



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 11-April-2019

| DATE | CONTRACT | | OPEN INT | MTM | PREV MTM | HIGH | LOW | DAILY VOLUME | CUMULATIVE VOLUME |
|---------------|----------|--------------|---------------|----------|----------|--------|--------|--------------|--------------------------|
| Future | | | | | | | | | |
| Apr 2019 | DAEU | Future | 4 | 15.7873 | 15.6864 | 0.0000 | 0.0000 | 4 | 63,144.00 |
| Apr 2019 | DAEU | Future | 1 | 15.8220 | 15.7210 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAEU | Future | 2 | 15.9336 | 15.8318 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | <u>7</u> | | | | | <u>4.00</u> | <u>63,144.00</u> |
| | | | | | | | | | <u>816 220.00</u> |
| | | | | | | | | | <u>12 205 961 055.20</u> |
| Option | | | | | | | | | |
| Feb 2020 | DAEU | 16.65 Call | 21,000 | 940.3724 | 893.3630 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2020 | DAEU | 16.91 Call | 15,000 | 835.5878 | 793.7694 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2020 | DAEU | 17.00 Call | 15,000 | 802.2981 | 762.0104 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2020 | DAEU | 17.07 Call | 15,000 | 777.3650 | 738.2355 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | <u>66,000</u> | | | | | <u>0.00</u> | <u>0.00</u> |
| | | | | | | | | | <u>1 812 387.00</u> |
| | | | | | | | | | <u>0.00</u> |
| | | Total | 66,007 | | | | | 4.00 | 63,144.00 |
| | | | | | | | | | 2 628 607.00 |
| | | | | | | | | | 12 205 961 055.20 |
| Future | | | | | | | | | |
| Apr 2019 | DAGB | Future | 43 | 18.3253 | 18.2493 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAGB | Future | 120 | 18.3587 | 18.2828 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAGB | Future | 27 | 18.3678 | 18.2919 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAGB | Future | 91 | 18.4661 | 18.3900 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | <u>281</u> | | | | | <u>0.00</u> | <u>0.00</u> |
| | | | | | | | | | <u>67 204.00</u> |
| | | | | | | | | | <u>1 127 816 817.20</u> |
| | | Total | 281 | | | | | 0.00 | 0.00 |
| | | | | | | | | | 274 517.00 |
| | | | | | | | | | 1 127 816 817.20 |
| Future | | | | | | | | | |
| Apr 2019 | DAUS | Future | 1,883 | 13.9982 | 13.9383 | 0.0000 | 0.0000 | 33 | 462,264.00 |
| Apr 2019 | DAUS | Future | 349 | 14.0159 | 13.9561 | 0.0000 | 0.0000 | 16 | 224,304.00 |
| Apr 2019 | DAUS | Future | 15 | 14.0207 | 13.9609 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | Future | 4,563 | 14.0223 | 13.9625 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | Future | 32,500 | 14.0338 | 13.9740 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | Future | 25,000 | 14.0371 | 13.9772 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | Future | 93 | 14.0437 | 13.9838 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | Future | 2 | 14.0470 | 13.9871 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | Future | 387 | 14.0701 | 14.0100 | 0.0000 | 0.0000 | 0 | 0.00 |

| <u>DATE</u> | <u>CONTRACT</u> | | <u>OPEN INT</u> | <u>MTM</u> | <u>PREV MTM</u> | <u>HIGH</u> | <u>LOW</u> | <u>DAILY VOLUME</u> | <u>CUMULATIVE VOLUME</u> | | |
|---------------|-----------------|------------|-----------------|------------|-----------------|-------------|------------|---------------------|--------------------------|----------------------|---------------------------|
| May 2019 | DAUS | Future | 91 | 14.0734 | 14.0133 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | DAUS | Future | 74 | 14.0800 | 14.0198 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | DAUS | Future | 2,381 | 14.1196 | 14.0591 | 0.0000 | 0.0000 | 40 | 566,320.00 | | |
| Jul 2019 | DAUS | Future | 55 | 14.1246 | 14.0640 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jul 2019 | DAUS | Future | 982 | 14.1751 | 14.1141 | 0.0000 | 0.0000 | 47 | 667,019.90 | | |
| Aug 2019 | DAUS | Future | 55 | 14.1768 | 14.1158 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Aug 2019 | DAUS | Future | 2,216 | 14.2259 | 14.1645 | 0.0000 | 0.0000 | 13 | 183,866.80 | | |
