



JOHANNESBURG STOCK EXCHANGE

Currency Derivatives

CURRENCY FUTURES DAILY TRADE INFORMATION FOR 27-December-2018

| DATE | CONTRACT | | OPEN INT | MTM | PREV MTM | HIGH | LOW | DAILY VOLUME | CUMULATIVE VOLUME | | |
|---------------|--------------|------------|---------------|----------|----------|--------|--------|--------------|-------------------|---------------------|--------------------------|
| Future | | | | | | | | | | | |
| Jan 2019 | DAEU | Future | 4,830 | 16.6717 | 16.6877 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Feb 2019 | DAEU | Future | 29 | 16.8048 | 16.8176 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | DAEU | Future | 53 | 16.8567 | 16.8691 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>4,912</u> | | | | | <i>0.00</i> | <i>0.00</i> | <i>811 215.00</i> | <i>12 127 077 435.00</i> |
| Option | | | | | | | | | | | |
| Jan 2019 | DAEU | 15.85 Put | 13,000 | 5.5295 | 8.3146 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Aug 2019 | DAEU | 17.01 Put | 16,200 | 724.4740 | 725.8212 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Aug 2019 | DAEU | 19.65 Call | 62,400 | 376.6094 | 386.5030 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>91,600</u> | | | | | <i>0.00</i> | <i>0.00</i> | <i>1 510 587.00</i> | <i>0.00</i> |
| | Total | | 96,512 | | | | | 0.00 | 0.00 | 2 321 802.00 | 12 127 077 435.00 |
| Future | | | | | | | | | | | |
| Jan 2019 | DAGB | Future | 4,112 | 18.4482 | 18.5085 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jan 2019 | DAGB | Future | 27 | 18.4815 | 18.5390 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Feb 2019 | DAGB | Future | 47 | 18.5704 | 18.6281 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | DAGB | Future | 80 | 18.6623 | 18.7207 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>4,266</u> | | | | | <i>0.00</i> | <i>0.00</i> | <i>62 358.00</i> | <i>1 041 064 928.30</i> |
| | Total | | 4,266 | | | | | 0.00 | 0.00 | 269 671.00 | 1 041 064 928.30 |
| Future | | | | | | | | | | | |
| Dec 2018 | DAUS | Future | 285 | 14.5399 | 14.5732 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2018 | DAUS | Future | 1,952 | 14.5399 | 14.5767 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jan 2019 | DAUS | Future | 55 | 14.5388 | 14.5790 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jan 2019 | DAUS | Future | 324 | 14.5599 | 14.6004 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jan 2019 | DAUS | Future | 20 | 14.5618 | 14.6021 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jan 2019 | DAUS | Future | 126 | 14.5636 | 14.6038 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jan 2019 | DAUS | Future | 1,901 | 14.5709 | 14.6105 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jan 2019 | DAUS | Future | 51 | 14.5782 | 14.6173 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jan 2019 | DAUS | Future | 1,018 | 14.5874 | 14.6260 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jan 2019 | DAUS | Future | 1,655 | 14.5892 | 14.6278 | 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 | 70 | 14.6124 | 14.6511 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2019 | DAUS | Future | 6 | 14.6160 | 14.6547 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2019 | DAUS | Future | 15 | 14.6338 | 14.6726 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2019 | DAUS | Future | 6,098 | 14.6392 | 14.6780 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | Future | 74 | 14.6464 | 14.6852 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | Future | 80 | 14.6482 | 14.6870 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | Future | 3,731 | 14.6877 | 14.7267 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | Future | 4,356 | 14.6913 | 14.7304 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | Future | 55 | 14.6987 | 14.7378 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | Future | 1,580 | 14.7506 | 14.7895 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | Future | 875 | 14.8081 | 14.8468 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | Future | 74 | 14.8155 | 14.8542 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | Future | 505 | 14.8600 | 14.8985 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | Future | 55 | 14.8657 | 14.9042 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | Future | 55 | 14.9247 | 14.9630 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | Future | 55 | 14.9855 | 15.0237 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | Future | 74 | 14.9893 | 15.0275 | 0.0000 | 0.0000 | 0 | 0.00 |
| Oct 2019 | DAUS | Future | 55 | 15.0426 | 15.0807 | 0.0000 | 0.0000 | 0 | 0.00 |
