



# JOHANNESBURG STOCK EXCHANGE

## Currency Derivatives

### CURRENCY FUTURES DAILY TRADE INFORMATION FOR 05-April-2019

| DATE          | CONTRACT     |            | OPEN INT      | MTM       | PREV MTM  | HIGH   | LOW    | DAILY VOLUME | CUMULATIVE VOLUME        |
|---------------|--------------|------------|---------------|-----------|-----------|--------|--------|--------------|--------------------------|
| <b>Future</b> |              |            |               |           |           |        |        |              |                          |
| Apr 2019      | DAEU         | Future     | 4             | 15.8147   | 15.8666   | 0.0000 | 0.0000 | 0            | 0.00                     |
| Apr 2019      | DAEU         | Future     | 1             | 15.8500   | 15.9024   | 0.0000 | 0.0000 | 0            | 0.00                     |
| May 2019      | DAEU         | Future     | 2             | 15.9630   | 16.0158   | 0.0000 | 0.0000 | 0            | 0.00                     |
|               |              |            | <u>7</u>      |           |           |        |        | <i>0.00</i>  | <i>0.00</i>              |
|               |              |            |               |           |           |        |        |              | <i>816 216.00</i>        |
|               |              |            |               |           |           |        |        |              | <i>12 205 897 911.20</i> |
| <b>Option</b> |              |            |               |           |           |        |        |              |                          |
| Feb 2020      | DAEU         | 16.65 Call | 21,000        | 1002.8466 | 1039.0660 | 0.0000 | 0.0000 | 0            | 0.00                     |
| Feb 2020      | DAEU         | 16.91 Call | 15,000        | 895.8802  | 930.0604  | 0.0000 | 0.0000 | 0            | 0.00                     |
| Feb 2020      | DAEU         | 17.00 Call | 15,000        | 861.7112  | 895.1239  | 0.0000 | 0.0000 | 0            | 0.00                     |
| Feb 2020      | DAEU         | 17.07 Call | 15,000        | 836.0611  | 868.8760  | 0.0000 | 0.0000 | 0            | 0.00                     |
|               |              |            | <u>66,000</u> |           |           |        |        | <i>0.00</i>  | <i>0.00</i>              |
|               |              |            |               |           |           |        |        |              | <i>1 812 387.00</i>      |
|               |              |            |               |           |           |        |        |              | <i>0.00</i>              |
|               | <b>Total</b> |            | <b>66,007</b> |           |           |        |        | <b>0.00</b>  | <b>0.00</b>              |
|               |              |            |               |           |           |        |        |              | <b>2 628 603.00</b>      |
|               |              |            |               |           |           |        |        |              | <b>12 205 897 911.20</b> |
| <b>Future</b> |              |            |               |           |           |        |        |              |                          |
| Apr 2019      | DAGB         | Future     | 43            | 18.3306   | 18.5032   | 0.0000 | 0.0000 | 0            | 0.00                     |
| Apr 2019      | DAGB         | Future     | 120           | 18.3648   | 18.5381   | 0.0000 | 0.0000 | 0            | 0.00                     |
| Apr 2019      | DAGB         | Future     | 27            | 18.3741   | 18.5483   | 0.0000 | 0.0000 | 0            | 0.00                     |
| May 2019      | DAGB         | Future     | 91            | 18.4735   | 18.6478   | 0.0000 | 0.0000 | 0            | 0.00                     |
|               |              |            | <u>281</u>    |           |           |        |        | <i>0.00</i>  | <i>0.00</i>              |
|               |              |            |               |           |           |        |        |              | <i>67 179.00</i>         |
|               |              |            |               |           |           |        |        |              | <i>1 127 353 682.20</i>  |
|               | <b>Total</b> |            | <b>281</b>    |           |           |        |        | <b>0.00</b>  | <b>0.00</b>              |
|               |              |            |               |           |           |        |        |              | <b>274 492.00</b>        |
|               |              |            |               |           |           |        |        |              | <b>1 127 353 682.20</b>  |
| <b>Future</b> |              |            |               |           |           |        |        |              |                          |
| Apr 2019      | DAUS         | Future     | 0             | 14.0858   | 14.1164   | 0.0000 | 0.0000 | 35,053       | 493,748,710.00           |
| Apr 2019      | DAUS         | Future     | 1,883         | 14.0769   | 14.1334   | 0.0000 | 0.0000 | 53           | 746,441.40               |
| Apr 2019      | DAUS         | Future     | 349           | 14.0953   | 14.1522   | 0.0000 | 0.0000 | 0            | 0.00                     |
| Apr 2019      | DAUS         | Future     | 15            | 14.1003   | 14.1578   | 0.0000 | 0.0000 | 0            | 0.00                     |
| Apr 2019      | DAUS         | Future     | 4,563         | 14.1020   | 14.1597   | 0.0000 | 0.0000 | 48           | 677,678.40               |
| May 2019      | DAUS         | Future     | 303           | 14.1138   | 14.1721   | 0.0000 | 0.0000 | 0            | 0.00                     |
| May 2019      | DAUS         | Future     | 25,000        | 14.1171   | 14.1754   | 0.0000 | 0.0000 | 0            | 0.00                     |
| May 2019      | DAUS         | Future     | 93            | 14.1239   | 14.1819   | 0.0000 | 0.0000 | 0            | 0.00                     |
| May 2019      | DAUS         | Future     | 4,322         | 14.1272   | 14.1852   | 0.0000 | 0.0000 | 0            | 0.00                     |

