Upon new occurrence or change of Sell orders effective only during the closing auction information。 Note1: If sell orders effective only during the closing auction previously transmitted disappeared (because of cancellation or execution, etc.), This tag setting "space" in the order quantity is sent.	－

(6)BC

Content and output condition	Remarks
1. Content In this tag, Buy order effective only during the closing auction will be set. 2. Output condition Upon new occurrence or change of Buy order effective only during the closing auction information Note1: If buy orders effective only during the closing auction previously transmitted disappeared (because of cancellation or execution, etc.), This tag setting "space" in the order quantity is sent	－

(7)VL

Content and output condition	Remarks
1. Content In this tag, trading volume information of individual issue will be set. 2. Output condition Upon new occurrence of trade price information including Same Price Executions.	Trading volume is cumulative total value of the current day.

(8)VA

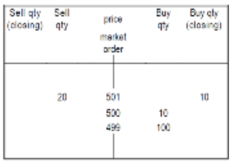
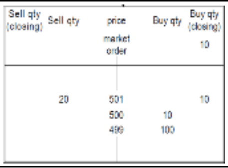
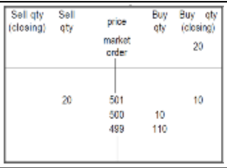
Content and output condition	Remarks
1. Content In this tag, turnover information of individual issue will be set. 2. Output condition Upon new occurrence of trade price information including Same Price Executions.	Turnover is cumulative total value of the current day.

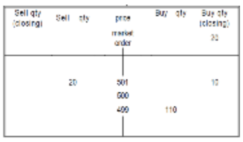
(9)Order of plural information generated at the same time
The plural information generated at the same time is distributed as one message.

Order of tags in transmitting is below.

Tag	Name
1P	Current Price
VL	Trading volume
VA	Turnover
QS	Ask Quote
QB	Bid Quote
SC	Sell orders effective only during the closing auction
BC	Buy orders effective only during the closing auction

(10)Example

<table>
<tr><th>No.</th><th>Evevt</th><th>Recorded main item</th><th>Orderbook Snapshot</th></tr>
<tr><td>①</td><td>Buy limit order
price:500yen
Qty:10</td><td><table><tr><th>Tag ID</th><th>Price</th><th>Order quantity</th><th>Quote flag</th><th>Middle of the book flag</th></tr><tr><td>QB</td><td>500</td><td>10</td><td>1</td><td>1</td></tr></table></td><td>
</td></tr>
<tr><td>②</td><td>Sell limit order
price:501yen
Qty:20</td><td><table><tr><th>Tag ID</th><th>Price</th><th>Order quantity</th><th>Quote flag</th><th>Middle of the book flag</th></tr><tr><td>QS</td><td>501</td><td>20</td><td>1</td><td>1</td></tr></table></td><td>
</td></tr>
<tr><td>③</td><td>Buy limit order
price:499yen
Qty:100</td><td><table><tr><th>Tag ID</th><th>Price</th><th>Order quantity</th><th>Quote flag</th><th>Middle of the book flag</th></tr><tr><td>QB</td><td>499</td><td>100</td><td>1</td><td>0</td></tr></table></td><td>
</td></tr>
<tr><td>④</td><td>Buy limit orders
effective only during
the
closing auction
price:501yen
Qty:10</td><td><table><tr><th>Tag ID</th><th>Price</th><th>Order quantity (effective only during the closing auction)</th></tr><tr><td>BC</td><td>501</td><td>10</td></tr></table></td><td>
</td></tr>
<tr><td>⑤</td><td>Buy market orders
effective only during
the
closing auction
price:―
Qty:10</td><td><table><tr><th>Tag ID</th><th>Price</th><th>Order quantity (effective only during the closing auction)</th></tr><tr><td>BC</td><td>△</td><td>10</td></tr></table></td><td>
</td></tr>
<tr><td>⑥</td><td>Buy limit orders
that
become market
orders at
the closing auction
if not
already executed
Price:499yen
Qty:10</td><td><table><tr><th>Tag ID</th><th>Price</th><th>Order quantity</th><th>Order quantity (effective only during the closing auction)</th><th>Middle of the book flag</th></tr><tr><td>QB</td><td>499</td><td>110</td><td></td><td>0</td></tr><tr><td>BC</td><td>△</td><td></td><td>20</td><td></td></tr></table></td><td>
</td></tr>
<tr><td>⑦</td><td>Sell limit order
Price:500yen
Qty:10

(Traded at 500 yen
(Qty:10))</td><td><table><tr><th>Tag ID</th><th>Price</th><th>Trading volume</th><th>Turnover value</th><th>Order quantity</th><th>Quote flg</th><th>Middle of the book flag</th></tr><tr><td>1P</td><td>500</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>VL</td><td></td><td>10</td><td></td><td></td><td></td><td></td></tr><tr><td>VA</td><td></td><td></td><td>5000</td><td></td><td></td><td></td></tr><tr><td>QB</td><td>500</td><td></td><td></td><td>△</td><td>△</td><td>0</td></tr><tr><td>QB</td><td>499</td><td></td><td></td><td>110</td><td>1</td><td>1</td></tr></table></td><td>
</td></tr>
</table>

(11)Setting method of Flag indicating the middle of the book

1. Quote before opening

①In the event prices of offer and bid are crossing.

	cumulative quantity	Ask quantity	Price	Bid quantity	cumulative quantity	
			No limit			
	222	10	105			
	212	53	104	21	21	
	159	26	103	45	66	
Flag indicating the middle of the book	133	21	102	64	130	
	112	10	101	40	170	Flag indicating the middle of the book
	102	92	100	46	216	
	10	10	99	10	226	
			98			

②In the event prices of offer and bid aren't crossing.

	cumulative quantity	Ask quantity	Price	Bid quantity	cumulative quantity	
			No limit			
	89	10	105			
	79	53	104			
Flag indicating the middle of the book	26	26	103			
			102			
			101	40	40	Flag indicating the middle of the book
			100	46	86	
			99	10	96	
			98			

③In the event there are prices where cumulative quantity of offers and bids are reversed and there are prices where difference of cumulative quantity of offers and bids is square.

	cumulative quantity	Offer quantity	price	Bid quantity	cumulative quantity	
		1	No limit	1		
	2	1	105		1	
	1		104		1	
	1		103		1	
	1		102		1	
Flag indicating the middle of the book	1		101	1	2	Flag indicating the middle of the book
	1		$\boxed{100}$		2	
	1		99		2	
	1		98		2	

Base price/Central price of the Order Book

④In the event differences of cumulative quantities of Offer and Bid up(upper/lower limit of order-acceptable price)are square up to the limit price.

	cumulative quantities	Ask quantity	Price	Bid quantity	cumulative quantities	
		20	No limit	20		
	20		105		20	
	20		104		20	
	20		103		20	
Flag indicating the middle of the book	20		$\boxed{102}$		20	Flag indicating the middle of the book
	20		101		20	
	20		100		20	
	20		99		20	

Base price/Central price of the Order Book

⑤In the event that both the price where cumulative quantities of ask or bid is greater than quantities of another is existing and the price where both cumulative quantities are square isexisting.

	cumulative quantity	Ask quantity	Price	Bid quantity	cumulative quantity	
		1	No limit	1		
	1		105		1	
	1		104		1	
	1		103		1	
Flag indicating the middle of the book	1		102	1	2	Flag indicating the middle of the book
	1		101		2	
	1		$\boxed{100}$		2	
	1		99		2	

Base Price/Flag (middle of the book)

⑥In the event that only either bid(s) or ask(s) is (are) existing.

	cumulative quantity	Ask quantity	Price	Bid quantity	cumulative quantity
			No limit		
	222	10	105		
	212	53	104		
	159	26	103		
	133	21	102		
	112	10	101		
	102	92	100		
Flag indicating the middle of the book	10	10	99		
			98		

⑦In the event that both ask(s) and bid(s) are existing and the price where both cumulative quantities are square isn't existing.

	cumulative quantity	Ask quantity	Price	Bid quantity	cumulative quantity	
		20	No limit			
	20		105			
	20		104			
	20		103			
	20		102			
	20		101			
	20		100			
Flag indicating the middle of the book	20		99 (Limit price/bottom price of the order input	19	19	Flag indicating the middle of the book

2. During ZARABA(price fluctuation by sell order)

・When registering sell limit order(100 yen-50stocks) on the book

	quantities set	Ask quantity	Price	Bid quantity	quantities set	
			No limit		This sell order (100yen-50stocks) is not disseminated because it is executed immediately when it registers on the book.	
	10	10	105			
	46	46	104			
Flag indicating the middle of the book(already disseminated)	40	40	103			
			102	21	21	Flag indicating the middle of the book(already disseminated)
			101	26	26	
		50	100	53	53	
			99	10	10	

・When 21 stocks were traded at 102 yen.

	quantities set	Ask quantity	Price	Bid quantity	quantities set	
			No limit		When 21 stocks were traded at 102 yen, the rest of sell order (29 stocks) is transmitted.	
	10	10	105			
	46	46	104			
Flag indicating the middle of the book(already disseminated)	40	40	103			
			102			
			101	26	26	Flag indicating the middle of the book
	29	***29***	100	53	53	
			99	10	10	

・When 26 stocks were traded at 101 yen.

	quantities set	Ask quantity	Price	Bid quantity	quantities set	
			No limit			When 26 stocks were traded at 101 yen, the rest of sell order (3 stocks) is transmitted.
	10	10	105			
	46	46	104			
Flag indicating the middle of the book(already disseminated)	40	40	103			
			102			
			101			
	3	<u>3</u>	100	53	53	Flag indicating the middle of the book
			99	10	10	

・When 3 stocks were traded at 100yen.

	quantities set	Ask quantity	Price	Bid quantity	quantities set	
			No limit			After 3 stocks (all orders) were traded, 100yen and 0qty are transmitted because the order was fully executed.
	10	10	105			
	46	46	104			
Flag indicating the middle of the book(already disseminated)	40	40	103			
			102			
			101			
			100	50	50	Flag indicating the middle of the book
			99	10	10	

3. During ZARABA (price fluctuation by buy order)

・When registering buy limit order(104 yen−50stocks) on the book

	quantities set	Ask quantity	Price	Bid quantity	quantities set	
			No limit			This buy order (104yen-50stocks) is not disseminated because it is executed immediately when it registers on the book.
	10	10	105			
	53	53	104	<u>50</u>		
	26	26	103			
Flag indicating the middle of the book(already disseminated	21	21	102			
			101	40	40	Flag indicating the middle of the book(already disseminated)
			100	46	46	
			99	10	10	

・When 21 stocks were traded at 102 yen.

	quantities set	Ask quantity	Price	Bid quantity	quantities set	
			No limit			When 21 stocks were traded at 102 yen, the rest of buy order (29 stocks) is transmitted.
	10	10	105			
	53	53	104	<u>29</u>	29	
Flag indicating the middle of the book	26	26	103			
			102			
			101	40	40	Flag indicating the middle of the book(already disseminated)
			100	46	46	
			99	10	10	

・When 26 stocks were traded at 103 yen.

	quantities set	Ask quantity	Price	Bid quantity	quantities set	
			No limit			When 26 stocks were traded at 103 yen, the rest of buy order (3 stocks) is transmitted.
	10	10	105			
Flag indicating the middle of the book	53	53	104	<u>3</u>	3	
			103			
			102			
			101	40	40	Flag indicating the middle of the book(already disseminated)
			100	46	46	
			99	10	10	

・When 3 stocks were traded at 104 yen.

	quantities set	Ask quantity	Price	Bid quantity	quantities set	
			No limit			After 3 stocks (all orders) were traded, 104yen and 0qty are transmitted because the order was fully executed.
	10	10	105			
Flag indicating the middle of the book	50	50	104			
			103			
			102			
			101	40	40	Flag indicating the middle of the book(already disseminated)
			100	46	46	
			99	10	10	

※Notice

Regarding the data dated on/before September 18th, 2015, when the multiple tags contain the same "Time", only the most recent data is recorded.

Regarding the data dated on/after September 24th, 2015, all tags are recorded.

(specific example)

When Quote Quantity or Number of Orders concerning the price of Special Quote or Sequential Trade Quote is changed.

When Market is closed in Continuous Auction (ZARABA) (including closed under trading halt)

Orderbook Snapshot（Stock・CB）

1. Available data period

The last 12 months data is recorded.

