

2018 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

20 South Wacker Drive, Chicago, Illinois 60606-7499.

Customer Service: (312) 930-1000



PRELIMINARY

PG47 BULLETIN #223@

E-MINI S&P 500 CALL OPTIONS

Fri, Nov 16, 2018 PG47

INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT BOTH CME AND REGULAR TRADING HOURS SESSIONS. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = \$12.50 PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

E-MINI S&P CONTRACTS LAST TRADE DATES

Table with columns for EXPIRATION, NOV18, DEC18, JAN19, FEB19, MAR19, APR19, JUN19, SEP19. Rows include EMINI S&P FUT, EOM EMINI S&P OPT, EOW1 EMINI S&P OPT, EOW2 EMINI S&P OPT, EOW4 EMINI S&P OPT, BTC FUT, EI FUT, ENY FUT, EOW3 MINI S&P OPT, FT1 FUT, FT5 FUT, FTU FUT, RS1 FUT, RSG FUT, RSV FUT, SDA FUT, SDI FUT, TPY FUT, TRI FUT.

E-MINI S&P OPTIONS ON FUTURES

Table with columns for NOV18, DEC18, JAN19, FEB19, MAR19, APR19, JUN19, SEP19. Rows include EW, EW1, EW2, EW4, EZ.

Table with columns for NOV18, DEC18, JAN19, FEB19. Rows include E3A, E3C, E4A, E4C, EW3, R1E, R2E, R3E, R4E, RTM.

E-MINI S&P FUTURES

Table with columns: OPEN RANGE, HIGH, LOW, CLOSING RANGE, SETT. PRICE & PT. CHGE, RTH VOLUME, GLOBEX VOLUME, OPEN INTEREST, --CONTRACT-- HIGH, LOW. Rows include EMINI S&P FUT, DEC18, MAR19, JUN19, SEP19, DEC19, TOTAL.

E-MINI S&P 500 FIXING PRICE (ESF): Mar19 2737.31

WK EW-W1 E-MINI S&P CALLS

Table with columns: STRIKE, OPEN RANGE, HIGH, LOW, CLOSING RANGE, SETT. PRICE & PT. CHGE, DELTA, EXER CISES, VOLUME TRADES CLEARED, OPEN INTEREST, --CONTRACT-- HIGH, LOW. Rows include EOW1 MINI S&P C, DEC18, 2485, 2560, 2600, 2610, 2615, 2625, 2630, 2635, 2640, 2645, 2650, 2655, 2660, 2665, 2670, 2675, 2680, 2685, 2690, 2695, 2700, 2705, 2710, 2715, 2720, 2725, 2730, 2735, 2740, 2745, 2750, 2755, 2760, 2765, 2770, 2775, 2780, 2785, 2790, 2795, 2800, 2805, 2810, 2815, 2820, 2825, 2830, 2835, 2840, 2845.

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PG47 BULLETIN #223@ E-MINI S&P 500 CALL OPTIONS Fri, Nov 16, 2018 PG47

Table with columns for contract numbers (e.g., 2850, 2855, 2860) and their corresponding bid/ask prices and volumes. Includes a 'TOTAL' row at the bottom.

WK EW-W2 E-MINI S&P CALLS

Summary table for E-MINI S&P CALLS. Columns include: STRIKE, OPEN, RANGE, HIGH, LOW, CLOSING, RANGE, SETT. PRICE & PT. CHGE., DELTA, EXER CISES, VOLUME TRADES CLEARED, OPEN INTEREST, and --CONTRACT-- HIGH/LOW.

WK EW-W4 E-MINI S&P CALLS

Summary table for E-MINI S&P CALLS (W4). Columns include: STRIKE, OPEN, RANGE, HIGH, LOW, CLOSING, RANGE, SETT. PRICE & PT. CHGE., DELTA, EXER CISES, VOLUME TRADES CLEARED, OPEN INTEREST, and --CONTRACT-- HIGH/LOW.

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E-MINI S&P 500 CALL OPTIONS

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PRELIMINARY

PG47 BULLETIN #223@ E-MINI S&P 500 CALL OPTIONS Fri, Nov 16, 2018 PG47

Table with columns for contract details (symbol, price, quantity, etc.) and settlement information. Includes a 'TOTAL' row at the bottom of the main section.

Table for 'DEC18 EOW4 MINI S&P C' showing futures settlement prices and call option details for various strike prices.

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PRELIMINARY

Table with columns: PG47, BULLETIN #223@, E-MINI S&P 500 CALL OPTIONS, Fri, Nov 16, 2018, PG47. Contains multiple columns of numerical data representing call option prices and volumes.

E-MINI S&P CALLS

Main table with columns: STRIKE, OPEN, RANGE, HIGH, LOW, CLOSING, RANGE, SETT. PRICE & PT. CHGE., DELTA, EXER CISES, VOLUME TRADES CLEARED, OPEN INTEREST, --CONTRACT-- HIGH, LOW. Contains detailed call option data for various strikes.

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PRELIMINARY

PG47 BULLETIN #223@ E-MINI S&P 500 CALL OPTIONS Fri, Nov 16, 2018 PG47

Table with columns for price, bid, ask, volume, and other market data for E-MINI S&P 500 CALL OPTIONS. Includes rows for various strike prices and volumes.

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.



PRELIMINARY

PG47 BULLETIN #223@ E-MINI S&P 500 CALL OPTIONS Fri, Nov 16, 2018 PG47

Table with columns for price, bid, ask, volume, and contract details. Includes rows for 3800-3850 and MAR19 EMINI S&P CALL options.

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.