| Sep 2019 | DAUS | Future | 55 | 14.2310 | 14.1695 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | DAUS | Future | 74 | 14.2344 | 14.1729 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | DAUS | Future | 3,757 | 14.2496 | 14.1880 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | DAUS | Future | 98 | 14.2784 | 14.2169 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2019 | DAUS | Future | 55 | 14.2818 | 14.2203 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2019 | DAUS | Future | 153 | 14.3311 | 14.2695 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2019 | DAUS | Future | 97 | 14.3814 | 14.3202 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | DAUS | Future | 55 | 14.3866 | 14.3255 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | DAUS | Future | 321 | 14.3901 | 14.3291 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | DAUS | Future | 45 | 14.4371 | 14.3755 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jan 2020 | DAUS | Future | 55 | 14.4406 | 14.3789 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jan 2020 | DAUS | Future | 55 | 14.4912 | 14.4301 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Feb 2020 | DAUS | Future | 3,500 | 14.5399 | 14.4801 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | DAUS | Future | 55 | 14.5450 | 14.4855 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2020 | DAUS | Future | 55 | 14.6001 | 14.5398 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2020 | DAUS | Future | 55 | 14.6501 | 14.5907 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2020 | DAUS | Future | 1,055 | 14.7140 | 14.6578 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jul 2020 | DAUS | Future | 84,000 | 14.8204 | 14.7654 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>164,186</u> | | | | | <u>149.00</u> | <u>2,103,774.70</u> | <u>12 094 576.00</u> | <u>150 788 645 403.30</u> |
| Option | | | | | | | | | | | |
| Apr 2019 | DAUS | 14.40 Call | 20,000 | 12.4274 | 10.1481 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 14.44 Call | 60,000 | 10.2006 | 8.3317 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 14.45 Call | 40,000 | 9.7129 | 7.9331 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 14.20 Call | 25,000 | 61.2333 | 51.4317 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 14.50 Call | 50,000 | 17.5439 | 14.9601 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 14.55 Call | 25,000 | 14.1546 | 12.1099 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 13.00 Put | 3,000 | 2.2225 | 3.9267 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 13.49 Call | 2,500 | 553.5308 | 504.1648 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 13.95 Put | 734 | 140.3495 | 180.1687 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 14.20 Call | 734 | 110.1474 | 103.7251 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 14.20 Put | 250 | 287.8474 | 341.2251 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 14.25 Put | 250 | 323.7215 | 378.6136 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 14.45 Call | 734 | 54.4865 | 53.5705 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 14.84 Call | 500 | 17.0659 | 17.9380 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Apr 2019 | DAUS | 15.61 Call | 250 | 1.5979 | 2.1435 | 0.0000 | 0.0000 | 0 | 0.00 | | |

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|-------------|-----------------|------------|-----------------|------------|-----------------|-------------|------------|---------------------|--------------------------|
| Apr 2019 | DAUS | 15.96 Call | 250 | 0.5537 | 0.9849 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 13.75 Put | 22,000 | 93.7023 | 127.2515 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 13.95 Call | 20,000 | 258.8941 | 241.5976 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 14.03 Call | 65,000 | 220.0351 | 207.4667 | 0.0000 | 0.0000 | 3,000 | 0.00 |
| May 2019 | DAUS | 13.72 Call | 50,000 | 411.0621 | 384.1566 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 14.20 Call | 50,000 | 167.8431 | 161.2178 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 14.25 Call | 61,000 | 200.3984 | 185.6218 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 15.25 Call | 40,000 | 36.6523 | 34.4608 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 15.50 Call | 21,000 | 23.5166 | 21.9559 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 13.00 Put | 500 | 20.2496 | 24.9913 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 14.20 Put | 250 | 386.3773 | 427.0225 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 14.25 Put | 250 | 418.5936 | 460.5862 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 15.01 Call | 500 | 79.7362 | 74.1326 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 15.79 Call | 250 | 22.7767 | 20.8442 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 16.15 Call | 250 | 11.5100 | 10.6859 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 13.83 Put | 45,000 | 211.4494 | 237.7057 | 0.0000 | 0.0000 | 90,000 | 0.00 |
