



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 06-March-2018

| DATE | CONTRACT | | OPEN INT | MTM | PREV MTM | HIGH | LOW | DAILY VOLUME | | CUMULATIVE VOLUME | |
|---------------|----------|--------------|--------------|----------|----------|--------|--------|--------------|-------------|-------------------|-------------------|
| Future | | | | | | | | | | | |
| Mar 2018 | CAHB | Future | 5,000 | 6.4282 | 19.2968 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | 5,000 | | | | | 0.00 | 0.00 | 5 000.00 | 0.50 |
| | | Total | 5,000 | | | | | 0.00 | 0.00 | 5 000.00 | 0.50 |
| Future | | | | | | | | | | | |
| Mar 2018 | CAHC | Future | 5,000 | 2.7129 | 10.2663 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | 5,000 | | | | | 0.00 | 0.00 | 250.00 | 0.03 |
| | | Total | 5,000 | | | | | 0.00 | 0.00 | 250.00 | 0.03 |
| Future | | | | | | | | | | | |
| Mar 2018 | CAHE | Future | 5,000 | 175.9087 | 461.8220 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | 5,000 | | | | | 0.00 | 0.00 | 250.00 | 146 250.00 |
| | | Total | 5,000 | | | | | 0.00 | 0.00 | 250.00 | 146 250.00 |
| Future | | | | | | | | | | | |
| Mar 2018 | DAAD | Future | 4 | 9.2037 | 9.2098 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2018 | DAAD | Future | 46 | 9.2227 | 9.2292 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | 50 | | | | | 0.00 | 0.00 | 77 166.00 | 731 212 213.80 |
| | | Total | 50 | | | | | 0.00 | 0.00 | 146 166.00 | 731 212 213.80 |
| Future | | | | | | | | | | | |
| Mar 2018 | DAEU | Future | 63 | 14.5974 | 14.6766 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2018 | DAEU | Future | 3 | 14.6405 | 14.7213 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2018 | DAEU | Future | 107 | 14.6901 | 14.7704 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2018 | DAEU | Future | 16 | 14.7480 | 14.8292 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | 189 | | | | | 0.00 | 0.00 | 790 445.00 | 11 797 900 287.40 |
| | | Total | 189 | | | | | 0.00 | 0.00 | 1 737 232.00 | 11 797 900 287.40 |

Future

| <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 | DAGB | Future | 38 | 16.3671 | 16.4570 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2018 | DAGB | Future | 9 | 16.5136 | 16.6054 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>47</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>53 672.00</u> | <u>880 560 386.40</u> |
| | Total | | 47 | | | | | 0.00 | 0.00 | 260 985.00 | 880 560 386.40 |

Future

| | | | | | | | | | | | |
|----------|------|--------|----------------|---------|---------|--------|--------|------------------|-------------------------|---------------------|--------------------------|
| Mar 2018 | DAUS | Future | 6,178 | 11.7732 | 11.9065 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2018 | DAUS | Future | 30,000 | 11.7854 | 11.9189 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2018 | DAUS | Future | 50,000 | 11.7958 | 11.9296 | 0.0000 | 0.0000 | 50,000 | 591,323,200.00 | | |
| Mar 2018 | DAUS | Future | 1,199 | 11.7975 | 11.9314 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2018 | DAUS | Future | 20,000 | 11.8115 | 11.9456 | 0.0000 | 0.0000 | 46,000 | 544,452,400.00 | | |
| Apr 2018 | DAUS | Future | 54 | 11.8281 | 11.9625 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2018 | DAUS | Future | 70 | 11.8411 | 11.9758 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2018 | DAUS | Future | 506 | 11.8508 | 11.9858 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| May 2018 | DAUS | Future | 70 | 11.8686 | 12.0038 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| May 2018 | DAUS | Future | 181 | 11.9003 | 12.0359 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | DAUS | Future | 445 | 11.9456 | 12.0823 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jul 2018 | DAUS | Future | 100 | 11.9503 | 12.0871 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jul 2018 | DAUS | Future | 1,800 | 11.9782 | 12.1159 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jul 2018 | DAUS | Future | 500 | 11.9844 | 12.1223 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jul 2018 | DAUS | Future | 70 | 11.9860 | 12.1239 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jul 2018 | DAUS | Future | 1,853 | 11.9953 | 12.1335 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Aug 2018 | DAUS | Future | 70 | 12.0154 | 12.1543 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Aug 2018 | DAUS | Future | 1,766 | 12.0434 | 12.1831 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2018 | DAUS | Future | 1,295 | 12.0862 | 12.2276 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2018 | DAUS | Future | 70 | 12.1272 | 12.2704 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2018 | DAUS | Future | 225 | 12.1332 | 12.2768 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2018 | DAUS | Future | 430 | 12.1363 | 12.2800 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2018 | DAUS | Future | 70 | 12.1560 | 12.3006 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Feb 2019 | DAUS | Future | 70 | 12.2948 | 12.4428 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jul 2020 | DAUS | Future | 84,000 | 13.1444 | 13.3291 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>201,022</u> | | | | | <u>96,000.00</u> | <u>1,135,775,600.00</u> | <u>8 177 759.00</u> | <u>99 347 911 757.00</u> |