| Oct 2019 | DAUS | Future | 55 | 15.0993 | 15.1370 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | DAUS | Future | 55 | 15.1619 | 15.1993 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2019 | DAUS | Future | 321 | 15.1658 | 15.2032 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2020 | DAUS | Future | 55 | 15.2229 | 15.2600 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2020 | DAUS | Future | 55 | 15.2838 | 15.3209 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2020 | DAUS | Future | 55 | 15.3490 | 15.3860 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2020 | DAUS | Future | 55 | 15.4142 | 15.4511 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2020 | DAUS | Future | 55 | 15.4710 | 15.5078 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2020 | DAUS | Future | 1,055 | 15.5425 | 15.5792 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2020 | DAUS | Future | 84,000 | 15.6602 | 15.6967 | 0.0000 | 0.0000 | 0 | 0.00 |
| | | | <u>110,961</u> | | | | | <u>0.00</u> | <u>0.00</u> |
| | | | | | | | | | <u>11 019 282.00</u> |
| | | | | | | | | | <u>135 466 978 687.10</u> |
| Option | | | | | | | | | |
| Dec 2018 | DAUS | 13.00 Put | 500 | 0.0361 | 0.0119 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2018 | DAUS | 13.80 Put | 1,000 | 2.8296 | 3.2253 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2018 | DAUS | 14.22 Call | 500 | 343.2210 | 386.7348 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2018 | DAUS | 14.25 Put | 250 | 27.0347 | 34.5986 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2018 | DAUS | 14.96 Put | 250 | 436.0095 | 414.4318 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2018 | DAUS | 16.93 Call | 500 | 0.0443 | 0.0638 | 0.0000 | 0.0000 | 0 | 0.00 |
| Dec 2018 | DAUS | 17.58 Call | 500 | 0.0382 | 0.0231 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 13.57 Put | 600 | 1.5096 | 1.9579 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 13.93 Call | 600 | 620.3963 | 660.4863 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 14.35 Call | 600 | 258.4079 | 304.2530 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 13.64 Put | 250 | 4.3619 | 4.5213 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 14.12 Call | 250 | 463.6289 | 501.8464 | 0.0000 | 0.0000 | 0 | 0.00 |

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|-------------|-----------------|------------|-----------------|------------|-----------------|-------------|------------|---------------------|--------------------------|
| Jan 2019 | DAUS | 14.65 Call | 250 | 129.6478 | 164.6072 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 13.86 Put | 174 | 22.3515 | 25.6833 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 14.00 Call | 174 | 601.3617 | 645.5345 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 14.29 Put | 218 | 115.4143 | 117.0418 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 14.36 Call | 218 | 341.4128 | 382.3580 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 12.66 Put | 263 | 1.2723 | 1.2223 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 13.00 Put | 500 | 5.4098 | 4.9698 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 14.20 Put | 250 | 151.9582 | 152.4475 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 14.25 Put | 250 | 169.5616 | 169.6829 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 14.38 Call | 500 | 430.4814 | 467.9783 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 15.13 Call | 250 | 148.2558 | 172.1061 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jan 2019 | DAUS | 15.47 Call | 250 | 88.3635 | 106.4155 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2019 | DAUS | 13.00 Put | 500 | 19.9435 | 22.0391 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2019 | DAUS | 14.20 Put | 250 | 232.5645 | 228.9731 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2019 | DAUS | 14.25 Put | 250 | 252.1277 | 248.0742 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2019 | DAUS | 14.52 Call | 500 | 493.7746 | 525.6161 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2019 | DAUS | 15.27 Call | 250 | 230.0507 | 250.9726 | 0.0000 | 0.0000 | 0 | 0.00 |
