



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 16-January-2019

| DATE | CONTRACT | | OPEN INT | MTM | PREV MTM | HIGH | LOW | DAILY VOLUME | CUMULATIVE VOLUME | | |
|---------------|----------|------------|---------------|-----------|-----------|--------|--------|--------------|-------------------|---------------------|--------------------------|
| Future | | | | | | | | | | | |
| Jan 2019 | DAEU | Future | 4,830 | 15.6331 | 15.8176 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Feb 2019 | DAEU | Future | 29 | 15.7528 | 16.1012 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | DAEU | Future | 53 | 15.8015 | 16.2471 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAEU | Future | 4 | 15.9036 | 16.1210 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAEU | Future | 1 | 15.9402 | 16.1241 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>4,917</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>811 220.00</u> | <u>12 127 159 019.50</u> |
| Option | | | | | | | | | | | |
| Aug 2019 | DAEU | 17.01 Put | 16,200 | 1238.1456 | 1134.8036 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Aug 2019 | DAEU | 19.65 Call | 62,400 | 147.9009 | 178.7406 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>78,600</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>1 510 587.00</u> | <u>0.00</u> |
| Total | | | 83,517 | | | | | 0.00 | 0.00 | 2 321 807.00 | 12 127 159 019.50 |
| Future | | | | | | | | | | | |
| Jan 2019 | DAGB | Future | 4,112 | 17.6665 | 17.7353 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jan 2019 | DAGB | Future | 27 | 17.6875 | 17.7732 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Feb 2019 | DAGB | Future | 47 | 17.7788 | 18.0298 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | DAGB | Future | 80 | 17.8664 | 18.2947 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAGB | Future | 43 | 17.9187 | 18.0216 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAGB | Future | 120 | 17.9527 | 18.0178 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>4,429</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>62 521.00</u> | <u>1 044 018 088.80</u> |
| Total | | | 4,429 | | | | | 0.00 | 0.00 | 269 834.00 | 1 044 018 088.80 |
| Future | | | | | | | | | | | |
| Jan 2019 | DAUS | Future | 0 | 13.7096 | 13.7961 | 0.0000 | 0.0000 | 20 | 274,192.00 | | |
| Jan 2019 | DAUS | Future | 1,901 | 13.7133 | 13.8099 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jan 2019 | DAUS | Future | 51 | 13.7169 | 13.8283 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jan 2019 | DAUS | Future | 1,018 | 13.7230 | 13.8320 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jan 2019 | DAUS | Future | 1,922 | 13.7249 | 13.8328 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Feb 2019 | DAUS | Future | 70 | 13.7486 | 13.8426 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Feb 2019 | DAUS | Future | 6 | 13.7523 | 13.8442 | 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 2019 | DAUS | Future | 15 | 13.7694 | 13.9572 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2019 | DAUS | Future | 6,062 | 13.7743 | 14.0121 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | Future | 74 | 13.7808 | 14.0855 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | Future | 80 | 13.7824 | 14.1038 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | Future | 3,731 | 13.8187 | 14.2234 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | Future | 4,591 | 13.8221 | 14.1971 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | Future | 55 | 13.8288 | 14.1444 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | Future | 260 | 13.8505 | 13.9730 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | Future | 71 | 13.8693 | 13.9626 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | Future | 508 | 13.8762 | 13.9697 | 0.0000 | 0.0000 | 672 | 9,331,728.00 |
| May 2019 | DAUS | Future | 75 | 13.9294 | 14.0248 | 0.0000 | 0.0000 | 440 | 6,134,216.00 |
| Jun 2019 | DAUS | Future | 74 | 13.9362 | 14.0319 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | Future | 60 | 13.9774 | 14.0745 | 0.0000 | 0.0000 | 165 | 2,308,416.00 |
| Jul 2019 | DAUS | Future | 55 | 13.9826 | 14.0798 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | Future | 55 | 14.0366 | 14.1357 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | Future | 55 | 14.0932 | 14.1945 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | Future | 74 | 14.0968 | 14.1981 | 0.0000 | 0.0000 | 0 | 0.00 |
| Oct 2019 | DAUS | Future | 55 | 14.1463 | 14.2495 | 0.0000 | 0.0000 | 0 | 0.00 |
