



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 18-April-2019

| DATE | CONTRACT | | OPEN INT | MTM | PREV MTM | HIGH | LOW | DAILY VOLUME | CUMULATIVE VOLUME |
|---------------|----------|--------------|---------------|----------|----------|--------|--------|--------------|--------------------------|
| Future | | | | | | | | | |
| Apr 2019 | DAEU | Future | 1 | 15.8393 | 15.8198 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAEU | Future | 2 | 15.9527 | 15.9317 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | <u>3</u> | | | | | <i>0.00</i> | <i>0.00</i> |
| | | | | | | | | | <i>816 224.00</i> |
| | | | | | | | | | <i>12 206 024 302.80</i> |
| Option | | | | | | | | | |
| Feb 2020 | DAEU | 16.65 Call | 21,000 | 934.7435 | 915.2715 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2020 | DAEU | 16.91 Call | 15,000 | 829.4898 | 810.9877 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2020 | DAEU | 17.00 Call | 15,000 | 796.0442 | 777.9596 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2020 | DAEU | 17.07 Call | 15,000 | 771.0021 | 753.2517 | 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> |
| | | Total | 66,003 | | | | | 0.00 | 0.00 |
| | | | | | | | | | <i>2 628 611.00</i> |
| | | | | | | | | | <i>12 206 024 302.80</i> |
| Future | | | | | | | | | |
| Apr 2019 | DAGB | Future | 120 | 18.3203 | 18.2465 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAGB | Future | 27 | 18.3295 | 18.2559 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAGB | Future | 91 | 18.4293 | 18.3537 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAGB | Future | 49 | 18.5172 | 18.4404 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | <u>287</u> | | | | | <i>0.00</i> | <i>0.00</i> |
| | | | | | | | | | <i>67 296.00</i> |
| | | | | | | | | | <i>1 129 513 525.50</i> |
| | | Total | 287 | | | | | 0.00 | 0.00 |
| | | | | | | | | | <i>274 609.00</i> |
| | | | | | | | | | <i>1 129 513 525.50</i> |
| Future | | | | | | | | | |
| Apr 2019 | DAUS | Future | 349 | 14.0796 | 13.9828 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | Future | 15 | 14.0844 | 13.9877 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | Future | 4,000 | 14.0860 | 13.9894 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | Future | 50,000 | 14.0974 | 14.0007 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | Future | 25,000 | 14.1006 | 14.0039 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | Future | 93 | 14.1075 | 14.0104 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | Future | 2 | 14.1109 | 14.0136 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | Future | 387 | 14.1348 | 14.0367 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | Future | 91 | 14.1382 | 14.0401 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | Future | 74 | 14.1451 | 14.0467 | 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 | DAUS | Future | 2,381 | 14.1857 | 14.0865 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jul 2019 | DAUS | Future | 55 | 14.1907 | 14.0915 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jul 2019 | DAUS | Future | 175 | 14.1957 | 14.2127 | 0.0000 | 0.0000 | 175 | 2,487,222.50 | | |
| Jul 2019 | DAUS | Future | 982 | 14.2413 | 14.1416 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Aug 2019 | DAUS | Future | 55 | 14.2430 | 14.1433 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Aug 2019 | DAUS | Future | 2,216 | 14.2926 | 14.1920 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | DAUS | Future | 55 | 14.2978 | 14.1970 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | DAUS | Future | 74 | 14.3013 | 14.2004 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | DAUS | Future | 3,757 | 14.3168 | 14.2154 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | DAUS | Future | 98 | 14.3461 | 14.2442 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2019 | DAUS | Future | 55 | 14.3495 | 14.2476 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2019 | DAUS | Future | 153 | 14.3993 | 14.2971 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2019 | DAUS | Future | 97 | 14.4495 | 14.3469 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | DAUS | Future | 55 | 14.4548 | 14.3521 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | DAUS | Future | 321 | 14.4583 | 14.3556 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | DAUS | Future | 45 | 14.5056 | 14.4020 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jan 