| Feb 2019 | DAUS | 15.63 Call | 250 | 157.5817 | 174.1655 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | 13.94 Put | 27,500 | 168.3393 | 165.7123 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | 15.15 Call | 27,500 | 302.3948 | 324.1941 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | 13.88 Put | 32,000 | 181.8275 | 178.8644 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | 14.00 Put | 65,000 | 218.5652 | 213.6157 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | 13.00 Put | 500 | 42.8138 | 43.6576 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | 14.20 Put | 250 | 297.4106 | 290.5324 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | 14.25 Put | 250 | 318.0829 | 310.7253 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | 14.67 Call | 500 | 544.9649 | 572.2980 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | 15.43 Call | 250 | 295.2110 | 313.2525 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | DAUS | 15.79 Call | 250 | 220.6879 | 235.0416 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | 13.76 Put | 100 | 164.9827 | 162.3912 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | 14.35 Call | 100 | 730.1624 | 760.6394 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | 13.00 Put | 3,000 | 64.9829 | 63.6372 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | 13.49 Call | 2,500 | 1394.9018 | 1431.8184 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | 14.20 Put | 250 | 351.5675 | 343.9247 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | 14.25 Put | 250 | 372.9549 | 364.8897 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | 14.84 Call | 500 | 589.6359 | 614.5859 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | 15.61 Call | 250 | 351.0558 | 368.6090 | 0.0000 | 0.0000 | 0 | 0.00 |
| Apr 2019 | DAUS | 15.96 Call | 250 | 278.3895 | 293.1004 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 13.00 Put | 500 | 85.1431 | 83.2353 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 14.20 Put | 250 | 397.2175 | 388.9769 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 14.25 Put | 250 | 419.0226 | 410.4165 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 15.01 Call | 500 | 626.5456 | 650.3988 | 0.0000 | 0.0000 | 0 | 0.00 |
| May 2019 | DAUS | 15.79 Call | 250 | 396.8843 | 414.2966 | 0.0000 | 0.0000 | 0 | 0.00 |

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|-------------|-----------------|------------|-----------------|------------|-----------------|-------------|------------|---------------------|--------------------------|
| May 2019 | DAUS | 16.15 Call | 250 | 323.6440 | 338.4923 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 14.72 Put | 20,000 | 680.9890 | 668.9138 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 17.22 Call | 20,000 | 210.3076 | 220.4993 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 13.00 Put | 500 | 101.8959 | 99.7225 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 14.20 Put | 250 | 432.7961 | 424.3777 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 14.25 Put | 250 | 454.8667 | 446.1181 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 15.17 Call | 500 | 653.9626 | 677.0234 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 15.96 Call | 250 | 431.9080 | 449.0399 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | DAUS | 16.32 Call | 250 | 360.0834 | 374.9031 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 13.45 Put | 39,250 | 192.2261 | 189.0394 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 16.44 Call | 39,250 | 350.0047 | 364.3411 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 13.00 Put | 500 | 118.0889 | 114.0086 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 14.20 Put | 250 | 466.5303 | 458.9168 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 14.25 Put | 250 | 488.9194 | 480.9624 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 15.34 Call | 500 | 690.2630 | 712.6579 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 16.14 Call | 250 | 474.7997 | 491.6653 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jul 2019 | DAUS | 16.50 Call | 250 | 402.8855 | 418.2535 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 14.48 Put | 3,147 | 611.0190 | 601.6683 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 16.35 Call | 3,147 | 461.4545 | 477.3825 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 13.00 Put | 500 | 126.8021 | 124.8903 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 14.20 Put | 250 | 494.8032 | 488.3549 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 14.25 Put | 250 | 516.0131 | 509.2305 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 15.52 Call | 500 | 712.7361 | 734.6737 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 16.33 Call | 250 | 504.8585 | 521.4060 | 0.0000 | 0.0000 | 0 | 0.00 |
| Aug 2019 | DAUS | 16.70 Call | 250 | 432.1581 | 446.7106 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | 19.00 Call | 20,000 | 200.3650 | 205.8103 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | 13.00 Put | 500 | 135.1622 | 137.3072 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | 14.20 Put | 250 | 521.0806 | 515.9922 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | 14.25 Put | 250 | 542.3889 | 537.0559 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | 15.68 Call | 500 | 741.6981 | 763.1652 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | 16.50 Call | 250 | 538.0827 | 554.5316 | 0.0000 | 0.0000 | 0 | 0.00 |
