TICK DATA

**End of Day Update Product**

Welcome to Tick Data's end of day update product.  Your access instructions are as follows:

**US Updates:**
*ftp location:* ***aptick2.nexatech.com***
*username:* ***xxxxxxxxxx***
*password:* ***xxxxxxxxxx***
*email notifications will be sent to:* xxxxxxxxxxxxxxxxxxxxxxxxxxxxx

*Contact for connectivity questions: nmiles@tickdata.com.*

Tick Data's end-of-day update product offers you the ability to download trade and quote data via ftp download. Update files are structured nearly identically to existing data files that have been provided to you via your initial order or month-end updates.

Our update service offers the ability to download data from two different sources, collected data and exchange data. At approximately 6:30 p.m. same day, data sourced from our ticker plant ("Collected Data") will be available for downloading. At 5:30 a.m. the following morning data sourced from TAQ ("Exchange Data") will be available for downloading. Both sets of data have been through our value added processes of data filtering and symbol mapping. Once all data processing has been completed data for your symbol set will be added to your directory on our server and an email will be sent to you. You are authorized to download data from either, or both, sources and are encouraged to use an ftp client that synchronizes to your directory on our server.

Your download files are named as follows: *YYYY_MM_DD_source_type* where:

source: C = Collected via ticker plant, X=Exchange (TAQ)
type: T=Trades, Q=Quotes

| | |
|---|---|
| 2006_04_17_C_T.zip | 2006_04_17_X_T.zip |
| 2006_04_17_C_Q.zip | 2006_04_17_X_Q.zip |

The most recent 30 days of data will be left on our servers for you.

Each set of data is supported with corporate action data. Corporate action files are named in the format "2006_04_17_CorpAction.zip" and contain the following:

- A file (CompanyInfo.asc) that maps files named by Tick Data's internal ID number to current symbol, company name, and current cusip.

- A file (StockSplits.csv) that contains stock splits and stock dividends by ID.
- A file (CashDividends.csv) that contains cash dividends by ID.
- A file (Events.csv) that discloses symbol changes. For example, assume CSCO (ID# 1900) changed its symbol to XXX. The data file would be continue to be called 1900.zip and the CompanyInfo.asc file would map 1900 to XXX rather than CSCO. The file Events.csv would disclose the event in the form of "1900, CSCO, XXX, [effective data of symbol change]".

Corporate actions are provided on a start of next day basis. For example, stock splits, cash dividends, and symbol changes with an effective data of 04/18/2006 will be reported in the CorpAction file delivered with April 17th's 6:30 p.m. Collected data and April 18th's 5:00 a.m. Exchange Data. This will enable you to map real time data on the 18th to our historical data.

There are slight differences between Collected files and TAQ files. TAQ quotes for example are best bid/best offer per exchange. This is not a market data feed that can be subscribed to directly. It can, however, be derived as per Exhibit A. TAQ also includes events posted to the tape out of sequence. These events are not typically reported through real time direct connections and hence, are not in the Collected feed. Refer to Exhibit B for an explanation of differences in collected and exchange trade data files.

We recommend a best practice of using Collected data for operations that are required to run overnight such as model re-optimization and post-trade analysis. These could also be run using the Exchange data, provided your process can begin at roughly 5:00 a.m. and be completed by market opening. We recommend using the Exchange files for appending to your database of deep history used for model design and development.

# Exhibit A
# Quote Data

## TAQ File

*Color codes match records between the two files*

ID739_2006_04_10_TAQ_Quotes.xls

| | B | C | D | E | F | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|
| 7253 | 10:00:01.119 | C | 40.4 | 40.42 | 11 | 5 | R | | |
| 7254 | 10:00:01.212 | T | 40.4 | 40.41 | 11 | 2 | R | | |
| 7255 | 10:00:01.214 | T | 40.4 | 40.41 | 13 | 2 | R | | |
| 7256 | 10:00:01.407 | T | 40.4 | 40.41 | 11 | 2 | R | | |
| 7257 | 10:00:01.506 | T | 40.4 | 40.41 | 12 | 2 | R | | |
| 7258 | 10:00:01.566 | T | 40.4 | 40.41 | 13 | 2 | R | | |
| 7259 | 10:00:02.106 | T | 40.4 | 40.41 | 17 | 2 | R | | |
| 7260 | 10:00:02.868 | P | 40.4 | 40.42 | 8 | 1 | R | | |
| 7261 | 10:00:03.912 | T | 40.4 | 40.41 | 13 | 2 | R | | |