Option

| | | | | | | | | | | | |
|----------|------|------------|---------|----------|----------|--------|--------|--------|------|--|--|
| Mar 2018 | DAUS | 11.80 Call | 20,000 | 48.7287 | 136.7516 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2018 | DAUS | 11.66 Call | 50,000 | 231.4559 | 328.9756 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2018 | DAUS | 11.85 Call | 50,000 | 134.4880 | 0.0000 | 0.0000 | 0.0000 | 50,000 | 0.00 | | |
| Mar 2018 | DAUS | 11.73 Put | 252 | 128.4249 | 0.0000 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2018 | DAUS | 11.76 Put | 546 | 142.7585 | 96.4052 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2018 | DAUS | 11.83 Call | 252 | 147.8967 | 0.0000 | 0.0000 | 0.0000 | 252 | 0.00 | | |
| Mar 2018 | DAUS | 11.87 Call | 546 | 132.0613 | 205.4170 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2018 | DAUS | 13.00 Call | 4,000 | 2.9548 | 6.8740 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2018 | DAUS | 11.61 Call | 120,000 | 300.1332 | 403.4196 | 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> |
|-------------|-----------------|------------|-----------------|------------|-----------------|-------------|------------|---------------------|--------------------------|
| Apr 2018 | DAUS | 12.00 Call | 100,000 | 120.2568 | 180.0360 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2018 | DAUS | 15.00 Put | 1,000 | 3158.6897 | 3024.1991 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2018 | DAUS | 15.81 Call | 2,000 | 0.5779 | 0.9585 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2018 | DAUS | 11.70 Put | 400 | 179.0643 | 136.2213 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2018 | DAUS | 12.10 Call | 400 | 164.1095 | 221.6042 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2018 | DAUS | 13.80 Put | 1,000 | 1954.3167 | 1822.9607 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2018 | DAUS | 15.23 Call | 500 | 1.6460 | 1.9646 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2018 | DAUS | 15.66 Call | 500 | 0.9458 | 1.5209 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 11.50 Put | 2,000 | 106.4880 | 77.8879 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 11.80 Call | 2,000 | 284.2738 | 368.8175 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 12.50 Call | 2,000 | 83.9332 | 117.6671 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 12.74 Put | 1,880 | 939.8287 | 830.7664 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 13.86 Put | 1,880 | 2001.4055 | 1870.8571 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 15.63 Call | 1,880 | 1.3719 | 2.2680 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 12.75 Put | 11,000 | 948.5667 | 840.4692 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 14.50 Put | 11,000 | 2629.9447 | 2495.5436 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 15.76 Call | 11,000 | 1.2536 | 2.0787 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 10.90 Put | 1,000 | 18.6160 | 11.4378 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 11.70 Put | 1,000 | 200.3097 | 156.8400 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 12.20 Call | 1,000 | 175.6445 | 229.2273 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 12.00 Put | 51,000 | 368.0142 | 300.1682 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 13.80 Put | 1,000 | 1920.9649 | 1794.7636 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 15.43 Call | 500 | 2.5520 | 3.4848 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2018 | DAUS | 15.89 Call | 500 | 1.0441 | 1.7069 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | DAUS | 13.80 Put | 1,000 | 1899.9394 | 1776.8303 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | DAUS | 15.62 Call | 500 | 3.4650 | 5.2204 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | DAUS | 16.10 Call | 500 | 1.4604 | 2.3397 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2018 | DAUS | 12.07 Put | 2,000 | 460.2612 | 391.4413 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2018 | DAUS | 13.60 Call | 1,000 | 64.6775 | 82.3308 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2018 | DAUS | 13.73 Call | 1,000 | 55.9564 | 71.4893 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2018 | DAUS | 14.45 Put | 1,500 | 2500.2908 | 2373.6422 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2018 | DAUS | 15.94 Call | 1,500 | 3.0183 | 5.0939 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2018 | DAUS | 13.80 Put | 1,000 | 1880.2865 | 1759.7553 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2018 | DAUS | 15.82 Call | 500 | 6.3694 | 9.5203 