2020 | DAUS | Future | 55 | 14.5091 | 14.4054 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jan 2020 | DAUS | Future | 55 | 14.5593 | 14.4557 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Feb 2020 | DAUS | Future | 3,500 | 14.6073 | 14.5047 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | DAUS | Future | 55 | 14.6125 | 14.5100 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2020 | DAUS | Future | 55 | 14.6686 | 14.5644 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2020 | DAUS | Future | 55 | 14.7185 | 14.6128 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2020 | DAUS | Future | 1,055 | 14.7801 | 14.6750 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jul 2020 | DAUS | Future | 84,000 | 14.8828 | 14.7784 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>179,415</u> | | | | | <u>175.00</u> | <u>2,487,222.50</u> | <u>12 148 998.00</u> | <u>151 551 170 948.90</u> |
| Option | | | | | | | | | | | |
| Apr 2019 | DAUS | 14.20 Call | 25,000 | 36.5363 | 24.5656 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 14.50 Call | 50,000 | 7.2768 | 5.1930 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 14.55 Call | 25,000 | 5.7191 | 4.0939 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 13.00 Put | 3,000 | 0.3397 | 0.7114 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 13.49 Call | 2,500 | 601.9730 | 511.2191 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 13.95 Put | 734 | 70.6428 | 108.7491 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 14.20 Call | 734 | 80.2992 | 56.6181 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 14.20 Put | 250 | 194.2992 | 267.2181 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 14.25 Put | 250 | 230.1274 | 306.9315 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 14.45 Call | 734 | 29.5202 | 20.2663 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 14.84 Call | 500 | 6.0497 | 4.3050 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 15.61 Call | 250 | 0.5402 | 0.3893 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 15.96 Call | 250 | 0.1796 | 0.1299 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| May 2019 | DAUS | 13.75 Put | 22,000 | 45.7160 | 72.2270 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| May 2019 | DAUS | 13.95 Call | 20,000 | 249.9751 | 196.9258 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| May 2019 | DAUS | 14.03 Call | 65,000 | 202.5542 | 158.3156 | 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 | 13.72 Call | 50,000 | 425.3324 | 354.5837 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 14.20 Call | 50,000 | 141.2268 | 113.5929 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 14.40 Call | 40,000 | 128.7588 | 0.0000 | 0.0000 | 0.0000 | 40,000 | 0.00 |
| May 2019 | DAUS | 15.10 Call | 40,000 | 28.4239 | 0.0000 | 0.0000 | 0.0000 | 40,000 | 0.00 |
| May 2019 | DAUS | 14.25 Call | 61,000 | 186.8130 | 157.3400 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 15.25 Call | 40,000 | 25.7336 | 22.4120 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 15.50 Call | 21,000 | 15.2571 | 13.3438 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 13.00 Put | 500 | 12.1076 | 15.9050 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 14.20 Put | 250 | 316.1403 | 378.0572 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 14.25 Put | 250 | 347.2007 | 411.6292 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 15.01 Call | 500 | 70.0762 | 59.6874 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 15.79 Call | 250 | 18.0235 | 14.8957 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 16.15 Call | 250 | 8.5656 | 7.0960 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 13.83 Put | 45,000 | 158.4083 | 197.2653 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 14.06 Put | 18,000 | 259.0111 | 310.2577 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 14.15 Put | 18,000 | 306.1988 | 364.2504 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 13.00 Put | 500 | 21.7920 | 28.7444 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 14.02 Put | 29,000 | 275.4206 | 323.0733 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 14.20 Put | 250 | 369.2986 | 427.1237 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 14.25 Put | 250 | 399.1532 | 459.0359 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 15.17 Call | 500 | 112.2785 | 97.8443 