2. Data Specifications
※This data is not available via API.

No.	Item	Header Name	Sample	Description
1	Date	Date	20140211	YYYYMMDD: blank digit is filled with 0.
2	Local Code	Issue code	68360	This is the code prescribed by the Security Code Council.
3	ISIN Code	ISIN code	JP3633400001	This is the code prescribed by the Security Code Council.
4	Exchange Code	Exchange code	0	1：TSE 2：Former OSE
5	Issue Calssification	Issue classification	104	0111：First section (Domestic stock) 0112：Second section (Domestic stock) 0113：First section (Foreign stock) 0114：Mothers（Domestic stock） 0115：Domestic beneficiary certificate of investment trust 0116：Foreign beneficiary certificate of investment trust 0117：Preferred stock 0118：Mothers（Foreign stock） 0119：Real estate investment trusts certificate 0121：Second section (Foreign stock) 0122：TOKYO PRO Market (Domestic stock) 0123：TOKYO PRO Market (Foreign stock) 0124：JASDAQ Standard (Domestic stock) 0125：JASDAQ Standard (Foreign stock) 0126：JASDAQ Growth (Domestic stock) 0127：JASDAQ Growth (Foreign stock) 0211：CB
6	Industry Code	Industry code	0050	Indicates the industry code. ※1
7	Securities Under Supervision and To Be Delisted Flag	Securities under supervision and to be delisted flag	1	1： Securities to be delisted 2： Securities under supervision Space： Other than the above ※1
8	Time	Time	103133023400	hhmmsstttttt On/before 2017/9/1 hhmmsstttt00(100 Microseconds) On/before 2015/9/18 hhmmssmmm ： This indicates the time when the price is recorded. (24 hour. Blanks are filled with "0.") ※Regarding issues of former OSE, mmm is fixed 000.
9	(Sell) Order quantity (effective only during the closing	(Sell) Order quantity (effective only during the closing auction)	1000	（Unit ： Share）
10	(Sell) Number of orders (effective only during the closing auction)	(Sell) Number of orders (effective only during the closing auction)	10	（Unit ： Number）
11	(Sell) Order quantity	(Sell) Order quantity	1000	（Unit ： Share）
12	(Sell) Number of orders	(Sell) Number of orders	10	（Unit ： Number）
13	(Sell) Quote flag	(Sell) Quote flag	1	Indicates the variety of quote. 1:General quote, Quote before opening 2：General Quote(Buying-Up or Selling-Down)*1 3:Special quote 4:Continuous execution quote Space: When there is no quote quantity at that price. *1 It is set in the remaining ask quotes during Selling-Down in Sequential Trade Quote and also set in the highest priority ask quote during Buying-Up in Sequential Trade.
14	(Sell) Matching sign	(Sell) Matching sign	1	Indicates the matching sign. Normally "0" will be set. While displaying special bid quote and continuous execution bid quote, and in case that this quote price becomes matching price, "1" or "2" will be set. 1:When matching sign is displayed within the price interval for updating the special quote 2:When matching sign is displayed out of the price interval for updating the special quote 0:When matching sign is not displayed

15	(Sell) Middle of the book flag	(Sell) Middle of the book flag	1	Indicates that price is in the middle of the book. During ITAYOSE 1:in case of setting the price in the middle of the book（Refer to Appendix6） 0:Other than above（In case of market order, “0” is always set.） During ZARABA 1: in case that the price is the best ask quote. （Refer to Appendix6 about continuous execution）
16	Price	Price	1023	（Unit : Yen） In case of market order, spaces will be set.
17	Current price flag	Current price flag	1	1：current price Space：Other than the above
18	State flag	State flag	A0	Indicates variety of quote. 1:General quote, Quote before opening 3:Special quote 4:Continuous execution quote Space: There is no quote quantity at that price.
19	Closing price input flag	Closing price input flag	1	Indicates whether the closing price occured. 1: when the trade is not established at closing (ZARABA close) 2: when the trade is established at closing (Close with the closing price)
20	(Buy) Middle of the book flag	(Buy) Middle of the book flag	1	Indicates that price is in the middle of the book. During ITAYOSE 1:in case of setting the price in the middle of the book（Refer to Appendix6） 0:Other than above（In case of market order, “0” is always set.） During ZARABA 1: in case that the price is the best ask quote. （Refer to Appendix6 about continuous execution）
21	(Buy) Matching sign	(Buy) Matching sign	1	Indicates the matching sign. Normally “0” will be set. While displaying special bid quote and continuous execution bid quote, and in case that this quote price becomes matching price, “1” or “2” will be set. 1:When matching sign is displayed within the price interval for updating the special quote
22	(Buy) Quote flag	(Buy) Quote flag	1	Indicates the variety of quote. 1:General quote, Quote before opening 2：General Quote(Buying-Up or Selling-Down)*1 3:Special quote 4:Continuous execution quote Space: When there is no quote quantity at that price. *1 It is set in the remaining bid quotes during Buying-Up in Sequential Trade Quote and also set in the highest priority bid quote during Selling-Down in Sequential Trade Quote
23	(Buy) Order quantity	(Buy) Order quantity	1000	（Unit : Share）
24	(Buy) Number of orders	(Buy) Number of orders	10	（Unit : Number）
25	(Buy) Order quantity (effective only during the closing	(Buy) Order quantity (effective only during the closing auction)	1000	（Unit : Share）
26	(Buy) Number of orders (effective only during the closing auction)	(Buy) Number of orders (effective only during the closing auction)	10	（Unit : Number）

O/H/L/C Price Data (Derivatives)

1. Availability
   Please refer to fee schedule document as availability is vary depending upon products

2. How to get
   Download CSV file

3. Data Specifications
(1) Futures

No.	Header	Item	Sort Order		Description	Sample
1	Trade_Date	Trade Date	1	Ascending Order	Day when trandaction is conducted(YYYYMMDD) *One tradign day is from opening of night session to ending of day session	20091201
2	Index_Type	Index Segment	2	Ascending Order	Index segment is indicated. Please refer Appendix 3 for further information.	18
3	Security_Code	Local Securities Code	3	Ascending Order	Derivatives: 9-digit code Please refer to Appendix 3 for further information.	164120018
4	Open_Price_for_Whole_Trade_Day	Opening Price for Whole Trading Day			Opening price of the product/contract for the whole trading day (Unit: JPY or point)	9330
5	High_Price_for_Whole_Trade_Day	High Price for Whole Trading Day			High price of the product/contract for the whole trading day (Unit: JPY or point)	9570
6	Low_Price_for_Whole_Trade_Day	Low Price for Whole Trading Day			Low price of the product/contract for the whole trading day (Unit: JPY or point)	9220
7	Close_Price_for_Whole_Trade_Day	Closing Price for Whole Trading Day			Closing Price of the product/contract for the whole trading day (Unit: JPY or point)	9550
8	Open_Price_for_Night_Session	Opening Price for Night Session			Opening price of the product/contract for the night session (Unit: JPY or point)	9330
9	High_Price_for_Night_Session	High Price for Night Session			High price of the product/contract for the night session (Unit: JPY or point)	9340
10	Low_Price_for_Night_Session	Low Price for Night Session			Low price of the product/contract for the night session (Unit: JPY or point)	9250
11	Close_Price_for_Night_Session	Closing Price for Night Session			Closing Price of the product/contract for the night session (Unit: JPY or point)	9260
12	Open_Price_for_Morning_Session	Opening Price for Morning Session (if morning session trading is applied)			Opening price of the product/contract for the morning session (Unit: JPY or point)	9220
13	High_Price_for_Morning_Session	High Price for Morning Session (if morning session trading is applied)			High price of the product/contract for the morning session (Unit: JPY or point)	9320
14	Low_Price_for_Morning_Session	Low Price for Morning Session (if morning session trading is applied)			Low price of the product/contract for the morning session (Unit: JPY or point)	9220
15	Close_Price_for_Morning_Session	Closing Price for Morning Session (if morning session trading is applied)			Closing Price of the product/contract for the morning session (Unit: JPY or point)	9270
16	Open_Price_for_Afternoon_Session	Opening Price for Day Session (or Afternoon Session)			Opening price of the product/contract for the afternoon session (Unit: JPY or point)	9430
17	High_Price_for_Afternoon_Session	High Price for Day Session (or Afternoon Session)			High price of the product/contract for the afternoon session (Unit: JPY or point)	9570
18	Low_Price_for_Afternoon_Session	Low Price for Day Session (or Afternoon Session)			Low price of the product/contract for the afternoon session (Unit: JPY or point)	9430
19	Close_Price_for_Afternoon_Session	Closing Price for Day Session (or Afternoon Session)			Closing Price of the product/contract for the afternoon session (Unit: JPY or point)	9550
20	Trade_Volume	Trading Volume			Trading volume of the product/contract for the whole trading day including non-auction.(Unit: number of contracts)	161490
21	Open_Interest	Open Interest			Open interest of the product/contract for the whole trading day (Unit :number of contracts)	338008
22	Trade_Value	Trading Value			Trading value of the product/contract for the whole trading day including non-auction (Unit: JPY or point)	1517107272000
23	Contract_Month	Contract Month			Cotract Month of the product/contract (YYYYMM)	200912

※ Please refer "4. Session Information of O/H/L/C Price Data" for availability of session data for each product.
※ Figures include strategy trading. However, except for trading volume and trading value, strategy trading is not included in the figures with regard to executed trade up to February 10, 2011 for products previously traded on OSE and with regard to that up to November 18, 2011 for products previously traded on TSE

(2)Options

No.	Header	Item	Sort Order		Description	Sample
1	Trade_Date	Trade Date	1	Ascending Order	Day when trandaction is conducted(YYYYMMDD) *One tradign day is from opening of night session to ending of day session	20091201
2	Index_Type/Underlying_Security_Code	Index Segment /Underlying Securities	2	Ascending Order	Index segment is indicated. Please refer table of "Segment for the underlying index" in Appendix 3 for further information.	18
3	Put_Call_Type	Distinction of Put or Call	3	Ascending Order	Distinction of put or call is indicated(1:Put、2:Call)	1
4	Security_Code	Local Securities Code	4	Ascending Order	Derivatives: 9-digit code Please refer to Appendix 3 for further information.	134120018
5	Open_Price_for_Whole_Trade_Day	Opening Price for Whole Trading Day			Opening price of the product/contract for the whole trading day (Unit: JPY or point)	740
6	High_Price_for_Whole_Trade_Day	High Price for Whole Trading Day			High price of the product/contract for the whole trading day (Unit: JPY or point)	780
7	Low_Price_for_Whole_Trade_Day	Low Price for Whole Trading Day			Low price of the product/contract for the whole trading day (Unit: JPY or point)	485
8	Close_Price_for_Whole_Trade_Day	Closing Price for Whole Trading Day			Closing Price of the product/contract for the whole trading day (Unit: JPY or point)	500
9	Open_Price_for_Night_Session	Opening Price for Night Session			Opening price of the product/contract for the night session (Unit: JPY or point)	740
10	High_Price_for_Night_Session	High Price for Night Session			High price of the product/contract for the night session (Unit: JPY or point)	740
11	Low_Price_for_Night_Session	Low Price for Night Session			Low price of the product/contract for the night session (Unit: JPY or point)	740
12	Close_Price_for_Night_Session	Closing Price for Night Session			Closing Price of the product/contract for the night session (Unit: JPY or point)	740
13	Open_Price_for_Morning_Session	Opening Price for Morning Session (if morning session trading is			Opening price of the product/contract for the morning session (Unit: JPY or point)	765
14	High_Price_for_Morning_Session	High Price for Morning Session (if morning session trading is applied)			High price of the product/contract for the morning session (Unit: JPY or point)	780
15	Low_Price_for_Morning_Session	Low Price for Morning Session (if morning session trading is applied)			Low price of the product/contract for the morning session (Unit: JPY or point)	720
16	Close_Price_for_Morning_Session	Closing Price for Morning Session (if morning session trading is			Closing Price of the product/contract for the morning session (Unit: JPY or point)	765
17	Open_Price_for_Afternoon_Session	Opening Price for Day Session (or Afternoon Session)			Opening price of the product/contract for the afternoon session (Unit: JPY or point)	565
18	High_Price_for_Afternoon_Session	High Price for Day Session (or Afternoon Session)			High price of the product/contract for the afternoon session (Unit: JPY or point)	570
19	Low_Price_for_Afternoon_Session	Low Price for Day Session (or Afternoon Session)			Low price of the product/contract for the afternoon session (Unit: JPY or point)	485
20	Close_Price_for_Afternoon_Session	Closing Price for Day Session (or Afternoon Session)			Closing Price of the product/contract for the afternoon session (Unit: JPY or point)	500
21	Trade_Volume	Trading Volume			Trading volume of the product/contract for the whole trading day including non-auction.(Unit: number of contracts)	55
22	Open_Interest	Open Interest			Open interest of the product/contract for the whole trading day (Unit :number of contracts) *In case of JGB futures options whose last trading day is end of a month, open interest is indicated as the number of contact that is remaining to be exercised or expired at the close of the last trading	30778
23	Trade_Value	Trading Value			Trading value of the product/contract for the whole trading day including non-auction (Unit: JPY or point)	31680000
24	Contract_Month	Contract Month			Cotract Month of the product/contract (YYYYMM) Please note that two digit contract code is used intead of "MM" for Nikkei 225 Weekly Options. For furthe information, please refer to Appendix 3	200912
25	Exercise_Price	Exercise Price			Exercise Price of product/contract (Unit: JPY or point)	10000
26	Cash_Futures_Type	Distnction of Cash or Futures			Indicates whether underlying products are cash or futures (1:Cash、2: Futures)	1

※ Please refer "4. Session Information of O/H/L/C Price Data" for availability of session data for each product.