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2018 | DAUS | 16.32 Call | 500 | 2.9734 | 4.6357 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2018 | DAUS | 12.32 Put | 1,880 | 646.3149 | 566.3603 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2018 | DAUS | 13.86 Put | 1,880 | 1932.0036 | 1810.9936 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2018 | DAUS | 16.18 Call | 1,880 | 6.1490 | 8.8031 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2018 | DAUS | 13.80 Put | 1,000 | 1864.4141 | 1746.1400 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2018 | DAUS | 16.05 Call | 500 | 16.1363 | 21.7213 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2018 | DAUS | 16.57 Call | 500 | 8.7945 | 12.1663 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2018 | DAUS | 13.80 Put | 1,000 | 1852.9192 | 1736.6476 | 0.0000 | 0.0000 | 0 | 0.00 |

| DATE | CONTRACT | | OPEN INT | MTM | PREV MTM | HIGH | LOW | DAILY VOLUME | CUMULATIVE VOLUME | | |
|---------------|----------|------------|----------------|-----------|-----------|--------|--------|-------------------|-------------------------|----------------------|--------------------------|
| Sep 2018 | DAUS | 16.25 Call | 500 | 23.0964 | 29.7868 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2018 | DAUS | 16.80 Call | 500 | 13.1452 | 17.3298 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2018 | DAUS | 13.80 Put | 1,000 | 1841.3234 | 1726.4965 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2018 | DAUS | 16.47 Call | 500 | 29.9197 | 38.3028 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2018 | DAUS | 17.02 Call | 500 | 18.0479 | 23.5876 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2018 | DAUS | 11.90 Put | 1,880 | 445.2904 | 386.5624 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2018 | DAUS | 13.86 Put | 1,880 | 1891.8425 | 1776.1584 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2018 | DAUS | 16.81 Call | 1,880 | 23.3825 | 30.1617 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2018 | DAUS | 10.83 Put | 51,000 | 95.9916 | 78.9100 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2018 | DAUS | 11.67 Put | 51,000 | 341.8879 | 292.4655 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2018 | DAUS | 13.22 Call | 51,000 | 291.4379 | 331.8469 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2018 | DAUS | 13.80 Put | 1,000 | 1831.6032 | 1718.8424 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2018 | DAUS | 16.70 Call | 500 | 34.8498 | 44.0421 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2018 | DAUS | 17.31 Call | 500 | 20.7701 | 26.7907 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2018 | DAUS | 13.65 Put | 20,000 | 1701.1807 | 1591.6327 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2018 | DAUS | 15.69 Call | 20,000 | 81.6422 | 92.9851 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2018 | DAUS | 13.80 Put | 1,000 | 1823.1346 | 1710.5705 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2018 | DAUS | 16.93 Call | 500 | 40.0055 | 48.7984 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2018 | DAUS | 17.58 Call | 500 | 23.9896 | 29.7298 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>677,316</u> | | | | | <u>50,252.00</u> | <u>0.00</u> | <u>17 571 763.00</u> | <u>0.00</u> |
| Total | | | 878,338 | | | | | 146,252.00 | 1,135,775,600.00 | 25 749 522.00 | 99 347 911 757.00 |
| Future | | | | | | | | | | | |
| Mar 2018 | EUUS | Future | 190 | 1.2402 | 1.2329 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>190</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>703 248.00</u> | <u>7 962 658 462.00</u> |
| Total | | | 190 | | | | | 0.00 | 0.00 | 703 248.00 | 7 962 658 462.00 |
| Option | | | | | | | | | | | |
| Mar 2018 | JYZA | 9.07 Call | 11,700 | 683.5492 | 356.9858 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | JYZA | 8.89 Put | 1,200 | 3280.1450 | 3996.6413 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>12,900</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>23 400.00</u> | <u>0.00</u> |
| Total | | | 12,900 | | | | | 0.00 | 0.00 | 23 400.00 | 0.00 |
| Future | | | | | | | | | | | |
| Mar 2018 | ZAAD | Future | 6,582 | 9.2090 | 9.2153 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2018 | ZAAD | Future | 5,986 | 9.3279 | 9.3352 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2018 | ZAAD | Future | 400 | 9.4446 | 9.4538 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2018 | ZAAD | Future | 10,812 | 9.5569 | 9.5691 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>23,780</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>3 550 820.00</u> | <u>30 704 045 281.20</u> |
| Total | | | 23,780 | | | | | 0.00 | 0.00 | 3 583 197.00 | 30 704 045 281.20 |

| DATE | CONTRACT | | OPEN INT | MTM | PREV MTM | HIGH | LOW | DAILY VOLUME | CUMULATIVE VOLUME |
|---------------|----------|--------------|----------------|-----------|-----------|---------|---------|-------------------|-------------------------|
