



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 26-January-2018

| DATE | CONTRACT | | OPEN INT | MTM | PREV MTM | HIGH | LOW | DAILY VOLUME | CUMULATIVE VOLUME |
|---------------|----------|--------------|----------------|-----------|-----------|--------|--------|--------------|--------------------------------|
| Future | | | | | | | | | |
| Feb 2018 | DAAD | Future | 46 | 9.6533 | 9.6392 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | DAAD | Future | 4 | 9.6745 | 9.6601 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | <u>50</u> | | | | | <u>0.00</u> | <u>0.00</u> |
| | | Total | 50 | | | | | 0.00 | 0.00 |
| | | | | | | | | | 77 074.00 730 365 560.80 |
| | | | | | | | | | 146 074.00 730 365 560.80 |
| Future | | | | | | | | | |
| Jan 2018 | DAEU | Future | 151,647 | 14.7735 | 14.8528 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2018 | DAEU | Future | 44 | 14.8205 | 14.9002 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2018 | DAEU | Future | 337 | 14.8610 | 14.9402 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | DAEU | Future | 63 | 14.9078 | 14.9871 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | DAEU | Future | 3 | 14.9515 | 15.0310 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | <u>152,094</u> | | | | | <u>0.00</u> | <u>0.00</u> |
| | | | | | | | | | 747 516.00 11 164 454 352.20 |
| Option | | | | | | | | | |
| Jan 2018 | DAEU | 15.80 Put | 193,000 | 1026.8864 | 949.0604 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2018 | DAEU | 16.50 Call | 15,150 | 0.0248 | 0.1007 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2018 | DAEU | 16.41 Put | 1,647 | 1558.8063 | 1482.8886 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | <u>209,797</u> | | | | | <u>0.00</u> | <u>0.00</u> |
| | | Total | 361,891 | | | | | 0.00 | 0.00 |
| | | | | | | | | | 946 787.00 0.00 |
| | | | | | | | | | 1 694 303.00 11 164 454 352.20 |
| Future | | | | | | | | | |
| Jan 2018 | DAGB | Future | 10 | 16.8854 | 17.0018 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | DAGB | Future | 17 | 16.9763 | 17.0924 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | DAGB | Future | 38 | 17.0197 | 17.1359 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2018 | DAGB | Future | 6 | 17.1655 | 17.2827 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | <u>71</u> | | | | | <u>0.00</u> | <u>0.00</u> |
| | | Total | 71 | | | | | 0.00 | 0.00 |
| | | | | | | | | | 53 604.00 879 417 763.30 |
| | | | | | | | | | 260 917.00 879 417 763.30 |
| Future | | | | | | | | | |
| Jan 2018 | DAUS | Future | 145,615 | 11.8724 | 11.8945 | 0.0000 | 0.0000 | 770 | 9,136,512.00 |
| Feb 2018 | DAUS | Future | 1,346 | 11.8887 | 11.9109 | 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> |
|---------------|-----------------|------------|-----------------|------------|-----------------|-------------|------------|---------------------|--------------------------|
| Feb 2018 | DAUS | Future | 70 | 11.8958 | 11.9179 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2018 | DAUS | Future | 12 | 11.8994 | 11.9215 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2018 | DAUS | Future | 3,201 | 11.9225 | 11.9445 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | DAUS | Future | 5,607 | 11.9491 | 11.9710 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | DAUS | Future | 1,199 | 11.9738 | 11.9958 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2018 | DAUS | Future | 70 | 12.0185 | 12.0405 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2018 | DAUS | Future | 117 | 12.0288 | 12.0509 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | Future | 70 | 12.0472 | 12.0693 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | Future | 181 | 12.0808 | 12.1028 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | DAUS | Future | 445 | 12.1296 | 12.1515 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2018 | DAUS | Future | 100 | 12.1346 | 12.1565 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2018 | DAUS | Future | 1,800 | 12.1649 | 12.1867 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2018 | DAUS | Future | 1,000 | 12.1716 | 12.1934 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2018 | DAUS | Future | 70 | 12.1733 | 12.1951 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2018 | DAUS | Future | 1,853 | 12.1833 | 12.2051 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2018 | DAUS | Future | 70 | 12.2044 | 12.2262 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2018 | DAUS | Future | 1,336 | 12.2337 | 12.2555 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2018 | DAUS | Future | 1,295 | 12.2791 | 12.3011 | 0.0000 | 0.0000 | 0 | 0.00 |
| Oct 2018 | DAUS | Future | 70 | 12.3230 | 12.3451 | 0.0000 | 0.0000 | 0 | 0.00 |