E-MINI S&P 500 CALL OPTIONS

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PRELIMINARY

PG47 BULLETIN #223@

E-MINI S&P 500 CALL OPTIONS

Fri, Nov 16, 2018 PG47

| | | | | | | | | | | | | | | |
|------|-------|--------|--------|------|--------|------|------|------|------|------|--------|---------|---------|--------|
| 2905 | ---- | 31.25B | 25.25A | ---- | 28.90- | 70 | .241 | ---- | ---- | 294 | UNCH | 124.25B | 18.50A | |
| 2910 | 28.00 | 29.50B | 24.00A | ---- | 27.40- | 80 | .233 | ---- | 41 | 781 | - | 6 | 124.25B | 17.75A |
| 2915 | 26.00 | 28.00B | 22.75A | ---- | 26.00- | 70 | .224 | ---- | 10 | 219 | + | 10 | 117.50B | 17.00A |
| 2920 | 23.75 | 26.50B | 21.50A | ---- | 24.60- | 80 | .216 | ---- | 22 | 507 | - | 5 | 117.25B | 16.00A |
| 2925 | 22.75 | 25.25B | 20.50A | ---- | 23.30- | 80 | .208 | ---- | 300 | 1888 | - | 96 | 113.75B | 15.25A |
| 2930 | 21.00 | 23.75B | 19.25A | ---- | 22.10- | 80 | .200 | ---- | 14 | 432 | UNCH | 110.50B | 14.25A | |
| 2935 | 20.50 | 22.50B | 18.25A | ---- | 20.90- | 80 | .192 | ---- | 54 | 796 | - | 7 | 104.00B | 13.50A |
| 2940 | 19.25 | 21.25B | 17.25A | ---- | 19.80- | 80 | .184 | ---- | 41 | 430 | + | 15 | 104.00B | 12.75A |
| 2945 | 18.50 | 20.25B | 16.50A | ---- | 18.70- | 70 | .177 | ---- | 80 | 351 | + | 67 | 97.50B | 12.25A |
| 2950 | 16.50 | 19.00B | 15.50A | ---- | 17.60- | 80 | .169 | ---- | 61 | 3434 | UNCH | 97.50 | 11.50 | |
| 2955 | ---- | 18.00B | 14.75A | ---- | 16.60- | 80 | .162 | ---- | ---- | 153 | UNCH | 91.25B | 10.75A | |
| 2960 | 15.50 | 17.00B | 14.00A | ---- | 15.70- | 70 | .155 | ---- | 80 | 719 | UNCH | 91.25B | 10.25 | |
| 2965 | ---- | 16.00B | 13.25A | ---- | 14.80- | 70 | .148 | ---- | ---- | 689 | UNCH | 85.00B | 9.75A | |
| 2970 | ---- | 15.00B | 12.50A | ---- | 13.90- | 70 | .142 | ---- | ---- | 1893 | UNCH | 85.25B | 9.25A | |
| 2975 | 12.25 | 14.25B | 11.75A | ---- | 13.10- | 70 | .135 | ---- | 31 | 799 | - | 20 | 82.25B | 8.75A |
| 2980 | ---- | 13.25B | 11.00A | ---- | 12.30- | 70 | .129 | ---- | ---- | 732 | UNCH | 79.25B | 8.25A | |
| 2985 | 11.50 | 12.50B | 10.50A | ---- | 11.60- | 70 | .123 | ---- | 80 | 340 | + | 68 | 73.50B | 7.75A |
| 2990 | 11.00 | 11.75B | 10.00A | ---- | 11.00- | 60 | .118 | ---- | 59 | 797 | + | 59 | 73.50B | 7.50A |
| 2995 | 10.50 | 11.25B | 9.50A | ---- | 10.30- | 60 | .112 | ---- | 55 | 527 | + | 28 | 67.75B | 7.00A |
| 3000 | 10.25 | 10.50B | 9.00 | ---- | 9.70- | 60 | .107 | ---- | 319 | 7251 | + | 160 | 68.00B | 6.50 |
| 3005 | 9.25 | 9.75B | 8.50A | ---- | 9.20- | 50 | .102 | ---- | 16 | 434 | - | 16 | 62.50B | 6.25A |
| 3010 | ---- | ---- | 8.00A | ---- | 8.60- | 60 | .097 | ---- | ---- | 590 | UNCH | 62.75B | 6.00A | |
| 3015 | ---- | ---- | 7.50A | ---- | 8.10- | 60 | .092 | ---- | ---- | 167 | UNCH | 57.50B | 5.75A | |
| 3020 | 7.50 | 7.50 | 7.25A | ---- | 7.60- | 60 | .087 | ---- | 17 | 397 | UNCH | 57.75B | 5.50A | |
| 3025 | ---- | ---- | 6.75A | ---- | 7.10- | 60 | .083 | ---- | ---- | 1271 | UNCH | 55.25B | 5.25A | |
| 3030 | 6.50 | 7.25B | 6.50 | ---- | 6.70- | 60 | .079 | ---- | 7 | 425 | - | 7 | 53.00B | 4.90A |
| 3035 | ---- | ---- | 6.00A | ---- | 6.30- | 60 | .075 | ---- | ---- | 327 | UNCH | 48.00B | 4.70A | |
| 3040 | ---- | ---- | 5.75A | ---- | 6.00- | 50 | .072 | ---- | ---- | 775 | UNCH | 48.50B | 4.50A | |
| 3045 | ---- | ---- | 5.50A | ---- | 5.70- | 40 | .068 | ---- | ---- | 474 | UNCH | 43.75B | 4.25A | |
| 3050 | 5.00 | 5.75B | 5.00 | ---- | 5.40- | 40 | .065 | ---- | 3 | 6710 | + | 2 | 44.75B | 4.10A |
| 3055 | ---- | ---- | 4.85A | ---- | 5.10- | 40 | .062 | ---- | ---- | 132 | UNCH | 39.50B | 3.90A | |
| 3060 | 5.25 | 5.25 | 4.60A | ---- | 4.80- | 40 | .059 | ---- | 1 | 321 | + | 1 | 41.00B | 3.70A |
| 3065 | 5.00 | 5.00 | 4.40A | ---- | 4.55- | 35 | .056 | ---- | 12 | 311 | + | 6 | 35.75B | 3.55A |
| 3070 | 4.55 | 4.60B | 4.15A | ---- | 4.30- | 35 | .054 | ---- | 16 | 604 | UNCH | 37.75B | 3.40A | |
| 3075 | 4.35 | 4.35 | 3.95A | ---- | 4.05- | 35 | .051 | ---- | 35 | 282 | - | 11 | 36.00B | 3.25A |
| 3080 | ---- | ---- | 3.75A | ---- | 3.85- | 35 | .049 | ---- | ---- | 479 | UNCH | 34.50B | 3.15A | |
| 3085 | 3.90 | 3.90 | 3.60A | ---- | 3.65- | 35 | .046 | ---- | 12 | 69 | - | 12 | 29.00B | 3.05A |
| 3090 | 3.65 | 3.75B | 3.40A | ---- | 3.45- | 35 | .044 | ---- | 29 | 1072 | - | 29 | 31.50B | 2.90A |
| 3095 | 3.45 | 3.55B | 3.25A | ---- | 3.30- | 35 | .042 | ---- | 149 | 149 | - | 16 | 26.00B | 2.80A |
| 3100 | ---- | ---- | 3.10A | ---- | 3.15- | 35 | .040 | ---- | 16 | 2070 | UNCH | 28.75 | 2.70A | |
| 3105 | ---- | ---- | 2.95A | ---- | 3.00- | 35 | .039 | ---- | ---- | 319 | UNCH | 23.00B | 2.60A | |
| 3110 | ---- | ---- | 2.85A | ---- | 2.85- | 35 | .037 | ---- | ---- | 598 | UNCH | 26.25B | 2.50A | |
| 3115 | ---- | ---- | 2.75A | ---- | 2.75- | 35 | .036 | ---- | ---- | 122 | UNCH | 20.50B | 2.55 | |
| 3120 | ---- | ---- | 2.60A | ---- | 2.60- | 35 | .034 | ---- | ---- | 922 | UNCH | 24.00B | 2.35A | |
| 3125 | ---- | ---- | 2.50A | ---- | 2.50- | 35 | .033 | ---- | 1158 | UNCH | 23.00B | 2.25A | | |
| 3130 | ---- | ---- | 2.40A | ---- | 2.40- | 35 | .031 | ---- | 335 | UNCH | 22.00B | 2.30 | | |
| 3135 | ---- | ---- | 2.30A | ---- | 2.30- | 30 | .030 | ---- | 214 | UNCH | 16.25B | 2.10A | | |
| 3140 | ---- | ---- | 2.25A | ---- | 2.20- | 30 | .029 | ---- | 1629 | UNCH | 20.00B | 1.90 | | |
| 3145 | ---- | ---- | 2.15A | ---- | 2.15- | 25 | .028 | ---- | 39 | UNCH | 14.50B | 2.10A | | |
| 3150 | ---- | ---- | 2.05A | ---- | 2.05- | 25 | .027 | ---- | 2115 | UNCH | 18.25B | 2.05A | | |