| <u>DATE</u>   | <u>CONTRACT</u> |            | <u>OPEN INT</u> | <u>MTM</u> | <u>PREV MTM</u> | <u>HIGH</u> | <u>LOW</u> | <u>DAILY VOLUME</u> | <u>CUMULATIVE VOLUME</u> |                      |                           |
|---------------|-----------------|------------|-----------------|------------|-----------------|-------------|------------|---------------------|--------------------------|----------------------|---------------------------|
| May 2019      | DAUS            | Future     | 387             | 14.1508    | 14.2081         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| May 2019      | DAUS            | Future     | 452             | 14.1541    | 14.2114         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Jun 2019      | DAUS            | Future     | 74              | 14.1609    | 14.2180         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Jun 2019      | DAUS            | Future     | 2,421           | 14.2015    | 14.2589         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Jul 2019      | DAUS            | Future     | 55              | 14.2066    | 14.2640         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Jul 2019      | DAUS            | Future     | 1,029           | 14.2572    | 14.3156         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Aug 2019      | DAUS            | Future     | 55              | 14.2589    | 14.3173         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Aug 2019      | DAUS            | Future     | 2,229           | 14.3085    | 14.3673         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Sep 2019      | DAUS            | Future     | 55              | 14.3136    | 14.3725         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Sep 2019      | DAUS            | Future     | 74              | 14.3171    | 14.3759         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Sep 2019      | DAUS            | Future     | 3,757           | 14.3325    | 14.3915         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Sep 2019      | DAUS            | Future     | 98              | 14.3616    | 14.4210         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Oct 2019      | DAUS            | Future     | 55              | 14.3651    | 14.4245         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Oct 2019      | DAUS            | Future     | 153             | 14.4161    | 14.4746         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Nov 2019      | DAUS            | Future     | 97              | 14.4656    | 14.5263         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Dec 2019      | DAUS            | Future     | 55              | 14.4706    | 14.5317         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Dec 2019      | DAUS            | Future     | 321             | 14.4740    | 14.5353         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Dec 2019      | DAUS            | Future     | 45              | 14.5215    | 14.5832         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Jan 2020      | DAUS            | Future     | 55              | 14.5251    | 14.5867         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Jan 2020      | DAUS            | Future     | 55              | 14.5773    | 14.6383         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Feb 2020      | DAUS            | Future     | 3,500           | 14.6283    | 14.6890         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Mar 2020      | DAUS            | Future     | 55              | 14.6337    | 14.6945         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Apr 2020      | DAUS            | Future     | 55              | 14.6882    | 14.7503         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Apr 2020      | DAUS            | Future     | 55              | 14.7374    | 14.8023         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Jun 2020      | DAUS            | Future     | 1,055           | 14.7997    | 14.8682         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Jul 2020      | DAUS            | Future     | 84,000          | 14.9053    | 14.9747         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
|               |                 |            | <u>136,770</u>  |            |                 |             |            | <u>35,154.00</u>    | <u>495,172,829.80</u>    | <u>12 056 750.00</u> | <u>150 255 557 733.10</u> |
| <b>Option</b> |                 |            |                 |            |                 |             |            |                     |                          |                      |                           |
| Apr 2019      | DAUS            | 14.40 Call | 20,000          | 42.9743    | 63.7202         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Apr 2019      | DAUS            | 14.44 Call | 60,000          | 36.5418    | 55.1234         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Apr 2019      | DAUS            | 14.45 Call | 40,000          | 35.0756    | 53.1375         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Apr 2019      | DAUS            | 14.20 Call | 25,000          | 126.2229   | 160.4996        | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Apr 2019      | DAUS            | 14.50 Call | 50,000          | 52.2056    | 73.1559         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Apr 2019      | DAUS            | 14.55 Call | 25,000          | 44.7507    | 63.8075         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Apr 2019      | DAUS            | 13.00 Put  | 3,000           | 3.9908     | 4.3710          | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Apr 2019      | DAUS            | 13.49 Call | 2,500           | 629.5998   | 686.8033        | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Apr 2019      | DAUS            | 13.95 Put  | 734             | 131.6539   | 119.9846        | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Apr 2019      | DAUS            | 14.20 Call | 734             | 165.8525   | 200.0681        | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Apr 2019      | DAUS            | 14.20 Put  | 250             | 263.8525   | 240.3681        | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Apr 2019      | DAUS            | 14.25 Put  | 250             | 296.4186   | 270.8427        | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Apr 2019      | DAUS            | 14.45 Call | 734             | 94.0091    | 118.2773        | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |
| Apr 2019      | DAUS            | 14.84 Call | 500             | 37.0076    | 50.3479         | 0.0000      | 0.0000     | 0                   | 0.00                     |                      |                           |

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|-------------|-----------------|------------|-----------------|------------|-----------------|-------------|------------|---------------------|--------------------------|
| Apr 2019    | DAUS            | 15.61 Call | 250             | 4.2893     | 6.0371          | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Apr 2019    | DAUS            | 15.96 Call | 250             | 2.0593     | 2.9009          | 0.0000      | 0.0000     | 0                   | 0.00                     |
| May 2019    | DAUS            | 13.75 Put  | 22,000          | 86.0453    | 0.0000          | 0.0000      | 0.0000     | 44,000              | 0.00                     |
| May 2019    | DAUS            | 13.72 Call | 50,000          | 482.8356   | 534.2687        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| May 2019    | DAUS            | 14.20 Call | 50,000          | 213.0183   | 246.8353        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| May 2019    | DAUS            | 14.25 Call | 61,000          | 252.1799   | 284.3078        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| May 2019    | DAUS            | 15.25 Call | 40,000          | 54.6323    | 65.5880         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| May 2019    | DAUS            | 15.50 Call | 21,000          | 37.2063    | 45.3138         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| May 2019    | DAUS            | 13.00 Put  | 500             | 21.8651    | 18.6764         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| May 2019    | DAUS            | 14.20 Put  | 250             | 372.2252   | 348.0686        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| May 2019    | DAUS            | 14.25 Put  | 250             | 402.4028   | 376.9929        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| May 2019    | DAUS            | 15.01 Call | 500             | 114.7787   | 130.9903        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| May 2019    | DAUS            | 15.79 Call | 250             | 38.4944    | 47.7195         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| May 2019    | DAUS            | 16.15 Call | 250             | 20.9498    | 28.0075         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | DAUS            | 13.83 Put  | 45,000          | 217.0400   | 203.0744        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | DAUS            | 14.06 Put  | 18,000          | 319.6761   | 301.1361        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | DAUS            | 14.15 Put  | 18,000          | 366.1820   | 345.7692        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | DAUS            | 14.25 Put  | 18,000          | 424.7058   | 399.3815        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | DAUS            | 13.00 Put  | 500             | 44.8688    | 42.1537         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | DAUS            | 14.02 Put  | 29,000          | 334.4312   | 317.0413        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | DAUS            | 14.20 Put  | 250             | 427.1466   | 406.3438        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | DAUS            | 14.25 Put  | 250             | 456.3896   | 433.3167        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | DAUS            | 15.17 Call | 500             | 160.6401   | 179.0204        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | DAUS            | 15.33 Call | 29,000          | 136.7849   | 153.0678        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | DAUS            | 15.96 Call | 250             | 71.9647    | 82.5746         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | DAUS            | 16.32 Call | 250             | 49.8301    | 57.8676         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jul 2019    | DAUS            | 13.00 Put  | 500             | 74.1533    | 69.6570         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jul 2019    | DAUS            | 14.20 Put  | 250             | 477.9108   | 456.4361        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jul 2019    | DAUS            | 14.25 Put  | 250             | 505.3953   | 483.1114        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jul 2019    | DAUS            | 15.34 Call | 500             | 207.9017   | 227.0836        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jul 2019    | DAUS            | 16.14 Call | 250             | 108.8037   | 120.7566        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jul 2019    | DAUS            | 16.50 Call | 250             | 81.8114    | 91.3439         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Aug 2019    | DAUS            | 14.48 Put  | 3,147           | 661.1759   | 633.9151        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Aug 2019    | DAUS            | 16.35 Call | 3,147           | 110.1723   | 121.5005        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Aug 2019    | DAUS            | 13.00 Put  | 500             | 99.4664    | 93.6542         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Aug 2019    | DAUS            | 14.20 Put  | 250             | 515.9594   | 493.7519        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Aug 2019    | DAUS            | 14.25 Put  | 250             | 543.1469   | 520.2131        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Aug 2019    | DAUS            | 15.52 Call | 500             | 241.2005   | 259.8762        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Aug 2019    | DAUS            | 16.33 Call | 250             | 137.3764   | 149.7637        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Aug 2019    | DAUS            | 16.70 Call | 250             | 107.1957   | 117.3546        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | DAUS            | 19.00 Call | 20,000          | 36.5419    | 42.9333         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | DAUS            | 13.00 Put  | 500             | 123.3478   | 116.3596        | 0.0000      | 0.0000     | 0                   | 0.00                     |