| Oct 2019 | DAUS | Future | 55 | 14.1981 | 14.3025 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | DAUS | Future | 55 | 14.2557 | 14.3605 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | DAUS | Future | 321 | 14.2593 | 14.3641 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2020 | DAUS | Future | 55 | 14.3115 | 14.4167 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2020 | DAUS | Future | 55 | 14.3649 | 14.4711 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2020 | DAUS | Future | 55 | 14.4244 | 14.5314 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2020 | DAUS | Future | 55 | 14.4839 | 14.5916 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2020 | DAUS | Future | 55 | 14.5358 | 14.6442 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2020 | DAUS | Future | 1,055 | 14.6011 | 14.7103 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2020 | DAUS | Future | 84,000 | 14.7086 | 14.8192 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | <u>106,679</u> | | | | | <u>1,297.00</u> | <u>18,048,552.00</u> |
| | | | | | | | | | <u>11 029 973.00</u> |
| | | | | | | | | | <u>135 619 135 303.20</u> |
| Option | | | | | | | | | |
| Jan 2019 | DAUS | 12.66 Put | 263 | 0.0000 | 0.0540 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 13.80 Put | 25,000 | 125.7715 | 83.5437 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 13.00 Put | 500 | 6.3292 | 4.9689 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 13.80 Put | 600 | 206.5273 | 163.6822 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 13.95 Put | 731 | 308.6626 | 250.3242 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 14.00 Call | 731 | 71.3802 | 116.4023 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 14.20 Call | 600 | 37.0354 | 66.3450 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 14.20 Put | 250 | 512.1354 | 433.5450 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 14.25 Put | 250 | 556.3704 | 474.5427 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 14.38 Call | 500 | 20.0049 | 38.9535 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 14.55 Call | 600 | 11.4812 | 23.2125 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 15.13 Call | 250 | 1.9404 | 4.0575 | 0.0000 | 0.0000 | 0 | 0.00 |

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|-------------|-----------------|------------|-----------------|------------|-----------------|-------------|------------|---------------------|--------------------------|
| Jan 2019 | DAUS | 15.47 Call | 250 | 0.7773 | 1.7139 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2019 | DAUS | 13.87 Put | 22,000 | 318.5594 | 279.2932 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2019 | DAUS | 13.00 Put | 500 | 43.9150 | 25.1678 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2019 | DAUS | 13.70 Put | 600 | 261.0143 | 181.3722 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2019 | DAUS | 14.20 Put | 250 | 583.7362 | 442.0981 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2019 | DAUS | 14.25 Call | 600 | 146.2445 | 237.3237 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2019 | DAUS | 14.25 Put | 250 | 621.9445 | 475.2237 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2019 | DAUS | 14.52 Call | 500 | 95.5790 | 162.7318 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2019 | DAUS | 14.75 Call | 600 | 65.8319 | 117.1526 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2019 | DAUS | 15.27 Call | 250 | 27.3563 | 54.2947 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2019 | DAUS | 15.63 Call | 250 | 13.4313 | 29.9462 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | 13.94 Put | 27,500 | 426.1537 | 244.0010 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | 15.15 Call | 27,500 | 52.8887 | 125.4444 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | 13.88 Put | 32,000 | 426.2362 | 264.5427 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | 14.00 Put | 65,000 | 500.5707 | 319.0112 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | 13.00 Put | 500 | 88.0755 | 48.1226 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | 14.20 Put | 250 | 640.3254 | 442.2071 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | 14.25 Put | 250 | 676.0738 | 471.4629 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | 14.67 Call | 500 | 154.4440 | 276.8609 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | 15.43 Call | 250 | 64.5050 | 127.9392 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | 15.79 Call | 250 | 42.2019 | 87.4893 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | 13.76 Put | 100 | 378.7869 | 281.7665 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | 14.35 Call | 100 | 244.3072 | 359.8630 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | 13.00 Put | 3,000 | 133.2272 | 126.9751 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | 13.49 Call | 2,500 | 682.1859 | 757.4325 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | 14.20 Put | 250 | 690.5770 | 649.6871 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | 14.25 Put | 250 | 724.7267 | 682.3228 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | 14.84 Call | 500 | 208.0202 | 243.4879 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | 15.61 Call | 250 | 105.1634 | 127.0865 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | 15.96 Call | 250 | 77.0586 | 94.4112 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 13.00 Put | 500 | 173.5166 | 165.7048 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 14.20 Put | 250 | 734.6937 | 695.3669 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 14.25 Put | 250 | 767.7285 | 727.0528 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 15.01 Call | 500 | 254.4800 | 291.4560 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 15.79 Call | 250 | 142.8877 | 167.6248 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 16.15 Call | 250 | 109.5797 | 129.8112 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 14.72 Put | 20,000 | 1122.6237 | 1071.5656 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 17.22 Call | 20,000 | 74.9379 | 88.4634 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 13.00 Put | 500 | 206.2234 | 197.5325 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 14.20 Put | 250 | 768.3458 | 730.2122 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 14.25 Put | 250 | 800.6125 | 761.2276 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 15.17 Call | 500 | 289.6144 | 327.6704 | 0.0000 | 0.0000 | 0 | 0.00 |

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|-------------|-----------------|------------|-----------------|------------|-----------------|-------------|------------|---------------------|--------------------------|
| Jun 2019 | DAUS | 15.96 Call | 250 | 172.7548 | 199.4924 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 16.32 Call | 250 | 136.8345 | 159.2848 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 13.45 Put | 39,250 | 370.6386 | 350.9451 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 16.44 Call | 39,250 | 133.5744 | 155.3487 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 13.00 Put | 500 | 239.5512 | 230.2034 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 14.20 Put | 250 | 803.0297 | 765.6760 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 14.25 Put | 250 | 834.6188 | 796.1370 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 15.34 Call | 500 | 331.9573 | 370.6090 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 16.14 Call | 250 | 209.2964 | 238.0034 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 16.50 Call | 250 | 170.8178 | 195.4686 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 14.48 Put | 3,147 | 997.3972 | 954.2190 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 16.35 Call | 3,147 | 207.2283 | 234.9429 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 13.00 Put | 500 | 266.3166 | 256.2331 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 14.20 Put | 250 | 831.3961 | 794.5574 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 14.25 Put | 250 | 862.5054 | 824.6000 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 15.52 Call | 500 | 363.1907 | 402.7118 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 16.33 Call | 250 | 238.8375 | 268.7492 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 16.70 Call | 250 | 198.6696 | 224.6708 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | 19.00 Call | 20,000 | 78.9920 | 92.9272 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | 13.00 Put | 500 | 290.0958 | 280.0801 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | 14.20 Put | 250 | 854.9465 | 819.4073 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | 14.25 Put | 250 | 885.6028 | 849.1842 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | 15.68 Call | 500 | 394.1421 | 436.5915 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | 16.50 Call | 250 | 268.4881 | 300.7914 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | 16.89 Call | 250 | 225.4534 | 253.7250 | 0.0000 | 0.0000 | 0 | 0.00 |
| Oct 2019 | DAUS | 13.00 Put | 500 | 314.2740 | 303.9241 | 0.0000 | 0.0000 | 0 | 0.00 |
| Oct 2019 | DAUS | 14.20 Put | 250 | 879.0427 | 843.8797 | 0.0000 | 0.0000 | 0 | 0.00 |
| Oct 2019 | DAUS | 14.25 Put | 250 | 909.3026 | 873.4234 | 0.0000 | 0.0000 | 0 | 0.00 |
| Oct 2019 | DAUS | 15.87 Call | 500 | 420.2016 | 463.1484 | 0.0000 | 0.0000 | 0 | 0.00 |
| Oct 2019 | DAUS | 16.70 Call | 250 | 295.5706 | 328.7112 | 0.0000 | 0.0000 | 0 | 0.00 |
| Oct 2019 | DAUS | 17.09 Call | 250 | 253.2854 | 281.8808 | 0.0000 | 0.0000 | 0 | 0.00 |
| Nov 2019 | DAUS | 13.00 Put | 500 | 334.8219 | 324.5345 | 0.0000 | 0.0000 | 0 | 0.00 |