※ Figures include strategy trading. However, except for trading volume and trading value, strategy trading is not included in the figures with regard to executed trade up to February 10, 2011 for products previously traded on OSE and with regard to that up to November 18, 2011 for products previously traded on TSE

4. Session Information of O/H/L/C Price Data

<table>
<tr><th>Products</th><th>UP to September 18, 2000</th><th>From Sept. 19, 2000 to Jan. 31, 2005</th><th>From Feb.1, 2005 to Sept.18, 2007</th><th>From Sept. 19, 2007 to June 16, 2008</th><th>From June 17, 2008 to Feb. 10, 2011</th><th>From Feb. 14, 2011 to March 20, 2014</th><th>On or after March 24, 2014</th></tr>
<tr><td>Index Futures/Options
(Products previolsy traded on OSE)※1</td><td colspan="2">Whole Trading Day・(No Night Session)
(No Morning Session)・(No Afternoon Session)</td><td>Whole Trading Day・(No Night Session)
Morning Session・Afternoon Session</td><td colspan="2">Whole Trading Day・Night Session
Morning Session・Afternoon Session</td><td colspan="2">Whole Trading Day・Night Session
(No Morning Session)・Day Session</td></tr>
<tr><td>Index Futures/Options
(Products previolsy traded on TSE)※1</td><td colspan="4">Whole Trading Day・(No Night Session)・Morning Session・Afternoon Session</td><td colspan="2">Whole Trading Day・Night Session・Morning Session・Afternoon Session</td><td>Whole Trading Day・Night Session
(No Morning Session)・Day Session</td></tr>
<tr><td>JGB Futures/ Futures Options</td><td>Whole Trading Day・(No Night Session)
Morning Session・Afternoon Session</td><td colspan="6">Whole Trading Day・Night Session・Morining Session・Afternoon Session</td></tr>
<tr><td>Individual Security Options</td><td colspan="7">Whole Trading Day・(No Night Session) ・Morning Session・Afternoon Session</td></tr>
</table>

※1. With regard to RN Prime Index Futures, O/H/L/C prices only for whole trading day is avilable up to June 2011, while in and after July 2011, O/H/L/C prices for whole trading day, night and day session is available like other stock index futures products.
※1. With regard to Nikkei 225 VI Futures, O/H/L/C prices only for whole trading day and day session is available up to July 15, 2016 while on and after July 19, 2016, whole trading day, night and day session is available like other stock index futures products.
※With regard to TAIEX futures, O/H/L/C prices only for whole trading day and day session is available.
※Please refer Appendix 3 for the meaning of products previously traded on TSE/OSE .

One-Minute O/H/L/C Price(Derivatives)

1. Availability
   Please refer to fee schedule document as availability is vary depending upon products

2. How to get
   Download CSV file

3. Data Specifications
(1) Futures

No.	Header	Item	Sort Order		Description	Sample
1	Trade_Date	Trading date	1	Ascending Order	Day when trandaction is conducted(YYYYMMDD) *One tradign date is from opening of night session to ending of day session	20110201
2	Index_Type	Index Segment	2	Ascending Order	Indes segment is indicated. Please refer to Appendix 3 for further information.	19
3	Security_Code	Local Securities Code	3	Ascending Order	Derivatives: 9-digit code Please refer to Appendix 3 for further information.	166030019
4	Session_ID	Session ID			Trading session segment: Morning and Afternoon sessions＝999, Night sessions＝003	003
5	Interval_Time	Interval Time			Per-minute time (HHMM) Example: 9:20 "0920", 13:30 "1330" *While 24:00 mid-night is indicates as "0000" under data specification, only "0" could be shown when opening a file in Excel or other application.	1630
6	Open_Price	Open Price			Open price in the set time period（Unit: JPY or point)	10245
7	High_Price	High Price			High price in the set time period（Unit: JPY or point)	10245
8	Low_Price	Low Price			Low price in the set time period（Unit: JPY or point)	10235
9	Close_Price	Closing Price			Closing Price in the set time period（Unit: JPY or point)	10240
10	Trade_Volume	Trading Volume			Total trading volume in the set time period（Unit: JPY or point)	2986
11	VWAP	VWAP			VWAP at the end of the set time period（Unit: JPY or point) *Up to March 20, 2014 VWAP caluculated based upon tick from opening of a trading day to the end of the set interval time *On and after March 24, 2014 VWAP calculated based upon tick from beggining of the set interval time to the end of the set interval time	10243.7559
12	Number_of_Trade	The number of executions			Number of executions in the set time period	83
13	Record_No	Recording Order	4	Ascending Order	Number is assigned firstly by trading date, secondly by local securities code and thirdly by trading execution (Ascending Order) , but the number is not necessarily a serial number.	01630
14	Contract_Month	Contract Month			Cotract Month of the product/contract (YYYYMM)	201103

※ Figures include strategy trading. However, strategy trading is not included in the figures with regard to executed trade up to February 10, 2011 for products previously traded on OSE and with regard to that up to November 18, 2011 for products previously traded on TSE
※ Please refer Appendix 3 for further information on meaning of products previouly traded on TSE/OSE.

(2)Options

No.	Header	Item	Sort Order		Description	Sample
1	Trade_Date	Trading date	1	Ascending Order	Day when trandaction is conducted(YYYYMMDD) *One tradign date is from opening of night session to ending of day session	20110201
2	Index_Type/Underlying_Security_Code	Index Segment /Underlying Securities	2	Ascending Order	Index segment is indicated. Please refer to Appendix 3 for further information.	18
3	Put_Call_Type	Distinction of Put or Call	3	Ascending Order	Distinction of put or call is indicated(1:Put、2:Call)	1
4	Security_Code	Local Securities Code	4	Ascending Order	Derivatives: 9-digit code Please refer to Appendix 3 for further information.	136020018
5	Session_ID	Session ID			Trading session segment: Morning and Afternoon sessions＝999, Night sessions＝003	003
6	Interval_Time	Interval Time			Per-minute time (HHMM) Example: 9:20 "0920", 13:30 "1330" *While 24:00 mid-night is indicates as "0000" under data specification, only "0" could be shown when opening a file in Excel or other application.	1630
7	Open_Price	Open Price			Open price in the set time period（Unit: JPY or point)	40
8	High_Price	High Price			High price in the set time period（Unit: JPY or point)	40
9	Low_Price	Low Price			Low price in the set time period（Unit: JPY or point)	40
10	Close_Price	Closing Price			Closing Price in the set time period（Unit: JPY or point)	40
11	Trade_Volume	Trading Volume			Total trading volume in the set time period（Unit: JPY or point)	15
12	VWAP	VWAP			VWAP at the end of the set time period（Unit: JPY or point) *Up to March 20, 2014 VWAP caluculated based upon tick from opening of a trading day to the end of the said interval time *On and From March 24, 2014 VWAP calculated based upon tick from beggining of the said interval time to the end of the said interval time	40
13	Number_of_Trade	The number of executions			Number of executions in the set time period	1
14	Record_No	Recording Order	5	Ascending Order	Number is assigned firstly by trading date, secondly by local securities code and thirdly by trading execution (Ascending Order) , but the number is not necessarily a serial number.	01630
15	Contract_Month	Contract Month			Cotract Month of the product/contract (YYYYMM) Please note that two digit contract code is used intead of "MM" for Nikkei 225 Weekly Options. For furthe information, please refer to Appendix 3	201102
16	Exercise_Price	Exercise Price			Exercise Price of product/contract (Unit: JPY or point)	10000
17	Cash_Futures_Type	Distnction of Cash or Futures			Indicates whether underlying products are cash or futures (1:Cash、2: Futures)	1

※ Figures include strategy trading. However, strategy trading is not included in the figures with regard to executed trade up to February 10, 2011 for products previously traded on OSE and with regard to that up to November 18, 2011 for products previously traded on TSE
※ Please refer Appendix 3 for further information on meaning of products previouly traded on TSE/OSE.

Tick Data(Derivatives)

1. Availability

Please refer to fee schedule document as availability is vary depending upon products

2. How to get

Download CSV file

3. Data Specifications

(1) Futures

No.	Header	Item	Sort Order		Description	Sample
1	Trade_Date	Trading date	1	Ascending Order	Day when transaction is conducted(YYYYMMDD) *One trading date is from opening of night session to ending of day session	20141104
2	Make_Date	Making Date			Day when transaction is conducted(YYYYMMDD) *One making date is from opening of day session to ending of night session *"Blank" is indicated up to February 10, 2011 for products previously traded on OSE. *Date of "Trading date" is indicated up to March 20, 2014 for products previously traded on TSE.	20141031
3	Index_Type	Index Segment	2	Ascending Order	Index segment is indicated. Please refer to Appendix 3 for further information.	18
4	Security_Code	Local Securities Code	3	Ascending Order	Derivatives: 9-digit code Please refer to Appendix 3 for further information.	160030018
5	Time	Time of Present Value			Indicate time when current price is decided(HHMMSSmmm) *For products previosly traded on OSE : HHMM up to 2/24/2006, HHMMSS for 2/27/2006-7/15/2016 and HHMMSSmmm for on and after 7/19/2016 (Example)9H 20M "092000000" up to 2/24/2006 9H 20M 10 S "092010000" 2/27/2006-7/15/2016 9 H 20 M 10S123ms "092010123" on and after 7/19/2016 *For products previously traded on TSE： HHMM up to 3/20/2014, HHMMSS for 3/24/2014-7/15/2016 and HHMMSSmmm for on and after 7/19/2016 (Example)9 H 20M "092000000" up to 3/20/2014 9H 20 M 10S "092010000" 3/24/2014-7/15/2016 9 H 20 M 10S123ms "092010123" on and after 7/19/2016 *In any case, while time is listed as "000000000" under data specification for trading on on mid-night of 24H00M00S000ms, only "0" could be shown when opening a file in Excel or other application.	163000000
6	Trade_Price	Present Value			Indicate current price(Unit: JPY or point)	16520
7	Price_Type	Type of Present Value			Type of current price is indicated(O:Opening、E:Closing、P:Opening = Closing, N:Middle Price(executed during auction session) *On or after July 19, 2016, in case Opening＝Closing,"O:Opening" is indcated rather than "P:Opening =Closing" *"Blank" is indicated up to March 20, 2014 for products previously traded on TSE.	O
8	Trade_Volume	Trading volunme			Volume when trading is executed (Unit: number of contract)	124
9	No	Sequence No.	4	Ascending Order	Number is assigned firstly by trading date, secondly by local securities code and thirdly by trading execution (Ascending Order), but the number is not necessarily a serial number.	1
10	Contract_Month	Contract Month			Cotract Month of the product/contract (YYYYMM)	201503

※ Please refer Appendix 3 for further information on meaning of products previouly traded on TSE/OSE.