| Sep 2019 | DAUS | 16.89 Call | 250 | 461.9491 | 476.7465 | 0.0000 | 0.0000 | 0 | 0.00 |
| Oct 2019 | DAUS | 13.00 Put | 500 | 151.0584 | 151.3324 | 0.0000 | 0.0000 | 0 | 0.00 |
| Oct 2019 | DAUS | 14.20 Put | 250 | 546.3521 | 541.7724 | 0.0000 | 0.0000 | 0 | 0.00 |
| Oct 2019 | DAUS | 14.25 Put | 250 | 567.7515 | 562.9329 | 0.0000 | 0.0000 | 0 | 0.00 |
| Oct 2019 | DAUS | 15.87 Call | 500 | 762.8211 | 783.8901 | 0.0000 | 0.0000 | 0 | 0.00 |
| Oct 2019 | DAUS | 16.70 Call | 250 | 564.6467 | 581.1104 | 0.0000 | 0.0000 | 0 | 0.00 |
| Oct 2019 | DAUS | 17.09 Call | 250 | 490.4934 | 504.8387 | 0.0000 | 0.0000 | 0 | 0.00 |
| Nov 2019 | DAUS | 13.00 Put | 500 | 161.8254 | 164.3978 | 0.0000 | 0.0000 | 0 | 0.00 |
| Nov 2019 | DAUS | 14.20 Put | 250 | 567.6440 | 563.4637 | 0.0000 | 0.0000 | 0 | 0.00 |
| Nov 2019 | DAUS | 14.25 Put | 250 | 589.1120 | 584.7454 | 0.0000 | 0.0000 | 0 | 0.00 |
| Nov 2019 | DAUS | 16.03 Call | 500 | 787.0399 | 807.5152 | 0.0000 | 0.0000 | 0 | 0.00 |

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|---------------|----------|--------------|----------------|----------|----------|---------|---------|--------------|-------------------|--------------------------|
| Nov 2019 | DAUS | 16.87 Call | 250 | 591.0793 | 607.1939 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Nov 2019 | DAUS | 17.26 Call | 250 | 518.5530 | 532.7215 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2019 | DAUS | 13.00 Put | 500 | 174.4815 | 178.1451 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2019 | DAUS | 14.20 Put | 250 | 588.7319 | 585.2112 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2019 | DAUS | 14.25 Put | 250 | 610.2913 | 606.6081 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2019 | DAUS | 16.21 Call | 500 | 811.3706 | 831.6700 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2019 | DAUS | 17.05 Call | 250 | 620.3414 | 636.9866 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2019 | DAUS | 17.44 Call | 250 | 549.4959 | 564.1871 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | 333,091 | | | | | 0.00 | 0.00 | 22 142 853.00 |
| | | Total | 444,052 | | | | | 0.00 | 0.00 | 33 162 135.00 |
| Future | | | | | | | | | | |
| Jun 2019 | EUUS | Future | 582 | 1.1585 | 1.1564 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | 582 | | | | | 0.00 | 0.00 | 745 357.00 |
| | | Total | 582 | | | | | 0.00 | 0.00 | 8 455 654 010.00 |
| Future | | | | | | | | | | |
| Mar 2019 | GBUS | Future | 400 | 1.2696 | 1.2702 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | 400 | | | | | 0.00 | 0.00 | 171 207.00 |
| | | Total | 400 | | | | | 0.00 | 0.00 | 2 202 856 108.00 |
| Future | | | | | | | | | | |
| Mar 2019 | ZAAD | Future | 5,943 | 10.3304 | 10.3965 | 10.3225 | 10.3225 | 1 | 10,322.50 | |
| Jun 2019 | ZAAD | Future | 15,743 | 10.4590 | 10.5246 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Dec 2019 | ZAAD | Future | 400 | 10.7331 | 10.8008 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | 22,086 | | | | | 1.00 | 10,322.50 | 3 841 365.00 |
| | | Total | | | | | | 1.00 | 10,322.50 | 33 645 659 758.20 |
| Option | | | | | | | | | | |
| Dec 2019 | ZAAD | 11.00 Call | 1,000 | 493.7146 | 526.1643 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | 1,000 | | | | | 0.00 | 0.00 | 34 377.00 |
| | | Total | 23,086 | | | | | 1.00 | 10,322.50 | 3 875 742.00 |
| Future | | | | | | | | | | |
| Mar 2019 | ZACA | Future | 500 | 10.7753 | 10.8558 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Sep 2019 | ZACA | Future | 250 | 11.0627 | 11.1444 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | 750 | | | | | 0.00 | 0.00 | 143 913.00 |
| | | Total | 750 | | | | | 0.00 | 0.00 | 1 422 918 420.10 |
| Future | | | | | | | | | | |
| Mar 2019 | ZAEU | Future | 123,602 | 16.8677 | 16.8804 | 16.8900 | 16.7500 | 24 | 403,130.00 | |
| Jun 2019 | ZAEU | Future | 24,250 | 17.1848 | 17.1985 | 0.0000 | 0.0000 | 0 | 0.00 | |
| Sep 2019 | ZAEU | Future | 10,459 | 17.5334 | 17.5490 | 0.0000 | 0.0000 | 0 | 0.00 | |

| DATE | CONTRACT | | OPEN INT | MTM | PREV MTM | HIGH | LOW | DAILY VOLUME | CUMULATIVE VOLUME | | |
|---------------|----------|------|--------------|----------------|-----------|-----------|---------|--------------|-------------------|-------------------|---------------------------|
| | Dec 2019 | ZAEU | Future | 277 | 17.8691 | 17.8847 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | | <u>158,588</u> | | | | | <u>24.00</u> | <u>403,130.00</u> | <u>16 030 023.00</u> |