| Nov 2019 | DAUS | 14.20 Put | 250 | 898.4676 | 864.1667 | 0.0000 | 0.0000 | 0 | 0.00 |
| Nov 2019 | DAUS | 14.25 Put | 250 | 928.7493 | 893.5068 | 0.0000 | 0.0000 | 0 | 0.00 |
| Nov 2019 | DAUS | 16.03 Call | 500 | 446.5094 | 489.3410 | 0.0000 | 0.0000 | 0 | 0.00 |
| Nov 2019 | DAUS | 16.87 Call | 250 | 321.5473 | 355.3582 | 0.0000 | 0.0000 | 0 | 0.00 |
| Nov 2019 | DAUS | 17.26 Call | 250 | 281.2276 | 309.7681 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | DAUS | 13.00 Put | 500 | 355.3389 | 345.0952 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | DAUS | 14.20 Put | 250 | 916.7932 | 883.4177 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | DAUS | 14.25 Put | 250 | 946.8008 | 912.5431 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | DAUS | 16.21 Call | 500 | 472.2704 | 515.0589 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | DAUS | 17.05 Call | 250 | 349.2104 | 383.3486 | 0.0000 | 0.0000 | 0 | 0.00 |

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|---------------|-----------------|--------------|-----------------|------------|-----------------|-------------|------------|---------------------|--------------------------|---------------|--------------------|
| Dec 2019 | DAUS | 17.44 Call | 250 | 311.1951 | 339.3476 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>378,319</u> | | | | | 0.00 | 0.00 | 22 216 915.00 | 0.00 |
| | | Total | 484,998 | | | | | 1,297.00 | 18,048,552.00 | 33 246 888.00 | 135 619 135 303.20 |
| Future | | | | | | | | | | | |
| Mar 2019 | EUUS | Future | 5 | 1.1454 | 1.1508 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | EUUS | Future | 582 | 1.1541 | 1.1596 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>587</u> | | | | | 0.00 | 0.00 | 745 402.00 | 8 456 173 900.00 |
| | | Total | 587 | | | | | 0.00 | 0.00 | 745 402.00 | 8 456 173 900.00 |
| Future | | | | | | | | | | | |
| Mar 2019 | GBUS | Future | 200 | 1.2919 | 1.2879 | 1.2917 | 1.2916 | 200 | 2,583,300.00 | | |
| | | | <u>200</u> | | | | | 200.00 | 2,583,300.00 | 171 422.00 | 2 205 630 928.00 |
| | | Total | 200 | | | | | 200.00 | 2,583,300.00 | 171 422.00 | 2 205 630 928.00 |
| Future | | | | | | | | | | | |
| Mar 2019 | ZAAD | Future | 7,365 | 9.9196 | 10.3480 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | ZAAD | Future | 15,741 | 10.0398 | 10.1496 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAAD | Future | 813 | 10.1725 | 10.2874 | 0.0000 | 0.0000 | 163 | 1,657,628.50 | | |
| Dec 2019 | ZAAD | Future | 400 | 10.3000 | 10.4168 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>24,319</u> | | | | | 163.00 | 1,657,628.50 | 3 846 024.00 | 33 693 741 901.90 |
| Option | | | | | | | | | | | |
| Dec 2019 | ZAAD | 11.00 Call | 1,000 | 293.9663 | 340.5861 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>1,000</u> | | | | | 0.00 | 0.00 | 34 377.00 | 0.00 |
| | | Total | 25,319 | | | | | 163.00 | 1,657,628.50 | 3 880 401.00 | 33 693 741 901.90 |
| Future | | | | | | | | | | | |
| Mar 2019 | ZACA | Future | 500 | 10.4328 | 10.8517 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | ZACA | Future | 650 | 10.5657 | 10.6508 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZACA | Future | 250 | 10.7101 | 10.7988 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>1,400</u> | | | | | 0.00 | 0.00 | 149 013.00 | 1 477 461 670.10 |
| | | Total | 1,400 | | | | | 0.00 | 0.00 | 149 013.00 | 1 477 461 670.10 |
| Future | | | | | | | | | | | |
| Mar 2019 | ZAEU | Future | 135,624 | 15.8103 | 16.5054 | 15.8396 | 15.7953 | 495 | 7,844,582.80 | | |
| Jun 2019 | ZAEU | Future | 24,570 | 16.1034 | 16.2918 | 16.1630 | 16.1630 | 74 | 1,195,946.80 | | |
| Sep 2019 | ZAEU | Future | 22,079 | 16.4265 | 16.6242 | 0.0000 | 0.0000 | 12,500 | 205,187,500.00 | | |
| Dec 2019 | ZAEU | Future | 12,777 | 16.7356 | 16.9375 | 0.0000 | 0.0000 | 12,500 | 209,175,000.00 | | |
| | | | <u>195,050</u> | | | | | 25,569.00 | 423,403,029.60 | 16 078 602.00 | 232 144 557 211.30 |
| Option | | | | | | | | | | | |
| Mar 2019 | ZAEU | 16.00 Call | 650 | 300.6636 | 707.2960 | 0.0000 | 0.0000 | 0 | 0.00 | | |

| DATE | CONTRACT | | OPEN INT | MTM | PREV MTM | HIGH | LOW | DAILY VOLUME | CUMULATIVE VOLUME | |
|---------------|--------------|------------|----------------|-----------|----------|---------|---------|------------------|-----------------------|---------------------------|
| Sep 2019 | ZAEU | 18.60 Call | 55,000 | 314.7561 | 371.3013 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2019 | ZAEU | 13.73 Put | 17,150 | 73.5127 | 72.1539 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2019 | ZAEU | 16.15 Put | 17,150 | 708.4574 | 647.4170 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2019 | ZAEU | 20.62 Call | 17,150 | 292.4757 | 325.6562 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | <u>107,100</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>10 956 876.00</u> |