| Oct 2018 | DAUS | Future | 225 | 12.3295 | 12.3516 | 0.0000 | 0.0000 | 0 | 0.00 |
| Nov 2018 | DAUS | Future | 70 | 12.3534 | 12.3754 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2019 | DAUS | Future | 70 | 12.5016 | 12.5225 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2020 | DAUS | Future | 84,000 | 13.4551 | 13.4632 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | <u>249,892</u> | | | | | <u>770.00</u> | <u>9,136,512.00</u> |
| | | | | | | | | | <u>7 483 455.00</u> |
| | | | | | | | | | <u>91 077 779 066.00</u> |
| Option | | | | | | | | | |
| Jan 2018 | DAUS | 11.96 Put | 300 | 130.3903 | 126.7236 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2018 | DAUS | 11.98 Call | 300 | 37.5809 | 54.8944 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2018 | DAUS | 12.18 Put | 1,000 | 317.3489 | 302.8953 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2018 | DAUS | 12.22 Call | 1,000 | 7.4202 | 13.7290 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2018 | DAUS | 12.25 Put | 440 | 383.6513 | 366.9915 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2018 | DAUS | 12.32 Put | 460 | 451.3769 | 433.0898 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2018 | DAUS | 12.36 Call | 440 | 2.8959 | 5.9945 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2018 | DAUS | 12.41 Call | 460 | 2.0877 | 4.4719 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2018 | DAUS | 12.80 Put | 25,000 | 927.7388 | 905.9565 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2018 | DAUS | 13.16 Put | 19,500 | 1287.6225 | 1265.5778 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2018 | DAUS | 13.25 Put | 0 | 1377.6194 | 1355.5623 | 0.0000 | 0.0000 | 107,000 | 0.00 |
| Jan 2018 | DAUS | 13.27 Put | 2,883 | 1397.6189 | 1375.5594 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2018 | DAUS | 13.30 Put | 40,904 | 1427.6181 | 1405.5555 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2018 | DAUS | 13.40 Put | 168,000 | 1527.6159 | 1505.5449 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2018 | DAUS | 13.90 Call | 42,000 | 0.0108 | 0.0208 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2018 | DAUS | 14.00 Call | 23,300 | 0.0103 | 0.0187 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2018 | DAUS | 14.25 Call | 29,000 | 0.0127 | 0.0150 | 0.0000 | 0.0000 | 0 | 0.00 |

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|-------------|-----------------|------------|-----------------|------------|-----------------|-------------|------------|---------------------|--------------------------|
| Feb 2018 | DAUS | 13.15 Put | 3,496 | 1275.8827 | 1253.8585 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2018 | DAUS | 15.22 Call | 242 | 0.2399 | 0.2105 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2018 | DAUS | 15.52 Call | 2,723 | 0.2437 | 0.2712 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2018 | DAUS | 15.79 Call | 234 | 0.1141 | 0.1278 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2018 | DAUS | 15.88 Call | 773 | 0.0881 | 0.0989 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2018 | DAUS | 13.20 Put | 35,000 | 1316.9476 | 1295.1717 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2018 | DAUS | 13.80 Put | 35,000 | 1916.6310 | 1894.5673 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2018 | DAUS | 13.16 Put | 1,880 | 1273.7141 | 1252.0263 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2018 | DAUS | 13.86 Put | 1,880 | 1973.1312 | 1950.9682 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2018 | DAUS | 15.05 Call | 1,880 | 0.1658 | 0.1613 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2018 | DAUS | 12.05 Call | 20,000 | 72.1480 | 0.0000 | 0.0000 | 0.0000 | 20,000 | 0.00 |
| Feb 2018 | DAUS | 13.75 Put | 20,000 | 1856.1790 | 1834.1241 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2018 | DAUS | 13.90 Put | 20,000 | 2006.1130 | 1984.0118 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2018 | DAUS | 14.20 Put | 20,000 | 2299.0595 | 2277.1559 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2018 | DAUS | 12.50 Call | 3,450 | 57.3802 | 64.9107 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2018 | DAUS | 13.80 Call | 8,500 | 2.2076 | 2.7066 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2018 | DAUS | 14.18 Put | 2,186 | 2258.3721 | 2236.5919 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | DAUS | 13.40 Put | 100,000 | 1481.2753 | 1460.7334 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | DAUS | 12.00 Call | 50,000 | 252.0203 | 267.2925 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2018 | DAUS | 15.00 Put | 1,000 | 2986.1010 | 2964.8632 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2018 | DAUS | 15.81 Call | 2,000 | 1.4868 | 1.8296 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2018 | DAUS | 11.70 Put | 400 | 188.6481 | 183.8675 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2018 | DAUS | 12.10 Call | 400 | 319.5777 | 334.2474 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2018 | DAUS | 13.80 Put | 1,000 | 1811.2369 | 1792.4229 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2018 | DAUS | 15.23 Call | 500 | 4.9856 | 5.5771 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2018 | DAUS | 15.66 Call | 500 | 2.3411 | 2.6701 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 12.74 Put | 1,880 | 860.9263 | 849.0400 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 13.86 Put | 1,880 | 1861.5055 | 1843.0623 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 15.63 Call | 1,880 | 2.9442 | 3.3224 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 12.75 Put | 11,000 | 869.8123 | 858.2319 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 14.50 Put | 11,000 | 2472.1558 | 2452.2610 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 15.76 Call | 11,000 | 2.5223 | 2.8491 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 12.00 Put | 76,000 | 349.6175 | 343.8083 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 13.80 Put | 1,000 | 1790.1888 | 1773.3772 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 15.43 Call | 500 | 9.3198 | 7.9994 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 15.89 Call | 500 | 4.5573 | 3.3760 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | DAUS | 13.80 Put | 1,000 | 1773.2779 | 1758.1170 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | DAUS | 15.62 Call | 500 | 22.2292 | 23.3948 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | DAUS | 16.10 Call | 500 | 13.5007 | 14.1670 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2018 | DAUS | 12.07 Put | 2,000 | 423.6299 | 418.7952 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2018 | DAUS | 13.60 Call | 1,000 | 131.6712 | 139.7407 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2018 | DAUS | 13.73 Call | 1,000 | 117.5313 | 124.9574 | 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> | | |
|---------------|-----------------|--------------|------------------|----------------|-----------------|-------------|------------|---------------------|--------------------------|----------------------|--------------------------|
| Jul 2018 | DAUS | 14.19 Put | 1,500 | 2114.5216 | 2098.9194 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jul 2018 | DAUS | 14.45 Put | 1,500 | 2357.0750 | 2340.4943 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jul 2018 | DAUS | 15.72 Call | 1,500 | 34.5801 | 35.5566 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jul 2018 | DAUS | 15.94 Call | 1,500 | 28.6222 | 30.0006 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jul 2018 | DAUS | 13.80 Put | 1,000 | 1756.2730 | 1742.7679 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jul 2018 | DAUS | 15.82 Call | 500 | 36.5538 | 37.9880 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jul 2018 | DAUS | 16.32 Call | 500 | 22.0757 | 23.3676 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Aug 2018 | DAUS | 12.32 Put | 1,880 | 588.7167 | 583.6860 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Aug 2018 | DAUS | 13.86 Put | 1,880 | 1806.6287 | 1793.0805 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Aug 2018 | DAUS | 16.18 Call | 1,880 | 28.6176 | 30.5940 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Aug 2018 | DAUS | 13.80 Put | 1,000 | 1744.1542 | 1731.8671 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Aug 2018 | DAUS | 16.05 Call | 500 | 46.3446 | 49.3808 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Aug 2018 | DAUS | 16.57 Call | 500 | 29.0459 | 31.1738 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2018 | DAUS | 13.80 Put | 1,000 | 1733.1942 | 1722.2030 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2018 | DAUS | 16.25 Call | 500 | 53.5917 | 57.0658 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2018 | DAUS | 16.80 Call | 500 | 33.9630 | 36.4285 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2018 | DAUS | 13.80 Put | 1,000 | 1721.3586 | 1711.7647 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2018 | DAUS | 16.47 Call | 500 | 61.5346 | 65.5125 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2018 | DAUS | 17.02 Call | 500 | 40.3994 | 43.3115 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2018 | DAUS | 11.90 Put | 1,880 | 389.6529 | 388.9551 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2018 | DAUS | 13.86 Put | 1,880 | 1769.9109 | 1760.1364 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2018 | DAUS | 16.81 Call | 1,880 | 49.6210 | 52.9976 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2018 | DAUS | 13.80 Put | 1,000 | 1711.2004 | 1703.3015 