| 3155 | ---- | ---- | 2.00A | ---- | 1.95- | 30 | .026 | ---- | 519 | UNCH | 13.00B | 2.00A | | |
| 3160 | ---- | ---- | 1.95A | ---- | 1.90- | 25 | .025 | ---- | 558 | UNCH | 17.75B | 1.90A | | |
| 3165 | ---- | ---- | 1.85A | ---- | 1.85- | 25 | .024 | ---- | 850 | UNCH | 11.50B | 1.65 | | |
| 3170 | ---- | ---- | 1.80A | ---- | 1.75- | 25 | .023 | ---- | 442 | UNCH | 16.50B | 1.70A | | |
| 3175 | ---- | ---- | 1.75A | ---- | 1.70- | 25 | .022 | ---- | 983 | UNCH | 16.00B | 1.55 | | |
| 3180 | ---- | ---- | 1.70A | ---- | 1.65- | 25 | .022 | ---- | 363 | UNCH | 13.75B | 1.60A | | |
| 3185 | ---- | ---- | 1.65A | ---- | 1.60- | 25 | .021 | ---- | 241 | UNCH | 9.00B | 1.45 | | |
| 3190 | ---- | ---- | 1.60A | ---- | 1.55- | 25 | .020 | ---- | 242 | UNCH | 12.50B | 1.50A | | |
| 3195 | ---- | ---- | 1.55A | ---- | 1.50- | 25 | .019 | ---- | 56 | UNCH | 8.00B | 1.45A | | |
| 3200 | ---- | ---- | 1.50A | ---- | 1.45- | 20 | .019 | ---- | 2336 | UNCH | 11.50B | 1.40 | | |
| 3205 | ---- | ---- | 1.45A | ---- | 1.40- | 20 | .018 | ---- | 32 | UNCH | 7.25B | 1.30 | | |
| 3210 | ---- | ---- | 1.40A | ---- | 1.35- | 20 | .018 | ---- | 1198 | UNCH | 10.50B | 1.30 | | |
| 3215 | ---- | ---- | 1.35A | ---- | 1.30- | 20 | .017 | ---- | 86 | UNCH | 6.50B | 1.30 | | |
| 3220 | ---- | ---- | 1.35A | ---- | 1.25- | 20 | .016 | ---- | 383 | UNCH | 9.75B | 1.20 | | |
| 3225 | ---- | ---- | 1.30A | ---- | 1.25- | 15 | .016 | ---- | 361 | UNCH | 9.25B | 1.30A | | |
| 3230 | ---- | ---- | 1.25A | ---- | 1.20- | 15 | .015 | ---- | 198 | UNCH | 8.75B | 1.15 | | |
| 3235 | ---- | ---- | 1.20A | ---- | 1.15- | 15 | .015 | ---- | 33 | UNCH | 5.50B | 1.10 | | |
| 3240 | ---- | ---- | 1.20A | ---- | 1.10- | 20 | .014 | ---- | 1457 | UNCH | 8.25B | 1.15 | | |
| 3250 | ---- | ---- | 1.10A | ---- | 1.05- | 15 | .013 | ---- | 655 | UNCH | 7.50B | 1.05 | | |
| 3260 | ---- | ---- | 1.05A | ---- | 1.00- | 15 | .013 | ---- | 41 | UNCH | 7.00B | 1.00 | | |
| 3270 | ---- | ---- | 1.00A | ---- | .90- | 15 | .012 | ---- | 189 | UNCH | 6.50B | .95 | | |
| 3275 | ---- | ---- | .95A | ---- | .90- | 15 | .011 | ---- | 172 | UNCH | 6.25B | .95A | | |
| 3280 | ---- | ---- | .95A | ---- | .85- | 15 | .011 | ---- | 44 | UNCH | 6.00B | .90A | | |
| 3290 | ---- | ---- | .90A | ---- | .80- | 15 | .010 | ---- | 141 | UNCH | 5.50B | .85A | | |
| 3300 | ---- | ---- | .85A | ---- | .75- | 15 | .009 | ---- | 772 | UNCH | 5.25B | .80A | | |
| 3310 | ---- | ---- | .80A | ---- | .70- | 15 | .009 | ---- | 279 | UNCH | 4.90B | .75A | | |
| 3320 | ---- | ---- | .75A | ---- | .65- | 15 | .008 | ---- | 183 | UNCH | 4.60B | .70A | | |
| 3325 | ---- | ---- | .75A | ---- | .65- | 15 | .008 | ---- | 216 | UNCH | 4.45B | .70A | | |
| 3330 | ---- | ---- | .70A | ---- | .65- | 15 | .008 | ---- | 353 | UNCH | 4.30B | .70A | | |
| 3340 | ---- | ---- | .70A | ---- | .60- | 15 | .007 | ---- | 183 | UNCH | 4.05B | .65A | | |
| 3350 | ---- | ---- | .65A | ---- | .55- | 15 | .007 | ---- | 218 | UNCH | 3.80B | .60A | | |
| 3360 | ---- | ---- | .55A | ---- | .55- | 10 | .007 | ---- | 50 | UNCH | 3.65B | .60A | | |
| 3370 | ---- | ---- | .60A | ---- | .50- | 15 | .006 | ---- | 133 | UNCH | 3.45B | .55A | | |
| 3375 | ---- | ---- | .50A | ---- | .50- | 10 | .006 | ---- | 121 | UNCH | 3.35B | .55A | | |
| 3380 | ---- | ---- | .55A | ---- | .50- | 10 | .006 | ---- | 215 | UNCH | 3.25B | .55A | | |
| 3390 | ---- | ---- | .45A | ---- | .45- | 10 | .005 | ---- | 121 | UNCH | 3.10B | .50 | | |
| 3400 | ---- | ---- | .45A | ---- | .45- | 5 | .005 | ---- | 460 | UNCH | 2.95B | .50A | | |
| 3410 | ---- | ---- | .45A | ---- | .45- | 5 | .005 | ---- | 395 | UNCH | 2.75B | .40 | | |
| 3420 | ---- | ---- | .40A | ---- | .40- | 5 | .005 | ---- | 311 | UNCH | 2.65B | .35 | | |
| 3425 | ---- | ---- | .40A | ---- | .40- | 5 | .005 | ---- | 1118 | UNCH | 2.60B | .40 | | |
| 3430 | ---- | ---- | .40A | ---- | .40- | 5 | .005 | ---- | 137 | UNCH | 2.50B | .35 | | |
| 3440 | ---- | ---- | .40 | UNCH | .40 | UNCH | .005 | ---- | 5 | UNCH | 2.40B | .30 | | |
| 3450 | ---- | ---- | .35 | UNCH | .35 | UNCH | .004 | ---- | 107 | UNCH | 2.30B | .40A | | |
| 3460 | ---- | ---- | .35 | UNCH | .35 | UNCH | .004 | ---- | 296 | UNCH | 2.20B | .35A | | |
| 3470 | ---- | ---- | .35 | UNCH | .35 | UNCH | .004 | ---- | 143 | UNCH | 1.50 | .30 | | |
| 3475 | ---- | ---- | .35 | UNCH | .35 | UNCH | .004 | ---- | 113 | UNCH | 2.10B | .35A | | |
| 3490 | ---- | ---- | .30 | UNCH | .30 | UNCH | .003 | ---- | 2 | UNCH | 1.25B | .35 | | |
| 3500 | ---- | ---- | .30 | UNCH | .30 | UNCH | .003 | ---- | 16 | UNCH | 1.85B | .30A | | |
| 3550 | ---- | ---- | .25+ | 5 | .003 | 5 | .003 | ---- | 52 | UNCH | 1.50B | .25A | | |
| 3575 | ---- | ---- | .25+ | 10 | .003 | 10 | .003 | ---- | 141 | UNCH | 1.35B | .25A | | |
| 3600 | ---- | ---- | .20+ | 5 | .002 | 5 | .002 | ---- | 10 | UNCH | 1.20B | .25A | | |
| 3625 | ---- | ---- | .20+ | 10 | .002 | 10 | .002 | ---- | 96 | UNCH | 1.05B | .20A | | |
| 3650 | ---- | ---- | .20+ | 10 | .002 | 10 | .002 | ---- | 16 | UNCH | .90B | .20A | | |
| 3675 | ---- | ---- | .20+ | 10 | .002 | 10 | .002 | ---- | 375 | UNCH | .80B | .20A | | |
| 3700 | ---- | ---- | .15+ | 10 | .001 | 10 | .001 | ---- | 50 | UNCH | .85 | .10 | | |
| 3725 | ---- | ---- | .15+ | 10 | .001 | 10 | .001 | ---- | 154 | UNCH | .75 | .15A | | |
| 3750 | ---- | ---- | .15+ | 10 | .001 | 10 | .001 | ---- | 151 | UNCH | .70 | .25A | | |
| 3775 | ---- | ---- | .15+ | 10 | .001 | 10 | .001 | ---- | 3 | UNCH | .55B | .05 | | |
| 3875 | ---- | ---- | .10+ | 10 | .001 | 10 | .001 | ---- | 1 | UNCH | .40B | . | | |