| Jun 2019 | DAUS | 14.06 Put | 18,000 | 321.0287 | 354.5241 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 14.15 Put | 18,000 | 372.1825 | 409.2685 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 14.25 Put | 18,000 | 434.4877 | 474.2351 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 13.00 Put | 500 | 33.2425 | 40.1249 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 14.02 Put | 29,000 | 334.3899 | 366.4896 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 14.20 Put | 250 | 435.2399 | 473.1830 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 14.25 Put | 250 | 466.1656 | 505.2780 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 15.17 Call | 500 | 119.3085 | 112.0900 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 15.33 Call | 29,000 | 99.7502 | 93.9268 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 15.96 Call | 250 | 47.5559 | 44.5098 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 16.32 Call | 250 | 30.8472 | 28.9952 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 13.00 Put | 500 | 62.9957 | 72.3011 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 14.20 Put | 250 | 481.0673 | 518.9238 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 14.25 Put | 250 | 511.0191 | 549.8673 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 15.34 Call | 500 | 163.1773 | 155.5165 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 16.14 Call | 250 | 79.9248 | 76.3407 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 16.50 Call | 250 | 58.4506 | 55.9445 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 14.48 Put | 3,147 | 672.0225 | 714.6539 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 16.35 Call | 3,147 | 82.0005 | 79.0135 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 13.00 Put | 500 | 86.8197 | 97.7613 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 14.20 Put | 250 | 516.3441 | 553.2344 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 14.25 Put | 250 | 544.6590 | 583.3852 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 15.52 Call | 500 | 194.4318 | 187.0644 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 16.33 Call | 250 | 105.5402 | 101.9306 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 16.70 Call | 250 | 80.8526 | 78.3151 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | 19.00 Call | 20,000 | 22.2104 | 21.3037 | 0.0000 | 0.0000 | 0 | 0.00 |

| DATE | CONTRACT | | OPEN INT | MTM | PREV MTM | HIGH | LOW | DAILY VOLUME | CUMULATIVE VOLUME | | |
|---------------|----------|------------|----------------|----------|----------|--------|--------|------------------|---------------------|----------------------|---------------------------|
| Sep 2019 | DAUS | 13.00 Put | 500 | 109.1961 | 121.4756 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | DAUS | 14.20 Put | 250 | 545.1145 | 581.2717 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | DAUS | 14.25 Put | 250 | 573.0108 | 610.7980 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | DAUS | 15.68 Call | 500 | 225.0289 | 217.9784 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | DAUS | 16.50 Call | 250 | 130.8245 | 127.4694 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | DAUS | 16.89 Call | 250 | 102.5826 | 100.2944 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2019 | DAUS | 13.00 Put | 500 | 131.1742 | 144.4313 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2019 | DAUS | 14.20 Put | 250 | 573.9117 | 609.6287 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2019 | DAUS | 14.25 Put | 250 | 601.5309 | 638.0983 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2019 | DAUS | 15.87 Call | 500 | 251.6667 | 244.2778 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2019 | DAUS | 16.70 Call | 250 | 154.9133 | 151.1577 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Oct 2019 | DAUS | 17.09 Call | 250 | 125.0470 | 122.3454 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2019 | DAUS | 13.00 Put | 500 | 149.9794 | 163.8701 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2019 | DAUS | 14.20 Put | 250 | 597.1825 | 632.1060 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2019 | DAUS | 14.25 Put | 250 | 624.6094 | 660.3155 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2019 | DAUS | 16.03 Call | 500 | 277.6826 | 269.8907 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2019 | DAUS | 16.87 Call | 250 | 177.8991 | 173.5487 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Nov 2019 | DAUS | 17.26 Call | 250 | 146.7537 | 144.5889 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | DAUS | 13.00 Put | 500 | 169.0421 | 183.0796 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | DAUS | 14.20 Put | 250 | 618.8665 | 652.4630 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | DAUS | 14.25 Put | 250 | 646.0682 | 680.3915 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | DAUS | 16.21 Call | 500 | 302.6981 | 293.4465 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | DAUS | 17.05 Call | 250 | 201.9302 | 196.4009 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | DAUS | 17.44 Call | 250 | 172.8507 | 169.6220 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>757,496</u> | | | | | <u>93,000.00</u> | <u>0.00</u> | <u>24 688 494.00</u> | <u>0.00</u> |