| | Total | | 302,150 | | | | | 25,569.00 | 423,403,029.60 | 27 035 478.00 |
| | | | | | | | | | | 232 144 557 211.30 |
| Future | | | | | | | | | | |
| Mar 2019 | ZAFR | Future | 1,143 | 14.0164 | 14.6303 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Jun 2019 | ZAFR | Future | 150 | 14.2899 | 14.4545 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | <u>1,293</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>626 380.00</u> |
| | Total | | 1,293 | | | | | 0.00 | 0.00 | 626 380.00 |
| | | | | | | | | | | 6 751 701 429.60 |
| Future | | | | | | | | | | |
| Mar 2019 | ZAGB | Future | 395,576 | 17.8325 | 18.4711 | 17.8000 | 17.7948 | 7 | 124,594.80 | |
| Jun 2019 | ZAGB | Future | 5,764 | 18.1037 | 18.1722 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Sep 2019 | ZAGB | Future | 14,864 | 18.3978 | 18.4731 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2019 | ZAGB | Future | 247 | 18.6756 | 18.7520 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | <u>416,451</u> | | | | | <u>7.00</u> | <u>124,594.80</u> | <u>13 793 728.00</u> |
| | | | | | | | | | | 235 826 152 800.00 |
| Option | | | | | | | | | | |
| Mar 2019 | ZAGB | 18.00 Put | 500 | 544.7817 | 282.8123 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2019 | ZAGB | 19.00 Call | 2,500 | 123.8384 | 310.7486 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2019 | ZAGB | 19.19 Put | 1,000 | 1456.4802 | 978.3645 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2019 | ZAGB | 20.00 Call | 500 | 37.4874 | 114.8039 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2019 | ZAGB | 20.18 Call | 1,500 | 30.1996 | 95.2028 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2019 | ZAGB | 21.44 Call | 500 | 7.1286 | 26.5832 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | <u>6,500</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>1 783 113.00</u> |
| | Total | | 422,951 | | | | | 7.00 | 124,594.80 | 15 576 841.00 |
| | | | | | | | | | | 235 826 152 800.00 |
| Future | | | | | | | | | | |
| Jun 2019 | ZAKS | Future | 2,166 | 0.1339 | 0.1351 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | <u>2,166</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>38 066.00</u> |
| | Total | | 2,166 | | | | | 0.00 | 0.00 | 38 066.00 |
| | | | | | | | | | | 515 662 000.00 |
| Future | | | | | | | | | | |
| Sep 2019 | ZANZ | Future | 213 | 9.6101 | 9.7572 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | <u>213</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>146 359.00</u> |
| | Total | | 213 | | | | | 0.00 | 0.00 | 166 359.00 |
| | | | | | | | | | | 1 123 547 250.60 |
| Future | | | | | | | | | | |
| Mar 2019 | ZATR | Future | 25,000 | 2.4828 | 2.5428 | 0.0000 | 0.0000 | 0 | 0.00 | |

| DATE | CONTRACT | | OPEN INT | MTM | PREV MTM | HIGH | LOW | DAILY VOLUME | CUMULATIVE VOLUME | | |
|---------------|----------|--------------|-------------------|----------|----------|---------|---------|--------------|-------------------|----------------|----------------------|
| | | | 25,000 | | | | | 0.00 | 0.00 | 420 239.00 | 1 320 654 069.00 |
| | | Total | 25,000 | | | | | 0.00 | 0.00 | 420 239.00 | 1 320 654 069.00 |
| Future | | | | | | | | | | | |
| | Mar 2019 | ZAUM | Future 422 | 13.8036 | 14.3421 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | 422 | | | | | 0.00 | 0.00 | 155 463.00 | 180 370 172 810.00 |
| | | Total | 422 | | | | | 0.00 | 0.00 | 159 986.00 | 180 370 172 810.00 |
| Future | | | | | | | | | | | |
| | Mar 2019 | ZAUS | Future 547,908 | 13.8036 | 14.3421 | 13.8463 | 13.7500 | 125,590 | 1,735,376,313.50 | | |
| | Jun 2019 | ZAUS | Future 112,232 | 13.9534 | 14.0496 | 13.9800 | 13.9334 | 2,980 | 41,517,692.50 | | |
| | Sep 2019 | ZAUS | Future 14,290 | 14.1180 | 14.2202 | 14.1296 | 14.0840 | 22 | 310,145.00 | | |
| | Dec 2019 | ZAUS | Future 10,100 | 14.2755 | 14.3804 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2020 | ZAUS | Future 4,566 | 14.4513 | 14.5586 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | 689,096 | | | | | 128,592.00 | 1,777,204,151.00 | 193 960 089.00 | 2 337 349 947 815.50 |
| Option | | | | | | | | | | | |