| Future | | | | | | | | | |
| Mar 2018 | ZACA | Future | 600 | 9.1312 | 9.1837 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZACA | Future | 430 | 9.2641 | 9.3177 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | <u>1,030</u> | | | | | <u>0.00</u> | <u>0.00</u> |
| | | Total | 1,030 | | | | | 0.00 | 0.00 |
| | | | | | | | | | 128 233.00 |
| | | | | | | | | | 1 261 364 917.10 |
| Future | | | | | | | | | |
| Mar 2018 | ZAEU | Future | 83,319 | 14.6094 | 14.6889 | 14.6000 | 14.5500 | 45,486 | 664,716,756.00 |
| Jun 2018 | ZAEU | Future | 73,694 | 14.8977 | 14.9804 | 14.9000 | 14.9000 | 44,097 | 656,924,217.50 |
| Sep 2018 | ZAEU | Future | 45,432 | 15.1816 | 15.2692 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2018 | ZAEU | Future | 2,971 | 15.4612 | 15.5548 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAEU | Future | 1,091 | 15.7641 | 15.8585 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAEU | Future | 3,542 | 16.0007 | 16.1068 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | <u>210,049</u> | | | | | <u>89,583.00</u> | <u>1,321,640,973.50</u> |
| | | | | | | | | | 14 043 922.00 |
| | | | | | | | | | 199 640 315 729.20 |
| Option | | | | | | | | | |
| Mar 2018 | ZAEU | 14.45 Put | 10,000 | 77.2584 | 67.1028 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAEU | 14.62 Put | 10,000 | 142.3433 | 122.6943 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAEU | 15.05 Put | 5,648 | 467.4069 | 407.2978 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAEU | 15.10 Put | 14,172 | 512.5664 | 449.7051 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAEU | 16.50 Call | 643 | 0.3004 | 0.6305 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAEU | 17.00 Call | 620 | 0.0714 | 0.1405 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAEU | 13.50 Put | 29,734 | 25.1112 | 20.8558 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAEU | 13.75 Put | 50,995 | 47.9812 | 41.5581 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAEU | 13.97 Put | 6,460 | 79.5769 | 70.8088 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAEU | 14.25 Put | 29,734 | 142.8124 | 128.7505 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAEU | 14.30 Call | 10,000 | 755.6000 | 0.0000 | 0.0000 | 0.0000 | 10,000 | 0.00 |
| Jun 2018 | ZAEU | 14.40 Call | 10,000 | 688.7989 | 0.0000 | 0.0000 | 0.0000 | 10,000 | 0.00 |
| Jun 2018 | ZAEU | 15.00 Call | 3,000 | 375.8335 | 0.0000 | 0.0000 | 0.0000 | 3,000 | 0.00 |
| Jun 2018 | ZAEU | 15.25 Put | 50,995 | 642.2731 | 599.3471 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAEU | 15.63 Call | 29,734 | 194.6859 | 224.6726 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAEU | 16.00 Call | 3,000 | 130.5535 | 153.2447 | 0.0000 | 0.0000 | 3,000 | 0.00 |
| Jun 2018 | ZAEU | 16.44 Put | 6,460 | 1623.3895 | 1556.9773 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAEU | 18.61 Call | 6,460 | 11.3145 | 13.3193 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAEU | 20.55 Call | 50,995 | 2.1668 | 3.2264 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2018 | ZAEU | 13.50 Put | 29,734 | 57.5789 | 56.5641 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2018 | ZAEU | 14.25 Put | 86,824 | 191.8912 | 175.8363 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2018 | ZAEU | 15.85 Put | 86,824 | 1039.6006 | 988.9319 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2018 | ZAEU | 16.76 Call | 29,734 | 196.0649 | 219.7002 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2018 | ZAEU | 19.56 Call | 86,824 | 24.0928 | 28.3107 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | <u>648,590</u> | | | | | <u>26,000.00</u> | <u>0.00</u> |
| | | Total | 858,639 | | | | | 115,583.00 | 1,321,640,973.50 |
| | | | | | | | | | 21 961 191.00 |
| | | | | | | | | | 199 640 315 729.20 |

| DATE | CONTRACT | | OPEN INT | MTM | PREV MTM | HIGH | LOW | DAILY VOLUME | CUMULATIVE VOLUME |
|---------------|----------|--------------|----------------|-----------|-----------|---------|---------|------------------|----------------------------------|
| Future | | | | | | | | | |
| Mar 2018 | ZAFR | Future | 1,215 | 12.5638 | 12.7101 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | <u>1,215</u> | | | | | <u>0.00</u> | <u>0.00</u> |
| | | Total | 1,215 | | | | | 0.00 | 0.00 |
| | | | | | | | | | 605 550.00 6 459 053 543.50 |
| | | | | | | | | | 605 550.00 6 459 053 543.50 |
| Future | | | | | | | | | |
| Mar 2018 | ZAGB | Future | 170,586 | 16.3787 | 16.4689 | 16.4433 | 16.3462 | 16,811 | 275,354,330.50 |
| Jun 2018 | ZAGB | Future | 31,473 | 16.6544 | 16.7479 | 16.6426 | 16.6000 | 16,191 | 269,682,774.00 |
| Sep 2018 | ZAGB | Future | 13,662 | 16.9163 | 17.0163 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2018 | ZAGB | Future | 898 | 17.1692 | 17.2770 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAGB | Future | 951 | 17.4452 | 17.5546 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAGB | Future | 3,115 | 17.7029 | 17.8232 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | <u>220,685</u> | | | | | <u>33,002.00</u> | <u>545,037,104.50</u> |