| Total | | | 921,682 | | | | | 93,149.00 | 2,103,774.70 | 36 783 070.00 | 150 788 645 403.30 |
| Future | | | | | | | | | | | |
| Jun 2019 | EUUS | Future | 5 | 1.1335 | 1.1311 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | EUUS | Future | 143 | 1.1424 | 1.1400 | 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 | 350 | 1.3130 | 1.3132 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>350</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>176 520.00</u> | <u>2 273 259 237.00</u> |
| Total | | | 350 | | | | | 0.00 | 0.00 | 176 520.00 | 2 273 259 237.00 |
| Future | | | | | | | | | | | |
| Jun 2019 | ZAAD | Future | 27,027 | 10.0772 | 10.0385 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAAD | Future | 1,731 | 10.2097 | 10.1702 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAAD | Future | 400 | 10.3382 | 10.2988 | 0.0000 | 0.0000 | 0 | 0.00 | | |

| DATE | CONTRACT | | OPEN INT | MTM | PREV MTM | HIGH | LOW | DAILY VOLUME | CUMULATIVE VOLUME | | | |
|---------------|----------|------|--------------|----------------|----------|----------|---------|--------------|-------------------|---------------------|-------------------|--------------------|
| | | | 29,158 | | | | | 0.00 | 0.00 | 3 887 209.00 | 34 114 011 743.10 | |
| Option | | | | | | | | | | | | |
| | Dec 2019 | ZAAD | 11.00 Call | 1,000 | 194.6457 | 184.5534 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | | 1,000 | | | | | 0.00 | 0.00 | 34 377.00 | 0.00 |
| | | | Total | 30,158 | | | | | 0.00 | 0.00 | 3 921 586.00 | 34 114 011 743.10 |
| Future | | | | | | | | | | | | |
| | Jun 2019 | ZACA | Future | 2,200 | 10.5596 | 10.5442 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Sep 2019 | ZACA | Future | 1,165 | 10.7013 | 10.6852 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | | 3,365 | | | | | 0.00 | 0.00 | 158 248.00 | 1 577 210 800.10 |
| | | | Total | 3,365 | | | | | 0.00 | 0.00 | 158 248.00 | 1 577 210 800.10 |
| Future | | | | | | | | | | | | |
| | Jun 2019 | ZADK | Future | 235 | 2.1414 | 2.1276 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | | 235 | | | | | 0.00 | 0.00 | 14 810.00 | 319 921 189.00 |
| | | | Total | 235 | | | | | 0.00 | 0.00 | 14 810.00 | 319 921 189.00 |
| Future | | | | | | | | | | | | |
| | Jun 2019 | ZAEU | Future | 120,368 | 15.9784 | 15.8764 | 15.9745 | 15.8700 | 380 | 6,063,147.10 | | |
| | Sep 2019 | ZAEU | Future | 42,882 | 16.2847 | 16.1799 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Dec 2019 | ZAEU | Future | 32,686 | 16.5766 | 16.4708 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Mar 2020 | ZAEU | Future | 4,361 | 16.8961 | 16.7902 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | | 200,297 | | | | | 380.00 | 6,063,147.10 | 16 700 838.00 | 242 317 997 630.10 |
| Option | | | | | | | | | | | | |
| | Jun 2019 | ZAEU | 15.35 Put | 570 | 113.8297 | 144.8797 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Jun 2019 | ZAEU | 16.64 Call | 300 | 164.5155 | 146.8622 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Jun 2019 | ZAEU | 16.73 Put | 500 | 898.8838 | 984.6866 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Sep 2019 | ZAEU | 15.62 Put | 14,429 | 283.3787 | 326.0972 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Sep 2019 | ZAEU | 15.85 Put | 587 | 377.5112 | 427.2756 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Sep 2019 | ZAEU | 18.27 Call | 14,429 | 151.2446 | 140.7595 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Dec 2019 | ZAEU | 13.73 Put | 17,150 | 37.1402 | 42.4222 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Dec 2019 | ZAEU | 14.09 Put | 136,646 | 57.3961 | 65.2470 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Dec 2019 | ZAEU | 14.23 Put | 61,500 | 67.5573 | 76.6440 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Dec 2019 | ZAEU | 15.70 Put | 136,646 | 351.9519 | 392.4786 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Dec 2019 | ZAEU | 15.85 Put | 61,500 | 410.4479 | 456.4671 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Dec 2019 | ZAEU | 16.15 Put | 17,150 | 547.2701 | 600.5434 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Dec 2019 | ZAEU | 19.79 Call | 136,646 | 162.4552 | 155.4090 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Dec 2019 | ZAEU | 19.80 Call | 61,500 | 161.7501 | 154.9777 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | Dec 2019 | ZAEU | 20.62 Call | 17,150 | 129.3278 | 126.6921 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | | 676,703 | | | | | 0.00 | 0.00 | 12 048 500.00 | 0.00 |