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 15.33 Call | 29,000 | 92.8767 | 80.8943 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 15.96 Call | 250 | 41.4737 | 35.0028 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 16.32 Call | 250 | 25.2629 | 21.1519 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 13.00 Put | 500 | 38.9122 | 50.6433 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 14.20 Put | 250 | 419.7130 | 472.1749 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 14.25 Put | 250 | 447.6330 | 502.8946 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 15.34 Call | 500 | 157.9096 | 140.1565 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 16.14 Call | 250 | 74.7663 | 65.8706 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 16.50 Call | 250 | 53.6252 | 47.3500 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 14.48 Put | 3,147 | 607.6701 | 668.3317 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 16.35 Call | 3,147 | 78.2602 | 69.3083 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 13.00 Put | 500 | 61.3518 | 73.9408 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 14.20 Put | 250 | 459.4988 | 508.1374 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 14.25 Put | 250 | 487.0759 | 538.0831 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 15.52 Call | 500 | 192.6155 | 172.9386 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 16.33 Call | 250 | 102.9239 | 91.8017 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 16.70 Call | 250 | 78.2256 | 69.8103 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | 19.00 Call | 20,000 | 12.5896 | 16.4722 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | 13.00 Put | 500 | 82.5957 | 96.1561 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | 14.20 Put | 250 | 491.3383 | 537.9489 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | 14.25 Put | 250 | 518.5894 | 566.5551 | 0.0000 | 0.0000 | 0 | 0.00 |

| DATE | CONTRACT | | OPEN INT | MTM | PREV MTM | HIGH | LOW | DAILY VOLUME | CUMULATIVE VOLUME | | |
|---------------|----------|------------|----------------|----------|----------|---------|---------|------------------|---------------------|----------------------|---------------------------|
| Sep 2019 | DAUS | 15.68 Call | 500 | 226.0168 | 204.4913 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | DAUS | 16.50 Call | 250 | 130.5733 | 117.5212 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | DAUS | 16.89 Call | 250 | 101.9714 | 91.8814 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2019 | DAUS | 13.00 Put | 500 | 103.9243 | 118.2392 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2019 | DAUS | 14.20 Put | 250 | 521.3628 | 566.3123 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2019 | DAUS | 14.25 Put | 250 | 548.3638 | 594.5591 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2019 | DAUS | 15.87 Call | 500 | 253.9401 | 231.0050 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2019 | DAUS | 16.70 Call | 250 | 155.1171 | 141.1668 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2019 | DAUS | 17.09 Call | 250 | 124.8404 | 113.7699 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2019 | DAUS | 13.00 Put | 500 | 122.7231 | 137.7439 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2019 | DAUS | 14.20 Put | 250 | 546.7529 | 590.9946 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2019 | DAUS | 14.25 Put | 250 | 573.5959 | 619.0202 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2019 | DAUS | 16.03 Call | 500 | 281.2969 | 257.7650 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2019 | DAUS | 16.87 Call | 250 | 179.1927 | 164.2909 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2019 | DAUS | 17.26 Call | 250 | 147.2508 | 136.5242 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | DAUS | 13.00 Put | 500 | 142.3122 | 156.5421 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | DAUS | 14.20 Put | 250 | 569.2509 | 611.9196 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | DAUS | 14.25 Put | 250 | 595.8798 | 639.6765 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | DAUS | 16.21 Call | 500 | 306.5372 | 281.6530 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | DAUS | 17.05 Call | 250 | 203.5581 | 186.9452 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | DAUS | 17.44 Call | 250 | 170.0845 | 159.9522 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>699,496</u> | | | | | <u>80,000.00</u> | <u>0.00</u> | <u>24 805 994.00</u> | <u>0.00</u> |