| Option | | | | | | | | | | | <u>231 346 208 423.90</u> |
| | Mar 2019 | ZAEU | 16.00 Call | 650 | 1035.4983 | 1054.0966 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | Sep 2019 | ZAEU | 18.60 Call | 55,000 | 677.2990 | 690.5160 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | Dec 2019 | ZAEU | 13.73 Put | 17,150 | 55.9264 | 56.3858 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | Dec 2019 | ZAEU | 16.15 Put | 17,150 | 403.9042 | 405.4694 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | Dec 2019 | ZAEU | 20.62 Call | 17,150 | 525.5551 | 536.0112 | 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 | 265,688 | | | | | 24.00 | 403,130.00 | 26 986 899.00 |
| | | | | | | | | | | | <u>231 346 208 423.90</u> |
| Future | | | | | | | | | | | |
| | Mar 2019 | ZAFR | Future | 1,143 | 15.0057 | 14.9013 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | Jun 2019 | ZAFR | Future | 150 | 15.3040 | 15.1964 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | | <u>1,293</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>6 259 930.00</u> |
| | | | Total | 1,293 | | | | | 0.00 | 0.00 | 6 259 930.00 |
| | | | | | | | | | | | <u>6 745 075 094.60</u> |
| Future | | | | | | | | | | | |
| | Mar 2019 | ZAGB | Future | 397,715 | 18.6274 | 18.6855 | 18.6306 | 18.6100 | 8 | 148,941.80 | |
| | Jun 2019 | ZAGB | Future | 5,764 | 18.9123 | 18.9727 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | Sep 2019 | ZAGB | Future | 16,150 | 19.2219 | 19.2843 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | Dec 2019 | ZAGB | Future | 247 | 19.5168 | 19.5807 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | | <u>419,876</u> | | | | | <u>8.00</u> | <u>148,941.80</u> | <u>13 786 566.00</u> |
| Option | | | | | | | | | | | |
| | Mar 2019 | ZAGB | 18.00 Put | 500 | 334.1885 | 319.7313 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | Mar 2019 | ZAGB | 19.00 Call | 2,500 | 456.9581 | 484.0420 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | Mar 2019 | ZAGB | 19.19 Put | 1,000 | 955.5672 | 921.8227 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | Mar 2019 | ZAGB | 20.00 Call | 500 | 201.3255 | 215.6271 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | Mar 2019 | ZAGB | 20.18 Call | 1,500 | 173.0063 | 185.5947 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | Mar 2019 | ZAGB | 21.44 Call | 500 | 53.5989 | 55.3541 | 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 | 426,376 | | | | | 8.00 | 148,941.80 | 15 569 679.00 |
| | | | | | | | | | | | <u>235 695 079 803.20</u> |
| Future | | | | | | | | | | | |
| | Jun 2019 | ZAKS | Future | 2,166 | 0.1411 | 0.1412 | 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 |
| | | | | | | | | | | | <u>515 662 000.00</u> |
| Future | | | | | | | | | | | |
| | Mar 2019 | ZATR | Future | 14,000 | 2.6559 | 2.6534 | 0.0000 | 0.0000 | 0 | 0.00 | |
| | | | | <u>14,000</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>409 239.00</u> |
| | | | | | | | | | | | <u>1 293 087 569.00</u> |

| DATE | CONTRACT | | OPEN INT | MTM | PREV MTM | HIGH | LOW | DAILY VOLUME | CUMULATIVE VOLUME | | |
|---------------|----------|-----------|----------------|----------|----------|---------|---------|------------------|-----------------------|----------------|----------------------|
| Total | | | 14,000 | | | | | 0.00 | 0.00 | 409 239.00 | 1 293 087 569.00 |
| Future | | | | | | | | | | | |
| Mar 2019 | ZAUM | Future | 434 | 14.6715 | 14.7105 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>434</u> | | | | | <u>0.00</u> | <u>0.00</u> | 155 260.00 | 180 082 430 910.00 |
| Total | | | 434 | | | | | 0.00 | 0.00 | 159 783.00 | 180 082 430 910.00 |
| Future | | | | | | | | | | | |
| Mar 2019 | ZAUS | Future | 485,434 | 14.6715 | 14.7105 | 14.7050 | 14.6100 | 17,253 | 253,122,531.30 | | |
| Jun 2019 | ZAUS | Future | 112,532 | 14.8341 | 14.8726 | 0.0000 | 0.0000 | 25 | 372,000.00 | | |
| Sep 2019 | ZAUS | Future | 14,250 | 15.0121 | 15.0502 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | Future | 9,900 | 15.1834 | 15.2206 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | Future | 4,566 | 15.3785 | 15.4154 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>626,682</u> | | | | | <u>17,278.00</u> | <u>253,494,531.30</u> | 193 306 431.00 | 2 328 132 246 867.50 |
| Option | | | | | | | | | | | |