| | | | Total | 877,000 | | | | | 380.00 | 6,063,147.10 | 28 749 338.00 | 242 317 997 630.10 |

| DATE | CONTRACT | | OPEN INT | MTM | PREV MTM | HIGH | LOW | DAILY VOLUME | CUMULATIVE VOLUME | |
|---------------|----------|--------------|----------------|----------|----------|---------|---------|-----------------|----------------------|---------------------------|
| Future | | | | | | | | | | |
| Jun 2019 | ZAFR | Future | 1,093 | 14.1463 | 14.0853 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Sep 2019 | ZAFR | Future | 300 | 14.4317 | 14.3685 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | <u>1,393</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>633 002.00</u> |
| | | Total | 1,393 | | | | | 0.00 | 0.00 | 633 002.00 |
| Future | | | | | | | | | | |
| Jun 2019 | ZAGB | Future | 118,951 | 18.5091 | 18.4330 | 18.3786 | 18.3700 | 3,593 | 66,255,694.10 | |
| Sep 2019 | ZAGB | Future | 22,418 | 18.8021 | 18.7239 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2019 | ZAGB | Future | 12,845 | 19.0771 | 18.9997 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Mar 2020 | ZAGB | Future | 4,674 | 19.3749 | 19.2998 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | <u>158,888</u> | | | | | <u>3,593.00</u> | <u>66,255,694.10</u> | <u>14 687 869.00</u> |
| | | Total | | | | | | 3,593.00 | 66,255,694.10 | 16 478 682.00 |
| Option | | | | | | | | | | |
| Jun 2019 | ZAGB | 18.00 Call | 1,000 | 724.3677 | 691.9967 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Sep 2019 | ZAGB | 19.15 Put | 500 | 902.9582 | 969.6442 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2019 | ZAGB | 18.75 Put | 500 | 731.8413 | 787.4381 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2019 | ZAGB | 22.13 Call | 500 | 200.8207 | 198.2099 | 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> |
| | | Total | 161,388 | | | | | 3,593.00 | 66,255,694.10 | 252 609 935 424.60 |
| Future | | | | | | | | | | |
| Jun 2019 | ZAKS | Future | 2,166 | 0.1384 | 0.1378 | 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 | 515 662 000.00 |
| Future | | | | | | | | | | |
| Sep 2019 | ZANZ | Future | 646 | 9.6280 | 9.5982 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | <u>646</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>147 042.00</u> |
| | | Total | 646 | | | | | 0.00 | 0.00 | 1 130 048 204.60 |
| Future | | | | | | | | | | |
| Jun 2019 | ZATR | Future | 3,646 | 2.3549 | 2.3699 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | <u>3,646</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>556 277.00</u> |
| | | Total | 3,646 | | | | | 0.00 | 0.00 | 1 668 453 313.10 |
| Future | | | | | | | | | | |
| Jun 2019 | ZAUM | Future | 449 | 14.0965 | 14.0362 | 0.0000 | 0.0000 | 10 | 14,110,000.00 | |
| | | | <u>449</u> | | | | | <u>10.00</u> | <u>14,110,000.00</u> | <u>156 783.00</u> |
| | | Total | 449 | | | | | 10.00 | 14,110,000.00 | 182 277 396 240.00 |

| <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 | Future | 857,859 | 14.0965 | 14.0362 | 14.1501 | 13.9826 | 53,074 | 745,755,208.30 |
| Sep 2019 | ZAUS | Future | 27,028 | 14.2547 | 14.1931 | 14.2630 | 14.1281 | 701 | 9,928,441.00 |
| Dec 2019 | ZAUS | Future | 22,753 | 14.4059 | 14.3448 | 14.3162 | 14.3162 | 10 | 143,162.00 |
| Mar 2020 | ZAUS | Future | 10,345 | 14.5695 | 14.5102 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2020 | ZAUS | Future | 700 | 14.7328 | 14.6775 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | <u>918,685</u> | | | | | <u>53,785.00</u> | <u>755,826,811.30</u> |
| | | | | | | | | | <u>202 657 546.00</u> |
| | | | | | | | | | <u>2 461 482 249 997.40</u> |

Option

| | | | | | | | | | |
|----------|------|------------|---------|----------|----------|--------|--------|-------|------|