| Total | | | 878,911 | | | | | 80,175.00 | 2,487,222.50 | 36 954 992.00 | 151 551 170 948.90 |
| Future | | | | | | | | | | | |
| Jun 2019 | EUUS | Future | 5 | 1.1297 | 1.1361 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | EUUS | Future | 143 | 1.1386 | 1.1450 | 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> |
| Total | | | 148 | | | | | 0.00 | 0.00 | 746 137.00 | 8 464 558 774.00 |
| Future | | | | | | | | | | | |
| Jun 2019 | GBUS | Future | 702 | 1.3044 | 1.3081 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>702</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>176 872.00</u> | <u>2 277 876 069.00</u> |
| Total | | | 702 | | | | | 0.00 | 0.00 | 176 872.00 | 2 277 876 069.00 |
| Future | | | | | | | | | | | |
| Jun 2019 | ZAAD | Future | 26,771 | 10.1389 | 10.1108 | 10.1648 | 10.1428 | 501 | 5,092,417.80 | | |
| Sep 2019 | ZAAD | Future | 1,731 | 10.2732 | 10.2439 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAAD | Future | 400 | 10.4039 | 10.3738 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>28,902</u> | | | | | <u>501.00</u> | <u>5,092,417.80</u> | <u>3 888 366.00</u> | <u>34 125 734 758.20</u> |
| Total | | | 28,902 | | | | | 501.00 | 5,092,417.80 | 3 888 366.00 | 34 125 734 758.20 |
| Option | | | | | | | | | | | |

| DATE | CONTRACT | | OPEN INT | MTM | PREV MTM | HIGH | LOW | DAILY VOLUME | CUMULATIVE VOLUME | | |
|---------------|----------|--------------|----------------|----------|----------|---------|---------|-----------------|----------------------|----------------------|---------------------------|
| Dec 2019 | ZAAD | 11.00 Call | 1,000 | 204.2290 | 192.5753 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>1,000</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>34 377.00</u> | <u>0.00</u> |
| | | Total | 29,902 | | | | | 501.00 | 5,092,417.80 | 3 922 743.00 | 34 125 734 758.20 |
| Future | | | | | | | | | | | |
| Jun 2019 | ZACA | Future | 1,950 | 10.6031 | 10.5693 | 10.6066 | 10.6066 | 250 | 2,651,650.00 | | |
| Sep 2019 | ZACA | Future | 1,415 | 10.7461 | 10.7108 | 10.7460 | 10.7460 | 250 | 2,686,500.00 | | |
| | | | <u>3,365</u> | | | | | <u>500.00</u> | <u>5,338,150.00</u> | <u>158 748.00</u> | <u>1 582 548 950.10</u> |
| | | Total | 3,365 | | | | | 500.00 | 5,338,150.00 | 158 748.00 | 1 582 548 950.10 |
| Future | | | | | | | | | | | |
| Jun 2019 | ZADK | Future | 1,485 | 2.1435 | 2.1411 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>1,485</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>16 060.00</u> | <u>346 832 339.00</u> |
| | | Total | 1,485 | | | | | 0.00 | 0.00 | 16 060.00 | 346 832 339.00 |
| Future | | | | | | | | | | | |
| Jun 2019 | ZAEU | Future | 121,201 | 15.9985 | 15.9768 | 16.0275 | 15.9860 | 581 | 9,305,535.90 | | |
| Sep 2019 | ZAEU | Future | 42,370 | 16.3073 | 16.2831 | 16.3215 | 16.3215 | 500 | 8,160,750.00 | | |
| Dec 2019 | ZAEU | Future | 32,686 | 16.6000 | 16.5749 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAEU | Future | 4,361 | 16.9200 | 16.8984 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>200,618</u> | | | | | <u>1,081.00</u> | <u>17,466,285.90</u> | <u>16 717 614.00</u> | <u>242 587 455 118.00</u> |
| Option | | | | | | | | | | | |
| Jun 2019 | ZAEU | 15.35 Put | 570 | 84.3063 | 90.3631 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | ZAEU | 16.64 Call | 300 | 145.3092 | 141.3888 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | ZAEU | 16.73 Put | 500 | 860.6318 | 878.8785 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAEU | 15.62 Put | 14,429 | 250.6301 | 257.3189 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAEU | 15.85 Put | 587 | 342.6209 | 350.2299 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAEU | 18.27 Call | 14,429 | 143.5940 | 138.2850 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAEU | 13.73 Put | 17,150 | 32.5171 | 33.7386 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAEU | 14.09 Put | 136,646 | 50.0671 | 51.2720 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAEU | 14.23 Put | 61,500 | 58.9058 | 60.0614 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAEU | 15.70 Put | 136,646 | 324.4824 | 328.2637 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAEU | 15.85 Put | 61,500 | 381.8566 | 386.0279 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAEU | 16.15 Put | 17,150 | 516.8804 | 522.1514 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAEU | 19.79 Call | 136,646 | 156.9371 | 152.4333 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAEU | 19.80 Call | 61,500 | 156.2471 | 151.7669 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAEU | 20.62 Call | 17,150 | 106.7399 | 120.5636 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>676,703</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>12 048 500.00</u> | <u>0.00</u> |