| | Mar 2019 | ZAUS | 10.33 Put 1,000 | 0.2028 | 0.0390 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 11.74 Put 1,000 | 3.6238 | 1.7056 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 12.47 Put 721 | 12.9651 | 7.4315 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 12.51 Put 720 | 15.0607 | 8.0514 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 12.80 Put 7,520 | 39.7670 | 14.3684 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 12.90 Put 16,000 | 53.2607 | 17.5284 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 12.92 Put 139,342 | 56.3309 | 18.6731 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 13.00 Put 15,434 | 69.9502 | 23.9484 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 13.05 Put 1,155 | 79.6102 | 27.8136 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 13.12 Put 138,000 | 94.8346 | 34.0445 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 13.15 Put 10,125 | 102.0930 | 37.0300 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 13.25 Put 225,407 | 129.0430 | 48.4884 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 13.33 Put 135,043 | 153.7711 | 59.4807 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 13.36 Put 134,750 | 163.7914 | 64.0581 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 13.46 Put 20,000 | 200.1887 | 81.2430 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 13.50 Put 17,050 | 216.0522 | 88.9942 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 13.55 Put 10,000 | 236.9346 | 99.4257 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 13.60 Put 6,570 | 258.9871 | 110.7162 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 13.62 Put 6,432 | 268.1340 | 115.4805 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 13.68 Put 14,200 | 296.6912 | 131.4015 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 13.70 Put 2,500 | 306.5810 | 137.2767 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 13.72 Put 10,000 | 316.6518 | 143.3194 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 13.75 Put 17,981 | 332.1019 | 152.6975 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 13.79 Put 262,812 | 353.3333 | 165.7963 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 13.82 Put 1,800 | 370.2041 | 176.0684 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2019 | ZAUS | 13.85 Put 1,000 | 387.7112 | 186.7267 | 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 2019 | ZAUS | 13.86 Put | 721 | 393.6338 | 190.3662 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 13.90 Put | 720 | 417.7519 | 205.3530 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 13.95 Call | 1,000 | 302.4399 | 617.1575 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.00 Call | 100 | 284.5388 | 587.9388 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.00 Put | 35,606 | 480.9388 | 245.8388 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.04 Put | 7,100 | 507.3225 | 263.2355 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.20 Call | 2,000 | 222.2829 | 481.6860 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.25 Call | 750 | 208.8620 | 457.7159 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.28 Put | 7,028 | 677.5866 | 381.7201 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.30 Call | 250 | 196.2217 | 434.7527 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.30 Put | 3,000 | 692.6217 | 392.6527 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.35 Put | 139,342 | 730.7243 | 420.6721 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.44 Put | 7,000 | 801.0637 | 473.8677 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.45 Put | 1,000 | 809.0113 | 479.9647 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.46 Call | 6,332 | 160.5843 | 368.1981 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.48 Call | 1,000 | 156.6071 | 360.5732 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.50 Call | 225,780 | 152.7245 | 353.0888 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.50 Put | 50 | 849.1245 | 510.9888 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.53 Put | 108 | 873.3530 | 530.0298 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.56 Put | 138,000 | 897.7968 | 549.3799 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.65 Put | 10,000 | 972.3367 | 609.2409 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.74 Put | 24,325 | 1048.5565 | 671.6764 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.80 Call | 2,000 | 103.8202 | 256.7479 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.81 Put | 135,043 | 1108.8942 | 721.9106 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.82 Put | 4,145 | 1117.5837 | 729.1991 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.83 Put | 10,010 | 1126.2902 | 736.5177 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.84 Put | 134,750 | 1135.0135 | 743.8639 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.00 Call | 1,260 | 80.3066 | 207.0632 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.04 Put | 63,500 | 1312.7017 | 896.2239 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.10 Put | 1,000 | 1367.0770 | 943.5098 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.12 Put | 99,824 | 1385.2989 | 959.4319 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.13 Put | 7,100 | 1394.4273 | 967.4247 