| DATE          | CONTRACT |            | OPEN INT       | MTM      | PREV MTM | HIGH   | LOW    | DAILY VOLUME     | CUMULATIVE VOLUME     |                      |                           |
|---------------|----------|------------|----------------|----------|----------|--------|--------|------------------|-----------------------|----------------------|---------------------------|
| Sep 2019      | DAUS     | 14.20 Put  | 250            | 547.4642 | 524.6335 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Sep 2019      | DAUS     | 14.25 Put  | 250            | 574.3711 | 550.8698 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Sep 2019      | DAUS     | 15.68 Call | 500            | 274.3240 | 292.7167 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Sep 2019      | DAUS     | 16.50 Call | 250            | 165.7034 | 178.5071 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Sep 2019      | DAUS     | 16.89 Call | 250            | 131.8019 | 142.5130 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Oct 2019      | DAUS     | 13.00 Put  | 500            | 144.7307 | 138.1274 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Oct 2019      | DAUS     | 14.20 Put  | 250            | 575.6584 | 553.9406 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Oct 2019      | DAUS     | 14.25 Put  | 250            | 602.4004 | 580.0878 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Oct 2019      | DAUS     | 15.87 Call | 500            | 302.1978 | 321.0401 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Oct 2019      | DAUS     | 16.70 Call | 250            | 191.1375 | 204.6557 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Oct 2019      | DAUS     | 17.09 Call | 250            | 155.9208 | 167.4489 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Nov 2019      | DAUS     | 13.00 Put  | 500            | 162.9687 | 155.6635 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Nov 2019      | DAUS     | 14.20 Put  | 250            | 598.3606 | 576.6130 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Nov 2019      | DAUS     | 14.25 Put  | 250            | 624.9889 | 602.6538 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Nov 2019      | DAUS     | 16.03 Call | 500            | 326.6483 | 347.0852 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Nov 2019      | DAUS     | 16.87 Call | 250            | 214.0915 | 228.7585 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Nov 2019      | DAUS     | 17.26 Call | 250            | 177.8972 | 190.5044 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Dec 2019      | DAUS     | 13.00 Put  | 500            | 181.1662 | 172.8846 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Dec 2019      | DAUS     | 14.20 Put  | 250            | 619.4715 | 598.5080 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Dec 2019      | DAUS     | 14.25 Put  | 250            | 645.9232 | 624.3903 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Dec 2019      | DAUS     | 16.21 Call | 500            | 350.4975 | 371.9902 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Dec 2019      | DAUS     | 17.05 Call | 250            | 238.3122 | 254.1999 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Dec 2019      | DAUS     | 17.44 Call | 250            | 201.2890 | 215.1310 | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
|               |          |            | <u>672,496</u> |          |          |        |        | <u>44,000.00</u> | <u>0.00</u>           | <u>24 509 894.00</u> | <u>0.00</u>               |
| <b>Total</b>  |          |            | <b>809,266</b> |          |          |        |        | <b>79,154.00</b> | <b>495,172,829.80</b> | <b>36 566 644.00</b> | <b>150 255 557 733.10</b> |
| <b>Future</b> |          |            |                |          |          |        |        |                  |                       |                      |                           |
| Jun 2019      | EUUS     | Future     | 5              | 1.1291   | 1.1283   | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Sep 2019      | EUUS     | Future     | 143            | 1.1380   | 1.1371   | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
|               |          |            | <u>148</u>     |          |          |        |        | <u>0.00</u>      | <u>0.00</u>           | <u>746 137.00</u>    | <u>8 464 558 774.00</u>   |
| <b>Total</b>  |          |            | <b>148</b>     |          |          |        |        | <b>0.00</b>      | <b>0.00</b>           | <b>746 137.00</b>    | <b>8 464 558 774.00</b>   |
| <b>Future</b> |          |            |                |          |          |        |        |                  |                       |                      |                           |
| Jun 2019      | GBUS     | Future     | 5              | 1.3061   | 1.3131   | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
|               |          |            | <u>5</u>       |          |          |        |        | <u>0.00</u>      | <u>0.00</u>           | <u>176 170.00</u>    | <u>2 268 656 737.00</u>   |
| <b>Total</b>  |          |            | <b>5</b>       |          |          |        |        | <b>0.00</b>      | <b>0.00</b>           | <b>176 170.00</b>    | <b>2 268 656 737.00</b>   |
| <b>Future</b> |          |            |                |          |          |        |        |                  |                       |                      |                           |
| Jun 2019      | ZAAD     | Future     | 15,806         | 10.0866  | 10.1372  | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Sep 2019      | ZAAD     | Future     | 1,731          | 10.2199  | 10.2721  | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |
| Dec 2019      | ZAAD     | Future     | 400            | 10.3485  | 10.4021  | 0.0000 | 0.0000 | 0                | 0.00                  |                      |                           |