PRELIMINARY

| PG47 | BULLETIN #223@ | E-MINI S&P 500 CALL OPTIONS | | | | | | | | | | Fri, Nov 16, 2018 | PG47 | |
|------|----------------|-----------------------------|---------|------|---------|------|------|------|------|------|------|-------------------|---------|---------|
| 2320 | ---- | 477.00B | 452.50A | ---- | 475.40+ | 510 | .851 | ---- | ---- | 3 | UNCH | 661.50B | 392.25A | |
| 2325 | ---- | 472.75B | 448.25A | ---- | 471.00+ | 500 | .849 | ---- | ---- | 2 | UNCH | 656.75B | 388.50A | |
| 2330 | ---- | 468.50B | 444.00A | ---- | 466.70+ | 500 | .847 | ---- | ---- | 3 | UNCH | 652.00B | 384.25A | |
| 2340 | ---- | 459.75B | 435.50A | ---- | 457.90+ | 480 | .842 | ---- | ---- | 5 | UNCH | 642.75B | 376.25A | |
| 2350 | ---- | 451.00B | 427.00A | ---- | 449.30+ | 470 | .838 | ---- | ---- | 301 | UNCH | 633.50B | 368.25A | |
| 2360 | ---- | 442.50B | 418.50A | ---- | 440.60+ | 450 | .833 | ---- | ---- | 101 | UNCH | 624.25B | 360.25A | |
| 2370 | ---- | 434.00B | 410.00A | ---- | 432.00+ | 440 | .829 | ---- | ---- | 2 | UNCH | 615.00B | 352.25A | |
| 2375 | ---- | 429.75B | 406.00A | ---- | 427.80+ | 440 | .826 | ---- | ---- | 3 | UNCH | 610.50B | 348.25A | |
| 2380 | ---- | 425.50B | 401.75A | ---- | 423.50+ | 440 | .824 | ---- | ---- | 43 | UNCH | 605.75B | 344.50A | |
| 2390 | ---- | 417.00B | 393.50A | ---- | 415.00+ | 430 | .819 | ---- | ---- | 1 | UNCH | 596.50B | 336.50A | |
| 2400 | ---- | 408.50B | 385.25A | ---- | 406.50+ | 420 | .814 | ---- | ---- | 253 | UNCH | 587.25B | 328.75A | |
| 2410 | ---- | 400.00B | 377.00A | ---- | 398.10+ | 420 | .809 | ---- | ---- | 6 | UNCH | 578.25B | 321.00A | |
| 2420 | ---- | 391.75B | 368.75A | ---- | 389.70+ | 410 | .804 | ---- | ---- | 4 | UNCH | 569.00B | 313.00A | |
| 2425 | ---- | 387.50B | 364.75A | ---- | 385.50+ | 410 | .801 | ---- | ---- | 116 | UNCH | 564.50B | 309.25A | |
| 2430 | ---- | 383.50B | 360.50A | ---- | 381.40+ | 410 | .798 | ---- | ---- | 11 | UNCH | 559.75B | 305.50A | |
| 2440 | ---- | 375.00B | 352.50A | ---- | 373.00+ | 390 | .792 | ---- | ---- | 5 | UNCH | 550.75B | 298.00A | |
| 2450 | ---- | 366.75B | 344.50A | ---- | 364.70+ | 380 | .787 | ---- | ---- | 775 | UNCH | 541.75B | 290.25A | |
| 2460 | ---- | 358.75B | 336.50A | ---- | 356.50+ | 380 | .781 | ---- | ---- | 51 | UNCH | 532.50B | 282.75A | |
| 2475 | ---- | 346.50B | 324.50A | ---- | 344.20+ | 360 | .772 | ---- | ---- | 11 | UNCH | 519.00B | 271.75A | |
| 2480 | ---- | 342.25B | 320.50A | ---- | 340.10+ | 350 | .769 | ---- | ---- | 5 | UNCH | 514.50B | 268.00A | |
| 2490 | ---- | 334.25B | 312.75A | ---- | 332.00+ | 340 | .762 | ---- | ---- | 1 | UNCH | 505.50B | 260.75A | |
| 2500 | ---- | 326.25B | 305.00A | ---- | 324.00+ | 340 | .756 | ---- | ---- | 109 | UNCH | 496.50B | 253.50A | |
| 2510 | ---- | 318.25B | 297.25A | ---- | 315.90+ | 320 | .749 | ---- | ---- | 4 | UNCH | 487.75B | 246.25A | |
| 2520 | ---- | 310.50B | 289.50A | ---- | 308.00+ | 310 | .743 | ---- | ---- | 1 | UNCH | 478.75B | 239.00A | |
| 2525 | ---- | 306.50B | 285.50A | ---- | 304.00+ | 300 | .739 | ---- | ---- | 1 | UNCH | 474.25B | 235.50A | |
| 2530 | ---- | 302.50B | 281.75A | ---- | 300.10+ | 300 | .736 | ---- | ---- | 21 | UNCH | 469.75B | 232.00A | |
| 2540 | ---- | 294.75B | 274.25A | ---- | 292.30+ | 300 | .728 | ---- | ---- | 2 | UNCH | 461.00B | 225.00A | |
| 2550 | ---- | 287.00B | 266.75A | ---- | 284.50+ | 290 | .721 | ---- | ---- | 14 | UNCH | 452.25B | 218.25A | |
| 2560 | ---- | 279.25B | 259.25A | ---- | 276.80+ | 280 | .714 | ---- | ---- | 2 | UNCH | 443.25B | 211.50A | |
| 2570 | ---- | 271.75B | 252.00A | ---- | 269.10+ | 260 | .706 | ---- | ---- | 16 | UNCH | 434.50B | 204.75A | |
| 2575 | ---- | 268.00B | 248.25A | ---- | 265.30+ | 260 | .702 | ---- | ---- | 3 | UNCH | 430.25B | 201.25A | |
| 2580 | ---- | 264.25B | 244.50A | ---- | 261.50+ | 250 | .698 | ---- | ---- | 19 | UNCH | 425.75B | 198.00A | |
| 2590 | ---- | 256.75B | 237.25A | ---- | 254.00+ | 240 | .690 | ---- | ---- | 22 | UNCH | 417.25B | 191.50A | |
| 2600 | ---- | 249.25B | 229.00A | ---- | 246.50+ | 230 | .682 | ---- | ---- | 459 | UNCH | 408.50B | 185.00A | |
| 2610 | ---- | 241.75B | 222.00A | ---- | 239.10+ | 210 | .673 | ---- | ---- | 624 | UNCH | 400.00B | 178.50A | |
| 2620 | ---- | 234.50B | 215.00A | ---- | 231.80+ | 210 | .665 | ---- | ---- | 46 | UNCH | 391.25B | 172.25A | |
| 2625 | ---- | 231.00B | 211.50A | ---- | 228.20+ | 200 | .660 | ---- | ---- | 32 | UNCH | 387.00B | 169.00A | |
| 2630 | ---- | 227.25B | 207.75A | ---- | 224.60+ | 200 | .656 | ---- | ---- | 50 | UNCH | 382.75B | 166.00A | |
| 2640 | ---- | 220.00B | 201.00A | ---- | 217.40+ | 200 | .647 | ---- | ---- | 2 | UNCH | 374.25B | 159.75A | |
| 2650 | ---- | 213.00B | 194.25A | ---- | 210.30+ | 180 | .638 | ---- | ---- | 1007 | UNCH | 365.75B | 153.75A | |
| 2660 | ---- | 206.00B | 187.50A | ---- | 203.30+ | 180 | .628 | ---- | ---- | 24 | UNCH | 357.25B | 147.75A | |
| 2670 | ---- | 199.00B | 181.00A | ---- | 196.40+ | 170 | .618 | ---- | ---- | 2 | UNCH | 348.75B | 142.00A | |
| 2675 | ---- | 195.75B | 177.50A | ---- | 193.00+ | 180 | .614 | ---- | 40 | 164 | - | 30 | 344.75B | 139.00A |
| 2680 | ---- | 185.50B | 168.00A | ---- | 182.80+ | 170 | .598 | ---- | ---- | 126 | UNCH | 332.25B | 130.50A | |
| 2700 | ---- | 178.75B | 161.50A | ---- | 176.10+ | 160 | .588 | ---- | 123 | 1260 | + | 123 | 324.00B | 119.00 |
| 2710 | ---- | 172.00B | 155.25A | ---- | 169.50+ | 160 | .578 | ---- | ---- | 107 | UNCH | 317.75B | 119.50A | |
| 2720 | ---- | 165.50B | 149.00A | ---- | 163.00+ | 160 | .567 | ---- | ---- | 309 | UNCH | 307.50B | 114.25A | |