※ Figures include strategy trading. However, strategy trading is not included in the figures with regard to executed trade up to February 10, 2011 for products previously traded on OSE and with regard to that up to November 18, 2011 for products previously traded on TSE

(2)Options

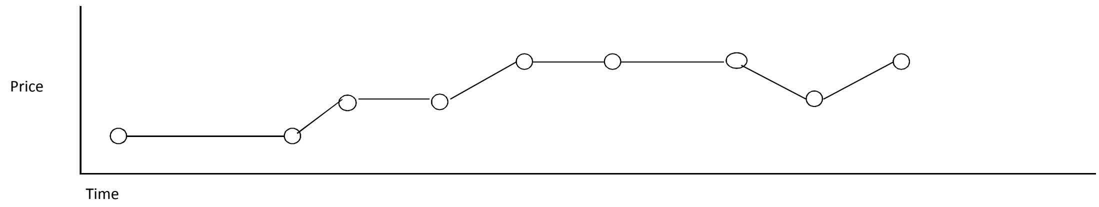
No.	Header	Item	Sort Order		Description	Sample
1	Trade_Date	Trading date	1	Ascending Order	Day when trandaction is conducted(YYYYMMDD) *One tradign date is from opening of night session to ending of day session	20141104
2	Make_Date	Making Date			Day when trandaction is conducted(YYYYMMDD) *One making date is from opening of day session to ending of night session *"Blank" is indicated up to February 10, 2011 for products previously traded on OSE. *Date of "Trading date" is indicated up to March 20, 2014 for products previously traded on TSE.	20141031
3	Index_Type/Underlying_Security Code	Index Segment /Underlying Securities	2	Ascending Order	Indes segment is indicated. Please refer table of "Segment for the underlying index" in Appendix 3 for further information.	18
4	Put_Call_Type	Distinction of Put or Call	3	Ascending Order	Distinction of put or call is indicated(1:Put、2:Call)	1
5	Security_Code	Local Securities Code	4	Ascending Order	Derivatives: 9-digit code Please refer to Appendix 3 for further information.	130010018
6	Time	Time of Present Value			Indicate time when current price is decided(HHMMSSmmm) *For products previosly traded on OSE : HHMM up to 2/24/2006, HHMMSS for 2/27/2006-7/15/2016 and HHMMSSmmm for on and after 7/19/2016 Example：9H 20M "092000000" up to 2/24/2006 9H 20M 10 S "092010000" 2/27/2006-7/15/2016 9 H 20 M 10S123ms "092010123" on and after 7/19/2016 *For products previously traded on TSE： HHMM up to 3/20/2014, HHMMSS for 3/24/2014-7/15/2016 and HHMMSSmmm for on and after 7/19/2016 (Example) 9 H 20M "092000000" up to 3/20/2014 9H 20 M 10S "092010000" 3/24/2014-7/15/2016 9 H 20 M 10 S123ms "092010123" on and after 7/19/2016 *In any case, while time is listed as "000000000" under data specification for trading on on mid-night of 24H00M00S000ms, only "0" could be shown when opening a file in Excel or other application.	182121000
7	Trade_Price	Present Value			Indicate current price(Unit: JPY or point)	4
8	Price_Type	Type of Present Value			Type of price is indicated(O:Opening、E:Closing、P:Opening =Closing、N:Middle Price(executed during auction session) *On or after July 19, 2016, in case Opening＝Closing, "O:Opening" is indcated rather than "P:Opening =Closing" *"Blank" is indicated up to March 20, 2014 for products previously traded on TSE.	O
9	Trade_Volume	Trading volunme			Indicate trading volume when trading is executed (Unit: number of contract)	29
10	No	Sequence No.	5	Ascending Order	Number is assigned firstly by trading date, secondly by local securities code and thirdly by trading execution (Ascending Order) , but the number is not necessarily a serial number.	1
11	Contract_Month	Contract Month			Cotract Month of the product/contract (YYYYMM) Please note that two digit contract code is used intead of "MM" for Nikkei 225 Weekly Options. For furthe information, please refer to Appendix 3	201501
12	Exercise_Price	Exercise Price			Exercise Price of product/contract (Unit: JPY or point)	10000
13	Cash_Futures_Type	Distnction of Cash or Futures			Indicate whether underlying products are cash or futures (1:Cash、2: Futures)	1

※ Please refer to Appendix 3 for further information on meaning of products previouly traded TSE/OSE.

※ Figures include strategy trading. However, strategy trading is not included in the figures with regard to executed trade up to February 10, 2011 for products previously traded on OSE and with regard to that up to November 18, 2011 for products previously traded on TSE

The tick data specifications are as follows.

Data contains all the transaction and associated trading volume.



Be careful!

The tick data specifications of products previously traded on TSE before 2006/01/30 are as follows.

Data only records the history of price change. (Only the price labeled with white circle is recorded in Fig 1
If the close price of the morning session and the open price of the afternoon session is the same,
the latter price is not recorded. (Fig. 2) If the previous day's closing price and the open price is the same the latter price is also recorded. (Fig 3) .

Fig. 1

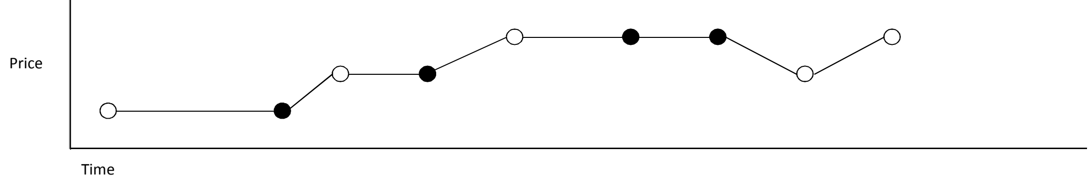


Fig.2

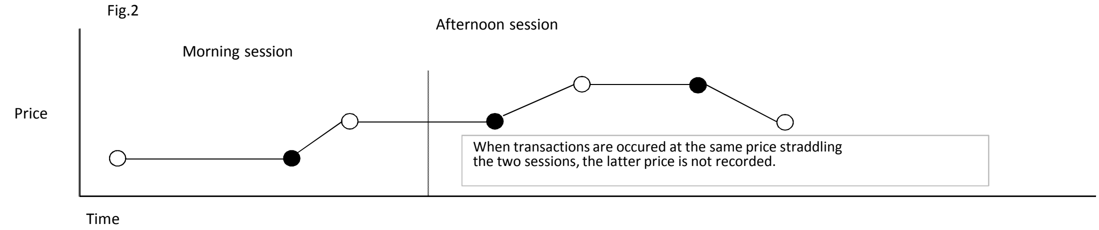
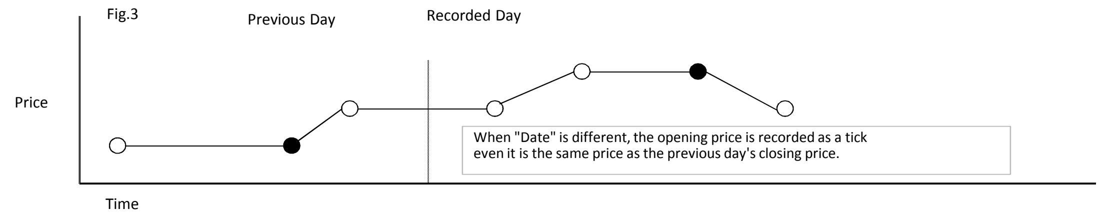


Fig.3



Full Order Information (Derivatives)

1. Availability
   On and after July 19, 2016

2.How to get
   Download CSV file

3. Data Specifications
(1)Information to be provided
   The following information is provided.
   (Files to be provided)

NO	Classification	File Name*1	Remark
1	Nikkei 225 Options Nikkei 225 Option(Weekly)	srnd-itch_YYYYMMDD_A.zip ※2 srnd-itch_YYYYMMDD_A.csv	※3
2	Individual Security Options	srnd-itch_YYYYMMDD_B.zip ※2 srnd-itch_YYYYMMDD_B.csv	※3
3	JGB Products	srnd-itch_YYYYMMDD_C.zip ※2 srnd-itch_YYYYMMDD_C.csv	※3
4	Nikkei 225 futures (Large Contract) TOPIX Futures JPX-Nikkei Index 400 Futures Other Futures TOPIX Options JPX-Nikkei Index 400 Options	srnd-itch_YYYYMMDD_D.zip ※2 srnd-itch_YYYYMMDD_D.csv	※3
5	Nikkei 225 mini	srnd-itch_YYYYMMDD_E.zip ※2 srnd-itch_YYYYMMDD_E.csv	※3

※1. "Business Date" is set for YYYYMMDD of file name. "Business Date" means
Business Date on J-GATE, which means from the starting online to end of online on J-GATE
※2. File name after unzip.
※3. Timing for receiving multi-cast information from J-GATE is from about 6:00 am to
5:45 am on the next day and therefore a file contains information received for the period.

(2)Files to be provided
   a. File format
      Please refer to "J-GATE ITCH Connectivity Manual" provided by the following for file format.
      https://www.jpx.co.jp/english/markets/paid-info-derivatives/reference/02.html
      Please also refer to "Appendix 1: Read-as-List of ITCH Connectivity Manual" which describes
      about the difference between messages disseminated via J-GATE and record contents of CSV file provided by TMI.
   b. Character code
      ASCII code file is provided.
   c. Compression format
      Each file is provided in ZIP format
      *Zip file per product classification is stored in zip file per day and the zip file per day is stored in zip file per order.
   d. Provision of MD5
      MD5 file is provided for each file so that users will be able to confirm its successful download. Please use it for checking or other purposes.
      File name is provided by adding extension of ".md5" with the file name indicated in item 1.
      (Example: "srnd-itch_YYYYMMDD_A.md5"　YYYYMMDD is Business Date.)

(3)Points to be noted for acquiring data
   Please be advised that sequence order of each file is not necessarily stored in chronological order.
   Due to system related reason, the following could be occurred.
   -Record occurred at 10:00:00 is stored prior than that occurred at 9:59:59
   -Record occurred during trading hours is stored in the last record.

Daily Report

1. Available from:
   On and after July 15, 2016

2. Data Outline / Update Interval
   Daily Report excel version, of which PDF version is posted at below, is available as one excel format separated into each sheet by each content.(Data on previous trading day is stored every day in a folder of a month starting on the second business day of each month)
   https://www.jpx.co.jp/english/markets/statistics-derivatives/daily/index.html

3. How to get
   Download excel file
   Data is stored in the same folder up to one month. Accordingly, folder of a month contains excel file from the beginning of a month to the previous business day when you access the file.

Contents

- Trading Volume and Value (Estimated)
  Trading volume and value are listed for each product.

- Daily Quotations for Each Product (Auction Market)
  OHLC (Open/High/Low/Close) prices, trading volume, trading value, settlement price, open interest and contracts exercised (options only) are listed for each issue.

- Daily Quotations for Each Product (J-NET Market)
  OHLC (Open/High/Low/Close) prices, trading volume and trading value are listed for each issue.
  (For some products, data is listed in the same sheet of Auction Market)

- Trading Volume and Value (Settled)
  Settled information relating to trading executed on 4 trading days ago are listed for each underlying.
  (Multiple underlying may be listed in the same sheet.)

Please refer to the following for sample file.
http://db-ec.jpx.co.jp/ext/technical_en.html

Closing Price (Total Return Index etc)

1. Available data period

Since the available data period varies by each index, refer to Appendix 1.

2. Data Specifications

No.	Item	Header Name	Sample	Description
1	Date	Date	20130428	YYYYMMDD: blank digit is filled with 0.
2	Index Code	Index type	0000	Index code If index code is nothing, index name is recorded.
3	Closing Price	Close	1644.22	Closing price

Open Interest of Margin Transactions

1. Available data period

2002/1/4～

2. Summary of Information Provided

① Detail

The detailed records record the open interest of margin transactions for each security listed on the TSE (domestic stocks, domestic investment trusts, etc. as well as foreign stocks and foreign depository receipts, etc.

② Total

The aggregate records display totals for (a) loan issues, (b) margin issues, and (c) other issues (non-loan, non-margin), as well as (d) the grand totals for (a), (b) and (c) categorized by (e) TSE First Section, (f) TSE Second Section, (g) Mothers, (h) investment trusts, etc., (j) JASDAQ, and (k) TOKYO PRO Market, as well as (i) the sum of (e) – (h) and (j) – (k).