| DATE   | CONTRACT |      | OPEN INT     | MTM            | PREV MTM | HIGH     | LOW     | DAILY VOLUME | CUMULATIVE VOLUME |                      |                   |                    |
|--------|----------|------|--------------|----------------|----------|----------|---------|--------------|-------------------|----------------------|-------------------|--------------------|
|        |          |      | 17,937       |                |          |          |         | 0.00         | 0.00              | 3 874 344.00         | 33 983 842 868.50 |                    |
| Option |          |      |              |                |          |          |         |              |                   |                      |                   |                    |
|        | Dec 2019 | ZAAD | 11.00 Call   | 1,000          | 215.5191 | 233.1251 | 0.0000  | 0.0000       | 0                 | 0.00                 |                   |                    |
|        |          |      |              | 1,000          |          |          |         |              | 0.00              | 0.00                 | 34 377.00         | 0.00               |
|        |          |      | <b>Total</b> | <b>18,937</b>  |          |          |         |              | <b>0.00</b>       | <b>0.00</b>          | 3 908 721.00      | 33 983 842 868.50  |
| Future |          |      |              |                |          |          |         |              |                   |                      |                   |                    |
|        | Jun 2019 | ZACA | Future       | 2,600          | 10.6213  | 10.6804  | 0.0000  | 0.0000       | 0                 | 0.00                 |                   |                    |
|        | Sep 2019 | ZACA | Future       | 1,165          | 10.7642  | 10.8249  | 10.8011 | 10.7997      | 750               | 8,100,450.00         |                   |                    |
|        |          |      |              | 3,765          |          |          |         |              | 750.00            | 8,100,450.00         | 157 848.00        | 1 572 976 480.10   |
|        |          |      | <b>Total</b> | <b>3,765</b>   |          |          |         |              | <b>750.00</b>     | <b>8,100,450.00</b>  | 157 848.00        | 1 572 976 480.10   |
| Future |          |      |              |                |          |          |         |              |                   |                      |                   |                    |
|        | Jun 2019 | ZADK | Future       | 485            | 2.1454   | 2.1526   | 0.0000  | 0.0000       | 0                 | 0.00                 |                   |                    |
|        |          |      |              | 485            |          |          |         |              | 0.00              | 0.00                 | 14 560.00         | 314 568 939.00     |
|        |          |      | <b>Total</b> | <b>485</b>     |          |          |         |              | <b>0.00</b>       | <b>0.00</b>          | 14 560.00         | 314 568 939.00     |
| Future |          |      |              |                |          |          |         |              |                   |                      |                   |                    |
|        | Jun 2019 | ZAEU | Future       | 120,634        | 16.0087  | 16.0614  | 16.0110 | 16.0110      | 1,010             | 16,210,910.00        |                   |                    |
|        | Sep 2019 | ZAEU | Future       | 42,836         | 16.3161  | 16.3708  | 0.0000  | 0.0000       | 0                 | 0.00                 |                   |                    |
|        | Dec 2019 | ZAEU | Future       | 32,686         | 16.6081  | 16.6657  | 0.0000  | 0.0000       | 0                 | 0.00                 |                   |                    |
|        | Mar 2020 | ZAEU | Future       | 4,361          | 16.9313  | 16.9885  | 0.0000  | 0.0000       | 0                 | 0.00                 |                   |                    |
|        |          |      |              | 200,517        |          |          |         |              | 1,010.00          | 16,210,910.00        | 16 697 359.00     | 242 262 128 180.70 |
| Option |          |      |              |                |          |          |         |              |                   |                      |                   |                    |
|        | Jun 2019 | ZAEU | 15.35 Put    | 570            | 141.4480 | 132.4434 | 0.0000  | 0.0000       | 0                 | 0.00                 |                   |                    |
|        | Jun 2019 | ZAEU | 16.64 Call   | 300            | 210.2792 | 230.2446 | 0.0000  | 0.0000       | 0                 | 0.00                 |                   |                    |
|        | Jun 2019 | ZAEU | 16.73 Put    | 500            | 912.0256 | 877.9371 | 0.0000  | 0.0000       | 0                 | 0.00                 |                   |                    |
|        | Sep 2019 | ZAEU | 15.62 Put    | 14,429         | 315.4141 | 301.3912 | 0.0000  | 0.0000       | 0                 | 0.00                 |                   |                    |
|        | Sep 2019 | ZAEU | 15.85 Put    | 587            | 410.1320 | 393.4530 | 0.0000  | 0.0000       | 0                 | 0.00                 |                   |                    |
|        | Sep 2019 | ZAEU | 18.27 Call   | 14,429         | 184.0453 | 197.7803 | 0.0000  | 0.0000       | 0                 | 0.00                 |                   |                    |
|        | Dec 2019 | ZAEU | 13.73 Put    | 17,150         | 41.8318  | 39.6152  | 0.0000  | 0.0000       | 0                 | 0.00                 |                   |                    |
|        | Dec 2019 | ZAEU | 14.09 Put    | 136,646        | 66.6027  | 63.5564  | 0.0000  | 0.0000       | 0                 | 0.00                 |                   |                    |
|        | Dec 2019 | ZAEU | 14.23 Put    | 61,500         | 79.0516  | 75.6318  | 0.0000  | 0.0000       | 0                 | 0.00                 |                   |                    |
|        | Dec 2019 | ZAEU | 15.70 Put    | 136,646        | 385.4425 | 372.6986 | 0.0000  | 0.0000       | 0                 | 0.00                 |                   |                    |
|        | Dec 2019 | ZAEU | 15.85 Put    | 61,500         | 442.6923 | 426.8514 | 0.0000  | 0.0000       | 0                 | 0.00                 |                   |                    |
|        | Dec 2019 | ZAEU | 16.15 Put    | 17,150         | 579.4456 | 560.7590 | 0.0000  | 0.0000       | 0                 | 0.00                 |                   |                    |
|        | Dec 2019 | ZAEU | 19.79 Call   | 136,646        | 188.1906 | 200.5654 | 0.0000  | 0.0000       | 0                 | 0.00                 |                   |                    |
|        | Dec 2019 | ZAEU | 19.80 Call   | 61,500         | 187.4060 | 199.7387 | 0.0000  | 0.0000       | 0                 | 0.00                 |                   |                    |
|        | Dec 2019 | ZAEU | 20.62 Call   | 17,150         | 150.4975 | 159.8259 | 0.0000  | 0.0000       | 0                 | 0.00                 |                   |                    |
|        |          |      |              | 676,703        |          |          |         |              | 0.00              | 0.00                 | 12 048 500.00     | 0.00               |
|        |          |      | <b>Total</b> | <b>877,220</b> |          |          |         |              | <b>1,010.00</b>   | <b>16,210,910.00</b> | 28 745 859.00     | 242 262 128 180.70 |