| | | Total | 877,321 | | | | | 1,081.00 | 17,466,285.90 | 28 766 114.00 | 242 587 455 118.00 |
| Future | | | | | | | | | | | |

| DATE | CONTRACT | | OPEN INT | MTM | PREV MTM | HIGH | LOW | DAILY VOLUME | CUMULATIVE VOLUME | | |
|---------------|----------|--------------|----------------|----------|----------|---------|---------|-----------------|----------------------|----------------------|---------------------------|
| Jun 2019 | ZAFR | Future | 1,193 | 14.0453 | 14.0170 | 14.0701 | 14.0701 | 100 | 1,407,010.00 | | |
| Sep 2019 | ZAFR | Future | 450 | 14.3298 | 14.2994 | 14.3492 | 14.3479 | 150 | 2,152,245.00 | | |
| | | | <u>1,643</u> | | | | | <u>250.00</u> | <u>3,559,255.00</u> | <u>633 252.00</u> | <u>6 850 953 850.90</u> |
| | | Total | 1,643 | | | | | 250.00 | 3,559,255.00 | 633 252.00 | 6 850 953 850.90 |
| Future | | | | | | | | | | | |
| Jun 2019 | ZAGB | Future | 118,564 | 18.4733 | 18.3969 | 18.5300 | 18.4800 | 1,220 | 22,514,681.90 | | |
| Sep 2019 | ZAGB | Future | 23,418 | 18.7676 | 18.6878 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAGB | Future | 12,845 | 19.0422 | 18.9611 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAGB | Future | 4,674 | 19.3382 | 19.2577 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>159,501</u> | | | | | <u>1,220.00</u> | <u>22,514,681.90</u> | <u>14 719 941.00</u> | <u>253 203 741 573.60</u> |
| Option | | | | | | | | | | | |
| Jun 2019 | ZAGB | 18.00 Call | 1,000 | 661.3257 | 609.7021 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAGB | 19.15 Put | 500 | 903.8913 | 945.2061 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAGB | 18.75 Put | 500 | 729.2918 | 754.1277 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAGB | 22.13 Call | 500 | 194.9125 | 180.2379 | 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> |
| | | Total | 162,001 | | | | | 1,220.00 | 22,514,681.90 | 16 510 754.00 | 253 203 741 573.60 |
| Future | | | | | | | | | | | |
| Jun 2019 | ZAKS | Future | 2,166 | 0.1387 | 0.1375 | 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> |
| | | Total | 2,166 | | | | | 0.00 | 0.00 | 38 066.00 | 515 662 000.00 |
| Future | | | | | | | | | | | |
| Sep 2019 | ZANZ | Future | 646 | 9.5938 | 9.5862 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>646</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>147 042.00</u> | <u>1 130 048 204.60</u> |
| | | Total | 646 | | | | | 0.00 | 0.00 | 167 042.00 | 1 130 048 204.60 |
| Future | | | | | | | | | | | |
| Jun 2019 | ZATR | Future | 3,646 | 2.3584 | 2.3690 | 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> |
| | | Total | 3,646 | | | | | 0.00 | 0.00 | 556 277.00 | 1 668 453 313.10 |
| Future | | | | | | | | | | | |
| Jun 2019 | ZAUM | Future | 454 | 14.1621 | 14.0633 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>454</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>156 788.00</u> | <u>182 284 460 340.00</u> |
| | | Total | 454 | | | | | 0.00 | 0.00 | 161 311.00 | 182 284 460 340.00 |
| Future | | | | | | | | | | | |
| Jun 2019 | ZAUS | Future | 873,343 | 14.1621 | 14.0633 | 14.2184 | 14.1050 | 25,059 | 354,518,644.20 | | |

| <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 | Future | 27,613 | 14.3220 | 14.2205 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | Future | 22,753 | 14.4741 | 14.3711 | 14.4710 | 14.4654 | 20 | 289,364.00 | | |
| Mar 2020 | ZAUS | Future | 10,345 | 14.6369 | 14.5345 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2020 | ZAUS | Future | 700 | 14.7982 | 14.6933 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>934,754</u> | | | | | <u>25,079.00</u> | <u>354,808,008.20</u> | <u>202 806 521.00</u> | <u>2 463 585 085 184.00</u> |

Option

| | | | | | | | | | |
|----------|------|------------|---------|----------|----------|--------|--------|---|------|