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2018 | DAUS | 16.70 Call | 500 | 66.5071 | 70.0518 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2018 | DAUS | 17.31 Call | 500 | 42.8728 | 45.4219 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2018 | DAUS | 13.65 Put | 20,000 | 1585.0584 | 1577.9151 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2018 | DAUS | 15.69 Call | 20,000 | 123.7079 | 130.2650 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2018 | DAUS | 13.80 Put | 1,000 | 1701.4878 | 1694.2946 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2018 | DAUS | 16.93 Call | 500 | 71.5879 | 75.8496 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2018 | DAUS | 17.58 Call | 500 | 46.0493 | 49.1300 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | | <u>879,951</u> | | | | <u>127,000.00</u> | <u>0.00</u> | <u>16 769 847.00</u> | <u>0.00</u> |
| | | Total | 1,129,843 | | | | | 127,770.00 | 9,136,512.00 | 24 253 302.00 | 91 077 779 066.00 |
| Future | | | | | | | | | | | |
| Mar 2018 | EUUS | Future | 130 | 1.2479 | 1.2523 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>130</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>684 095.00</u> | <u>7 724 583 729.00</u> |
| | | Total | 130 | | | | | 0.00 | 0.00 | 684 095.00 | 7 724 583 729.00 |
| Option | | | | | | | | | | | |
| Jun 2018 | JYZA | 8.89 Put | 1,200 | 3648.8474 | 14230.2924 | 0.0000 | 0.0000 | 1,200 | 0.00 | | |
| | | | <u>1,200</u> | | | | | <u>1,200.00</u> | <u>0.00</u> | <u>2 400.00</u> | <u>0.00</u> |

| DATE | CONTRACT | | OPEN INT | MTM | PREV MTM | HIGH | LOW | DAILY VOLUME | CUMULATIVE VOLUME | | |
|---------------|----------|------------|----------------|-----------|-----------|---------|---------|-----------------|----------------------|----------------------|---------------------------|
| Total | | | 1,200 | | | | | 1,200.00 | 0.00 | 2 400.00 | 0.00 |
| Future | | | | | | | | | | | |
| Mar 2018 | ZAAD | Future | 11,898 | 9.6801 | 9.6658 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAAD | Future | 5,534 | 9.8063 | 9.7915 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2018 | ZAAD | Future | 400 | 9.9309 | 9.9149 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2018 | ZAAD | Future | 10,812 | 10.0497 | 10.0323 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>28,644</u> | | | | | <i>0.00</i> | <i>0.00</i> | <i>3 528 754.00</i> | <i>30 498 622 012.60</i> |
| Total | | | 28,644 | | | | | 0.00 | 0.00 | 3 561 131.00 | 30 498 622 012.60 |
| Future | | | | | | | | | | | |
| Mar 2018 | ZACA | Future | 750 | 9.7093 | 9.7313 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZACA | Future | 100 | 9.8451 | 9.8668 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>850</u> | | | | | <i>0.00</i> | <i>0.00</i> | <i>125 603.00</i> | <i>1 236 437 662.10</i> |
| Total | | | 850 | | | | | 0.00 | 0.00 | 125 603.00 | 1 236 437 662.10 |
| Future | | | | | | | | | | | |
| Mar 2018 | ZAEU | Future | 109,660 | 14.9202 | 14.9996 | 14.9445 | 14.9248 | 46 | 686,677.80 | | |
| Jun 2018 | ZAEU | Future | 12,554 | 15.2085 | 15.2883 | 0.0000 | 0.0000 | 3,378 | 51,430,725.60 | | |
| Sep 2018 | ZAEU | Future | 35,175 | 15.5013 | 15.5812 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2018 | ZAEU | Future | 2,962 | 15.7880 | 15.8688 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAEU | Future | 1,088 | 16.0835 | 16.1618 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>161,439</u> | | | | | <i>3,424.00</i> | <i>52,117,403.40</i> | <i>13 709 732.00</i> | <i>194 701 106 188.30</i> |
| Total | | | | | | | | | | | |
| Option | | | | | | | | | | | |
| Mar 2018 | ZAEU | 15.05 Put | 5,648 | 391.8748 | 350.3817 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2018 | ZAEU | 15.10 Put | 14,172 | 424.0505 | 380.6400 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2018 | ZAEU | 16.50 Call | 643 | 27.8699 | 33.4289 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2018 | ZAEU | 17.00 Call | 620 | 13.8834 | 16.8002 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAEU | 13.75 Put | 50,995 | 32.5229 | 26.9514 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAEU | 13.97 Put | 7,000 | 61.3477 | 52.0198 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAEU | 15.25 Put | 50,995 | 542.8222 | 501.1756 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAEU | 16.44 Put | 7,000 | 1424.6405 | 1361.8271 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAEU | 18.61 Call | 7,000 | 33.8487 | 37.3013 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAEU | 20.55 Call | 50,995 | 10.0001 | 11.6003 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2018 | ZAEU | 14.25 Put | 124,767 | 153.5732 | 137.9013 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2018 | ZAEU | 15.85 Put | 124,767 | 900.8799 | 853.8056 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2018 | ZAEU | 16.00 Put | 21,525 | 1003.8120 | 954.4293 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2018 | ZAEU | 19.56 Call | 124,767 | 72.1668 | 80.0339 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2018 | ZAEU | 21.63 Call | 21,525 | 17.7712 | 21.1194 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>612,419</u> | | | | | <i>0.00</i> | <i>0.00</i> | <i>7 176 935.00</i> | <i>0.00</i> |