| Mar 2019 | ZAUS | 10.33 Put | 1,000 | 0.3689 | 0.4725 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 11.74 Put | 1,000 | 5.2330 | 5.4013 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 12.47 Put | 721 | 15.2335 | 16.0397 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 12.51 Put | 720 | 16.1458 | 17.0101 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 12.80 Put | 8,132 | 24.5887 | 25.9741 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 12.90 Put | 16,000 | 28.4152 | 30.0247 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 12.92 Put | 139,342 | 29.2484 | 30.9057 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 13.00 Put | 15,434 | 32.8296 | 34.6874 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 13.05 Put | 1,155 | 35.2839 | 37.2750 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 13.12 Put | 138,000 | 39.0281 | 41.2148 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 13.15 Put | 10,125 | 40.7496 | 43.0241 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 13.25 Put | 225,407 | 49.0612 | 49.6293 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 13.33 Put | 135,043 | 58.4878 | 58.8850 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 13.36 Put | 134,750 | 62.3619 | 62.6893 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 13.46 Put | 20,000 | 76.7051 | 76.7489 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 13.50 Put | 2,550 | 83.0907 | 82.9972 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 13.55 Put | 10,000 | 91.6237 | 91.3364 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 13.60 Put | 6,570 | 100.7910 | 100.2872 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 13.62 Put | 6,432 | 104.6422 | 104.0421 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 13.68 Put | 14,200 | 116.8369 | 115.9303 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 13.70 Put | 2,500 | 121.1220 | 120.1061 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 13.72 Put | 10,000 | 125.5213 | 124.3883 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 13.75 Put | 17,981 | 132.3302 | 131.0191 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 13.79 Put | 262,812 | 141.8175 | 140.2504 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 13.82 Put | 1,800 | 149.2422 | 147.4706 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 13.85 Put | 1,000 | 156.9348 | 154.9531 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2019 | ZAUS | 13.86 Put | 721 | 159.5610 | 157.5051 | 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 | 13.90 Put | 720 | 170.3707 | 168.0110 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.00 Call | 100 | 872.8768 | 907.8497 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.00 Put | 35,606 | 201.3768 | 197.3497 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.04 Put | 7,100 | 214.7290 | 210.3765 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.20 Call | 2,000 | 745.1737 | 778.3947 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.25 Call | 750 | 715.4196 | 748.1583 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.28 Put | 7,028 | 306.4872 | 299.9260 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.30 Call | 250 | 686.5387 | 718.7762 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.30 Put | 3,000 | 315.0387 | 308.2762 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.35 Put | 139,342 | 337.0236 | 329.7472 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.44 Put | 7,000 | 378.7724 | 370.5331 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.45 Put | 1,000 | 383.5814 | 375.2356 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.46 Call | 6,332 | 599.9271 | 630.4689 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.48 Call | 1,000 | 589.7179 | 620.0388 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.50 Call | 224,707 | 579.6415 | 609.7397 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.50 Put | 10,050 | 408.1415 | 399.2397 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.53 Put | 108 | 423.2852 | 414.0461 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.56 Put | 138,000 | 438.7278 | 429.1476 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.65 Put | 10,000 | 486.8440 | 476.2188 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.74 Put | 24,326 | 539.1052 | 526.5483 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.80 Call | 2,000 | 446.8579 | 472.5555 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.81 Put | 135,043 | 581.5072 | 568.0804 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.82 Put | 4,145 | 587.6866 | 574.1356 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.83 Put | 10,010 | 593.8961 | 580.2179 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 14.84 Put | 134,750 | 600.1355 | 586.3330 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.00 Call | 1,260 | 375.4006 | 398.6179 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.04 