| Jun 2019 | ZAUS | 10.69 Put | 1,000 | 0.1781 | 0.2184 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 12.28 Put | 1,000 | 3.9715 | 4.6397 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 12.65 Put | 1,050 | 7.9540 | 9.2033 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 12.75 Put | 1,000 | 10.6853 | 13.5189 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 12.92 Put | 2,100 | 19.9783 | 24.6440 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 12.98 Put | 911 | 24.5147 | 29.9898 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.00 Put | 165,703 | 26.1984 | 31.9629 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.10 Put | 14,000 | 36.0485 | 43.4090 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.22 Put | 122,704 | 51.4564 | 61.0643 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.24 Put | 30,000 | 54.4515 | 64.4684 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.25 Put | 4,582 | 55.9973 | 66.2229 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.28 Put | 122,704 | 60.8358 | 71.6990 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.30 Put | 143,800 | 64.2327 | 75.5331 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.35 Put | 4,317 | 73.3444 | 85.7777 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.50 Call | 7,500 | 704.1990 | 660.9257 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.60 Call | 700 | 632.9772 | 592.5942 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.60 Put | 700 | 136.4772 | 156.3942 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.83 Put | 25,000 | 220.5684 | 247.4181 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.90 Call | 100 | 447.7373 | 416.4008 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.91 Put | 1,000 | 255.8114 | 285.0743 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.98 Call | 1,000 | 405.6769 | 376.7237 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.00 Call | 20,000 | 395.6409 | 367.2738 | 0.0000 | 0.0000 | 2,000 | 0.00 |
| Jun 2019 | ZAUS | 14.00 Put | 301,700 | 299.1409 | 331.0738 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.06 Put | 2,100 | 330.1589 | 364.0826 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.07 Put | 39,589 | 335.4915 | 369.9566 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.20 Put | 13,600 | 411.4964 | 450.2928 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.25 Put | 1,982 | 442.9861 | 483.0623 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.30 Put | 30,000 | 475.5049 | 516.8105 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.35 Call | 1,050 | 255.5091 | 237.6907 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.42 Call | 30 | 233.9988 | 217.7346 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.44 Put | 31,500 | 571.6758 | 616.1373 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.58 Call | 1,000 | 191.1716 | 178.0726 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.63 Put | 8,203 | 712.9384 | 761.0187 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.65 Put | 1,000 | 728.4486 | 776.8660 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.66 Call | 122,704 | 172.7439 | 161.0289 | 0.0000 | 0.0000 | 0 | 0.00 |

| <u>DATE</u> | <u>CONTRACT</u> | | <u>OPEN INT</u> | <u>MTM</u> | <u>PREV MTM</u> | <u>HIGH</u> | <u>LOW</u> | <u>DAILY VOLUME</u> | <u>CUMULATIVE VOLUME</u> |
|-------------|-----------------|------------|-----------------|------------|-----------------|-------------|------------|---------------------|--------------------------|
| Jun 2019 | ZAUS | 14.72 Call | 122,704 | 160.0968 | 149.3394 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.75 Call | 2,000 | 154.1261 | 143.8203 | 0.0000 | 0.0000 | 4,000 | 0.00 |
| Jun 2019 | ZAUS | 14.78 Call | 250 | 148.3807 | 138.3971 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.82 Call | 30,000 | 140.9814 | 131.4843 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.00 Call | 17,500 | 111.7683 | 104.4664 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.10 Call | 2,900 | 98.2869 | 91.9975 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.30 Call | 14,000 | 76.1448 | 71.5130 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.32 Call | 1,980 | 74.2388 | 69.7479 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.50 Call | 146,182 | 59.1997 | 54.9203 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.58 Call | 1,380 | 52.3867 | 48.4675 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.60 Call | 143,800 | 50.8013 | 46.9671 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.64 Call | 39,589 | 47.7639 | 44.0945 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.66 Call | 122,704 | 46.3098 | 42.7210 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.73 Call | 122,704 | 41.5400 | 38.2174 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.80 Call | 1,000 | 37.2366 | 34.1605 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.89 Call | 6,800 | 32.3208 | 29.5348 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.92 Call | 911 | 30.8243 | 28.1293 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 16.00 Call | 5,020 | 27.1490 | 24.6817 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 16.09 Call | 6,800 | 23.5166 | 21.2828 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 17.96 Call | 8,203 | 3.2153 | 3.4430 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 10.75 Put | 1,000 | 3.9042 | 4.3505 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 12.50 Put | 1,000 | 45.1819 | 48.6781 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 12.87 Put | 9,783 | 77.7969 | 87.4513 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 13.02 Put | 17,287 | 102.6589 | 114.6127 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 13.15 Put | 11,333 | 128.5263 | 142.6713 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 13.25 Put | 3,900 | 151.3723 | 167.3172 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 13.65 Call | 5,666 | 877.9743 | 841.5281 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 13.70 Put | 2,000 | 292.8413 | 319.0707 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 13.75 Put | 1,000 | 313.2180 | 340.5207 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 13.77 Put | 28,500 | 321.5926 | 349.3213 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 13.80 Put | 14,000 | 334.3987 | 362.7667 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 13.90 Put | 5,908 | 379.1521 | 409.6331 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 13.92 Put | 2,149 | 388.4824 | 419.3838 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 13.97 Put | 800 | 412.3608 | 444.2986 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.00 Put | 1,000 | 427.0598 | 459.6143 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.04 Call | 1,000 | 661.7909 | 633.5652 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.12 Put | 177 | 488.6210 | 523.5965 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.21 Put | 2,700 | 537.6333 | 574.5085 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.30 Put | 9,783 | 589.7892 | 628.9217 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.36 Put | 111 | 626.2585 | 666.4270 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.46 Put | 17,287 | 689.2063 | 731.0327 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.50 Call | 14,000 | 469.8164 | 450.6795 | 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 | 14.50 Put | 14,000 | 715.1164 | 757.5795 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.65 Put | 3,000 | 815.8226 | 860.5364 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.70 Put | 1,000 | 850.5780 | 895.9902 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.75 Call | 1,000 | 390.5924 | 375.0870 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.82 Put | 1,000 | 936.2462 | 983.2533 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 14.85 Put | 3,000 | 958.1433 | 1005.5269 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 15.00 Call | 750 | 325.1175 | 312.7957 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 15.03 Call | 177 | 318.1279 | 306.1406 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 15.16 Call | 111 | 289.6616 | 279.0378 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 15.38 Put | 5,000 | 1372.9413 | 1425.9235 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 15.51 Call | 28,500 | 226.0359 | 218.4420 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 15.56 Put | 2,571 | 1523.5990 | 1577.9738 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 15.87 Call | 1,000 | 175.4721 | 169.4498 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 16.66 Call | 2,149 | 101.9392 | 99.0489 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 16.67 Call | 14,000 | 101.2677 | 98.4056 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 17.12 Call | 17,287 | 76.0768 | 74.7222 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 17.18 Call | 9,783 | 73.9244 | 72.6364 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 17.23 Call | 800 | 72.2004 | 70.9663 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 17.64 Call | 5,000 | 60.1802 | 59.3007 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 17.85 Call | 2,700 | 55.2363 | 54.4911 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 17.93 Call | 2,571 | 53.5311 | 52.8315 