| | | | | | | | | | 9 976 690.00 166 979 416 679.60 |
| Option | | | | | | | | | |
| Mar 2018 | ZAGB | 17.00 Put | 500 | 701.6339 | 637.5584 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAGB | 19.00 Call | 1,500 | 1.8086 | 2.5130 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAGB | 20.14 Call | 500 | 0.3307 | 0.5265 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAGB | 17.50 Put | 500 | 1247.5715 | 1188.6856 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAGB | 20.40 Call | 500 | 52.0798 | 56.1755 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | <u>3,500</u> | | | | | <u>0.00</u> | <u>0.00</u> |
| | | Total | 224,185 | | | | | 33,002.00 | 545,037,104.50 |
| | | | | | | | | | 11 750 803.00 166 979 416 679.60 |
| Future | | | | | | | | | |
| Mar 2018 | ZAJY | Future | 8,286 | 0.1111 | 0.1127 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | <u>8,286</u> | | | | | <u>0.00</u> | <u>0.00</u> |
| | | Total | 8,286 | | | | | 0.00 | 0.00 |
| | | | | | | | | | 961 631.00 10 715 627 569.50 |
| | | | | | | | | | 961 631.00 10 715 627 569.50 |
| Future | | | | | | | | | |
| Jun 2018 | ZAKS | Future | 1,145 | 0.1156 | 0.1168 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2018 | ZAKS | Future | 562 | 0.1153 | 0.1161 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | <u>1,707</u> | | | | | <u>0.00</u> | <u>0.00</u> |
| | | Total | 1,707 | | | | | 0.00 | 0.00 |
| | | | | | | | | | 31 923.00 432 652 210.00 |
| | | | | | | | | | 31 923.00 432 652 210.00 |
| Future | | | | | | | | | |
| Jun 2018 | ZATR | Future | 6,380 | 3.0540 | 3.0659 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | <u>6,380</u> | | | | | <u>0.00</u> | <u>0.00</u> |
| | | Total | 6,380 | | | | | 0.00 | 0.00 |
| | | | | | | | | | 244 569.00 880 239 905.50 |
| | | | | | | | | | 244 569.00 880 239 905.50 |
| Future | | | | | | | | | |
| Mar 2018 | ZAUM | Future | 466 | 11.7801 | 11.9136 | 11.7729 | 11.7723 | 25 | 29,518,300.00 |
| Jun 2018 | ZAUM | Future | 138 | 11.9285 | 12.0648 | 11.9164 | 11.9164 | 5 | 5,958,200.00 |

| DATE | CONTRACT | | OPEN INT | MTM | PREV MTM | HIGH | LOW | DAILY VOLUME | CUMULATIVE VOLUME |
|---------------|----------|--------------|------------|-----------|-----------|---------|---------|--------------|----------------------|
| Sep 2018 | ZAUM | Future | 45 | 12.0695 | 12.2102 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2018 | ZAUM | Future | 3 | 12.2030 | 12.3494 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | 652 | | | | | 30.00 | 35,476,500.00 |
| | | Total | 652 | | | | | 30.00 | 35,476,500.00 |
| | | | | | | | | | 147 990.00 |
| | | | | | | | | | 170 308 014 200.00 |
| | | | | | | | | | 152 513.00 |
| | | | | | | | | | 170 308 014 200.00 |
| Future | | | | | | | | | |
| Mar 2018 | ZAUS | Future | 809,776 | 11.7801 | 11.9136 | 11.8768 | 11.7400 | 159,036 | 1,873,912,189.50 |
| Jun 2018 | ZAUS | Future | 347,884 | 11.9285 | 12.0648 | 12.0137 | 11.8855 | 136,032 | 1,620,828,117.40 |
| Sep 2018 | ZAUS | Future | 38,389 | 12.0695 | 12.2102 | 12.0710 | 12.0710 | 3 | 36,213.00 |
| Dec 2018 | ZAUS | Future | 18,500 | 12.2030 | 12.3494 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | Future | 400 | 12.3446 | 12.4941 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | Future | 869 | 12.4785 | 12.6352 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | 1,215,818 | | | | | 295,071.00 | 3,494,776,519.90 |
| | | | | | | | | | 168 083 547.00 |
| | | | | | | | | | 1 980 469 882 978.80 |
| Option | | | | | | | | | |
| Mar 2018 | ZAUS | 11.45 Put | 2,250 | 23.3934 | 12.7619 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 11.50 Put | 32,520 | 30.6310 | 17.2994 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 11.60 Put | 750 | 50.9916 | 30.5275 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 11.67 Put | 10,000 | 71.0657 | 44.0052 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 11.68 Put | 10,000 | 74.3878 | 46.2673 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 11.72 Put | 10,000 | 88.9031 | 56.2394 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 11.80 Put | 90,000 | 127.5422 | 81.0452 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 11.99 Put | 40,000 | 256.2442 | 174.1472 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 12.00 Put | 227,000 | 264.0741 | 180.4960 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 12.20 Put | 32,520 | 435.8062 | 327.9483 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 12.25 Put | 3,750 | 482.0259 | 369.7760 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 12.36 Put | 20,880 | 586.5561 | 466.6745 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 12.40 Put | 2,500 | 625.5552 | 503.2299 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 12.47 Call | 750 | 4.2899 | 12.0852 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 12.50 Put | 25,380 | 723.7241 | 596.8689 