| Total | | | 773,858 | | | | | 3,424.00 | 52,117,403.40 | 20 886 667.00 | 194 701 106 188.30 |

| DATE | CONTRACT | | OPEN INT | MTM | PREV MTM | HIGH | LOW | DAILY VOLUME | CUMULATIVE VOLUME | |
|---------------|----------|--------------|----------------|----------|----------|---------|---------|-----------------|----------------------|----------------------|
| Future | | | | | | | | | | |
| Mar 2018 | ZAFR | Future | 1,215 | 12.8112 | 12.8310 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | <u>1,215</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>605 550.00</u> |
| | | Total | 1,215 | | | | | 0.00 | 0.00 | 605 550.00 |
| Future | | | | | | | | | | |
| Mar 2018 | ZAGB | Future | 191,141 | 17.0320 | 17.1484 | 17.1200 | 17.0400 | 43 | 736,824.00 | |
| Jun 2018 | ZAGB | Future | 7,957 | 17.3140 | 17.4315 | 0.0000 | 0.0000 | 2,956 | 51,237,234.80 | |
| Sep 2018 | ZAGB | Future | 4,664 | 17.5927 | 17.7121 | 17.6489 | 17.6489 | 500 | 8,824,450.00 | |
| Dec 2018 | ZAGB | Future | 895 | 17.8622 | 17.9827 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2019 | ZAGB | Future | 948 | 18.1634 | 18.2828 | 0.0000 | 0.0000 | 28 | 480,424.00 | |
| | | | <u>205,605</u> | | | | | <u>3,527.00</u> | <u>61,278,932.80</u> | <u>9 825 093.00</u> |
| | | Total | | | | | | 3,527.00 | 61,278,932.80 | 11 599 206.00 |
| Option | | | | | | | | | | |
| Mar 2018 | ZAGB | 17.00 Put | 500 | 392.2198 | 345.1120 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAGB | 19.00 Call | 1,500 | 40.2927 | 51.4235 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAGB | 20.14 Call | 500 | 9.2351 | 12.4150 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Jun 2018 | ZAGB | 17.50 Put | 500 | 793.3109 | 737.6686 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Jun 2018 | ZAGB | 20.40 Call | 500 | 92.2934 | 106.0648 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | <u>3,500</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>1 774 113.00</u> |
| | | Total | 209,105 | | | | | 3,527.00 | 61,278,932.80 | 11 599 206.00 |
| Future | | | | | | | | | | |
| Mar 2018 | ZAJY | Future | 3,805 | 0.1102 | 0.1102 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | <u>3,805</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>957 150.00</u> |
| | | Total | 3,805 | | | | | 0.00 | 0.00 | 957 150.00 |
| Future | | | | | | | | | | |
| Jun 2018 | ZAKS | Future | 1,145 | 0.1153 | 0.1157 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Sep 2018 | ZAKS | Future | 562 | 0.1147 | 0.1154 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | <u>1,707</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>31 923.00</u> |
| | | Total | 1,707 | | | | | 0.00 | 0.00 | 31 923.00 |
| Future | | | | | | | | | | |
| Mar 2018 | ZATR | Future | 433 | 3.1473 | 3.1561 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Jun 2018 | ZATR | Future | 1,600 | 3.1037 | 3.1120 | 3.1080 | 3.1010 | 600 | 1,862,580.00 | |
| | | | <u>2,033</u> | | | | | <u>600.00</u> | <u>1,862,580.00</u> | <u>239 789.00</u> |
| | | Total | 2,033 | | | | | 600.00 | 1,862,580.00 | 239 789.00 |
| Future | | | | | | | | | | |
| Mar 2018 | ZAUM | Future | 555 | 11.9561 | 11.9781 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Jun 2018 | ZAUM | Future | 64 | 12.1111 | 12.1330 | 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 2018 | ZAUM | Future | 43 | 12.2613 | 12.2832 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2018 | ZAUM | Future | 3 | 12.4029 | 12.4245 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | <u>665</u> | | | | | <i>0.00</i> | <i>0.00</i> | <i>146 931.00</i> |
| | | Total | 665 | | | | | 0.00 | 0.00 | 151 454.00 |
| Future | | | | | | | | | | |
| Mar 2018 | ZAUS | Future | 838,983 | 11.9561 | 11.9781 | 12.0269 | 11.9221 | 190,378 | 2,280,678,000.90 | |
| Jun 2018 | ZAUS | Future | 181,885 | 12.1111 | 12.1330 | 12.1321 | 12.0885 | 1,393 | 16,788,405.50 | |
| Sep 2018 | ZAUS | Future | 5,317 | 12.2613 | 12.2832 | 12.2200 | 12.2200 | 6 | 73,320.00 | |
| Dec 2018 | ZAUS | Future | 11,500 | 12.4029 | 12.4245 | 12.4800 | 12.4800 | 200 | 2,496,000.00 | |
| | | | <u>1,037,685</u> | | | | | <i>191,977.00</i> | <i>2,300,035,726.40</i> | <i>164 885 123.00</i> |
| | | | | | | | | | | <i>1 942 325 750 305.80</i> |
| Option | | | | | | | | | | |