| 2725 | ---- | 162.25B | 146.00A | ---- | 159.70+ | 150 | .561 | ---- | 105 | 1023 | + | 86 | 303.50B | 111.75A |
| 2730 | ---- | 159.00B | 143.25A | ---- | 156.50+ | 140 | .556 | ---- | 1 | 173 | + | 1 | 299.25B | 109.00A |
| 2740 | ---- | 152.75B | 136.75A | ---- | 150.10+ | 130 | .545 | ---- | 196 | 485 | + | 24 | 291.25B | 104.00A |
| 2750 | ---- | 146.50B | 131.00A | ---- | 143.80+ | 120 | .533 | ---- | 2 | 1573 | + | 2 | 283.25B | 99.00A |
| 2760 | ---- | 140.25B | 125.25A | ---- | 137.60+ | 110 | .522 | ---- | ---- | 380 | UNCH | 275.25B | 94.25A | |
| 2770 | ---- | 134.25B | 119.75A | ---- | 131.50+ | 100 | .510 | ---- | ---- | 382 | UNCH | 267.25B | 89.50A | |
| 2775 | ---- | 131.25B | 116.75A | ---- | 128.50+ | 90 | .504 | ---- | 2 | 361 | UNCH | 263.25B | 87.25A | |
| 2780 | ---- | 128.25B | 114.00A | ---- | 125.50+ | 90 | .498 | ---- | ---- | 492 | UNCH | 259.75B | 85.00A | |
| 2790 | ---- | 123.00B | 108.50A | ---- | 119.70+ | 80 | .485 | ---- | ---- | 571 | UNCH | 251.75B | 76.00 | |
| 2800 | ---- | 117.25B | 103.50A | ---- | 114.00+ | 70 | .473 | ---- | ---- | 1310 | UNCH | 244.00B | 72.00 | |
| 2810 | ---- | 111.75B | 98.00A | ---- | 108.50+ | 70 | .460 | ---- | ---- | 807 | UNCH | 236.25B | 68.00 | |
| 2820 | ---- | 106.25B | 93.25A | ---- | 103.10+ | 70 | .447 | ---- | ---- | 752 | UNCH | 228.75B | 64.00 | |
| 2825 | ---- | 103.50B | 90.50A | ---- | 100.40+ | 60 | .441 | ---- | ---- | 1047 | UNCH | 225.00B | 66.00A | |
| 2830 | ---- | 100.75B | 88.00A | ---- | 97.80+ | 60 | .435 | ---- | ---- | 306 | UNCH | 221.25B | 64.25A | |
| 2840 | ---- | 95.50B | 83.25A | ---- | 92.70+ | 60 | .421 | ---- | ---- | 1099 | UNCH | 213.75B | 56.75 | |
| 2850 | 87.50 | 90.50B | 78.75A | ---- | 87.70+ | 50 | .408 | ---- | 751 | 2669 | + | 239 | 206.25B | 53.25 |
| 2860 | ---- | 85.50B | 74.25A | ---- | 82.80+ | 50 | .395 | ---- | ---- | 192 | UNCH | 198.75B | 50.00 | |
| 2870 | ---- | 80.75B | 70.00A | ---- | 78.10+ | 40 | .381 | ---- | ---- | 236 | UNCH | 191.50B | 47.00 | |
| 2875 | ---- | 78.25B | 67.75A | ---- | 75.80+ | 40 | .375 | ---- | ---- | 1711 | UNCH | 188.00B | 45.50 | |
| 2880 | ---- | 76.00B | 65.75A | ---- | 73.50+ | 30 | .368 | ---- | 700 | 740 | + | 145 | 184.50B | 47.00A |
| 2890 | ---- | 71.50B | 61.75A | ---- | 69.10+ | 30 | .354 | ---- | ---- | 127 | UNCH | 177.25B | 44.25A | |
| 2900 | ---- | 67.00B | 58.00A | ---- | 64.90+ | 30 | .341 | ---- | 1 | 2729 | - | 1 | 170.25B | 41.25A |
| 2910 | ---- | 63.00B | 54.25A | ---- | 60.70+ | 10 | .327 | ---- | ---- | 548 | UNCH | 163.50B | 38.75A | |
| 2920 | ---- | 58.75B | 50.75A | ---- | 56.80+ | 10 | .314 | ---- | ---- | 525 | UNCH | 156.50B | 36.00A | |
| 2925 | ---- | 57.00B | 49.00A | ---- | 54.90+ | 10 | .307 | ---- | ---- | 1381 | UNCH | 153.25B | 34.75A | |
| 2930 | ---- | 55.00B | 47.25A | ---- | 53.00 | UNCH | .300 | ---- | ---- | 223 | UNCH | 150.00B | 33.75A | |
| 2940 | ---- | 51.25B | 44.00A | ---- | 49.40+ | 10 | .287 | ---- | ---- | 289 | UNCH | 143.25B | 31.25A | |
| 2950 | 48.00 | 48.00 | 40.75A | ---- | 45.90+ | 20 | .273 | ---- | 1 | 1761 | + | 1 | 137.00 | 29.25A |
| 2960 | ---- | 44.25B | 38.00A | ---- | 42.60+ | 30 | .260 | ---- | ---- | 607 | UNCH | 130.50B | 27.25A | |
| 2970 | ---- | 41.25B | 35.00A | ---- | 39.50+ | 30 | .247 | ---- | ---- | 447 | UNCH | 124.25B | 24.50 | |
| 2975 | ---- | 39.50B | 33.75A | ---- | 38.00+ | 30 | .240 | ---- | ---- | 235 | UNCH | 121.25B | 24.25A | |
| 2980 | ---- | 38.00B | 32.50A | ---- | 36.50+ | 40 | .234 | ---- | ---- | 342 | UNCH | 118.00B | 23.50A | |
| 2990 | ---- | 35.25B | 30.00A | ---- | 33.70+ | 50 | .221 | ---- | ---- | 331 | UNCH | 112.00B | 21.75A | |
| 3000 | 30.50 | 32.50B | 27.75A | ---- | 31.10+ | 50 | .209 | ---- | 8 | 6494 | + | 5 | 106.25B | 20.25A |
| 3010 | ---- | 30.00B | 25.75A | ---- | 28.60+ | 60 | .197 | ---- | ---- | 810 | UNCH | 100.50B | 18.75A | |
| 3020 | ---- | 27.75B | 23.75A | ---- | 26.30+ | 70 | .186 | ---- | ---- | 287 | UNCH | 95.00B | 17.50A | |
| 3025 | ---- | 26.50B | 22.75A | ---- | 25.20+ | 70 | .180 | ---- | ---- | 350 | UNCH | 92.25B | 16.75A | |
| 3030 | ---- | 25.25B | 21.75A | ---- | 24.20+ | 70 | .175 | ---- | ---- | 340 | UNCH | 89.50B | 16.25A | |
| 3040 | ---- | 23.25B | 20.00A | ---- | 22.20+ | 70 | .164 | ---- | ---- | 73 | UNCH | 84.25B | 15.00A | |
| 3050 | ---- | 21.25B | 18.50A | ---- | 20.40+ | 70 | .154 | ---- | ---- | 3736 | UNCH | 79.25B | 14.00A | |
| 3060 | ---- | 17.00B | 17.00A | ---- | 18.70+ | 70 | .144 | ---- | ---- | 516 | UNCH | 74.25B | 13.00A | |
| 3070 | ---- | 18.00B | 15.75A | ---- | 17.20+ | 60 | .135 | ---- | ---- | 681 | UNCH | 69.50B | 12.00A | |
| 3075 | ---- | 17.25B | 15.00A | ---- | 16.40+ | 70 | .130 | ---- | ---- | 801 | UNCH | 67.25B | 11.50A | |
| 3080 | ---- | 14.50A | 14.50A | ---- | 15.70+ | 70 | .126 | ---- | ---- | 643 | UNCH | 65.00B | 10.00 | |
| 3090 | ---- | 13.25A | 14.40+ | ---- | 14.40+ | 60 | .117 | ---- | ---- | 729 | UNCH | 60.75B | 10.50A | |
| 3100 | ---- | 12.25A | 13.20+ | ---- | 13.20+ | 60 | .110 | ---- | ---- | 1749 | UNCH | 56.50B | 9.50 | |
| 3110 | ---- | 11.25A | 12.10+ | ---- | 12.10+ | 50 | .102 | ---- | ---- | 596 | UNCH | 52.50B | 9.00A | |
| 3120 | 11.00 | 11.50B | 10.25A | ---- | 11.10+ | 50 | .095 | ---- | 20 | 599 | - | 20 | 48.75B | 8.25A |
| 3125 | ---- | 10.00A | 10.00A | ---- | 10.60+ | 50 | .092 | ---- | ---- | 432 | UNCH | 47.00B | 8.00A | |
| 3130 | ---- | 9.50A | 10.10 | | | | | | | | | | | |

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PRELIMINARY

PG47 BULLETIN #223@ E-MINI S&P 500 CALL OPTIONS Fri, Nov 16, 2018 PG47

Table with columns for price, quantity, and status. Includes rows for prices 3600 to 4400 and a TOTAL row.