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 12.55 Call | 2,000 | 3.1723 | 8.6090 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 12.70 Call | 11,000 | 1.8754 | 4.8798 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 12.70 Put | 2,000 | 921.7754 | 791.2798 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 12.82 Put | 10,323 | 1041.1775 | 909.5702 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 12.94 Put | 5,000 | 1160.7977 | 1028.5047 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 12.95 Call | 13,200 | 0.8724 | 2.0361 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.00 Call | 41,000 | 0.7024 | 1.7293 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.00 Put | 80,146 | 1220.6024 | 1088.1293 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.20 Call | 1,000 | 0.3008 | 0.8295 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.20 Put | 373 | 1420.2008 | 1287.2295 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.22 Put | 15,000 | 1440.1769 | 1307.1632 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.25 Put | 2,478 | 1470.1446 | 1337.0738 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.32 Put | 7,500 | 1540.0839 | 1406.9047 | 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 | 13.35 Call | 2,000 | 0.1629 | 0.4462 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.38 Put | 2,500 | 1600.0445 | 1466.7948 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.40 Put | 7,500 | 1620.0334 | 1486.7639 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.50 Call | 35,000 | 0.0902 | 0.2432 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.50 Put | 17,750 | 1719.9902 | 1586.6432 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.60 Put | 98,694 | 1819.9616 | 1686.5636 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.66 Call | 10,000 | 0.0492 | 0.1294 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.70 Call | 25,150 | 0.0425 | 0.1108 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.74 Put | 20,880 | 1959.9367 | 1826.4951 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.76 Call | 4,000 | 0.0342 | 0.0881 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.79 Call | 2,000 | 0.0307 | 0.0786 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.84 Put | 1,000 | 2059.9257 | 1926.4651 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.91 Put | 7,000 | 2129.9202 | 1996.4502 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.93 Call | 100 | 0.0188 | 0.0467 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.93 Put | 10,323 | 2149.9188 | 2016.4467 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.95 Put | 1,000 | 2169.9176 | 2036.4434 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 13.98 Put | 200 | 2199.9159 | 2066.4389 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.00 Call | 10,000 | 0.0149 | 0.0362 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.02 Call | 55 | 0.0139 | 0.0337 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.05 Put | 500 | 2269.9126 | 2136.4302 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.07 Call | 100 | 0.0118 | 0.0282 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.12 Call | 4,951 | 0.0119 | 0.0236 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.16 Put | 750 | 2379.9145 | 2246.4205 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.18 Put | 41,000 | 2399.9160 | 2266.4192 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.20 Call | 73 | 0.0176 | 0.0179 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.22 Put | 2,000 | 2439.9193 | 2306.4167 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.44 Call | 10,000 | 0.0463 | 0.0030 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.45 Call | 17,000 | 0.0479 | 0.0027 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.49 Put | 80,000 | 2709.9549 | 2576.4017 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.50 Call | 10,490 | 0.0568 | 0.0015 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.50 Put | 400 | 2719.9568 | 2586.4015 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.52 Put | 850 | 2739.9606 | 2606.4012 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.54 Call | 7,500 | 0.0647 | 0.0010 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.57 Call | 100 | 0.0710 | 0.0007 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.60 Call | 100 | 0.0778 | 0.0005 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.75 Call | 25,047 | 0.1185 | 0.0001 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.86 Call | 15,000 | 0.1561 | 0.0000 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.90 Call | 5,000 | 0.1715 | 0.0000 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 14.91 Call | 18,718 | 0.1755 | 0.0000 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 15.00 Call | 6,126 | 0.2144 | 0.0000 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 15.11 Call | 2,500 | 0.2691 | 0.0000 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 15.26 Call | 2,500 | 0.3573 | 