| Mar 2018 | ZAUS | 11.50 Put | 32,520 | 75.5725 | 73.2396 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 11.60 Put | 750 | 104.4158 | 101.4301 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 11.85 Put | 25,000 | 204.7421 | 199.7070 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 11.98 Put | 25,000 | 273.6129 | 267.2277 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 12.00 Put | 227,000 | 285.5000 | 278.8515 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 12.13 Put | 5,460 | 368.3457 | 359.9922 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 12.20 Put | 32,520 | 416.6622 | 407.4015 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 12.25 Put | 3,750 | 452.6094 | 442.7153 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 12.36 Put | 20,880 | 535.5057 | 524.2669 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 12.40 Put | 2,500 | 566.8307 | 555.1260 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 12.47 Call | 750 | 109.1110 | 118.6199 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 12.50 Put | 25,380 | 647.5807 | 634.7670 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 12.70 Call | 11,000 | 72.9829 | 80.1260 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 12.70 Put | 2,000 | 816.8829 | 802.0260 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 12.75 Call | 100 | 66.7916 | 73.4759 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 12.82 Put | 10,323 | 922.9084 | 906.9918 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 12.94 Put | 5,000 | 1031.6622 | 1014.8214 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 12.95 Call | 13,200 | 46.9316 | 52.0200 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 13.00 Call | 21,000 | 42.9979 | 47.7433 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 13.00 Put | 95,146 | 1086.8979 | 1069.6433 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 13.20 Call | 1,000 | 29.8184 | 33.3513 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 13.20 Put | 1,073 | 1273.7184 | 1255.2513 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 13.21 Put | 5,460 | 1283.0932 | 1264.5664 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 13.22 Put | 15,000 | 1292.4796 | 1273.8953 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 13.25 Put | 2,478 | 1320.7111 | 1301.9569 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 13.32 Put | 7,500 | 1386.9770 | 1367.8527 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 13.35 Call | 2,000 | 21.6314 | 24.3598 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 13.38 Put | 2,500 | 1444.1722 | 1424.7592 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 13.40 Put | 7,500 | 1463.3112 | 1443.8078 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2018 | ZAUS | 13.50 Call | 35,000 | 15.6027 | 17.6869 | 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> |
|-------------|-----------------|------------|-----------------|------------|-----------------|-------------|------------|---------------------|--------------------------|
| Mar 2018 | ZAUS | 13.50 Put | 17,750 | 1559.5027 | 1539.5869 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.52 Put | 3,600 | 1578.8319 | 1558.8406 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.60 Put | 197,389 | 1656.4147 | 1636.1463 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.66 Call | 10,000 | 10.9535 | 12.5000 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.70 Call | 25,150 | 10.0188 | 11.4516 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.74 Put | 20,880 | 1793.0615 | 1772.3884 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.76 Call | 4,000 | 8.7599 | 10.0366 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.79 Call | 2,000 | 8.1893 | 9.3938 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.84 Put | 1,000 | 1891.2175 | 1870.3100 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.91 Put | 7,000 | 1960.1475 | 1939.0988 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.93 Call | 100 | 5.9709 | 6.8852 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.93 Put | 10,323 | 1979.8709 | 1958.7852 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.95 Put | 1,000 | 1999.6061 | 1978.4848 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.98 Put | 200 | 2029.2306 | 2008.0580 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.00 Call | 10,000 | 5.0938 | 5.8887 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.02 Call | 55 | 4.8674 | 5.6308 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.05 Put | 500 | 2098.4460 | 2077.1646 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.07 Call | 100 | 4.3435 | 5.0335 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.12 Call | 4,951 | 3.8753 | 4.4984 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.16 Put | 