Main table with columns for date (SEP19, NOV18), price, quantity, and status. Includes rows for prices 2000 to 2190 and a TOTAL row.

Table with columns for date (NOV18), price, quantity, and status. Includes rows for prices 100 to 2190 and a TOTAL row.

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E-MINI S&P 500 CALL OPTIONS

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PRELIMINARY

PG47 BULLETIN #223@ E-MINI S&P 500 CALL OPTIONS Fri, Nov 16, 2018 PG47

Table with columns for price, bid, ask, volume, and other market data for E-MINI S&P 500 CALL OPTIONS. Includes rows for various strike prices and option types.

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PRELIMINARY

| PG47 | BULLETIN #223@ | E-MINI S&P 500 CALL OPTIONS | | | | | | | | | | Fri, Nov 16, 2018 | PG47 | | |
|--------|----------------|-----------------------------|-----------|------|------|----------|------|-------|------|-------|--------|-------------------|----------|----------|----------|
| 3180 | ---- | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 228 | UNCH | 3.25B | .10A | |
| 3185 | ---- | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 100 | UNCH | 1.80 | .10 | |
| 3190 | ---- | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 32 | UNCH | 2.90B | .10A | |
| 3195 | ---- | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 136 | UNCH | 1.45B | .05 | |
| 3200 | ---- | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 322 | UNCH | 2.65B | .10 | |
| 3205 | ---- | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 35 | UNCH | .85 | .05 | |
| 3210 | ---- | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 254 | UNCH | 2.50B | .05 | |
| 3215 | ---- | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 7 | UNCH | .80 | .30A | |
| 3220 | ---- | ---- | ---- | ---- | ---- | .05+ | 5 | .000 | ---- | ---- | 100 | UNCH | 2.25B | .05 | |
| 3225 | ---- | ---- | ---- | ---- | ---- | .05+ | 5 | .000 | ---- | ---- | 312 | UNCH | 2.15B | .05 | |
| 3230 | ---- | ---- | ---- | ---- | ---- | .05+ | 5 | .000 | ---- | ---- | 100 | UNCH | 2.15B | .25A | |
| 3240 | ---- | ---- | ---- | ---- | ---- | .05+ | 5 | .000 | ---- | ---- | 125 | UNCH | 1.95B | .25A | |
| 3250 | ---- | ---- | ---- | ---- | ---- | .05+ | 5 | .000 | ---- | ---- | 104 | UNCH | 1.85B | .25A | |
| 3260 | ---- | ---- | ---- | ---- | ---- | .05+ | 5 | .000 | ---- | ---- | 50 | UNCH | 1.75 | .15 | |
| 3270 | ---- | ---- | ---- | ---- | ---- | .05+ | 5 | .000 | ---- | ---- | 194 | UNCH | 1.55B | .15 | |
| 3275 | ---- | ---- | ---- | ---- | ---- | .05+ | 5 | .000 | ---- | ---- | 758 | UNCH | 1.50 | .15 | |
| 3280 | ---- | ---- | ---- | ---- | ---- | .05+ | 5 | .000 | ---- | ---- | 134 | UNCH | 1.50 | .05 | |
| 3290 | ---- | ---- | ---- | ---- | ---- | .05+ | 5 | .000 | ---- | ---- | 595 | UNCH | 1.35B | .15A | |
| 3300 | ---- | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 22 | UNCH | 1.25B | .15A | |
| 3310 | ---- | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 220 | UNCH | 1.20B | .15 | |
| 3320 | ---- | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 71 | UNCH | 1.10B | .05 | |
| 3360 | ---- | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 157 | UNCH | .85B | .15 | |
| 3370 | ---- | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 20 | UNCH | .80B | .15 | |
| 3390 | ---- | ---- | ---- | ---- | ---- | CAB | ---- | ---- | ---- | ---- | 93 | UNCH | .70 | .25A | |
| TOTAL | | | | | | | | | | 31692 | 239985 | + | 447 | | |
| DEC18 | ---- | #2.00640. | 2.00610.7 | ---- | ---- | 2641.50+ | 860 | 1.000 | ---- | 1 | 1185 | - | 1 | 2640.50B | 2575.00A |
| 100 | ---- | #1.00245. | 1.00216.0 | ---- | ---- | 1245.60+ | 840 | .998 | ---- | ---- | 1404 | UNCH | 1245.50B | 1180.00A | |
| 1500 | ---- | 946.75B | 917.50A | ---- | ---- | 946.80+ | 830 | .996 | ---- | ---- | 4876 | UNCH | 1007.00B | 882.00A | |
| 1800 | ---- | 748.00B | 718.75A | ---- | ---- | 747.70+ | 800 | .993 | ---- | ---- | 2840 | UNCH | 920.00B | 683.50A | |
| 2000 | ---- | 649.75B | 620.00A | ---- | ---- | 648.50+ | 800 | .989 | ---- | 1 | 1185 | - | 1 | 831.00B | 546.75A |
| 2100 | ---- | 629.75B | 600.25A | ---- | ---- | 628.60+ | 780 | .988 | ---- | ---- | 100 | UNCH | 830.50B | 527.75A | |
| 2120 | ---- | 625.00B | 595.25A | ---- | ---- | 623.70+ | 790 | .987 | ---- | ---- | 660 | UNCH | 825.75B | 522.75A | |
| 2150 | ---- | 600.25B | 570.50A | ---- | ---- | 598.90+ | 780 | .986 | ---- | ---- | 4 | UNCH | 801.00B | 498.75A | |
| 2190 | ---- | 560.50B | 531.25A | ---- | ---- | 559.30+ | 760 | .983 | ---- | 10000 | UNCH | 761.75B | 460.75A | | |
| 2200 | ---- | 550.75B | 521.50A | ---- | ---- | 549.40+ | 760 | .982 | ---- | ---- | 1 | UNCH | 751.75B | 451.25A | |
| 2220 | ---- | 531.00B | 501.75A | ---- | ---- | 529.70+ | 760 | .980 | ---- | 2109 | UNCH | 732.25B | 432.25A | | |
| 2250 | ---- | 501.50B | 472.50A | ---- | ---- | 500.10+ | 750 | .977 | ---- | 1700 | UNCH | 702.75B | 404.00A | | |
| 2260 | ---- | 491.50B | 462.75A | ---- | ---- | 490.20+ | 740 | .976 | ---- | 1 | UNCH | 693.00B | 394.75A | | |
| 2280 | ---- | 472.00B | 443.25A | ---- | ---- | 470.60+ | 740 | .973 | ---- | 1102 | UNCH | 673.25B | 374.00A | | |
| 2320 | ---- | 433.00B | 404.50A | ---- | ---- | 431.40+ | 720 | .967 | ---- | 39 | UNCH | 634.25B | 337.00A | | |
| 2350 | ---- | 403.75B | 375.75A | ---- | ---- | 402.10+ | 700 | .961 | ---- | 61 | UNCH | 604.75B | 309.75A | | |
| 2400 | ---- | 355.75B | 328.25A | ---- | ---- | 353.70+ | 660 | .946 | ---- | 510 | 4596 | - | 450 | 556.50B | 265.50A |
| 2465 | ---- | 294.00B | 268.00A | ---- | ---- | 291.90+ | 570 | .918 | ---- | ---- | 67 | UNCH | 375.50B | 210.75A | |
| 2510 | ---- | 252.75B | 226.75A | ---- | ---- | 249.90+ | 480 | .891 | ---- | ---- | 4 | UNCH | 450.75B | 174.75A | |
| 2520 | ---- | 243.75B | 217.75A | ---- | ---- | 240.80+ | 470 | .884 | ---- | ---- | 1 | UNCH | 441.00B | 167.00A | |
| 2525 | ---- | 239.25B | 213.50A | ---- | ---- | 236.20+ | 460 | .879 | ---- | ---- | 1 | UNCH | 436.25B | 163.25A | |
| 2530 | ---- | 234.75B | 209.25A | ---- | ---- | 231.70+ | 450 | .875 | ---- | ---- | 6 | UNCH | 431.50B | 159.50A | |
| 2540 | ---- | 225.75B | 200.50A | ---- | ---- | 222.80+ | 450 | .866 | ---- | ---- | 1 | UNCH | 422.00B | 152.00A | |
| 2550 | ---- | 216.75B | 192.00A | ---- | ---- | 213.90+ | 440 | .857 | ---- | 53 | UNCH | 412.50B | 144.75A | | |
| 2560 | ---- | 208.00B | 183.50A | ---- | ---- | 205.00+ | 420 | .848 | ---- | 7 | UNCH | 402.75B | 137.50A | | |
| 2565 | ---- | 203.50B | 179.25A | ---- | ---- | 200.60+ | 410 | .842 | ---- | 1 | UNCH | 393.00B | 134.00A | | |
| 2570 | ---- | 199.00B | 174.25A | ---- | ---- | 196.20+ | 400 | .837 | ---- | 6 | UNCH | 383.25B | 130.50A | | |
| 2575 | ---- | 194.75B | 170.25A | ---- | ---- | 191.80+ | 380 | .832 | ---- | 17 | UNCH | 388.50B | 127.00A | | |
| 2580 | ---- | 190.50B | 166.50A | ---- | ---- | 187.50+ | 380 | .826 | ---- | 7 | UNCH | 383.75B | 123.75A | | |
| 2585 | ---- | 186.25B | 162.00A | ---- | ---- | 183.10+ | 350 | .820 | ---- | 6 | UNCH | 374.50B | 120.25A | | |
| 2590 | ---- | 181.75B | 158.00A | ---- | ---- | 178.80+ | 340 | .814 | ---- | 86 | UNCH | 374.50B | 117.25A | | |
| 2595 | ---- | 177.50B | 154.00A | ---- | ---- | 174.60+ | 330 | .808 | ---- | 15 | UNCH | 356.00B | 114.75A | | |
| 2600 | ---- | 173.50B | 149.50A | ---- | ---- | 170.30+ | 310 | .802 | ---- | 2970 | UNCH | 365.00B | 110.75A | | |
| 2605 | ---- | 169.25B | 145.75A | ---- | ---- | 166.10+ | 300 | .796 | ---- | 7 | UNCH | 347.75B | 107.50A | | |
| 2610 | ---- | 165.00B | 141.75A | ---- | ---- | 161.90+ | 280 | .789 | ---- | 30 | UNCH | 355.50B | 104.25A | | |
| 2615 | ---- | 160.75B | 137.75A | ---- | ---- | 157.70+ | 260 | .782 | ---- | 9 | UNCH | 308.00B | 101.25A | | |
| 2620 | ---- | 156.75B | 134.00A | ---- | ---- | 153.50+ | 240 | .775 | ---- | 141 | UNCH | 348.25B | 98.00A | | |
| 2625 | ---- | 152.50B | 130.00A | ---- | ---- | 149.40+ | 230 | .768 | ---- | 30 | UNCH | 341.50B | 95.00A | | |
| 2630 | ---- | 148.50B | 126.25A | ---- | ---- | 145.30+ | 220 | .761 | ---- | 76 | UNCH | 337.00B | 92.00A | | |
| 2635 | ---- | 144.50B | 122.50A | ---- | ---- | 141.20+ | 210 | .753 | ---- | 26 | UNCH | 328.00B | 89.00A | | |
| 2640 | ---- | 140.50B | 118.75A | ---- | ---- | 137.20+ | 200 | .745 | ---- | 12 | UNCH | 327.50B | 86.00A | | |
| 2645 | ---- | 136.50B | 115.25A | ---- | ---- | 133.20+ | 190 | .737 | ---- | 264 | UNCH | 318.75B | 83.25A | | |
| 2650 | 128.50 | 132.50B | 111.50A | ---- | ---- | 129.20+ | 180 | .728 | ---- | 3 | 412 | + | 2 | 318.25B | 74.75A |
| 2655 | ---- | 128.75B | 108.00A | ---- | ---- | 125.30+ | 170 | .720 | ---- | ---- | 107 | UNCH | 309.50B | 77.50A | |
| 2660 | ---- | 124.75B | 104.50A | ---- | ---- | 121.50+ | 170 | .711 | ---- | ---- | 198 | UNCH | 309.00B | 74.75A | |
| 2665 | ---- | 121.00B | 101.00A | ---- | ---- | 117.60+ | 150 | .701 | ---- | ---- | 7 | UNCH | 300.00B | 72.00A | |
| 2670 | ---- | 118.75B | 97.50A | ---- | ---- | 113.90+ | 150 | .692 | ---- | ---- | 143 | UNCH | 299.75B | 69.25A | |
| 2675 | ---- | 115.00B | 94.25A | ---- | ---- | 110.20+ | 140 | .682 | ---- | ---- | 1175 | UNCH | 295.25B | 66.75A | |
| 2680 | ---- | 111.25B | 90.75A | ---- | ---- | 106.50+ | 130 | .672 | ---- | 6 | 261 | - | 6 | 290.50B | 64.25A |
| 2685 | ---- | 107.50B | 87.50A | ---- | ---- | 102.80+ | 110 | .662 | ---- | ---- | 99 | UNCH | 281.50B | 61.75A | |
| 2690 | ---- | 104.00B | 84.25A | ---- | ---- | 99.30+ | 110 | .652 | ---- | ---- | 87 | UNCH | 281.25B | 59.25A | |
| 2695 | ---- | 100.25B | 81.00A | ---- | ---- | 95.70+ | 100 | .641 | ---- | ---- | 55 | UNCH | 272.25B | 56.75A | |
| 2700 | 92.50 | 96.75B | 78.00A | ---- | ---- | 92.20+ | 90 | .630 | ---- | 6 | 305 | + | 2 | 272.25B | 54.50A |
| 2705 | ---- | 93.25B | 74.75A | ---- | ---- | 88.70+ | 80 | .619 | ---- | ---- | 81 | UNCH | 263.25B | 52.25A | |
| 2710 | ---- | 89.75B | 71.75A | ---- | ---- | 85.20+ | 60 | .608 | ---- | ---- | 72 | UNCH | 263.00B | 50.00A | |
| 2715 | ---- | 86.25B | 68.75A | ---- | ---- | 81.80+ | 50 | .596 | ---- | ---- | 953 | UNCH | 254.00B | 47.75A | |
| 2720 | 77.50 | 83.00B | 65.75A | ---- | ---- | 78.40+ | 30 | .584 | ---- | 2 | 1197 | UNCH | 254.00B | 45.75A | |
| 2725 | 65.00 | 79.50B | 63.00A | ---- | ---- | 75.00 | UNCH | .572 | ---- | 1 | 930 | UNCH | 249.50B | 43.75A | |
| 2730 | 69.25 | 76.25B | 60.25A | ---- | ---- | 71.70- | 10 | .560 | ---- | 1 | 185 | UNCH | 245.00B | 41.75A | |
| 2735 | ---- | 73.00B | 57.50A | ---- | ---- | 68.40- | 40 | .547 | ---- | 10 | 575 | - | 10 | 236.00B | 39.75A |
| 2740 | ---- | 69.75B | 54.75A | ---- | ---- | 65.20- | 50 | .534 | ---- | ---- | 268 | UNCH | 236.00B | 38.00A | |
| 2745 | 61.25 | 66.75B | 52.00A | ---- | ---- | 62.10- | 70 | .521 | ---- | 173 | 380 | + | 111 | 227.00B | 36.00A |
| 2750 | ---- | 63.75B | 49.50A | ---- | ---- | 59.10- | 80 | .507 | ---- | 114 | 1612 | - | 2 | 227.00B | 34.25A |
| 2755 | ---- | 60.75B | 47.00A | ---- | ---- | 56.30- | 80 | .494 | ---- | ---- | 130 | UNCH | 218.00B | 32.75A | |
| 2760 | 45.50 | 57.75B | 44.50A | ---- | ---- | 53.50- | 90 | .480 | ---- | 26 | 466 | - | 2 | 218.25B | 31.00A |
| 2765 | ---- | 55.00B | 42.25A | ---- | ---- | 50.90- | 80 | .466 | ---- | ---- | 459 | UNCH | 211.50 | 29.50A | |
| 2770 | ---- | 52.25B | 40.00A | ---- | ---- | 48.30- | 80 | .452 | ---- | ---- | 3285 | UNCH | 209.50B | 28.00A | |
| 2775 | ---- | 49.50B | 37.75A | ---- | ---- | 45.80- | 80 | .438 | ---- | ---- | 690 | UNCH | 205.00B | 26.50A | |
| 2780 | ---- | 46.75B | 35.75A | ---- | ---- | 43.30- | 80 | .423 | ---- | 1 | 423 | UNCH | 200.50B | 21.50 | |
| 2785 | ---- | 44.25B | 33.50A | ---- | ---- | 40.80- | 90 | .409 | ---- | 510 | 1033 | - | 177 | 191.50B | 19.75 |
| 2790 | 35.00 | 41.75B | 31.50A | ---- | ---- | 38.40- | 100 | .394 | ---- | 72 | 421 | UNCH | 192.00B | 22.00A | |
| 2795 | ---- | 39.25B | 29.50A | ---- | ---- | 36.10- | 100 | .379 | ---- | ---- | 519 | UNCH | 182.75B | 20.75A | |
| 2800 | 33.25 | 37.00B | 27.75A | ---- | ---- | 33.90- | 110 | .365 | ---- | 1354 | 2024 | + | 979 | 183.25B | 18.75 |
| 2805</ | | | | | | | | | | | | | | | |