| DATE          | CONTRACT |              | OPEN INT       | MTM      | PREV MTM | HIGH    | LOW     | DAILY VOLUME    |                      | CUMULATIVE VOLUME    |                           |
|---------------|----------|--------------|----------------|----------|----------|---------|---------|-----------------|----------------------|----------------------|---------------------------|
| <b>Future</b> |          |              |                |          |          |         |         |                 |                      |                      |                           |
| Jun 2019      | ZAFR     | Future       | 993            | 14.2701  | 14.3335  | 0.0000  | 0.0000  | 0               | 0.00                 |                      |                           |
| Sep 2019      | ZAFR     | Future       | 300            | 14.5584  | 14.6242  | 0.0000  | 0.0000  | 0               | 0.00                 |                      |                           |
|               |          |              | <u>1,293</u>   |          |          |         |         | <u>0.00</u>     | <u>0.00</u>          | <u>632 902.00</u>    | <u>6 845 970 775.90</u>   |
|               |          | <b>Total</b> | <b>1,293</b>   |          |          |         |         | <b>0.00</b>     | <b>0.00</b>          | <b>632 902.00</b>    | <b>6 845 970 775.90</b>   |
| <b>Future</b> |          |              |                |          |          |         |         |                 |                      |                      |                           |
| Jun 2019      | ZAGB     | Future       | 119,481        | 18.5175  | 18.6918  | 18.6550 | 18.5700 | 4,167           | 77,712,771.50        |                      |                           |
| Sep 2019      | ZAGB     | Future       | 21,418         | 18.8114  | 18.9892  | 0.0000  | 0.0000  | 0               | 0.00                 |                      |                           |
| Dec 2019      | ZAGB     | Future       | 12,845         | 19.0877  | 19.2701  | 0.0000  | 0.0000  | 0               | 0.00                 |                      |                           |
| Mar 2020      | ZAGB     | Future       | 4,674          | 19.3896  | 19.5733  | 0.0000  | 0.0000  | 0               | 0.00                 |                      |                           |
|               |          |              | <u>158,418</u> |          |          |         |         | <u>4,167.00</u> | <u>77,712,771.50</u> | <u>14 675 000.00</u> | <u>252 370 727 402.80</u> |
| <b>Option</b> |          |              |                |          |          |         |         |                 |                      |                      |                           |
| Jun 2019      | ZAGB     | 18.00 Call   | 1,000          | 792.8751 | 927.8205 | 0.0000  | 0.0000  | 0               | 0.00                 |                      |                           |
| Sep 2019      | ZAGB     | 19.15 Put    | 500            | 970.8207 | 878.6515 | 0.0000  | 0.0000  | 0               | 0.00                 |                      |                           |
| Dec 2019      | ZAGB     | 18.75 Put    | 500            | 801.3027 | 733.5807 | 0.0000  | 0.0000  | 0               | 0.00                 |                      |                           |
| Dec 2019      | ZAGB     | 22.13 Call   | 500            | 234.5181 | 266.2677 | 0.0000  | 0.0000  | 0               | 0.00                 |                      |                           |
|               |          |              | <u>2,500</u>   |          |          |         |         | <u>0.00</u>     | <u>0.00</u>          | <u>1 790 813.00</u>  | <u>0.00</u>               |
|               |          | <b>Total</b> | <b>160,918</b> |          |          |         |         | <b>4,167.00</b> | <b>77,712,771.50</b> | <b>16 465 813.00</b> | <b>252 370 727 402.80</b> |
| <b>Future</b> |          |              |                |          |          |         |         |                 |                      |                      |                           |
| Jun 2019      | ZAKS     | Future       | 2,166          | 0.1393   | 0.1395   | 0.0000  | 0.0000  | 0               | 0.00                 |                      |                           |
|               |          |              | <u>2,166</u>   |          |          |         |         | <u>0.00</u>     | <u>0.00</u>          | <u>38 066.00</u>     | <u>515 662 000.00</u>     |
|               |          | <b>Total</b> | <b>2,166</b>   |          |          |         |         | <b>0.00</b>     | <b>0.00</b>          | <b>38 066.00</b>     | <b>515 662 000.00</b>     |
| <b>Future</b> |          |              |                |          |          |         |         |                 |                      |                      |                           |
| Sep 2019      | ZANZ     | Future       | 646            | 9.6784   | 9.7590   | 0.0000  | 0.0000  | 0               | 0.00                 |                      |                           |
|               |          |              | <u>646</u>     |          |          |         |         | <u>0.00</u>     | <u>0.00</u>          | <u>146 792.00</u>    | <u>1 127 677 204.60</u>   |
|               |          | <b>Total</b> | <b>646</b>     |          |          |         |         | <b>0.00</b>     | <b>0.00</b>          | <b>166 792.00</b>    | <b>1 127 677 204.60</b>   |
| <b>Future</b> |          |              |                |          |          |         |         |                 |                      |                      |                           |
| Jun 2019      | ZATR     | Future       | 3,646          | 2.4121   | 2.4448   | 0.0000  | 0.0000  | 0               | 0.00                 |                      |                           |
|               |          |              | <u>3,646</u>   |          |          |         |         | <u>0.00</u>     | <u>0.00</u>          | <u>556 277.00</u>    | <u>1 668 453 313.10</u>   |
|               |          | <b>Total</b> | <b>3,646</b>   |          |          |         |         | <b>0.00</b>     | <b>0.00</b>          | <b>556 277.00</b>    | <b>1 668 453 313.10</b>   |
| <b>Future</b> |          |              |                |          |          |         |         |                 |                      |                      |                           |
| Jun 2019      | ZAUM     | Future       | 485            | 14.1778  | 14.2349  | 0.0000  | 0.0000  | 0               | 0.00                 |                      |                           |
|               |          |              | <u>485</u>     |          |          |         |         | <u>0.00</u>     | <u>0.00</u>          | <u>156 738.00</u>    | <u>182 213 919 840.00</u> |
|               |          | <b>Total</b> | <b>485</b>     |          |          |         |         | <b>0.00</b>     | <b>0.00</b>          | <b>161 261.00</b>    | <b>182 213 919 840.00</b> |