３. Data Specifications

No.	Item	Sample	Description
1	Local Code	14080	○ When data item 2 (Total / Detail Classification) is “0” (Detail), 9-digit code comprising 4 single-byte spaces, a 4-digit securities code assigned by the Securities Identification Code Committee, and a 1-digit reserve code is set. For stocks, investment trusts, etc., set the securities code (five digits). The issue code is followed by a single “0” when there is no stocks reserve code. For example, 6758 becomes △△△△67580 ○ When data item 2 is other than “0”, all spaces
2	Total / Detail Classification	0	Detailed Records and Aggregate Records Classification Codes 0:Detail 1:Loan issues total 2:Loan issues TSE First Section total 3:Loan issues TSE Second Section total 4:Loan issues Mothers total 5:Loan issues investment trusts, etc. total 6:Margin issues total 7:Margin issues TSE First Section total 8:Margin issues TSE Second Section total 9:Margin issues Mothers total A:Margin issues investment trusts, etc. total B:Other issues (non-loan, non-margin) total C:Other issues (non-loan, non-margin) TSE First Section total D:Other issues (non-loan, non-margin) TSE Second Section total E:Other issues (non-loan, non-margin) Mothers total F:Other issues (non-loan, non-margin) investment trusts, etc. total G:Grand total H:TSE First Section total I:TSE Second Section total J:Mothers total K:Investment trusts, etc. total L:Loan issues JASDAQ total M:Loan issues TOKYO PRO Market total N:Margin issues JASDAQ total O:Margin issues TOKYO PRO Market total P:Other issues (non-loan, non-margin) JASDAQ total Q:Other issues (non-loan, non-margin) TOKYO PRO Market total R:JASDAQ total S:TOKYO PRO Market total
3	Total Short Position	200	Total margin trading (negotiable and standardized margin trading) weekend short positions
4	Balance from Previous Week’s Short Position	-500	Total margin trading (negotiable and standardized margin trading) weekend short positions compared with previous week

5	Total Long Position	62200	Total margin trading (negotiable and standardized margin trading) weekend long positions
6	Balance from Previous Week's Long Position	−700	Total margin trading (negotiable and standardized margin trading) weekend long positions compared with previous week
7	Short Position for Negotiable Margin	200	Negotiable margin trading weekend short positions
8	Balance from Previous Week's Short Position	−500	Negotiable margin trading weekend short positions compared with previous week
9	Short Position for Standardized Margin Transactions	0	Standardized margin trading weekend short positions
10	Balance from Previous Week's Short Position	0	Standardized margin trading weekend short positions compared with previous week
11	Long Position for Negotiable Margin	35800	Negotiable margin trading weekend long positions
12	Balance from Previous Week's Long Position	100	Negotiable margin trading weekend long positions compared with previous week
13	Long Position for Standardized Margin Transactions	26400	Standardized margin positions weekend long positions
14	Balance from Previous Week's Long Position	−800	Standardized margin positions weekend long positions compared with previous week
15	Issue Types	1	Issue Classifications （Before 2009/8） 1：Loan issues 2：Margin issues 3：Other issues (non−loan, non−margin) △: Set single−byte space in the aggregate records. （After 2009/9） 1：Margin issues 2：Loan issues 3：Other issues (non−loan, non−margin) △: Set single−byte space in the aggregate records.
16	Record Date	20141128	Record date is set in YYYYMMDD format. When the month or date is single−digit, a "0" is placed in the first M or D column. For example, May 9, 2005 is set as "20050509"

・For stocks and investment trusts, the figures are respectively set in shares (the former) and lot units (the latter) (displayed five digits after the decimal point).
・The figures are of variable length, and do not drop digits from previous "0"s and spaces. A minus sign is added just before the first digit of negative numbers.
Examples: 250000 becomes 250000.00000
−30000 becomes −30000.00000

The classifications of the aggregate records relate to the values set in "Total/Detail Classification" as follows.

	(a) Loan Issues	(b) Margin Issues	(c) Other Issues (Non-loan, non-margin)	(d) Total of (a), (b) and (c)
(i) Total of (e) - (h) and (j) – (k)	1	6	B	G
(e) TSE First Section (including First Section foreign stocks)	2	7	C	H
(f) TSE Second Section (including Second Section foreign stocks))	3	8	D	I
(g) Mothers (including Mothers foreign stocks)	4	9	E	J
(h) Investment Trusts, Etc. (including other foreign securities)	5	A	F	K
(j) JASDAQ	L	N	P	R
(k) TOKYO PRO Market	M	O	Q	S

TOPIX Beta

1. Available data period

2011/12～

2. Summary of Information Provided

The data is caulcalated and published per quarter.

３. Data Specifications

(1) index Beta

No.	Item	Sample	Description
1	Beta(yyyy.mm-yyyy.mm)	1.06	Beta based on the data of the last 60 months
2	Coefficient of determination	0.98	Coefficient of determination of beta basedon the data of the last 60 months
3	Rate of return	7.07	Rate of return based on the data of the last 60 months
4	Sigma	5.55	Sigma based on the data of the last 60 months
5	Beta(yyyy.mm-yyyy.mm)	1.09	Beta based on the data of the last 30 months
6	Coefficient of determination	0.98	Coefficient of determination of beta based on the data of the last 30 months
7	Rate of return	-3.1	Rate of return based on the data of the last 30 months
8	Sigma	5.65	Sigma based on the data of the last 30 months
9	Beta(yyyy.mm-yyyy.mm)	1.03	Beta based on the data of the period between 31 months ago and 60 months ago
10	Coefficient of determination	0.99	Coefficient of determination of beta basedon the data of the period between 31 months ago and 60 months ago
11	Rate of return	18.31	Rate of return based on the period between 31 months ago and 60 months ago
12	Sigma	5.4	Sigma based on the data of the period between 31 months ago and 60 months ago

(2) stock Beta

No.	Item	Sample	Description
1	No.	1	Serial number by issue
2	Code	1301	This is the code prescribed by the Security Code Council.
3	Issues(Japanese)	極洋	Issue name（Japanese）
4	Issues(English)	KYOKUYO CO., LTD.	Issue name（English）
5	mark（30 or more but under 60 months）	＊	In the case that the data period is 30 months or more but less than 60 months, this shows "＊". In the case that the data period is more than
6	Industrial Classifications(Japanese)	水産・農林業	Industrial Classifications (Japanese)
7	Industrial Classifications	Fishery, Agriculture & Forestry	Industrial Classifications (English)
8	Beta(yyyy.mm-yyyy.mm)	0.62	Beta based on the data of the last 60 months
9	Coefficient of determination	0.39	Coefficient of determination of beta basedon the data of the last 60 months
10	Rate of return	8.67	Rate of return based on the data of the last 60 months
11	Sigma	5.15	Sigma based on the data of the last 60 months
12	Beta(2012.4-2014.9)	0.6	Beta based on the data of the last 30 months
13	Coefficient of determination	0.36	Coefficient of determination of beta based on the data of the last 30 months
14	Rate of return	13.36	Rate of return based on the data of the last 30 months
12	Sigma	5.28	Sigma based on the data of the last 30 months

4. Beta, Coefficient of determination and rate of return etc.

(1) β

Measure of a stock's relative volatility. Beta is the covariance of a stock in relation to the rest of the stock market. TOPIX has a beta coefficient of 1. Any stock with a higher beta is more volatile than the market, and any with a lower beta can be expected to rise and fall more slowly than the market.

$Ri = a + b * Rm$ Ri : Rate of return issue of i (ex rights adjusted)

Rm : Rate of return for TOPIX

(2) Coefficient of determination

What is important when calculating beta is to find out how well the former equation fits.
The measure of this fitness is called coefficient of determination in statistical terms. The coefficient of determination ranges from 0 to 1, movement of each description can be mostly explained by that of TOPIX. Beta has a high capability of explanation.
Through each coefficient of determination of the description is not so large, it is proved that it comes closer to 1 by increasing the number of descriptions in portfolio.
The coefficient of determination on this table only explains beta of the past and it does not guarantee beta in the future.

(3) Rate of return

Rate of return is to measure how much the earnings (profit return from advances + dividend) are compared with front-end investment.
It can be defined as follows:
Monthly rate of return = (month-end stock price − preceding month-end stock price + monthly dividend per stock) / preceding month-end stock price *100
Ex rights by capital increase during the above period were adjusted by ex-right-revised stock price. Figures on the table are converted into yearly rate.

(4) Sigma

Sigma is the standard deviation of monthly rate of returns on each stock for period of calculation. While beta indicates the risk which cannot be eliminated even by the diversified investment, sigma indicates the total risk of each stock, which includes beta and risk which can be eliminated.

Shareholders Meetings Data

1. Service Lineup

No.	Service	Content	Time of offering service
Ⅰ	[Japanese Ver.] Agenda Data for Shareholders and Investors Meetings	Agenda Data for Shareholders and Investors Meetings of Japanese Listed Issuers including REIT	The Data will be provided four times a year. ⅰ) Shareholders and Investors Meetings held from January to March - provided at mid-April ⅱ) Shareholders and Investors Meetings held from April to June - provided at mid-July ⅲ) Shareholders and Investors Meetings held from July to September - provided at mid-October ⅳ) Shareholders and Investors Meetings held from October to December - provided at mid-January next year
Ⅱ	[Japanese Ver.] Agenda and Resolution Data for Shareholders and Investors Meetings	Agenda and Resolution Data for Shareholders and Investors Meetings of Japanese Listed Issuers including REIT (Resolution Data is only available for Shareholders Meetings)	The Data will be provided once a year. - Shareholders and Investors Meetings held from April to June - provided at mid-July
Ⅲ	[English Ver.] Agenda Data for Shareholders and Investors Meetings	Agenda Data for Shareholders and Investors Meetings of Japanese Listed Issuers including REIT	The Data will be provided four times a year. ⅰ) Shareholders and Investors Meetings held from January to March - provided at mid-April ⅱ) Shareholders and Investors Meetings held from April to June - provided at mid-July ⅲ) Shareholders and Investors Meetings held from July to September - provided at mid-October ⅳ) Shareholders and Investors Meetings held from October to December - provided at mid-January next year
Ⅳ	[English Ver.] Agenda and Resolution Data for Shareholders and Investors Meetings	Agenda and Resolution Data for Shareholders and Investors Meetings of Japanese Listed Issuers including REIT (Resolution Data is only available for Shareholders Meetings)	The Data will be provided once a year. - Shareholders and Investors Meetings held from April to June - provided at mid-July
Ⅴ	Agenda Resolution Data for Shareholders Meetings	Agenda Resolution Data for Shareholders Meetings of Japanese Listed Issuers (This data doesn't contain agenda titles)	The Data will be provided once a year. - Shareholders and Investors Meetings held from April to June - provided at mid-July

2. Data Acquisition

The Data will be provided in Excel format.

*The use of Excel format is recommended. The data might be displayed incorrectly in the other format.

3. Data Specification

Ⅰ. [Japanese Ver.] Agenda Data for Shareholders and Investors Meetings

No.	Item Name	Data Sample	Content
1	Code	86970	Securities Code provided by Securities Identification Code Committee - 5 positions; Numeric
2	ISIN	JP3183200009	ISIN Code provided by Securities Identification Code Committee - 12 positions; Alphanumeric
3	Company Name	日本取引所グループ	Name of Issuing Company or Investment Company
4	Record Date	2014/3/31	Record Date of Shareholders and Investors Meetings - YYYY/M/D
5	Meeting Type	定時/AGM	Meeting Type of Shareholders and Investors Meetings - Annual General Meeting - "定時/AGM" - Extraordinary General Meeting - "臨時/EGM" - Other Meeting - "その他/OTH"
6	Meeting Date	2014/6/17	Meeting Date of Shareholders and Investors Meetings - YYYY/M/D
7	Shareholder Proposal	1	Agenda proposed by Shareholders - "1" will be displayed for Shareholder Proposal
8	Ballot	1 1.1	Agenda Number ICJ will number agendas based on order of agendas on a proxy statement.
9	Agenda Category	JM01	Agenda Category which ICJ classifies based on ICJ's Agenda Categories - 4 positions; Alphanumeric *Please refer to the Exhibit "The List of ICJ's Agenda Categories".
10	Agenda Title	剰余金の配当等	Agenda Title based on ICJ's Agenda Categories *Please refer to the Exhibit "The List of ICJ's Agenda Categories".