| Jun 2019 | ZAUS | 10.69 Put | 1,000 | 0.0569 | 0.0723 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 12.28 Put | 1,000 | 2.1361 | 3.0121 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 12.65 Put | 1,050 | 5.5975 | 7.8696 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 12.75 Put | 1,000 | 7.2504 | 10.8809 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 12.92 Put | 2,100 | 12.9008 | 18.4107 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 12.98 Put | 911 | 15.6655 | 21.9953 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.00 Put | 165,703 | 16.6947 | 23.3185 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.10 Put | 14,000 | 22.7669 | 31.0193 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.22 Put | 122,704 | 32.4617 | 43.0497 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.24 Put | 30,000 | 34.3764 | 45.3962 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.25 Put | 4,582 | 35.3677 | 46.6092 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.28 Put | 122,704 | 38.4888 | 50.4126 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.30 Put | 143,800 | 40.6955 | 53.0897 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.35 Put | 4,317 | 46.6737 | 60.3027 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.50 Call | 7,500 | 733.0217 | 657.0686 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.60 Call | 700 | 656.6520 | 585.3799 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.60 Put | 700 | 94.5520 | 122.0799 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.83 Put | 25,000 | 167.7803 | 206.8483 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.90 Call | 100 | 457.6574 | 401.5104 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.91 Put | 1,000 | 199.7380 | 242.9032 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.98 Call | 1,000 | 412.5896 | 360.5070 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.00 Call | 15,000 | 401.8506 | 350.7745 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.00 Put | 301,700 | 239.7506 | 287.4745 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.06 Put | 2,100 | 268.7916 | 319.7507 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.07 Put | 39,589 | 273.8131 | 325.5173 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.20 Put | 13,600 | 344.9567 | 404.8757 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.25 Put | 1,982 | 375.2974 | 437.4579 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.30 Put | 30,000 | 406.7994 | 471.1122 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.35 Call | 1,050 | 251.5183 | 219.0861 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.42 Call | 30 | 228.9592 | 199.2459 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.58 Call | 1,000 | 184.5020 | 160.3054 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.63 Put | 8,203 | 640.3434 | 716.4780 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.65 Put | 1,000 | 655.7427 | 732.4656 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.66 Call | 122,704 | 165.5897 | 143.8007 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.72 Call | 122,704 | 152.6960 | 132.5701 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.75 Call | 2,000 | 146.6366 | 127.2971 | 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 | 14.82 Call | 30,000 | 133.4389 | 115.5153 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.00 Call | 17,500 | 104.1628 | 90.0732 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.10 Call | 2,900 | 90.7649 | 78.5230 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.30 Call | 14,000 | 69.0821 | 59.8613 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.32 Call | 1,980 | 67.2358 | 58.2751 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.50 Call | 146,182 | 52.8120 | 45.0082 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.58 Call | 1,380 | 47.5063 | 39.2462 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.60 Call | 143,800 | 46.2716 | 37.9156 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.64 Call | 39,589 | 43.2022 | 35.3802 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.66 Call | 122,704 | 41.7354 | 34.1715 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.73 Call | 122,704 | 36.9507 | 30.2390 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.80 Call | 1,000 | 32.6737 | 26.7313 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.89 Call | 6,800 | 27.8442 | 22.7805 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.92 Call | 911 | 26.3872 | 21.5906 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 