Put | 63,500 | 730.9522 | 714.6806 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.10 Put | 1,000 | 772.3199 | 755.3186 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.12 Put | 99,824 | 786.3146 | 769.0728 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.13 Put | 7,100 | 793.3497 | 775.9880 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.17 Call | 720 | 323.2383 | 344.3997 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.19 Put | 41,300 | 836.0790 | 818.0038 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.20 Put | 2,500 | 843.2854 | 825.0923 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.22 Call | 2,785 | 309.2695 | 329.8414 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.25 Call | 1,500 | 301.1714 | 321.3932 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.32 Put | 262,812 | 931.5730 | 911.9872 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.40 Call | 2,000 | 263.6980 | 282.2139 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.45 Call | 20,000 | 252.2706 | 270.2304 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.46 Call | 108 | 250.0438 | 267.8950 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.50 Call | 224,757 | 241.3365 | 258.7481 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.52 Call | 1 | 237.0979 | 254.2922 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.54 Call | 721 | 232.9344 | 249.9157 | 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 | 15.66 Call | 139,342 | 209.4670 | 225.1939 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.81 Call | 10 | 183.4982 | 197.7594 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.83 Call | 135,043 | 180.2967 | 194.3697 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 15.89 Call | 4,145 | 171.0368 | 184.5592 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 16.00 Call | 1,906 | 155.3331 | 167.8896 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 16.13 Call | 138,000 | 138.5382 | 150.2074 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 16.18 Call | 1,800 | 132.3717 | 143.7662 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 16.30 Call | 10,000 | 118.6956 | 129.1935 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 16.38 Call | 134,750 | 110.3950 | 120.3310 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 16.58 Call | 10,000 | 92.1820 | 100.8259 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 16.60 Call | 50 | 90.5436 | 99.0662 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 16.96 Call | 12,600 | 65.7650 | 72.3723 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 16.97 Call | 63,500 | 65.1903 | 71.7505 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 17.02 Call | 262,812 | 62.3947 | 68.7247 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 17.08 Call | 7,028 | 59.2100 | 65.2753 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 17.09 Call | 99,824 | 58.6968 | 64.7187 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 17.10 Call | 2,500 | 58.1874 | 64.1673 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 17.23 Call | 41,300 | 51.9932 | 57.4436 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 17.30 Call | 10,125 | 48.9586 | 54.1425 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 17.50 Call | 16,000 | 41.3070 | 45.8036 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 18.00 Call | 14,200 | 23.0517 | 28.0573 | 0.0000 | 0.0000 | 0 | 0.00 |
| Mar 2019 | ZAUS | 18.40 Call | 7,100 | 13.6441 | 18.3574 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 10.69 Put | 1,000 | 4.7188 | 4.5062 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 12.28 Put | 1,000 | 27.9500 | 26.8937 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 12.75 Put | 1,000 | 63.7156 | 62.0581 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 12.98 Put | 911 | 90.9758 | 88.9781 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.00 Put | 165,703 | 93.7103 | 91.6828 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.24 Put | 30,000 | 131.6122 | 129.1905 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.83 Put | 25,000 | 278.8272 | 273.7752 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.88 Put | 5,035 | 295.0256 | 289.6715 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 13.98 Call | 1,000 | 1183.3064 | 1215.8224 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.00 Put | 143,900 | 336.3306 | 330.2119 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.07 Put | 39,589 | 362.0168 | 355.4316 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.20 Put | 13,600 | 415.4148 | 407.8697 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.42 Call | 30 | 930.8737 | 960.0811 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.58 Call | 1,000 | 852.0620 | 879.9491 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.63 Put | 8,203 | 624.5874 | 613.5511 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.65 Put | 1,000 | 635.3996 | 624.1958 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 14.82 Call | 30,000 | 745.0981 | 770.9569 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.10 Call | 1,500 | 637.1387 | 660.5922 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.32 Call | 1,980 | 563.3632 | 584.9686 | 0.0000 | 0.0000 | 0 | 0.00 |