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.17 Call | 720 | 64.6556 | 171.7115 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.19 Put | 41,300 | 1449.4352 | 1015.8313 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.20 Put | 2,500 | 1458.6364 | 1023.9710 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.22 Call | 2,785 | 60.5320 | 162.4107 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.25 Call | 1,500 | 58.0591 | 157.0702 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.32 Put | 262,812 | 1569.0704 | 1123.1735 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.40 Call | 2,000 | 47.1147 | 132.8656 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.45 Call | 20,000 | 43.9407 | 125.6545 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.46 Call | 108 | 43.3326 | 124.2598 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.50 Call | 224,757 | 40.9803 | 118.8370 | 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 2019 | ZAUS | 15.54 Call | 721 | 38.7555 | 113.6533 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.66 Call | 139,342 | 32.7810 | 99.4402 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.81 Call | 10 | 26.5999 | 83.9769 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.83 Call | 135,043 | 25.8698 | 81.7234 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.89 Call | 4,145 | 23.8006 | 75.2813 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 16.00 Call | 1,906 | 20.4345 | 64.6361 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 16.13 Call | 138,000 | 17.0779 | 53.8108 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 16.18 Call | 1,800 | 15.9433 | 50.1050 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 16.30 Call | 10,000 | 13.5267 | 42.1363 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 16.38 Call | 134,750 | 12.1301 | 37.4863 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 16.58 Call | 10,000 | 9.2910 | 27.8478 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 16.60 Call | 50 | 9.0672 | 27.0223 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 16.96 Call | 12,600 | 5.9108 | 15.5536 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 16.97 Call | 63,500 | 5.8426 | 15.3125 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 17.02 Call | 262,812 | 5.5151 | 14.1593 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 17.08 Call | 7,028 | 5.1489 | 12.8835 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 17.09 Call | 99,824 | 5.0907 | 12.6817 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 17.10 Call | 2,500 | 5.0331 | 12.4830 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 17.23 Call | 41,300 | 4.3481 | 10.4916 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 17.30 Call | 10,125 | 4.0235 | 10.1360 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 17.50 Call | 16,000 | 3.2383 | 9.2502 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 18.00 Call | 14,200 | 1.8640 | 7.6712 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 18.40 Call | 7,100 | 0.9025 | 6.8488 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 10.69 Put | 1,000 | 5.3515 | 5.6344 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 12.28 Put | 1,000 | 61.8079 | 60.9614 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 12.75 Put | 1,000 | 129.6552 | 125.0872 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 12.98 Put | 911 | 184.8798 | 177.1035 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.00 Put | 165,703 | 190.3372 | 182.2382 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.24 Put | 30,000 | 264.4418 | 251.9763 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.25 Put | 1,282 | 267.8866 | 255.2141 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.83 Put | 25,000 | 531.8543 | 503.4003 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.88 Put | 5,035 | 559.2059 | 529.4945 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.98 Call | 1,000 | 589.6438 | 653.3244 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.00 Put | 143,900 | 628.1088 | 594.8901 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.07 Put | 39,589 | 670.4510 | 634.9792 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.20 Put | 13,600 | 752.3809 | 713.6176 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.25 Put | 1,282 | 784.9853 | 744.9743 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.42 Call | 30 | 433.5377 | 485.5413 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.58 Call | 1,000 | 387.5585 | 435.7614 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.63 Put | 8,203 | 1050.8337 | 1001.6802 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.65 Put | 1,000 | 1065.6350 | 1016.0270 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.82 Call | 30,000 | 328.1297 | 