16.00 Call | 5,020 | 22.8411 | 18.6980 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 16.09 Call | 6,800 | 19.3846 | 15.8834 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 17.96 Call | 8,203 | 1.0201 | 2.4934 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 10.75 Put | 1,000 | 2.6117 | 2.8850 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 12.50 Put | 1,000 | 33.6200 | 36.9611 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 12.87 Put | 9,783 | 56.5399 | 65.8270 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 13.02 Put | 17,287 | 76.1058 | 89.6578 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 13.15 Put | 11,333 | 98.5744 | 114.9239 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 13.25 Put | 3,900 | 118.8445 | 137.5217 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 13.65 Call | 5,666 | 901.9393 | 831.7315 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 13.70 Put | 2,000 | 248.2304 | 281.0069 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 13.75 Put | 1,000 | 267.3723 | 301.6348 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 13.77 Put | 28,500 | 275.2670 | 310.1233 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 13.80 Put | 14,000 | 287.3612 | 323.1083 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 13.90 Put | 5,908 | 329.8652 | 368.5872 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 13.92 Put | 2,149 | 338.7696 | 378.0825 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 13.97 Put | 800 | 361.6103 | 402.3956 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.00 Put | 1,000 | 375.7103 | 417.3787 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.04 Call | 1,000 | 676.9677 | 618.3066 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.12 Put | 177 | 435.0389 | 480.1965 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.21 Put | 2,700 | 482.5449 | 530.4337 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.25 Call | 500 | 576.4644 | 524.6543 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.30 Put | 9,783 | 532.5495 | 584.4669 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.36 Put | 111 | 568.1126 | 621.7988 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.46 Put | 17,287 | 629.6948 | 686.2367 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.50 Call | 14,000 | 477.1101 | 433.2612 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.50 Put | 14,000 | 655.1101 | 712.7612 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.65 Put | 3,000 | 754.1707 | 815.8099 | 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 | 788.4502 | 851.3518 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.75 Call | 1,000 | 395.3265 | 357.9619 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.82 Put | 1,000 | 873.1204 | 938.9281 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.85 Put | 3,000 | 894.7934 | 961.2959 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 15.00 Call | 750 | 327.9957 | 296.3557 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 15.03 Call | 177 | 320.7763 | 289.7880 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 15.16 Call | 111 | 291.4599 | 263.1260 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 15.38 Put | 5,000 | 1306.3453 | 1383.5270 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 15.51 Call | 28,500 | 226.2593 | 204.0511 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 15.56 Put | 2,571 | 1456.3683 | 1536.4216 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 15.87 Call | 1,000 | 175.0474 | 157.1037 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 16.66 Call | 2,149 | 100.4109 | 90.1836 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 16.67 Call | 14,000 | 99.7355 | 89.5813 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 17.12 Call | 17,287 | 74.2564 | 67.3369 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 17.18 Call | 9,783 | 71.4843 | 65.2672 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 17.23 Call | 800 | 69.0092 | 63.6133 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 17.64 Call | 5,000 | 50.8224 | 52.1172 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 17.85 Call | 2,700 | 43.5640 | 47.4167 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 17.93 Call | 2,571 | 41.1019 | 45.7998 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 18.47 Call | 1,200 | 27.9755 | 36.8950 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 