0.0000 | 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 | 15.46 Call | 3,867 | 0.2484 | 0.0000 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 15.50 Call | 35,000 | 0.2226 | 0.0000 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 15.57 Call | 6,000 | 0.1836 | 0.0000 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 15.69 Call | 750 | 0.1314 | 0.0000 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 16.00 Call | 13,176 | 0.0543 | 0.0000 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2018 | ZAUS | 16.16 Call | 225,000 | 0.0340 | 0.0000 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 11.00 Put | 60,750 | 42.2438 | 31.2211 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 11.20 Put | 2,550 | 76.5834 | 58.2790 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 11.35 Call | 10,000 | 691.3681 | 802.4941 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 11.45 Call | 10,000 | 621.9669 | 727.1138 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 11.50 Put | 66 | 160.5730 | 126.6566 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 11.70 Call | 60 | 469.7476 | 560.4512 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 11.75 Put | 60,000 | 264.4700 | 215.8592 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 11.77 Put | 76,000 | 274.0985 | 224.2765 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 11.90 Put | 2,000 | 341.2825 | 283.5756 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.00 Call | 3,000 | 327.6453 | 399.3163 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.00 Put | 35,050 | 399.1453 | 334.5163 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.12 Put | 372 | 475.3360 | 402.7576 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.13 Call | 500 | 280.4465 | 343.5942 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.14 Call | 8,000 | 277.0956 | 339.6751 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.14 Put | 155,500 | 488.5956 | 414.8751 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.15 Put | 500 | 495.2832 | 420.9974 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.24 Call | 500 | 245.6451 | 302.7108 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.25 Put | 2,415 | 564.1980 | 484.4303 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.30 Put | 24,500 | 599.9764 | 517.5901 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.40 Put | 12,603 | 673.9741 | 586.6135 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.50 Call | 2,550 | 179.4567 | 223.7755 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.50 Put | 114,600 | 750.9567 | 658.9755 | 0.0000 | 0.0000 | 52,400 | 0.00 |
| Jun 2018 | ZAUS | 12.75 Put | 66 | 953.7279 | 852.2085 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 12.96 Put | 2,700 | 1133.9615 | 1025.7064 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.00 Call | 15,500 | 97.6444 | 124.5515 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.00 Put | 21,728 | 1169.1444 | 1059.7515 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.05 Put | 1,250 | 1213.4592 | 1102.7107 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.17 Put | 965 | 1321.0361 | 1207.4799 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.20 Put | 372 | 1347.9985 | 1234.0123 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.30 Put | 25,500 | 1438.6939 | 1322.9079 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.35 Call | 60,000 | 62.9808 | 82.4404 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.46 Put | 5,183 | 1586.1339 | 1467.1573 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.48 Put | 7,420 | 1604.7432 | 1485.4027 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.50 Put | 114,600 | 1623.3890 | 1503.6920 | 0.0000 | 0.0000 | 104,800 | 0.00 |
| Jun 2018 | ZAUS | 13.64 Put | 70,530 | 1754.8517 | 1632.8606 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.75 Put | 2,415 | 1859.1758 | 1735.6053 | 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 | 13.80 Put | 500 | 1906.8578 | 1782.6286 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.81 Put | 40,000 | 1916.4132 | 1792.0564 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.83 Put | 300 | 1935.5398 | 1810.9325 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.84 Put | 500 | 1945.1126 | 1820.3807 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 13.90 Put | 1,000 | 2002.6623 | 1877.2179 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 14.00 Put | 500 | 2098.9893 | 1972.4548 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 14.10 Put | 7,028 | 2195.7743 | 2068.2619 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 14.25 Put | 2,000 | 2341.6837 | 2212.8933 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 14.53 Call | 7,600 | 13.7945 | 19.5462 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 14.71 Call | 50 | 10.6430 | 15.0238 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 14.81 Call | 500 | 9.2148 | 12.9680 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 15.11 Call | 760 | 5.9844 | 8.3111 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 15.14 Call | 2,700 | 5.7320 | 7.9475 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 15.22 Call | 372 | 5.1108 | 7.0529 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 15.30 Call | 24,500 | 4.5577 | 6.2573 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 15.43 Call | 15,000 | 3.7856 | 5.1493 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 15.50 Call | 114,600 | 3.4266 | 4.6356 | 0.0000 | 0.0000 | 52,400 | 0.00 |