2018 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

20 South Wacker Drive, Chicago, Illinois 60606-7499.

Customer Service: (312) 930-1000



PRELIMINARY

| PG47 | BULLETIN #223@ | E-MINI S&P 500 CALL OPTIONS | | | | | | | | | | Fri, Nov 16, 2018 | PG47 | |
|-------|----------------|-----------------------------|-------|----------|------|------|----------|------|------|--------|----------|-------------------|----------|----------|
| 3030 | ---- | ---- | .60A | ---- | .60- | 25 | .013 | ---- | ---- | 733 | UNCH | 29.00B | .50A | |
| 3035 | ---- | ---- | .55A | ---- | .55- | 25 | .012 | ---- | ---- | 69 | UNCH | 22.00B | .45A | |
| 3040 | ---- | ---- | .55A | ---- | .50- | 25 | .011 | ---- | ---- | 144 | UNCH | 26.00B | .45A | |
| 3045 | ---- | ---- | .50A | ---- | .50- | 20 | .011 | ---- | ---- | 19 | UNCH | 18.75B | .40A | |
| 3050 | ---- | ---- | .45A | ---- | .45- | 20 | .010 | ---- | ---- | 941 | UNCH | 23.25B | .40A | |
| 3055 | ---- | ---- | .45A | ---- | .40- | 20 | .009 | ---- | ---- | 114 | UNCH | 16.00B | .35A | |
| 3060 | ---- | ---- | .45A | ---- | .40- | 15 | .008 | ---- | ---- | 197 | UNCH | 20.75B | .35A | |
| 3065 | ---- | ---- | .40A | ---- | .35- | 20 | .007 | ---- | ---- | 401 | UNCH | 13.75B | .40A | |
| 3070 | ---- | ---- | .40A | ---- | .35- | 15 | .007 | ---- | ---- | 462 | UNCH | 18.50B | .30A | |
| 3075 | ---- | ---- | .35A | ---- | .30- | 15 | .006 | ---- | 10 | 201 | UNCH | 17.50B | .35A | |
| 3080 | ---- | ---- | .35A | ---- | .30- | 15 | .006 | ---- | ---- | 314 | UNCH | 16.50B | .35A | |
| 3085 | ---- | ---- | .35A | ---- | .30- | 15 | .006 | ---- | ---- | 158 | UNCH | 10.00B | .35A | |
| 3090 | ---- | ---- | .30A | ---- | .25- | 15 | .005 | ---- | ---- | 217 | UNCH | 14.75B | .30A | |
| 3095 | ---- | ---- | .30A | ---- | .25- | 15 | .005 | ---- | ---- | 180 | UNCH | 8.50B | .30A | |
| 3100 | 0.35 | .35 | .30A | ---- | .25- | 15 | .005 | ---- | 18 | 797 | UNCH | 13.25B | .30A | |
| 3105 | ---- | ---- | .30A | ---- | .20- | 20 | .004 | ---- | ---- | 242 | UNCH | 7.00B | .25A | |
| 3110 | ---- | ---- | .25A | ---- | .20- | 15 | .004 | ---- | ---- | 175 | UNCH | 11.75B | .20A | |
| 3115 | ---- | ---- | .25A | ---- | .20- | 15 | .004 | ---- | ---- | 37 | UNCH | 6.00B | .20A | |
| 3120 | ---- | ---- | .25A | ---- | .20- | 15 | .004 | ---- | ---- | 209 | UNCH | 10.50B | .25A | |
| 3125 | ---- | ---- | .25A | ---- | .20- | 10 | .004 | ---- | ---- | 104 | UNCH | 10.00B | .25A | |
| 3130 | ---- | ---- | *.25A | ---- | .20- | 10 | .004 | ---- | ---- | 199 | UNCH | 9.50B | .25A | |
| 3135 | ---- | ---- | ---- | ---- | .20- | 5 | .004 | ---- | ---- | 147 | UNCH | 4.65B | .15 | |
| 3140 | ---- | ---- | .20A | ---- | .20- | 5 | .004 | ---- | ---- | 154 | UNCH | 8.50B | .10 | |
| 3145 | ---- | ---- | .20A | ---- | .20- | 5 | .004 | ---- | ---- | 24 | UNCH | 4.75 | .20A | |
| 3150 | ---- | ---- | ---- | ---- | .20 | UNCH | .004 | ---- | ---- | 521 | UNCH | 7.75B | .15 | |
| 3155 | ---- | ---- | ---- | ---- | .20 | UNCH | .004 | ---- | ---- | 476 | UNCH | 3.55B | .15A | |
| 3160 | ---- | ---- | ---- | ---- | .20 | UNCH | .004 | ---- | ---- | 587 | UNCH | 7.00B | .15A | |
| 3165 | ---- | ---- | .15A | ---- | .15- | 5 | .003 | ---- | ---- | 165 | UNCH | 3.15B | .15A | |
| 3170 | ---- | ---- | .15A | ---- | .15- | 5 | .003 | ---- | ---- | 451 | UNCH | 6.50B | .15A | |
| 3175 | 0.20 | .20 | .15A | ---- | .15- | 5 | .003 | ---- | 1300 | 1624 + | UNCH | 6.00B | .15 | |
| 3180 | ---- | ---- | ---- | ---- | .15- | 5 | .003 | ---- | ---- | 591 | UNCH | 5.75B | .20A | |
| 3185 | ---- | ---- | ---- | ---- | .15- | 5 | .003 | ---- | ---- | 96 | UNCH | 2.50B | .20A | |
| 3190 | ---- | ---- | ---- | ---- | .10- | 10 | .002 | ---- | ---- | 152 | UNCH | 5.25B | .20A | |
| 3195 | ---- | ---- | ---- | ---- | .10- | 10 | .002 | ---- | ---- | 68 | UNCH | 2.25B | .20A | |
| 3200 | ---- | ---- | ---- | ---- | .10- | 10 | .002 | ---- | ---- | 551 | UNCH | 4.95B | .20A | |
| 3205 | ---- | ---- | ---- | ---- | .10- | 5 | .002 | ---- | ---- | 55 | UNCH | 2.00B | .20 | |
| 3210 | ---- | ---- | ---- | ---- | .10- | 5 | .002 | ---- | ---- | 67 | UNCH | 4.60B | .15A | |
| 3215 | ---- | ---- | ---- | ---- | .10- | 5 | .002 | ---- | ---- | 10 | UNCH | 1.85B | .15A | |
| 3220 | ---- | ---- | ---- | ---- | .05- | 10 | .001 | ---- | ---- | 139 | UNCH | 4.25B | .15A | |
| 3225 | ---- | ---- | ---- | ---- | .05- | 10 | .001 | ---- | ---- | 550 | UNCH | 4.05B | .15A | |
| 3230 | ---- | ---- | ---- | ---- | .05- | 10 | .000 | ---- | ---- | 24 | UNCH | 3.90B | .15 | |
| 3235 | ---- | ---- | ---- | ---- | .05- | 10 | .000 | ---- | ---- | 5 | UNCH | 1.40B | .15 | |
| 3240 | ---- | ---- | ---- | ---- | .05- | 10 | .000 | ---- | ---- | 72 | UNCH | 3.65B | .15A | |
| 3250 | ---- | ---- | ---- | ---- | .05- | 10 | .000 | ---- | ---- | 25 | UNCH | 3.40B | .15 | |
| 3260 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 268 | UNCH | 3.15B | .15 | |
| 3270 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 110 | UNCH | 2.95B | .25A | |
| 3275 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 106 | UNCH | 2.90B | .25A | |
| 3280 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 109 | UNCH | 2.80B | .10A | |
| 3300 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 300 | UNCH | 2.40B | .20A | |
| 3325 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 166 | UNCH | 2.05B | .10A | |
| 3380 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 10 | UNCH | 1.50B | .30A | |
| 3390 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 100 | UNCH | 1.40B | .30A | |
| 3410 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1 | UNCH | 1.25B | .25A | |
| 3425 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1 | UNCH | 1.15B | .25A | |
| 3470 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1 | UNCH | .40B | .25 | |
| 3500 | ---- | ---- | ---- | ---- | CAB | ---- | .000 | ---- | ---- | 1208 | UNCH | .70B | .20A | |
| TOTAL | | | | | | | | | | 6647 | 108799 + | 1219 | | |
| JAN19 | | | | | | | | | | | | | | |
| 100 | ---- | 2.00634 | (| 2.00604 | .2 | ---- | 2636.20+ | 850 | .999 | ---- | 30 | UNCH | 2758.50 | 2568.50A |
| 1500 | ---- | #1.00242 | | #1.00213 | .2 | ---- | 1243.40+ | 830 | .997 | ---- | 553 | UNCH | 1242.75B | 1177.75A |
| 1910 | ---- | 837.50B | | 807.75A | ---- | ---- | 836.80+ | 800 | .988 | ---- | 20 | UNCH | 1016.75B | 772.75A |
| 2000 | ---- | 748.75B | | 719.25A | ---- | ---- | 747.90+ | 770 | .984 | ---- | 3501 | UNCH | 947.75B | 642.50A |
| 2090 | ---- | 660.50B | | 631.50A | ---- | ---- | 659.50+ | 740 | .976 | ---- | 5000 | UNCH | 859.50B | 560.25A |
| 2220 | ---- | 534.25B | | 506.25A | ---- | ---- | 532.80+ | 680 | .958 | ---- | 1 | UNCH | 732.50B | 439.00A |
| 2260 | ---- | 496.00B | | 468.25A | ---- | ---- | 494.30+ | 650 | .949 | ---- | 4990 | UNCH | 693.50B | 402.25A |
| 2280 | ---- | 476.75B | | 449.50A | ---- | ---- | 475.10+ | 630 | .944 | ---- | 9097 | UNCH | 674.25B | 384.50A |
| 2310 | ---- | 448.50B | | 421.25A | ---- | ---- | 446.50+ | 610 | .936 | ---- | 5321 | UNCH | 645.25B | 357.50A |
| 2320 | ---- | 439.00B | | 411.75A | ---- | ---- | 437.00+ | 600 | .933 | ---- | 1500 | UNCH | 635.50B | 348.75A |
| 2450 | ---- | 319.00B | | 293.25A | ---- | ---- | 316.50+ | 490 | .875 | ---- | 1 | UNCH | 310.75B | 237.25A |
| 2600 | ---- | 190.50B | | 168.25A | ---- | ---- | 187.40+ | 290 | .748 | ---- | 2 | UNCH | 370.25B | 127.75A |
| 2610 | ---- | 182.50B | | 160.50A | ---- | ---- | 179.30+ | 260 | .736 | ---- | 2 | UNCH | 361.00B | 121.25A |
| 2615 | ---- | 178.50B | | 157.00A | ---- | ---- | 175.30+ | 250 | .730 | ---- | 90 | UNCH | 316.25B | 114.75 |
| 2620 | ---- | 174.50B | | 153.25A | ---- | ---- | 171.40+ | 250 | .724 | ---- | 2 | UNCH | 352.00B | 115.00A |
| 2635 | ---- | 163.00B | | 142.25A | ---- | ---- | 159.60+ | 210 | .704 | ---- | 2 | UNCH | 334.25B | 105.75A |
| 2640 | ---- | 160.50B | | 138.50A | ---- | ---- | 155.70+ | 190 | .698 | ---- | 91 | UNCH | 333.50B | 99.75 |
| 2645 | ---- | 156.75B | | 135.00A | ---- | ---- | 151.80+ | 180 | .691 | ---- | 2 | UNCH | 325.00B | 100.00A |
| 2650 | ---- | 153.00B | | 131.50A | ---- | ---- | 148.00+ | 160 | .684 | ---- | 71 | UNCH | 324.50B | 97.00A |
| 2655 | ---- | 149.25B | | 128.00A | ---- | ---- | 144.20+ | 150 | .677 | ---- | 1 | UNCH | 316.00B | 94.00A |
| 2660 | ---- | 145.50B | | 124.50A | ---- | ---- | 140.50+ | 140 | .670 | ---- | 3 | UNCH | 315.50B | 91.25A |
| 2665 | ---- | 141.75B | | 121.25A | ---- | ---- | 136.70+ | 120 | .662 | ---- | 4 | UNCH | 306.75B | 88.50A |
| 2670 | ---- | 138.00B | | 117.75A | ---- | ---- | 133.10+ | 120 | .655 | ---- | 91 | UNCH | 306.50B | 85.75A |
| 2675 | ---- | 134.25B | | 114.50A | ---- | ---- | 129.40+ | 100 | .647 | ---- | 15 | UNCH | 302.00B | 83.00A |
| 2680 | ---- | 130.75B | | 111.25A | ---- | ---- | 125.90+ | 100 | .639 | ---- | 124 | UNCH | 297.50B | 80.50A |
| 2685 | ---- | 127.25B | | 108.00A | ---- | ---- | 122.30+ | 90 | .631 | ---- | 14 | UNCH | 288.75B | 77.75A |
| 2690 | 113.75 | 123.50B | | 104.75A | ---- | ---- | 118.80+ | 80 | .622 | 1 | 56 | UNCH | 288.50B | 75.25A |
| 2695 | ---- | 120.00B | | 101.50A | ---- | ---- | 115.40+ | 90 | .614 | ---- | 53 | UNCH | 279.75B | 72.75A |
| 2700 | ---- | 116.50B | | 98.25A | ---- | ---- | 112.00+ | 90 | .605 | ---- | 574 | UNCH | 279.50B | 70.25A |
| 2710 | ---- | 109.75B | | 92.00A | ---- | ---- | 105.30+ | 80 | .588 | ---- | 210 | UNCH | 270.75B | 65.25A |
| 2715 | ---- | 106.25B | | 89.00A | ---- | ---- | 102.00+ | 80 | .579 | ---- | 178 | UNCH | 262.00B | 63.00A |
| 2720 | 88.25 | 103.00B | | 86.00A | ---- | ---- | 98.80+ | 90 | .570 | 1 | 319 + | 1 | 261.75B | 60.75A |
| 2725 | ---- | 99.75B | | 83.00A | ---- | ---- | 95.50+ | 80 | .560 | ---- | 345 | UNCH | 257.50B | 58.50A |
| 2730 | ---- | 96.50B | | 80.00A | ---- | ---- | 92.30+ | 70 | .551 | 7 | 326 + | 7 | 253.00B | 56.25A |
| 2735 | ---- | 93.25B | | 77.25A | ---- | ---- | 89.20+ | 70 | .541 | ---- | 151 | UNCH | 244.50B | 54.25A |
| 2740 | 80.00 | 90.00B | | 74.50A | ---- | ---- | 86.00+ | 60 | .532 | 14 | 120 + | 3 | 244.25B | 52.00A |
| 2745 | ---- | 87.00B | | 71.50A | ---- | ---- | 82.90+ | 50 | .522 | ---- | 151 | UNCH | 235.75B | 50.00A |
| 2750 | 81.50 | 83.75B | | 68.75A | ---- | ---- | 79.80+ | 40 | .512 | 221 | 877 + | 201 | 235.50B | 48.00A |
| 2755 | ---- | 80.75B | | 66.00A | ---- | ---- | 76.80+ | 30 | .502 | ---- | 90 | UNCH | 227.00B | 46.25A |
| 2760 | ---- | 77.75B | | 63.25A | ---- | ---- | 73.80+ | 20 | .491 | ---- | 417 | UNCH | 227.00B | 44.25A |
| 2765 | ---- | 74.75B | | 60.75A | ---- | ---- | 70.90+ | 10 | .481 | ---- | 184 | UNCH | 218.50B | 42.50A |
| 2770 | ---- | 72.00B | | 58.25A | ---- | ---- | 68.00+ | 10 | .470 | ---- | 114 | UNCH | 218.50B | 40.75A |
| 2775 | ---- | 69.00B | | 55.75A | ---- | ---- | 65.20+ | 20 | .460 | ---- | 276 | UNCH | 214.25B | 39.00A |
| 2780 | ---- | 66.25B | | 53.50A | ---- | ---- | 62.40+ | 30 | .449 | ---- | 723 | UNCH | 210.00B | 37.25A |
| 2785 | ---- | 63.50B | | 51.00A | ---- | ---- | 59.70+ | 50 | .438 | ---- | 71 | UNCH | 201.50B | 35.75A |
| 2790 | ---- | 60.75B | | 48.75A | ---- | ---- | 57.10+ | 50 | .427 | ---- | 331 | UNCH | 201.50B | 34.25A |
| 2795 | ---- | 58.25B | | 46.50A | ---- | ---- | 54.50+ | 70 | .416 | ---- | 215 | UNCH | 193.00B | 32.75A |
| 2800 | 48.50 | 55.50B | | 44.50A | ---- | ---- | 52.00+ | 70 | .404 | 2 | 282 - | 1 | 193.25B | |