11.89 Put | 1,000 | 22.7105 | 27.1027 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 12.87 Put | 139,860 | 111.2723 | 122.6698 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 13.00 Put | 49,600 | 132.7437 | 146.8313 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 13.03 Put | 69,000 | 138.1161 | 153.4153 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 13.66 Put | 1,000 | 313.5289 | 341.8723 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 13.80 Put | 500 | 367.4353 | 401.7669 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 13.94 Put | 139,860 | 429.3226 | 467.0091 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 14.00 Put | 34,000 | 457.4594 | 496.5743 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 14.07 Put | 1,351 | 491.4861 | 532.2530 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 14.08 Put | 4,150 | 496.4476 | 537.4552 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 14.10 Put | 52,300 | 506.4570 | 547.9316 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 14.11 Put | 24,055 | 511.5004 | 553.2103 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 14.12 Put | 69,000 | 516.5650 | 558.5098 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 14.41 Put | 49,600 | 674.3887 | 723.2940 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 15.80 Call | 250 | 345.3133 | 318.4139 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 16.13 Call | 52,300 | 290.0276 | 266.3809 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 16.20 Call | 50,100 | 279.4641 | 256.6501 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 16.25 Call | 21,000 | 272.1900 | 249.9520 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 16.35 Call | 4,150 | 258.2960 | 237.1667 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 16.37 Call | 500 | 255.6148 | 234.7054 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 16.55 Call | 24,055 | 232.9253 | 213.8523 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 16.85 Call | 1,351 | 200.2147 | 183.8486 | 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 | 16.99 Call | 69,000 | 186.8651 | 171.6207 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | 17.02 Call | 139,860 | 184.1461 | 169.1325 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | 17.38 Call | 1,000 | 154.8821 | 145.5476 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | 20.00 Call | 2,000 | 33.8389 | 46.3281 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 11.91 Put | 1,000 | 27.5256 | 32.1585 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 12.96 Put | 277,778 | 172.2932 | 188.2710 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 13.06 Put | 275,862 | 196.6377 | 213.9968 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 13.19 Put | 272,897 | 230.8192 | 249.2499 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 13.78 Put | 60,000 | 423.5665 | 451.5688 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 14.01 Put | 1,000 | 522.8329 | 558.8764 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 14.40 Put | 277,778 | 725.1430 | 768.9842 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 14.51 Put | 275,862 | 787.9877 | 833.9583 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 14.66 Put | 272,897 | 877.4996 | 926.1917 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 16.60 Call | 277,778 | 368.5811 | 343.2565 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 16.81 Call | 275,862 | 338.4444 | 315.1924 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 17.04 Call | 272,897 | 308.8885 | 287.7121 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 17.73 Call | 1,000 | 236.8405 | 230.7333 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 17.88 Call | 60,000 | 223.4316 | 223.4862 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2020 | ZAUS | 11.90 Put | 900 | 47.9146 | 52.2909 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2020 | ZAUS | 14.25 Put | 900 | 686.8225 | 726.5742 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2020 | ZAUS | 17.26 Call | 900 | 410.9827 | 385.3452 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>5,858,642</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>71 813 316.00</u> | <u>0.00</u> |
| | Total | | 6,793,396 | | | | | 25,079.00 | 354,808,008.20 | 274 619 837.00 | 2 463 585 085 184.00 |
| Grand Total | | | 8,822,076 | | | | | 108,806.00 | 411 266 021.30 | 375,720,545 | 3,417,456,538,588.52 |