370.8173 | 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 | 15.10 Call | 1,500 | 270.9489 | 308.2359 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | ZAUS | 15.32 Call | 1,980 | 233.6553 | 267.1094 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | ZAUS | 15.50 Call | 145,182 | 205.9116 | 237.4383 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | ZAUS | 15.62 Call | 5,035 | 189.1888 | 218.8158 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | ZAUS | 15.64 Call | 39,589 | 186.5421 | 215.8630 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | ZAUS | 15.80 Call | 1,000 | 166.7561 | 193.7213 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | ZAUS | 15.89 Call | 6,800 | 156.6237 | 182.3432 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | ZAUS | 15.92 Call | 911 | 153.3980 | 178.7134 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | ZAUS | 16.00 Call | 20 | 145.1382 | 169.4056 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | ZAUS | 16.09 Call | 6,800 | 136.4221 | 159.5588 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | ZAUS | 17.96 Call | 8,203 | 49.4268 | 60.2038 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 10.75 Put | 1,000 | 9.2318 | 9.2386 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 12.50 Put | 1,000 | 147.6724 | 140.5077 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 13.25 Put | 3,900 | 365.2546 | 350.6987 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 13.91 Put | 81,930 | 675.7705 | 645.2065 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 13.97 Put | 800 | 709.3370 | 677.5039 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 14.09 Put | 33,715 | 778.7747 | 744.3972 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 14.21 Put | 2,700 | 851.0335 | 814.2578 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 14.33 Put | 33,151 | 926.1153 | 886.8526 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 15.38 Put | 5,000 | 1686.7788 | 1627.7435 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 15.56 Put | 2,571 | 1831.4237 | 1770.3775 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 15.87 Call | 1,000 | 333.8688 | 371.1606 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 17.23 Call | 800 | 182.0135 | 202.6842 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 17.64 Call | 5,000 | 158.9557 | 177.3481 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 17.85 Call | 2,700 | 148.9468 | 166.3244 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 17.93 Call | 2,571 | 145.4111 | 162.4250 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 18.29 Call | 81,930 | 131.1701 | 146.7050 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 18.47 Call | 1,200 | 120.3669 | 139.0100 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 18.63 Call | 33,715 | 109.6487 | 127.0675 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 19.32 Call | 33,151 | 72.7753 | 85.6215 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | 11.89 Put | 1,000 | 61.7923 | 63.8555 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | 13.66 Put | 1,000 | 610.5582 | 587.5426 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | 14.07 Put | 1,351 | 830.3019 | 798.7358 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | 16.85 Call | 1,351 | 346.0309 | 380.7218 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | 17.38 Call | 1,000 | 290.3623 | 317.6059 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | 20.00 Call | 2,000 | 109.9839 | 126.0648 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 11.91 Put | 1,000 | 97.2228 | 100.0469 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 14.01 Put | 1,000 | 852.2826 | 824.6288 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 17.73 Call | 1,000 | 401.1704 | 434.9961 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>4,963,735</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>63 950 934.00</u> | <u>0.00</u> |
| | Total | | 5,652,831 | | | | | 128,592.00 | 1,777,204,151.00 | 257 911 023.00 | 2 337 349 947 815.50 |

| <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> |
|-------------|-----------------|-----------------|------------|-----------------|-------------|------------|---------------------|--------------------------|
|-------------|-----------------|-----------------|------------|-----------------|-------------|------------|---------------------|--------------------------|

| | | | | | | | | | | |
|-------------|--|-----------|--|--|--|--|------------|------------------|-------------|----------------------|
| Grand Total | | 7,007,476 | | | | | 155,828.00 | 2 223 021 255.90 | 352,518,453 | 3,245,256,407,667.83 |
|-------------|--|-----------|--|--|--|--|------------|------------------|-------------|----------------------|