| Jun 2018 | ZAUS | 15.53 Call | 965 | 3.2837 | 4.4312 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 15.79 Call | 40,000 | 2.0558 | 2.8798 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 16.16 Call | 5,183 | 1.0220 | 1.4597 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 16.38 Call | 750 | 0.6669 | 0.9635 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 16.41 Call | 300 | 0.6288 | 0.9099 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 16.49 Call | 7,420 | 0.5371 | 0.7804 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 16.52 Call | 66 | 0.5061 | 0.7366 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 16.65 Call | 500 | 0.3907 | 0.5724 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 16.92 Call | 2,415 | 0.2262 | 0.3361 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 17.00 Call | 3,500 | 0.1920 | 0.2864 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 17.21 Call | 500 | 0.1243 | 0.1874 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2018 | ZAUS | 17.38 Call | 7,028 | 0.0870 | 0.1323 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2018 | ZAUS | 11.50 Put | 45,000 | 235.4824 | 196.2953 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2018 | ZAUS | 11.60 Put | 2,000 | 275.2261 | 229.8261 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2018 | ZAUS | 11.75 Put | 73,314 | 341.6228 | 289.5419 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2018 | ZAUS | 11.85 Put | 48,200 | 390.3181 | 333.8025 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2018 | ZAUS | 12.00 Put | 13,250 | 469.7799 | 406.7232 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2018 | ZAUS | 12.61 Put | 5,300 | 868.6165 | 779.7771 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2018 | ZAUS | 12.65 Put | 1,550 | 898.1523 | 807.9341 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2018 | ZAUS | 12.85 Put | 750 | 1051.3079 | 954.2914 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2018 | ZAUS | 13.25 Put | 73,314 | 1378.8202 | 1270.9578 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2018 | ZAUS | 13.30 Call | 1,500 | 190.2381 | 222.5944 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2018 | ZAUS | 13.65 Call | 1,464 | 142.5010 | 168.6993 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2018 | ZAUS | 15.97 Call | 5,300 | 25.0105 | 32.1915 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2018 | ZAUS | 16.04 Call | 1,550 | 23.2465 | 30.0073 | 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 | ZAUS | 16.14 Call | 750 | 20.9269 | 27.1247 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Sep 2018 | ZAUS | 16.29 Call | 73,314 | 17.8493 | 23.2799 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2018 | ZAUS | 11.64 Put | 2,764 | 342.9754 | 296.1246 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2018 | ZAUS | 12.50 Call | 150 | 521.9755 | 586.8055 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2018 | ZAUS | 12.96 Put | 23,443 | 1146.6983 | 1050.3685 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2018 | ZAUS | 13.00 Call | 2,000 | 380.1604 | 429.1354 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2018 | ZAUS | 13.80 Call | 2,764 | 230.5443 | 264.4379 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2018 | ZAUS | 14.89 Call | 1,000 | 120.9466 | 137.5247 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2018 | ZAUS | 15.95 Call | 2,000 | 72.6857 | 85.6802 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2018 | ZAUS | 17.24 Call | 23,443 | 25.9500 | 32.9401 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2019 | ZAUS | 20.00 Call | 2,000 | 85.6716 | 99.1088 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | <u>3,091,372</u> | | | | | <u>209,600.00</u> | <u>0.00</u> | <u>46 919 194.00</u> |
| | Total | | <u>4,307,190</u> | | | | | <u>504,671.00</u> | <u>3,494,776,519.90</u> | <u>215 002 741.00</u> |
| | | | | | | | | | | <u>1 980 469 882 978.80</u> |

| | | | | | | | | | |
|--------------------|-------------------------|--|--|--|--|--------------------------|--------------------------------|---------------------------|------------------------------------|
| Grand Total | <u>6,339,778</u> | | | | | <u>799,538.00</u> | <u>6 532 706 697.90</u> | <u>291,452,422</u> | <u>2,732,857,232,515.48</u> |
|--------------------|-------------------------|--|--|--|--|--------------------------|--------------------------------|---------------------------|------------------------------------|