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | ZAUS | 18.47 Call | 1,200 | 44.0950 | 43.1871 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 11.89 Put | 1,000 | 28.5261 | 30.8627 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 12.87 Put | 139,860 | 133.1936 | 144.7714 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 13.00 Put | 49,600 | 158.6477 | 172.8061 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 13.03 Put | 69,000 | 165.3130 | 179.8911 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 13.66 Put | 1,000 | 352.6289 | 377.1566 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 13.80 Put | 500 | 410.4610 | 438.6239 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 13.94 Put | 139,860 | 474.6968 | 505.1826 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 14.00 Put | 34,000 | 503.7712 | 535.2355 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 14.07 Put | 1,351 | 538.8398 | 571.4253 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 14.08 Put | 4,150 | 543.9488 | 576.6949 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 14.10 Put | 52,300 | 554.2413 | 587.3025 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 14.11 Put | 24,055 | 559.4245 | 592.6450 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 14.12 Put | 69,000 | 564.6323 | 598.0117 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 14.41 Put | 49,600 | 726.1209 | 764.1138 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 15.80 Call | 250 | 340.4002 | 331.2831 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 16.13 Call | 52,300 | 285.9806 | 278.2479 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 16.20 Call | 50,100 | 275.6679 | 268.2922 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 16.25 Call | 26,000 | 268.5673 | 261.4353 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 16.35 Call | 4,150 | 254.9866 | 248.3224 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | ZAUS | 16.37 Call | 500 | 252.3682 | 245.7918 | 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 | 16.55 Call | 24,055 | 230.1701 | 224.3475 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | 16.85 Call | 1,351 | 198.1099 | 193.3604 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | 16.99 Call | 69,000 | 185.0029 | 180.6871 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | 17.02 Call | 139,860 | 182.3354 | 178.1048 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | 17.38 Call | 1,000 | 155.6621 | 154.7442 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | 20.00 Call | 2,000 | 51.0753 | 49.0896 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 11.91 Put | 1,000 | 38.6521 | 42.3409 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 12.96 Put | 277,778 | 199.5136 | 214.0272 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 13.06 Put | 275,862 | 225.2309 | 240.9903 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 13.19 Put | 272,897 | 260.4936 | 277.2720 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 13.78 Put | 60,000 | 461.3825 | 485.5105 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 14.01 Put | 1,000 | 565.3988 | 594.3554 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 14.40 Put | 277,778 | 772.1944 | 805.9217 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 14.51 Put | 275,862 | 836.1050 | 871.0814 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 14.66 Put | 272,897 | 926.9130 | 963.5184 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 16.60 Call | 277,778 | 362.6100 | 353.6232 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 16.81 Call | 275,862 | 333.2220 | 325.1735 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 17.04 Call | 272,897 | 304.3801 | 297.2481 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 17.73 Call | 1,000 | 242.4829 | 240.5861 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 17.88 Call | 60,000 | 234.7116 | 233.0624 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2020 | ZAUS | 11.90 Put | 900 | 61.9690 | 65.7135 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2020 | ZAUS | 14.25 Put | 900 | 732.9538 | 762.6486 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2020 | ZAUS | 17.26 Call | 900 | 407.1282 | 401.2966 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>5,899,892</u> | | | | | <u>6,000.00</u> | <u>0.00</u> | <u>71 674 316.00</u> | <u>0.00</u> |
| | Total | | 6,818,577 | | | | | 59,785.00 | 755,826,811.30 | 274 331 862.00 | 2 461 482 249 997.40 |
| | Grand Total | | 8,887,491 | | | | | 156,921.00 | 844 422 571.20 | 375,208,190 | 3,413,666,941,761.42 |