Ⅱ. [Japanese Ver.] Agenda and Resolution Data for Shareholders and Investors Meetings

No.	Item Name	Data Sample	Content
1	Code	86970	Securities Code provided by Securities Identification Code Committee - 5 positions; Numeric
2	ISIN	JP3183200009	ISIN Code provided by Securities Identification Code Committee - 12 positions; Alphanumeric
3	Company Name	日本取引所グループ	Name of Issuing Company or Investment Company
4	Record Date	2014/3/31	Record Date of Shareholders and Investors Meetings - YYYY/M/D
5	Meeting Type	定時/AGM	Meeting Type of Shareholders and Investors Meetings - Annual General Meeting - "定時/AGM" - Extraordinary General Meeting - "臨時/EGM" - Other Meeting - "その他/OTH"
6	Meeting Date	2014/6/17	Meeting Date of Shareholders and Investors Meetings - YYYY/M/D
7	Shareholder Proposal	1	Agenda proposed by Shareholders - "1" will be displayed for Shareholder Proposal
8	Ballot	1 1.1	Agenda Number ICJ will number agendas based on order of agendas on a proxy statement.
9	Agenda Category	JM01	Agenda Category which ICJ classifies based on ICJ's Agenda Categories - 4 positions; Alphanumeric *Please refer to the Exhibit "The List of ICJ's Agenda Categories".
10	Agenda Title	剰余金の配当等	Agenda Title based on ICJ's Agenda Categories *Please refer to the Exhibit "The List of ICJ's Agenda Categories".
11	Resolution	A	Resolution extracted from public information such as EDINET run by Financial Services Agency (except Investors Meetings) - Accepted - "A" - Rejected - "R" - Withdrawn - "W" - Other (No proposal, etc.) - "-"
12	Remarks		Remarks

Ⅲ. [English Ver.] Agenda Data for Shareholders and Investors Meetings

No.	Item Name	Data Sample	Content
1	Code	86970	Securities Code provided by Securities Identification Code Committee - 5 positions; Numeric
2	ISIN	JP3183200009	ISIN Code provided by Securities Identification Code Committee - 12 positions; Alphanumeric
3	Company Name	Japan Exchange Group,Inc.	Name of Issuing Company or Investment Company
4	Record Date	2014/3/31	Record Date of Shareholders and Investors Meetings - YYYY/M/D
5	Meeting Type	AGM	Meeting Type of Shareholders and Investors Meetings - Annual General Meeting - "AGM" - Extraordinary General Meeting - "EGM" - Other Meeting - "OTH"
6	Meeting Date	2014/6/17	Meeting Date of Shareholders and Investors Meetings - YYYY/M/D
7	Shareholder Proposal	1	Agenda proposed by Shareholders - "1" will be displayed for Shareholder Proposal
8	Ballot	1 1.1	Agenda Number ICJ will number agendas based on order of agendas on a proxy statement.
9	Agenda Category	JM01	Agenda Category which ICJ classifies based on ICJ's Agenda Categories - 4 positions; Alphanumeric *Please refer to the Exhibit "The List of ICJ's Agenda Categories".
10	Agenda Title	Approve Appropriation of Surplus	Agenda Title in English ICJ will translate Japanese agendas on a proxy statement into English agendas based on ICJ's own terms. *In case of Appoint/Remove Directors and Corporate Auditors agenda, ICJ will add candidate's names.

Ⅳ. [English Ver.] Agenda and Resolution Data for Shareholders and Investors Meetings

No.	Item Name	Data Sample	Content
1	Code	86970	Securities Code provided by Securities Identification Code Committee - 5 positions; Numeric
2	ISIN	JP3183200009	ISIN Code provided by Securities Identification Code Committee - 12 positions; Alphanumeric
3	Company Name	Japan Exchange Group,Inc.	Name of Issuing Company or Investment Company
4	Record Date	2014/3/31	Record Date of Shareholders and Investors Meetings - YYYY/M/D
5	Meeting Type	AGM	Meeting Type of Shareholders and Investors Meetings - Annual General Meeting - "AGM" - Extraordinary General Meeting - "EGM" - Other Meeting - "OTH"
6	Meeting Date	2014/6/17	Meeting Date of Shareholders and Investors Meetings - YYYY/M/D
7	Shareholder Proposal	1	Agenda proposed by Shareholders - "1" will be displayed for Shareholder Proposal
8	Ballot	1 1.1	Agenda Number ICJ will number agendas based on order of agendas on a proxy statement.
9	Agenda Category	JM01	Agenda Category which ICJ classifies based on ICJ's Agenda Categories - 4 positions; Alphanumeric *Please refer to the Exhibit "The List of ICJ's Agenda Categories".
10	Agenda Title	Approve Appropriation of Surplus	Agenda Title in English ICJ will translate Japanese agendas on a proxy statement into English agendas based on ICJ's own terms. *In case of Appoint/Remove Directors and Corporate Auditors agenda, ICJ will add candidate's names.
11	Resolution	A	Resolution extracted from public information such as EDINET run by Financial Services Agency (except Investors Meetings) - Accepted - "A" - Rejected - "R" - Withdrawn - "W" - Other (No proposal, etc.) - "-"
12	Remarks		Remarks

Ⅴ. Agenda Resolution Data for Shareholders Meetings

No.	Item Name	Data Sample	Content
1	Code	86970	Securities Code provided by Securities Identification Code Committee - 5 positions; Numeric
2	ISIN	JP3183200009	ISIN Code provided by Securities Identification Code Committee - 12 positions; Alphanumeric
3	Company Name	Japan Exchange Group,Inc.	Name of Issuing Company or Investment Company
4	Record Date	2014/3/31	Record Date of Shareholders and Investors Meetings - YYYY/M/D
5	Meeting Type	AGM	Meeting Type of Shareholders and Investors Meetings - Annual General Meeting - "AGM" - Extraordinary General Meeting - "EGM" - Other Meeting - "OTH"
6	Meeting Date	2014/6/17	Meeting Date of Shareholders and Investors Meetings - YYYY/M/D
7	Shareholder Proposal	1	Agenda proposed by Shareholders - "1" will be displayed for Shareholder Proposal
8	Ballot	1 1.1	Agenda Number ICJ will number agendas based on order of agendas on a proxy statement.
9	Resolution	A	Resolution extracted from public information such as EDINET run by Financial Services Agency (except Investors Meetings) - Accepted - "A" - Rejected - "R" - Withdrawn - "W" - Other (No proposal, etc.) - "-"
10	Remarks		Remarks

*Exhibit "The List of ICJ's Agenda Categories" is subject to change without prior notice.

End of month Master Of Index

1. Available data period

   the past 12 months

2. Summary of Information Provided

   Includes data such as the Index Constituents master data of the last business day of the month.
   The monthly data(as of the end of the month) is updated on or after 4:20 pm (Japan time) on the last business day of the following month.

3. How to get
   Download csv file

4. Data Specifications

No.	Item	Header Name	Sample	Description
1	Date	Date	20151130	Effective date of the data
2	Local Code	Local Code	21810	Unique identifying code for each constituent, as set by the Securities Identification Code Committee
3	Name	Name	Temp Holdings Co.,Ltd.	English name for the constituent
4	ISIN	ISIN	JP3547670004	ISIN code for the constituent
5	Index Classification Code	Index Classification Code	101	Indicates the index classification code
6	Index Classification	Index Classification	TOPIX	Corresponding English name for the index classification code noted in 5, above.
7	Sector Code	Sector Code	9050	Sector classification for the constituent
8	Sector	Sector	Services	Corresponding English name for the sector code in 7,
9	Size Code (TOPIX)	Size Code (TOPIX)	2	The size code 1 classification set if a constituent is a component of Size-based TOPIX sub-indices
10	Size (TOPIX)	Size (TOPIX)	Medium	Corresponding English name for the size code 1 in 9,
11	Size Code (New Index Series	Size Code (New Index Series	4	The size code 2 classification set if a constituent is a component of a new index series
12	Size (New Index Series)	Size (New Index Series)	TOPIX Mid400	Corresponding English name for the size code 2 in 11,
13	Close for Indexes Calculatior	Close for Indexes Calculatior	1988	Closing or other applicable price used for index calculation on the effective date
14	No. of Shares	No. of Shares	117830976.5	Number of shares for index calculation reflecting FFW and others on effective date (Units: Shares)
15	Dividend Amount	Dividend Amount	2	Forecast dividend per share relating to ex-dividend and final dividend adjustment per share (Units:Yen) If no dividend, then set NULL. Final dividend adjustment per share is calculated as follows. Dividend per share reported in the “Earnings Digest” −
16	Aggregate Dividend Amount	Aggregate Dividend Amount	235661953	Sum of (Product of the forecast dividend per share relating to the ex-dividend, and the number of constituent shares as of the business day prior to the ex-dividend date) and (total amount for final dividend adjustment) for the constituent.(Units: Yen) If no dividend, then set to NULL. Total amount for final dividend adjustment is calculated as follows. Total dividend amount reported in the “Earnings Digest” − Total estimated dividend amount
17	Change in No. of Shares	Change in No. of Shares	109772	Number of constituent shares in 14, above, less the number of constituent shares as of the date of data
18	CMV	CMV	234248000000	Closing market value on the effective date the data for the constituent is applied (Unit: Yen)
19	Trading Unit	Trading Unit	100	Indicates the trading unit of the constituent
20	FFW	FFW	0.5	Indicates the free-float weight Free-Float Weight (FFW) is the percentage of listed shares deemed to be available for trading in the market. The TSE calculates FFW for each listed company and uses this value in index calculation. For more detail, please refer to "Free Float Weight Calculation Methodology". https://www.jpx.co.jp/english/markets/indices/line-up/tvdivq00000032sb-att/e_ref_1_FFW.pdf
21	No. of Shares before FFW	No. of Shares before FFW	235661953	Indicates the number of constituent shares (100% type) (Units: Shares)
22	Calculation Base Price	Calculation Base Price	1976	The first price to be used in calculating the index when the price of the constituent has not changed (due to contract terms or special market conditions) in the time prior to the timing of the initial index calculation on the effective date of the data (Unit: Yen)

Appendix 1 Price Return Indices list

(1)List of O/H/L/C covered indices

Index name	Index code	Available from
JPX-Nikkei Index 400	8507	(O/H/L/C)2014/1/6 (Closing Price)2006/8/31
TOPIX	0000	(O/H/L/C)1987/5/23 (Closing Price)1949/5/16
TOPIX Core30	0028	(O/H/L/C)1998/4/2 (Closing Price)1989/1/4
TOPIX Large70	0029	(O/H/L/C)1998/4/2 (Closing Price)1989/1/4
TOPIX 100	002A	(O/H/L/C)1998/4/2 (Closing Price)1989/1/4
TOPIX Mid400	002B	(O/H/L/C)1998/4/2 (Closing Price)1989/1/4
TOPIX 500	002C	(O/H/L/C)1998/4/2 (Closing Price)1989/1/4
TOPIX Small	002D	(O/H/L/C)1998/4/16 (Closing Price)1989/1/4
TOPIX 1000	002E	(O/H/L/C)2003/9/16 (Closing Price)1998/9/11
1st Section Large	0002	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
1st Section Mid	0003	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
1st Section Small	0004	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Fishery, Agriculture & Forestry	0040	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Mining	0041	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Construction	0042	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Foods	0043	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Textiles & Apparels	0044	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Pulp & Paper	0045	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Chemicals	0046	(O/H/L/C)1997/12/1 (Closing Price)1983/1/4
Pharmaceutical	0047	(O/H/L/C)1997/12/1 (Closing Price)1983/1/4
Oil & Coal Products	0048	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Rubber Products	0049	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Glass & Ceramics Products	004A	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Iron & Steel	004B	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Nonferrous Metals	004C	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Metal Products	004D	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Machinery	004E	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Electronic Appliances	004F	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Transportation Equipment	0050	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Precision Instruments	0051	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Other Products	0052	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Electric Power & Gas	0053	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Land Transportation	0054	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Marine Transportation	0055	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Air Transportation	0056	(O/H/L/C)1997/8/4 (Closing Price)1970/2/2
Warehousing & Harbor Transportation Service	0057	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Information & Communication	0058	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Wholesale Trade	0059	(O/H/L/C)1997/12/1 (Closing Price)1983/1/4
Retail Trade	005A	(O/H/L/C)1997/12/1 (Closing Price)1983/1/4
Banks	005B	(O/H/L/C)1997/12/1 (Closing Price)1983/1/4
Securities & Commodity Futures	005C	(O/H/L/C)1997/12/1 (Closing Price)1983/1/4
Insurance	005D	(O/H/L/C)1997/12/1 (Closing Price)1983/1/4
Other Financing Business	005E	(O/H/L/C)1997/12/1 (Closing Price)1983/1/4
Real Estate	005F	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4
Services	0060	(O/H/L/C)1997/8/4 (Closing Price)1968/1/4