750 | 2207.4367 | 2186.0109 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.18 Put | 41,000 | 2227.2786 | 2205.8296 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.20 Call | 73 | 3.2274 | 3.7563 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.22 Put | 2,000 | 2266.9830 | 2245.4904 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.42 Call | 5,460 | 2.2205 | 2.5925 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.44 Call | 10,000 | 2.2020 | 2.5698 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.45 Call | 17,000 | 2.1929 | 2.5588 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.49 Put | 80,000 | 2536.0580 | 2514.4161 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.50 Call | 10,490 | 2.1497 | 2.5058 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.50 Put | 400 | 2546.0497 | 2524.4058 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.52 Put | 850 | 2566.0332 | 2544.3857 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.54 Call | 7,500 | 2.1173 | 2.4662 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.57 Call | 100 | 2.0943 | 2.4380 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.60 Call | 100 | 2.0724 | 2.4111 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.75 Call | 25,047 | 1.9766 | 2.2929 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.86 Call | 15,000 | 1.9193 | 2.2218 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.90 Call | 5,000 | 1.9008 | 2.1987 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.91 Call | 18,718 | 1.8964 | 2.1932 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 15.00 Call | 6,126 | 1.8597 | 2.1471 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 15.11 Call | 2,500 | 1.8219 | 2.0990 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 15.26 Call | 2,500 | 1.7812 | 2.0466 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 15.46 Call | 3,867 | 1.7436 | 1.9963 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 15.50 Call | 35,000 | 1.7381 | 1.9886 | 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> |
|-------------|-----------------|------------|-----------------|------------|-----------------|-------------|------------|---------------------|--------------------------|
| Mar 2018 | ZAUS | 15.57 Call | 6,000 | 1.6642 | 1.9038 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 15.69 Call | 750 | 1.2984 | 1.4922 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 16.00 Call | 13,176 | 0.6738 | 0.7838 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 16.16 Call | 225,000 | 0.4765 | 0.5578 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 11.00 Put | 750 | 45.0470 | 44.6909 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 11.50 Put | 66 | 156.2602 | 152.9403 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.00 Put | 20,000 | 373.0207 | 367.9116 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.12 Put | 372 | 440.4094 | 434.8366 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.14 Call | 8,000 | 423.4459 | 439.5126 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.15 Put | 250 | 458.3719 | 0.0000 | 0.0000 | 0.0000 | 250 | 0.00 |
| Jun 2018 | ZAUS | 12.25 Put | 2,415 | 520.5586 | 514.0282 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.30 Put | 24,500 | 552.9358 | 546.1215 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.40 Put | 12,603 | 620.1156 | 612.7310 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.50 Put | 114,600 | 690.3167 | 682.3679 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.75 Put | 66 | 877.4259 | 868.1797 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.96 Put | 2,700 | 1045.2714 | 1034.2880 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.00 Put | 28,358 | 1078.2099 | 1066.9162 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.05 Put | 1,250 | 1119.7803 | 1108.1038 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.17 Put | 965 | 1221.2146 | 1208.6654 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.20 Put | 372 | 1246.9166 | 1234.1587 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.22 Put | 15,000 | 1264.1235 | 1251.2269 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.30 Put | 25,550 | 1333.5050 | 1320.0775 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.46 Put | 5,183 | 1472.9840 | 1459.0799 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.48 Put | 7,420 | 1490.6445 | 1476.6156 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.50 Put | 114,600 | 1508.3522 | 1494.1980 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.64 Put | 70,530 | 1633.5560 | 1618.5739 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.75 Put | 2,415 | 1733.3259 | 1717.7467 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.80 Put | 500 | 1779.0426 | 1763.2069 