Data

## Nexa's Ticker Plant File

ID739_2006_04_10_NEXA_MMQuotes.xls

| | B | C | D | E | F | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|
| 14206 | 10:00:01.212 | T | 40.4 | 40.41 | 11 | 2 | | NAS | |
| 14207 | 10:00:01.214 | T | 40.4 | 40.41 | 13 | 2 | | NAS | |
| 14208 | 10:00:01.407 | T | 40.4 | 40.41 | 11 | 2 | | NAS | |
| 14209 | 10:00:01.506 | T | 40.4 | 40.41 | 12 | 2 | | NAS | |
| 14210 | 10:00:01.566 | T | 40.4 | 40.41 | 13 | 2 | | NAS | |
| 14211 | 10:00:02.085 | T | 40.4 | 40.42 | 8 | 1 | | BRUT | |
| 14212 | 10:00:02.099 | T | 40.4 | 40.41 | 17 | 5 | | | |
| 14213 | 10:00:02.106 | T | 40.4 | 40.41 | 17 | 2 | | NAS | |
| 14214 | 10:00:02.868 | P | 40.4 | 40.42 | 8 | 1 | | PSE | |
| 14215 | 10:00:03.132 | T | 40.4 | 40.42 | 4 | 1 | | BRUT | |
| 14216 | 10:00:03.754 | T | 40.4 | 40.41 | 13 | 5 | | | |
| 14217 | 10:00:03.912 | T | 40.4 | 40.41 | 13 | 2 | | NAS | |
| 14218 | 10:00:04.064 | C | 40.4 | 40.42 | 10 | 5 | | | |
| 14219 | 10:00:04.065 | C | 40.4 | 40.42 | 10 | 6 | | | |
| 14220 | 10:00:04.366 | T | 40.4 | 40.42 | 7 | 1 | | BOFA | |
| 14221 | 10:00:04.516 | P | 40.4 | 40.42 | 2 | 1 | | | |

Data

TAQ consists of Best Bid / Best Offer per exchange, i.e. NASDAQ's UTP or SIP feed. Nexa includes these quotes but also incorporates market maker quotes (NQDS feed) that includes top of book per market maker. Hence, TAQ is a subset of the Nexa file where Nexa's MMID = an exchange. These codes are ASE, BSE, CIN, NAS, PSE.

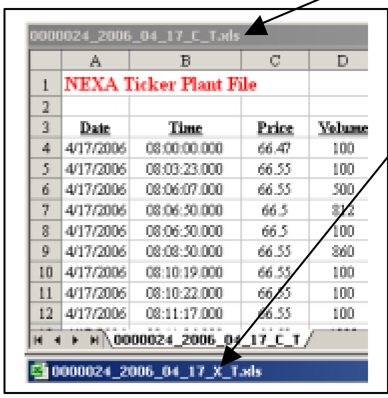
These quotes are not in TAQ because they come from a market marker or, where blank, from Nexa's own NBBO calculation.

Nexa's Collected file includes more quotes than is in TAQ since the Collected file includes all Level 1 quotes, not just Best Bid/Best Offer per Exchange as does TAQ.

# Exhibit B
# Trade Data

File Naming Convention:
XXXXXXX_YYYY_MM_DD_Source_Type    where:

XXXXXXX = Company ID zero padded to 7 characters.
Source: C=Nexa's Ticker Plant, X=Exchange (TAQ)
Type: T=Trades, Q=Quotes


0000024_2006_04_17_C_T.xls

| | A | B | C | D |
|---|---|---|---|---|
| 1 | NEXA Ticker Plant File | | | |
| 2 | | | | |
| 3 | Date | Time | Price | Volume |
| 4 | 4/17/2006 | 08:00:00.000 | 66.47 | 100 |
| 5 | 4/17/2006 | 08:03:23.000 | 66.55 | 100 |
| 6 | 4/17/2006 | 08:06:07.000 | 66.55 | 500 |
| 7 | 4/17/2006 | 08:06:50.000 | 66.5 | 812 |
| 8 | 4/17/2006 | 08:06:50.000 | 66.5 | 100 |
| 9 | 4/17/2006 | 08:08:50.000 | 66.55 | 860 |
| 10 | 4/17/2006 | 08:10:19.000 | 66.55 | 100 |
| 11 | 4/17/2006 | 08:10:22.000 | 66.55 | 100 |
| 12 | 4/17/2006 | 08:11:17.000 | 66.55 | 100 |

0000024_2006_04_17_C_T

0000024_2006_04_17_X_T.xls

TAQ includes several fields that are not available via real time feeds and hence, are not in the Nexa file. However, we have used comma delimiters to maintain consistency between the two formats. We have modified Nexa's exchange codes to agree with those used in TAQ.

*NOTE: Please refer to Tick Data's document "File Format Overview v2.2.pdf" for a detailed explanation of each trade and quote field.*