| <u>DATE</u> | <u>CONTRACT</u> |        | <u>OPEN INT</u> | <u>MTM</u> | <u>PREV MTM</u> | <u>HIGH</u> | <u>LOW</u> | <u>DAILY VOLUME</u> | <u>CUMULATIVE VOLUME</u>    |
|-------------|-----------------|--------|-----------------|------------|-----------------|-------------|------------|---------------------|-----------------------------|
| Jun 2019    | ZAUS            | Future | 873,278         | 14.1778    | 14.2349         | 14.2294     | 14.1400    | 24,810              | 352,987,649.20              |
| Sep 2019    | ZAUS            | Future | 26,745          | 14.3376    | 14.3967         | 14.3904     | 14.3100    | 345                 | 4,963,940.10                |
| Dec 2019    | ZAUS            | Future | 22,753          | 14.4898    | 14.5513         | 0.0000      | 0.0000     | 0                   | 0.00                        |
| Mar 2020    | ZAUS            | Future | 10,345          | 14.6584    | 14.7197         | 0.0000      | 0.0000     | 0                   | 0.00                        |
| Jun 2020    | ZAUS            | Future | 700             | 14.8180    | 14.8875         | 0.0000      | 0.0000     | 0                   | 0.00                        |
|             |                 |        | <u>933,821</u>  |            |                 |             |            | <u>25,155.00</u>    | <u>357,951,589.30</u>       |
|             |                 |        |                 |            |                 |             |            |                     | <u>202 467 107.00</u>       |
|             |                 |        |                 |            |                 |             |            |                     | <u>2 458 791 760 237.60</u> |

**Option**

|          |      |            |         |          |          |        |        |   |      |
|----------|------|------------|---------|----------|----------|--------|--------|---|------|
| Jun 2019 | ZAUS | 10.69 Put  | 1,000   | 0.4153   | 0.3850   | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 12.28 Put  | 1,000   | 6.6091   | 6.9845   | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 12.65 Put  | 1,050   | 10.9166  | 11.7599  | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 12.75 Put  | 1,000   | 12.6092  | 13.6331  | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 12.92 Put  | 2,100   | 23.4684  | 22.3331  | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 12.98 Put  | 911     | 28.6982  | 27.1631  | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.00 Put  | 165,703 | 30.6281  | 28.9434  | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.10 Put  | 14,000  | 41.8144  | 39.2406  | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.22 Put  | 122,704 | 59.0049  | 55.0438  | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.24 Put  | 30,000  | 62.3110  | 58.0810  | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.25 Put  | 4,582   | 64.0123  | 59.6461  | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.28 Put  | 122,704 | 69.3216  | 64.5267  | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.30 Put  | 143,800 | 73.0326  | 67.9388  | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.35 Put  | 4,317   | 82.9305  | 77.0437  | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.50 Call | 7,500   | 795.8470 | 844.4925 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.60 Call | 700     | 723.9236 | 770.9536 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.60 Put  | 700     | 146.1236 | 136.0536 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.83 Put  | 25,000  | 226.5561 | 212.2816 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.90 Call | 100     | 533.3511 | 574.7865 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.91 Put  | 1,000   | 259.8652 | 243.9993 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.98 Call | 1,000   | 489.0804 | 528.8831 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.00 Call | 20,000  | 478.4441 | 517.8303 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.00 Put  | 301,700 | 300.6441 | 282.9303 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.06 Put  | 2,100   | 329.7610 | 310.7894 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.07 Put  | 39,589  | 334.7638 | 315.5789 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.20 Put  | 13,600  | 403.5843 | 381.6237 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.25 Put  | 1,982   | 433.2529 | 408.8585 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.30 Put  | 30,000  | 463.9069 | 438.4136 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.35 Call | 1,050   | 323.3143 | 353.8358 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.42 Call | 30      | 299.1038 | 328.1366 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.44 Put  | 31,500  | 554.7029 | 526.2162 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.58 Call | 1,000   | 250.0425 | 275.8153 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.63 Put  | 8,203   | 688.5701 | 656.2707 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.65 Put  | 1,000   | 703.3084 | 670.6269 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.66 Call | 122,704 | 228.5196 | 252.7486 | 0.0000 | 0.0000 | 0 | 0.00 |