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.81 Put | 40,000 | 1788.2105 | 1772.3270 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.83 Put | 300 | 1806.5748 | 1790.5900 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.84 Put | 500 | 1815.7678 | 1799.7361 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.90 Put | 1,000 | 1871.1021 | 1854.7824 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 14.00 Put | 5,630 | 1963.9297 | 1947.1609 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 14.10 Put | 7,028 | 2057.4492 | 2040.2633 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 14.25 Put | 2,000 | 2198.8761 | 2181.1259 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 14.53 Call | 7,600 | 46.8485 | 50.3060 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 14.71 Call | 50 | 39.2348 | 42.0490 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 14.81 Call | 500 | 35.5768 | 37.6980 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 15.00 Call | 500 | 29.5830 | 30.6114 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 15.11 Call | 760 | 26.6117 | 27.1252 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 15.14 Call | 2,700 | 25.8572 | 26.2448 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 15.22 Call | 372 | 23.9562 | 24.0314 | 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 2018 | ZAUS | 15.30 Call | 24,500 | 22.2042 | 22.0036 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAUS | 15.43 Call | 15,000 | 19.6451 | 19.0645 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAUS | 15.50 Call | 114,600 | 18.4004 | 17.6473 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAUS | 15.53 Call | 965 | 17.8936 | 17.0729 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAUS | 15.79 Call | 40,000 | 13.8810 | 12.8150 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAUS | 16.16 Call | 5,183 | 8.5637 | 7.8246 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAUS | 16.38 Call | 750 | 6.3813 | 5.7855 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAUS | 16.41 Call | 300 | 6.1280 | 5.5499 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAUS | 16.49 Call | 7,420 | 5.4981 | 4.9651 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAUS | 16.52 Call | 66 | 5.2781 | 4.7612 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAUS | 16.65 Call | 500 | 4.4174 | 3.9658 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAUS | 16.92 Call | 2,415 | 3.0362 | 2.6981 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAUS | 17.00 Call | 3,500 | 2.7133 | 2.4037 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAUS | 17.21 Call | 500 | 2.0142 | 1.7698 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAUS | 17.28 Call | 5,630 | 1.8222 | 1.5966 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAUS | 17.38 Call | 7,028 | 1.5780 | 1.3771 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2018 | ZAUS | 11.75 Put | 73,314 | 302.1833 | 300.3402 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2018 | ZAUS | 12.61 Put | 5,300 | 792.5278 | 787.3468 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2018 | ZAUS | 12.65 Put | 1,550 | 820.2700 | 814.8903 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2018 | ZAUS | 12.85 Put | 750 | 964.2652 | 957.8920 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2018 | ZAUS | 13.25 Put | 73,314 | 1275.9532 | 1267.1530 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2018 | ZAUS | 13.65 Call | 1,464 | 220.1142 | 231.0428 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2018 | ZAUS | 15.97 Call | 5,300 | 59.8616 | 63.6131 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2018 | ZAUS | 16.04 Call | 1,550 | 56.4709 | 60.0651 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2018 | ZAUS | 16.14 Call | 750 | 51.9333 | 55.3118 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2018 | ZAUS | 16.29 Call | 73,314 | 45.7552 | 48.8296 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2018 | ZAUS | 12.96 Put | 23,443 | 1047.9277 | 1044.2870 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2018 | ZAUS | 14.89 Call | 1,000 | 172.4930 | 180.9410 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2018 | ZAUS | 15.95 Call | 2,000 | 115.4454 | 119.6947 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2018 | ZAUS | 17.24 Call | 23,443 | 50.1571 | 54.6026 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | 20.00 Call | 2,000 | 132.6780 | 135.5590 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>2,533,449</u> | | | | | <u>250.00</u> | <u>0.00</u> | <u>44 231 103.00</u> | <u>0.00</u> |
| | Total | | 3,571,134 | | | | | 192,227.00 | 2,300,035,726.40 | 209 116 226.00 | 1 942 325 750 305.80 |
| Grand Total | | | 6,086,201 | | | | | 328,748.00 | 2 424 431 154.60 | 282,705,408 | 2,676,424,503,922.57 |