| Jun 2019 | ZAUS | 15.50 Call | 143,900 | 509.5015 | 529.6389 | 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 | 15.62 Call | 5,035 | 476.6710 | 495.8707 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | ZAUS | 15.64 Call | 39,589 | 471.4901 | 490.5407 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | ZAUS | 15.80 Call | 1,000 | 432.1982 | 450.0802 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | ZAUS | 15.89 Call | 6,800 | 411.6809 | 428.9326 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | ZAUS | 15.92 Call | 911 | 405.0869 | 422.1298 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | ZAUS | 16.00 Call | 20 | 388.0641 | 404.5608 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | ZAUS | 16.09 Call | 6,800 | 369.8660 | 385.7708 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Jun 2019 | ZAUS | 17.96 Call | 8,203 | 138.4020 | 145.7969 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 10.75 Put | 1,000 | 9.9789 | 10.0962 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 12.50 Put | 1,000 | 54.8767 | 50.7963 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 13.25 Put | 3,900 | 191.6543 | 186.7898 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 13.91 Put | 81,930 | 395.3335 | 391.4402 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 13.97 Put | 800 | 417.3715 | 413.1895 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 14.09 Put | 33,715 | 463.6230 | 458.8374 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 14.21 Put | 2,700 | 512.7755 | 507.3444 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 14.33 Put | 33,151 | 567.1334 | 559.5433 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 15.38 Put | 5,000 | 1169.4551 | 1154.7647 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 15.56 Put | 2,571 | 1290.7920 | 1274.8903 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 15.87 Call | 1,000 | 652.9921 | 672.9581 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 17.23 Call | 800 | 377.9389 | 390.6688 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 17.64 Call | 5,000 | 322.4389 | 333.3665 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 17.85 Call | 2,700 | 297.8501 | 307.9451 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 17.93 Call | 2,571 | 289.0941 | 298.8865 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 18.29 Call | 81,930 | 259.2610 | 266.7811 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 18.47 Call | 1,200 | 246.8084 | 253.7800 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 18.63 Call | 33,715 | 236.5816 | 243.0950 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Sep 2019 | ZAUS | 19.32 Call | 33,151 | 200.0915 | 204.9298 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | 11.89 Put | 1,000 | 31.2332 | 32.9066 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | 13.66 Put | 1,000 | 370.7871 | 369.6570 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | 14.07 Put | 1,351 | 523.2448 | 519.8371 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | 16.85 Call | 1,351 | 623.9348 | 640.3107 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | 17.38 Call | 1,000 | 524.9868 | 539.0994 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Dec 2019 | ZAUS | 20.00 Call | 2,000 | 265.2143 | 271.5645 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 11.91 Put | 1,000 | 58.1067 | 59.1351 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 14.01 Put | 1,000 | 558.7248 | 555.3359 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| Mar 2020 | ZAUS | 17.73 Call | 1,000 | 659.1983 | 674.1039 | 0.0000 | 0.0000 | 0 | 0.00 | | |
| | | | <u>4,953,930</u> | | | | | <u>0.00</u> | <u>0.00</u> | <u>63 901 224.00</u> | <u>0.00</u> |
| | Total | | 5,580,612 | | | | | 17,278.00 | 253,494,531.30 | 257 207 655.00 | 2 328 132 246 867.50 |

| <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 | | 6,860,217 | | | | | 17,311.00 | 254 056 925.60 | 351,652,538 | 3,234,524,167,097.83 |
|-------------|--|-----------|--|--|--|--|-----------|----------------|-------------|----------------------|