TOPIX-17 FOODS	0080	(O/H/L/C)2007/12/10 (Closing Price)1993/7/5
TOPIX-17 ENERGY RESOURCES	0081	(O/H/L/C)2007/12/10 (Closing Price)1993/7/5
TOPIX-17 CONSTRUCTION & MATERIALS	0082	(O/H/L/C)2007/12/10 (Closing Price)1993/7/5
TOPIX-17 RAW MATERIALS & CHEMICALS	0083	(O/H/L/C)2007/12/10 (Closing Price)1993/7/5
TOPIX-17 PHARMACEUTICAL	0084	(O/H/L/C)2007/12/10 (Closing Price)1993/7/5
TOPIX-17 AUTOMOBILES & TRANSPORTATION EQUIPMENT	0085	(O/H/L/C)2007/12/10 (Closing Price)1993/7/5
TOPIX-17 STEEL & NONFERROUS METALS	0086	(O/H/L/C)2007/12/10 (Closing Price)1993/7/5
TOPIX-17 MACHINERY	0087	(O/H/L/C)2007/12/10 (Closing Price)1993/7/5
TOPIX-17 ELECTRIC APPLIANCES & PRECISION INSTRUMENTS	0088	(O/H/L/C)2007/12/10 (Closing Price)1993/7/5
TOPIX-17 IT & SERVICES, OTHERS	0089	(O/H/L/C)2007/12/10 (Closing Price)1993/7/5
TOPIX-17 ELECTRIC POWER & GAS	008A	(O/H/L/C)2007/12/10 (Closing Price)1993/7/5
TOPIX-17 TRANSPORTATION & LOGISTICS	008B	(O/H/L/C)2007/12/10 (Closing Price)1993/7/5
TOPIX-17 COMMERCIAL & WHOLESALE TRADE	008C	(O/H/L/C)2007/12/10 (Closing Price)1993/7/5
TOPIX-17 RETAIL TRADE	008D	(O/H/L/C)2007/12/10 (Closing Price)1993/7/5
TOPIX-17 BANKS	008E	(O/H/L/C)2007/12/10 (Closing Price)1993/7/5
TOPIX-17 FINANCIALS（EX BANKS）	008F	(O/H/L/C)2007/12/10 (Closing Price)1993/7/5
TOPIX-17 REAL ESTATE	0090	(O/H/L/C)2007/12/10 (Closing Price)1993/7/5
TOPIX Value	8100	(O/H/L/C)2007/12/10 (Closing Price)1999/11/1
TOPIX Growth	8200	(O/H/L/C)2009/2/9 (Closing Price)1999/11/1
TOPIX 500 Value	812C	(O/H/L/C)2009/2/9 (Closing Price)1999/11/1
TOPIX 500 Growth	822C	(O/H/L/C)2009/2/9 (Closing Price)1999/11/1
TOPIX Small Value	812D	(O/H/L/C)2009/2/9 (Closing Price)1999/11/1
TOPIX Small Growth	822D	(O/H/L/C)2009/2/9 (Closing Price)1999/11/1
Dividend Focus 100	8500	(O/H/L/C)2010/3/8 (Closing Price)2007/1/31
TOPIX Ex-Financials	8506	(O/H/L/C)2013/9/2 (Closing Price)1993/7/5
TOPIX Leveraged (2x) Index	1000	(O/H/L/C)2012/3/1 (Closing Price)2007/1/4
TOPIX Inverse (-1x) Index	1001	(O/H/L/C)2012/3/1 (Closing Price)2007/1/4
TOPIX Double Inverse (-2x) Index	1002	(O/H/L/C)2012/3/1 (Closing Price)2007/1/4
Second Section Stock Price Index	0001	(O/H/L/C)1997/8/4 (Closing Price)1961/10/2
Mothers	0070	(O/H/L/C)2003/9/16 (Closing Price)2001/4/2
Tokyo Stock Exchange Mothers Core Index	8505	2011/10/11
JASDAQ INDEX	0091	2013/7/16
JASDAQ INDEX (Standard)	0092	2013/7/16
JASDAQ INDEX (Growth)	0093	2013/7/16
J-Stock Index	0094	2013/7/16
JASDAQ-TOP20	1A00	2013/7/16
REIT	0075	(O/H/L/C)2003/9/16 (Closing Price)2003/4/1
Tokyo Stock Exchange REIT Office Index	8501	(O/H/L/C)2010/6/21 (Closing Price)2010/3/8
Tokyo Stock Exchange REIT Residential Index	8502	(O/H/L/C)2010/6/21 (Closing Price)2010/3/8
Tokyo Stock Exchange REIT Retail & Logistics, Others Index	8503	(O/H/L/C)2010/6/21 (Closing Price)2010/3/8
TOPIX Composite 1500	0076	2009/2/9
TOPIX Composite	0077	2009/2/9
Tokyo Stock Exchange Second Section Composite Index	0078	2009/2/9
Tokyo Stock Exchange Mothers Composite Index	0079	2009/2/9

(2)List of tick data covered indices

Index name	Index code	Available from
JPX-Nikkei Index 400	8507	2014/1/6
TOPIX	0000	1997/8/4
TOPIX Core30	0028	1998/4/2
TOPIX Large70	0029	1998/4/2
TOPIX 100	002A	1998/4/2
TOPIX Mid400	002B	1998/4/2
TOPIX 500	002C	1998/4/2
TOPIX Small	002D	1998/4/16
TOPIX 1000	002E	2003/9/16
1st Section Large	0002	1997/8/4
1st Section Mid	0003	1997/8/4
1st Section Small	0004	1997/8/4
Fishery, Agriculture & Forestry	0040	1997/8/4
Mining	0041	1997/8/4
Construction	0042	1997/8/4
Foods	0043	1997/8/4
Textiles & Apparels	0044	1997/8/4
Pulp & Paper	0045	1997/8/4
Chemicals	0046	1997/8/4
Pharmaceutical	0047	1997/8/4
Oil & Coal Products	0048	1997/8/4
Rubber Products	0049	1997/8/4
Glass & Ceramics Products	004A	1997/8/4
Iron & Steel	004B	1997/8/4
Nonferrous Metals	004C	1997/8/4
Metal Products	004D	1997/8/4
Machinery	004E	1997/8/4
Electronic Appliances	004F	1997/8/4
Transportation Equipment	0050	1997/8/4
Precision Instruments	0051	1997/8/4
Other Products	0052	1997/8/4
Electric Power & Gas	0053	1997/8/4
Land Transportation	0054	1997/8/4
Marine Transportation	0055	1997/8/4
Air Transportation	0056	1997/8/4
Warehousing & Harbor Transportation Service	0057	1997/8/4
Information & Communication	0058	1997/8/4
Wholesale Trade	0059	1997/8/4
Retail Trade	005A	1997/8/4
Banks	005B	1997/8/4
Securities & Commodity Futures	005C	1997/8/4
Insurance	005D	1997/8/4
Other Financing Business	005E	1997/8/4
Real Estate	005F	1997/8/4
Services	0060	1997/8/4
TOPIX-17 FOODS	0080	2007/12/10
TOPIX-17 ENERGY RESOURCES	0081	2007/12/10
TOPIX-17 CONSTRUCTION & MATERIALS	0082	2007/12/10
TOPIX-17 RAW MATERIALS & CHEMICALS	0083	2007/12/10
TOPIX-17 PHARMACEUTICAL	0084	2007/12/10
TOPIX-17 AUTOMOBILES & TRANSPORTATION EQUIPMENT	0085	2007/12/10
TOPIX-17 STEEL & NONFERROUS METALS	0086	2007/12/10
TOPIX-17 MACHINERY	0087	2007/12/10
TOPIX-17 ELECTRIC APPLIANCES & PRECISION INSTRUMENTS	0088	2007/12/10
TOPIX-17 IT & SERVICES, OTHERS	0089	2007/12/10
TOPIX-17 ELECTRIC POWER & GAS	008A	2007/12/10
TOPIX-17 TRANSPORTATION & LOGISTICS	008B	2007/12/10
TOPIX-17 COMMERCIAL & WHOLESALE TRADE	008C	2007/12/10
TOPIX-17 RETAIL TRADE	008D	2007/12/10
TOPIX-17 BANKS	008E	2007/12/10
TOPIX-17 FINANCIALS (EX BANKS)	008F	2007/12/10
TOPIX-17 REAL ESTATE	0090	2007/12/10
TOPIX Value	8100	2009/2/9
TOPIX Growth	8200	2009/2/9
TOPIX 500 Value	812C	2009/2/9
TOPIX 500 Growth	822C	2009/2/9
TOPIX Small Value	812D	2009/2/9
TOPIX Small Growth	822D	2009/2/9
Dividend Focus 100	8500	2010/3/8
TOPIX Active in Asia Index	8504	2011/10/11
TOPIX Ex-Financials	8506	2013/9/2
TOPIX Leveraged (2x) Index	1000	2012/3/1
TOPIX Inverse (-1x) Index	1001	2012/3/1
TOPIX Double Inverse (-2x) Index	1002	2012/3/1
Second Section Stock Price Index	0001	1997/8/4
Mothers	0070	2003/9/16
Tokyo Stock Exchange Mothers Core Index	8505	2011/10/11
JASDAQ INDEX	0091	2013/7/16
JASDAQ INDEX (Standard)	0092	2013/7/16
JASDAQ INDEX (Growth)	0093	2013/7/16
J-Stock Index	0094	2013/7/16
JASDAQ-TOP20	1A00	2013/7/16
REIT	0075	2003/9/16
Tokyo Stock Exchange REIT Office Index	8501	2010/6/21
Tokyo Stock Exchange REIT Residential Index	8502	2010/6/21
Tokyo Stock Exchange REIT Retail & Logistics, Others Index	8503	2010/6/21
TOPIX Composite 1500	0076	2009/2/9
TOPIX Composite	0077	2009/2/9
Tokyo Stock Exchange Second Section Composite Index	0078	2009/2/9
Tokyo Stock Exchange Mothers Composite Index	0079	2009/2/9