| <u>DATE</u> | <u>CONTRACT</u> |            | <u>OPEN INT</u> | <u>MTM</u> | <u>PREV MTM</u> | <u>HIGH</u> | <u>LOW</u> | <u>DAILY VOLUME</u> | <u>CUMULATIVE VOLUME</u> |
|-------------|-----------------|------------|-----------------|------------|-----------------|-------------|------------|---------------------|--------------------------|
| Jun 2019    | ZAUS            | 14.72 Call | 122,704         | 213.5806   | 236.6958        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | ZAUS            | 14.75 Call | 1,000           | 206.4802   | 229.0490        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | ZAUS            | 14.78 Call | 250             | 199.6130   | 221.6470        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | ZAUS            | 14.82 Call | 30,000          | 190.8105   | 212.1485        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | ZAUS            | 15.00 Call | 17,500          | 155.6272   | 174.1349        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | ZAUS            | 15.10 Call | 2,900           | 138.9356   | 155.9640        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | ZAUS            | 15.30 Call | 14,000          | 110.8801   | 125.2551        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | ZAUS            | 15.32 Call | 1,980           | 108.4210   | 122.5537        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | ZAUS            | 15.50 Call | 146,182         | 88.7259    | 100.8353        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | ZAUS            | 15.58 Call | 1,380           | 81.2346    | 92.5382         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | ZAUS            | 15.60 Call | 143,800         | 79.4704    | 90.5802         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | ZAUS            | 15.64 Call | 39,589          | 75.7270    | 86.7987         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | ZAUS            | 15.66 Call | 122,704         | 73.9221    | 84.8830         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | ZAUS            | 15.73 Call | 122,704         | 67.9372    | 78.2532         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | ZAUS            | 15.80 Call | 1,000           | 62.4412    | 72.1486         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | ZAUS            | 15.89 Call | 6,800           | 56.0323    | 65.0048         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | ZAUS            | 15.92 Call | 911             | 54.0484    | 62.7878         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | ZAUS            | 16.00 Call | 5,020           | 49.1013    | 57.2480         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | ZAUS            | 16.09 Call | 6,800           | 44.0891    | 51.6140         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Jun 2019    | ZAUS            | 17.96 Call | 8,203           | 4.7964     | 5.3693          | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 10.75 Put  | 1,000           | 5.0511     | 4.8053          | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 12.50 Put  | 1,000           | 53.9293    | 50.9497         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 12.87 Put  | 9,783           | 91.3904    | 87.3045         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 13.02 Put  | 17,287          | 116.1210   | 109.5090        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 13.15 Put  | 11,333          | 142.3821   | 134.5771        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 13.25 Put  | 3,900           | 165.2918   | 156.4901        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 13.65 Call | 5,666           | 971.4694   | 1015.8666       | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 13.70 Put  | 2,000           | 302.9048   | 286.2304        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 13.77 Put  | 28,500          | 330.8023   | 313.2505        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 13.80 Put  | 14,000          | 343.2072   | 325.2774        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 13.90 Put  | 5,908           | 386.4691   | 367.2843        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 13.92 Put  | 2,149           | 395.4769   | 376.0411        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 13.97 Put  | 800             | 418.5040   | 398.4396        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 14.00 Put  | 1,000           | 432.6677   | 412.2296        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 14.12 Put  | 177             | 491.9106   | 469.9766        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 14.21 Put  | 2,700           | 539.0101   | 515.9656        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 14.30 Put  | 9,783           | 588.3363   | 564.1888        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 14.36 Put  | 111             | 622.5804   | 597.5547        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 14.46 Put  | 17,287          | 683.0404   | 656.0603        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 14.50 Call | 14,000          | 545.5308   | 577.0920        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 14.50 Put  | 14,000          | 707.9308   | 680.3920        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 14.65 Put  | 3,000           | 804.7359   | 775.1422        | 0.0000      | 0.0000     | 0                   | 0.00                     |



| <u>DATE</u> | <u>CONTRACT</u> |            | <u>OPEN INT</u> | <u>MTM</u> | <u>PREV MTM</u> | <u>HIGH</u> | <u>LOW</u> | <u>DAILY VOLUME</u> | <u>CUMULATIVE VOLUME</u> |
|-------------|-----------------|------------|-----------------|------------|-----------------|-------------|------------|---------------------|--------------------------|
| Sep 2019    | ZAUS            | 14.70 Put  | 1,000           | 838.1669   | 807.9085        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 14.82 Put  | 1,000           | 920.6453   | 888.8301        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 14.85 Put  | 3,000           | 941.7444   | 909.5497        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 15.00 Call | 750             | 387.5258   | 412.5956        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 15.03 Call | 177             | 379.6793   | 404.3934        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 15.16 Call | 111             | 348.0183   | 371.0111        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 15.38 Put  | 5,000           | 1343.3017  | 1304.8036       | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 15.51 Call | 28,500          | 276.4051   | 295.7074        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 15.56 Put  | 2,571           | 1489.9863  | 1449.7104       | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 15.87 Call | 1,000           | 218.7263   | 235.5233        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 16.66 Call | 2,149           | 131.7781   | 142.9998        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 16.67 Call | 14,000          | 130.9683   | 142.1307        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 17.12 Call | 17,287          | 99.8476    | 108.7647        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 17.18 Call | 9,783           | 96.4006    | 105.0604        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 17.23 Call | 800             | 94.1270    | 102.0879        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 17.64 Call | 5,000           | 80.4739    | 86.5383         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 17.85 Call | 2,700           | 74.8083    | 80.6071         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 17.93 Call | 2,571           | 72.8454    | 78.5536         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Sep 2019    | ZAUS            | 18.47 Call | 1,200           | 61.9142    | 67.1109         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Dec 2019    | ZAUS            | 11.89 Put  | 1,000           | 28.6105    | 25.2338         | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Dec 2019    | ZAUS            | 12.87 Put  | 139,860         | 144.4296   | 136.8286        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Dec 2019    | ZAUS            | 13.00 Put  | 49,600          | 171.4996   | 163.3571        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Dec 2019    | ZAUS            | 13.03 Put  | 69,000          | 178.2168   | 169.9520        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Dec 2019    | ZAUS            | 13.66 Put  | 1,000           | 362.8988   | 348.9817        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Dec 2019    | ZAUS            | 13.80 Put  | 500             | 417.6346   | 400.5440        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Dec 2019    | ZAUS            | 13.94 Put  | 139,860         | 480.0876   | 461.3570        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Dec 2019    | ZAUS            | 14.00 Put  | 34,000          | 508.3184   | 488.8925        | 0.0000      | 0.0000     | 7,500               | 0.00                     |
| Dec 2019    | ZAUS            | 14.07 Put  | 1,351           | 542.3444   | 522.1018        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Dec 2019    | ZAUS            | 14.08 Put  | 4,150           | 547.2990   | 526.9444        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Dec 2019    | ZAUS            | 14.10 Put  | 52,300          | 557.2836   | 536.6912        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Dec 2019    | ZAUS            | 14.11 Put  | 24,055          | 562.3089   | 541.6046        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Dec 2019    | ZAUS            | 14.12 Put  | 69,000          | 567.3577   | 546.5368        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Dec 2019    | ZAUS            | 14.41 Put  | 49,600          | 723.7534   | 699.5971        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Dec 2019    | ZAUS            | 15.80 Call | 250             | 393.2455   | 415.6031        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Dec 2019    | ZAUS            | 16.13 Call | 52,300          | 334.1545   | 354.3438        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Dec 2019    | ZAUS            | 16.20 Call | 50,100          | 322.7163   | 342.3973        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Dec 2019    | ZAUS            | 16.25 Call | 26,000          | 314.8255   | 334.1476        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Dec 2019    | ZAUS            | 16.35 Call | 4,150           | 299.6951   | 318.3312        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Dec 2019    | ZAUS            | 16.37 Call | 500             | 296.7741   | 315.2716        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Dec 2019    | ZAUS            | 16.55 Call | 24,055          | 271.9048   | 289.2350        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Dec 2019    | ZAUS            | 16.85 Call | 1,351           | 235.7174   | 251.2752        | 0.0000      | 0.0000     | 0                   | 0.00                     |
| Dec 2019    | ZAUS            | 16.99 Call | 69,000          | 220.8196   | 235.6227        | 0.0000      | 0.0000     | 0                   | 0.00                     |