Appendix2 Total Return Indices List

Index name	Index code	Available from
JPX-Nikkei 400 Total Return Index Closing Price	B507	2006/8/31～
JPX-Nikkei 400 Net Total Return Index Closing Price	6096	2006/8/31～
JPX-Nikkei 400 Net Total Return EUR Hedged Index	–	2008/12/30～
JPX-Nikkei 400 Net Total Return USD Hedged Index	–	2008/12/30～
JPX-Nikkei 400 Net Total Return GBP Hedged Index	–	2008/12/30～
JPX-Nikkei 400 Net Total Return Daily EUR Hedged Index	–	2008/12/30～
JPX-Nikkei 400 Net Total Return Daily USD Hedged Index	–	2008/12/30～
JPX-Nikkei 400 Net Total Return Daily GBP Hedged Index	–	2008/12/30～
TOPIX (Total Return) Closing Price	6000	1989/1/4～
TOPIX Net Total Return Index Closing Price	6095	1989/1/4～
TOPIX Core30 (Total Return) Closing Price	6028	1993/7/5～
TOPIX Large70 (Total Return) Closing Price	6029	1993/7/5～
TOPIX 100 (Total Return) Closing Price	602A	1993/7/5～
TOPIX Mid400 (Total Return) Closing Price	602B	1993/7/5～
TOPIX 500 (Total Return) Closing Price	602C	1993/7/5～
TOPIX 1000 (Total Return) Closing Price	602D	1993/7/5～
TOPIX Small (Total Return) Closing Price	602E	1989/9/11～
1st Section Large (Total Return) Closing Price	6002	1993/7/5～
1st Section Mid (Total Return) Closing Price	6003	1993/7/5～
1st Section Small (Total Return) Closing Price	6004	1993/7/5～
Fishery, Agriculture & Forestry (Total Return) Closing Price	6040	1993/7/5～
Mining (Total Return) Closing Price	6041	1993/7/5～
Construction (Total Return) Closing Price	6042	1993/7/5～
Foods (Total Return) Closing Price	6043	1993/7/5～
Textiles & Apparels (Total Return) Closing Price	6044	1993/7/5～
Pulp & Paper (Total Return) Closing Price	6045	1993/7/5～
Chemicals (Total Return) Closing Price	6046	1993/7/5～
Pharmaceutical (Total Return) Closing Price	6047	1993/7/5～
Oil & Coal Products (Total Return) Closing Price	6048	1993/7/5～
Rubber Products (Total Return) Closing Price	6049	1993/7/5～
Glass & Ceramics Products (Total Return) Closing Price	604A	1993/7/5～
Iron & Steel (Total Return) Closing Price	604B	1993/7/5～
Nonferrous Metals (Total Return) Closing Price	604C	1993/7/5～
Metal Products (Total Return) Closing Price	604D	1993/7/5～
Machinery (Total Return) Closing Price	604E	1993/7/5～
Electronic Appliances (Total Return) Closing Price	604F	1993/7/5～
Transportation Equipment (Total Return) Closing Price	6050	1993/7/5～
Precision Instruments (Total Return) Closing Price	6051	1993/7/5～
Other Products (Total Return) Closing Price	6052	1993/7/5～
Electric Power & Gas (Total Return) Closing Price	6053	1993/7/5～
Land Transportation (Total Return) Closing Price	6054	1993/7/5～
Marine Transportation (Total Return) Closing Price	6055	1993/7/5～
Air Transportation (Total Return) Closing Price	6056	1993/7/5～
Warehousing & Harbor Transportation Service (Total Return) Closing Price	6057	1993/7/5～
Information & Communication (Total Return) Closing Price	6058	1993/7/5～
Wholesale Trade (Total Return) Closing Price	6059	1993/7/5～
Retail Trade (Total Return) Closing Price	605A	1993/7/5～
Banks (Total Return) Closing Price	605B	1993/7/5～
Securities & Commodity Futures (Total Return) Closing Price	605C	1993/7/5～
Insurance (Total Return) Closing Price	605D	1993/7/5～
Other Financing Business (Total Return) Closing Price	605E	1993/7/5～
Real Estate (Total Return) Closing Price	605F	1993/7/5～
Services (Total Return) Closing Price	6060	1993/7/5～
TOPIX-17 FOODS(Total Return) Closing Price	6080	1993/7/5～
TOPIX-17 ENERGY RESOURCES(Total Return) Closing Price	6081	1993/7/5～
TOPIX-17 CONSTRUCTION & MATERIALS(Total Return) Closing Price	6082	1993/7/5～
TOPIX-17 RAW MATERIALS & CHEMICALS(Total Return) Closing Price	6083	1993/7/5～
TOPIX-17 PHARMACEUTICAL(Total Return) Closing Price	6084	1993/7/5～
TOPIX-17 AUTOMOBILES & TRANSPORTATION EQUIPMENT(Total Return) Closing Price	6085	1993/7/5～
TOPIX-17 STEEL & NONFERROUS METALS(Total Return) Closing Price	6086	1993/7/5～
TOPIX-17 MACHINERY(Total Return) Closing Price	6087	1993/7/5～
TOPIX-17 ELECTRIC APPLIANCES & PRECISION INSTRUMENTS(Total Return) Closing Price	6088	1993/7/5～
TOPIX-17 IT & SERVICES, OTHERS(Total Return) Closing Price	6089	1993/7/5～
TOPIX-17 ELECTRIC POWER & GAS(Total Return) Closing Price	608A	1993/7/5～
TOPIX-17 TRANSPORTATION & LOGISTICS(Total Return) Closing Price	608B	1993/7/5～
TOPIX-17 COMMERCIAL & WHOLESALE TRADE(Total Return) Closing Price	608C	1993/7/5～
TOPIX-17 RETAIL TRADE(Total Return) Closing Price	608D	1993/7/5～
TOPIX-17 BANKS(Total Return) Closing Price	608E	1993/7/5～
TOPIX-17 FINANCIALS （EX BANKS)(Total Return) Closing Price	608F	1993/7/5～
TOPIX-17 REAL ESTATE(Total Return) Closing Price	6090	1993/7/5～
TOPIX Value(Total Return) Closing Price	B100	1999/11/1～
TOPIX 500 Value(Total Return) Closing Price	B200	1999/11/1～
TOPIX Small Value(Total Return) Closing Price	B12C	1999/11/1～
TOPIX Growth(Total Return) Closing Price	B22C	1999/11/1～
TOPIX 500 Growth(Total Return) Closing Price	B12D	1999/11/1～
TOPIX Small Growth(Total Return) Closing Price	B22D	1999/11/1～
Dividend Focus 100 (Total Return) Closing Price	B500	2007/1/31～
TOPIX Active in Asia Index(Total Return) Closing Price	B504	2011/10/11～
TOPIX Ex-Financials（Total Return) Closing Price	B402	1993/7/5～
TOPIX Risk Control Index(Target volatility:5%) Closing Price	–	1993/3/11～
TOPIX Risk Control Index(Target volatility:10%) Closing Price	–	1993/3/11～
TOPIX Risk Control Index(Target volatility:15%) Closing Price	–	1993/3/11～
TOPIX Total Return Euro Hedged Index Closing Price	–	2005/9/1～
TOPIX Total Return Euro Daily Hedged Index Closing Price	–	2005/9/1～
TOPIX Net Total Return US Dollar Hedged Index Closing Price	–	2005/9/1～
TOPIX Total Return Pound Hedged Inde Closing Price	–	2005/9/1～
TOPIX Total Return GBP Daily Hedged Index Closing Price	–	2005/9/1～
TOPIX Net Total Return Euro Hedged Index Closing Price	–	2005/9/1～
TOPIX Net Total Return US Dollar Hedged Index Closing Price	–	2005/9/1～
TOPIX Net Total Return Pound Hedged Index Closing Price	–	2005/9/1～
Second Section Stock Price Index (Total Return) Closing Price	6001	1993/7/5～
Mothers Index (Total Return) Closing Price	6070	2001/4/2～
Tokyo Stock Exchange Mothers Core Index (Total Return) Closing Price	B505	2011/10/11～
REIT Index (Total Return) Closing Price	6075	2003/4/1～
Tokyo Stock Exchange REIT Office Index(Total Return) Closing Price	B501	2010/3/8～
Tokyo Stock Exchange REIT Residential Index(Total Return) Closing Price	B502	2010/3/8～
Tokyo Stock Exchange REIT Retail & Logistics, Others Index(Total Return) Closing Price	B503	2010/3/8～
Total Return TOPIX Composite Closing Price	6077	2009/2/9～
Total Return TOPIX Composite 1500 Closing Price	6076	2009/2/9～
Total Return Tokyo Stock Exchange Second Section Composite Index Closing Price	6078	2009/2/9～
Total Return Tokyo Stock Exchange Mothers Composite Index Closing Price	6079	2009/2/9～

Appendix 3　Specification for 9 digit code

For further details of "(1)Identification Code Specifications for Futures and Options Transactions", please refer to "Identification Code Specifications for Futures and Options Transactions" of Securities Identification Code Committee.
For further details of "(2)Identification Code Specifications for Equity Options Transaction", please refer to "Identification Code Specifications for Equity Options Transaction" of Securities Identification Code Committee.

- Securities Identification Code Committee
https://www.jpx.co.jp/sicc/

(1)Identification Code Specifications for Futures and Options Transactions

【1st digit】
"1" is set to indicate special transactions (futures/options trading)

【2nd digit】 Futures/Options (Put/Call, spot/futures) Classification
Futures/options classification and, in the case of options, put/call and spot/futures distinction shall be as follows.

Classification	Code
Put options transaction (futures)	1 and 5
Call options transaction (futures)	2 and 7
Put options transaction (spot)	3 and 8
Call options transaction (spot)	4 and 9
Futures transaction	6

(Note) Codes "5", "7", "8", and "9" will be used as reserved codes if an issue (exercise price) is set additionally in index options trading, government bond futures options trading, etc. and the same code for "Exercise price, etc." has already been set within the same contract month.

【3rd to 5th digit】 Contract month
the 3rd digit･･･the number changes every 10 years based on the year 1985 as "0".
the 4th and 5th digit･･･contract month.
(Note1) For further information, please refere to "Identification Code Specifications for Futures and Options Transactions" of Securities Identification Code Committee (https://www.jpx.co.jp/sicc/sicc_en/index_en.html)
(Note2) For specific contract month code about Weekly Contracts (Weekly Options), please refer to "List of Contract Months Codes for Weekly Contracts".
https://www.jpx.co.jp/english/derivatives/products/domestic/225options/01.html#heading 2

【6th and 7th digit】 Exercise price, etc.
The exercise price will be coded as a 2-digit number.
For further information, please refere "Identification Code Specifications for Futures and Options Transactions" of Securities Identification Code Committee (https://www.jpx.co.jp/sicc/sicc_en/index_en.html)

【8th and 9th digit】 Segment for the underlying Index

Products	Index Segment	Products previously traded on OSE/TSE
TOPIX Futures	05	Previously traded on TSE
TOPIX Optins	05	Previously traded on TSE
mini-TOPIX Futures	06	Previously traded on TSE
TOPIX Dividend Index Futures	08	Previously traded on TSE
TSE Mothers Index Futures	11	After market integration
Nikkei 225 VI Futures	15	Previously traded on OSE
Nikkei 225 Dividend Index Futures	17	Previously traded on TSE
Nikkei 225 Futures (Large Contracts)	18	Previously traded on OSE
Nikkei 225 Options	18	Previously traded on OSE
Nikkei 225 Weekly Options	20	After market integration
Nikkei 225 mini	19	Previously traded on OSE
JPX-Nikkei Index 400 Futures	22	After market integration
JPX-Nikkei Index 400 Options	22	After market integration
TOPIX Banks Index Futures	32	Previously traded on TSE
TOPIX Core30 Futures	63	Previously traded on TSE
TOPIX Core30 Dividend Index Futures	64	Previously traded on TSE
TSE REIT Index Futures	69	Previously traded on TSE
DJIA Futures	73	Previously traded on OSE
RN Prime Index Futures	76	Previously traded on OSE
TAIEX Futures	78	After market integration
FTSE China 50 Index Futures	79	After market integration
10-year JGB Futures	01	Previously traded on TSE
Options on JGB Futures	01	Previously traded on TSE
20-year JGB Futures	02	Previously traded on TSE
5-year JGB Futures	04	Previously traded on TSE
mini-10 year JGB Futures	07	Previously traded on TSE

*Products previosuly traded on OSE means those started trading on Osaka Securities Exchange before market integration (March 24, 2014)
*Products previosuly traded on TSE means those started trading on Tokyo Stock Exchange before market integration (March 24, 2014)

(2)Identification Code Specifications for Equity Options Transaction

【1st digit】Put/call
Options "put"…"2"
Options "call"…"3"

【2nd and 3rd digit】Contract month
The contract month will be indicated and coded in a 4-year cycle as follows.

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1st year	Normal	01	02	03	04	05	06	07	08	09	10	11	12
	Reserved	51	52	53	54	55	56	57	58	59	60	61	62
2nd year	Normal	13	14	15	16	17	18	19	20	21	22	23	24
	Reserved	63	64	65	66	67	68	69	70	71	72	73	74
3rd year	Normal	25	26	27	28	29	30	31	32	33	34	35	36
	Reserved	75	76	77	78	79	80	81	82	83	84	85	86
4th year	Normal	37	38	39	40	41	42	43	44	45	46	47	48
	Reserved	87	88	89	90	91	92	93	94	95	96	97	98

Reserved codes will be used in cases where the number of "Exercise price" in a contract month exceeds "98".

【4th and 5th digit】Exercise price
Code numbers "01" to "98" will be allocated in sequence according to the order in which exercise prices are set, based on each exchange that lists the stock.
For further information, please refer "Identification Code Specifications for Equity Options Transaction" of Securities Identification Code Committee (https://www.jpx.co.jp/sicc/sicc_en/index_en.html)

【6th to 9th digit】Underlying stock
The underlying stock for the options transaction will be indicated using the specific name code (4-digit stock issue code) of the stock.
The same shall apply to cases where the underlying issue is a domestic investment securities, preferred equity investment securities, investment trust beneficiary certificates, etc..

Appendix4 Sector code

Sector code	Sector classification
0050	Fishery, Agriculture & Forestry
1050	Mining
2050	Construction
3050	Foods
3100	Textiles & Apparels
3150	Pulp & Paper
3200	Chemicals
3250	Pharmaceutical
3300	Oil & Coal Products
3350	Rubber Products
3400	Glass & Ceramics Products
3450	Iron & Steel
3500	Nonferrous Metals
3550	Metal Products
3600	Machinery
3650	Electric Appliances
3700	Transportation Equipment
3750	Precision Instruments
3800	Other Products
4050	Electric Power & Gas
5050	Land Transportation
5100	Marine Transportation
5150	Air Transportation
5200	Warehousing & Harbor Transportation Services
5250	Information & Communication
6050	Wholesale Trade
6100	Retail Trade
7050	Banks
7100	Securities & Commodity Futures
7150	Insurance
7200	Other Financing Business
8050	Real Estate
9050	Services