| <u>DATE</u> | <u>CONTRACT</u> |                    | <u>OPEN INT</u>  | <u>MTM</u> | <u>PREV MTM</u> | <u>HIGH</u> | <u>LOW</u> | <u>DAILY VOLUME</u> | <u>CUMULATIVE VOLUME</u> |                             |
|-------------|-----------------|--------------------|------------------|------------|-----------------|-------------|------------|---------------------|--------------------------|-----------------------------|
| Dec 2019    | ZAUS            | 17.02 Call         | 139,860          | 217.7775   | 232.4245        | 0.0000      | 0.0000     | 0                   | 0.00                     |                             |
| Dec 2019    | ZAUS            | 17.38 Call         | 1,000            | 184.9947   | 197.9063        | 0.0000      | 0.0000     | 0                   | 0.00                     |                             |
| Dec 2019    | ZAUS            | 20.00 Call         | 2,000            | 66.2311    | 72.9487         | 0.0000      | 0.0000     | 0                   | 0.00                     |                             |
| Mar 2020    | ZAUS            | 11.91 Put          | 1,000            | 48.4844    | 47.4134         | 0.0000      | 0.0000     | 0                   | 0.00                     |                             |
| Mar 2020    | ZAUS            | 12.96 Put          | 277,778          | 210.3213   | 203.6531        | 0.0000      | 0.0000     | 0                   | 0.00                     |                             |
| Mar 2020    | ZAUS            | 13.06 Put          | 275,862          | 235.2069   | 227.6990        | 0.0000      | 0.0000     | 0                   | 0.00                     |                             |
| Mar 2020    | ZAUS            | 13.19 Put          | 272,897          | 270.3935   | 261.7163        | 0.0000      | 0.0000     | 0                   | 0.00                     |                             |
| Mar 2020    | ZAUS            | 13.78 Put          | 60,000           | 468.1114   | 454.9165        | 0.0000      | 0.0000     | 0                   | 0.00                     |                             |
| Mar 2020    | ZAUS            | 14.01 Put          | 1,000            | 566.0599   | 548.9555        | 0.0000      | 0.0000     | 0                   | 0.00                     |                             |
| Mar 2020    | ZAUS            | 14.40 Put          | 277,778          | 767.4619   | 746.6110        | 0.0000      | 0.0000     | 0                   | 0.00                     |                             |
| Mar 2020    | ZAUS            | 14.51 Put          | 275,862          | 829.6855   | 807.7914        | 0.0000      | 0.0000     | 0                   | 0.00                     |                             |
| Mar 2020    | ZAUS            | 14.66 Put          | 272,897          | 918.1423   | 894.8567        | 0.0000      | 0.0000     | 0                   | 0.00                     |                             |
| Mar 2020    | ZAUS            | 16.60 Call         | 277,778          | 410.8454   | 433.0246        | 0.0000      | 0.0000     | 0                   | 0.00                     |                             |
| Mar 2020    | ZAUS            | 16.81 Call         | 275,862          | 378.7834   | 399.6189        | 0.0000      | 0.0000     | 0                   | 0.00                     |                             |
| Mar 2020    | ZAUS            | 17.04 Call         | 272,897          | 347.1649   | 366.6244        | 0.0000      | 0.0000     | 0                   | 0.00                     |                             |
| Mar 2020    | ZAUS            | 17.73 Call         | 1,000            | 274.9198   | 289.2476        | 0.0000      | 0.0000     | 0                   | 0.00                     |                             |
| Mar 2020    | ZAUS            | 17.88 Call         | 60,000           | 266.0972   | 279.9675        | 0.0000      | 0.0000     | 0                   | 0.00                     |                             |
| Jun 2020    | ZAUS            | 11.90 Put          | 900              | 74.4256    | 71.7297         | 0.0000      | 0.0000     | 0                   | 0.00                     |                             |
| Jun 2020    | ZAUS            | 14.25 Put          | 900              | 751.4404   | 730.2961        | 0.0000      | 0.0000     | 0                   | 0.00                     |                             |
| Jun 2020    | ZAUS            | 17.26 Call         | 900              | 470.5337   | 494.8189        | 0.0000      | 0.0000     | 0                   | 0.00                     |                             |
|             |                 |                    | <u>5,895,892</u> |            |                 |             |            | <u>7,500.00</u>     | <u>0.00</u>              | <u>71 665 316.00</u>        |
|             |                 | <b>Total</b>       | <b>6,829,713</b> |            |                 |             |            | <b>32,655.00</b>    | <b>357,951,589.30</b>    | <b>274 132 423.00</b>       |
|             |                 |                    |                  |            |                 |             |            |                     |                          | <u>0.00</u>                 |
|             |                 | <b>Grand Total</b> | <b>8,774,981</b> |            |                 |             |            | <b>117,736.00</b>   | <b>955 148 550.60</b>    | <b>374,761,688</b>          |
|             |                 |                    |                  |            |                 |             |            |                     |                          | <b>3,409,936,131,416.62</b> |