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PRELIMINARY

| PG47 | BULLETIN #223@ | E-MINI S&P 500 CALL OPTIONS | | | | | | | | | | Fri, Nov 16, 2018 | PG47 | |
|-------|----------------|-----------------------------|-----------|------|----------|------|------|------|------|-------|-------|-------------------|----------|---------|
| 2995 | 3.70 | 4.35B | 3.55A | ---- | 3.75- | 65 | .058 | ---- | 1 | 500 | - | 1 | 51.25B | 2.75A |
| 3000 | ---- | ---- | 3.35A | ---- | 3.50- | 60 | .055 | ---- | 3 | 662 | UNCH | 52.00B | 2.60A | |
| 3005 | ---- | ---- | 3.10A | ---- | 3.25- | 60 | .051 | ---- | ---- | 177 | UNCH | 46.25B | 2.40A | |
| 3010 | ---- | ---- | 2.90A | ---- | 3.00- | 60 | .048 | ---- | ---- | 217 | UNCH | 47.00B | 2.30A | |
| 3015 | ---- | ---- | 2.75A | ---- | 2.80- | 55 | .045 | ---- | ---- | 27 | UNCH | 41.50B | 2.15A | |
| 3020 | ---- | ---- | 2.55A | ---- | 2.60- | 50 | .042 | ---- | ---- | 410 | UNCH | 42.50B | 2.05A | |
| 3025 | 2.50 | 2.50 | 2.40A | ---- | 2.45- | 45 | .040 | ---- | 50 | 346 | UNCH | 40.25B | 1.95A | |
| 3030 | ---- | ---- | 2.25A | ---- | 2.25- | 50 | .037 | ---- | ---- | 47 | UNCH | 38.25B | 1.80A | |
| 3035 | ---- | ---- | 2.10A | ---- | 2.10- | 45 | .035 | ---- | ---- | 101 | UNCH | 33.00B | 1.70A | |
| 3040 | ---- | ---- | 1.95A | ---- | 2.00- | 40 | .033 | ---- | 2 | 317 | UNCH | 34.75B | 1.65A | |
| 3045 | ---- | ---- | 1.85A | ---- | 1.85- | 40 | .031 | ---- | ---- | 88 | UNCH | 29.25B | 1.55A | |
| 3050 | ---- | ---- | 1.75A | ---- | 1.75- | 40 | .029 | ---- | ---- | 137 | UNCH | 31.50B | 1.45A | |
| 3055 | ---- | ---- | 1.60A | ---- | 1.65- | 35 | .028 | ---- | ---- | 28 | UNCH | 25.75B | 1.40A | |
| 3060 | ---- | ---- | 1.50A | ---- | 1.55- | 35 | .026 | ---- | ---- | 46 | UNCH | 28.50B | 1.30A | |
| 3065 | ---- | ---- | 1.45A | ---- | 1.45- | 35 | .024 | ---- | ---- | 46 | UNCH | 22.50B | 1.25A | |
| 3070 | ---- | ---- | 1.40A | ---- | 1.35- | 35 | .023 | ---- | ---- | 197 | UNCH | 25.75B | 1.20A | |
| 3075 | ---- | ---- | 1.30A | ---- | 1.25- | 35 | .021 | ---- | ---- | 233 | UNCH | 24.50B | 1.15A | |
| 3080 | ---- | ---- | 1.25A | ---- | 1.20- | 30 | .020 | ---- | ---- | 55 | UNCH | 23.25B | 1.05A | |
| 3085 | ---- | ---- | 1.15A | ---- | 1.10- | 30 | .019 | ---- | ---- | 33 | UNCH | 17.25B | 1.00A | |
| 3090 | 1.00 | 1.00 | 1.00 | ---- | 1.05- | 30 | .018 | ---- | 38 | 280 | + | 38 | 21.00B | .95A |
| 3095 | ---- | ---- | 1.05A | ---- | 1.00- | 25 | .017 | ---- | ---- | 114 | UNCH | 15.00B | .90A | |
| 3100 | 0.90 | .90 | *.85 | ---- | .95- | 25 | .016 | ---- | 51 | 110 | + | 51 | 18.75B | .85 |
| 3105 | ---- | ---- | .95A | ---- | .90- | 20 | .015 | ---- | ---- | 21 | UNCH | 13.00B | .95A | |
| 3110 | ---- | ---- | .90A | ---- | .85- | 20 | .015 | ---- | ---- | 174 | UNCH | 17.00B | .90A | |
| 3115 | ---- | ---- | .85A | ---- | .80- | 20 | .014 | ---- | ---- | 22 | UNCH | 11.25B | .75A | |
| 3120 | ---- | ---- | .85A | ---- | .75- | 20 | .013 | ---- | ---- | 13 | UNCH | 15.25B | .70A | |
| 3125 | ---- | ---- | .80A | ---- | .70- | 20 | .012 | ---- | ---- | 21 | UNCH | 14.50B | .80A | |
| 3130 | ---- | ---- | .75A | ---- | .65- | 20 | .011 | ---- | ---- | 10 | UNCH | 13.75B | .65A | |
| 3135 | ---- | ---- | *.70A | ---- | .65- | 15 | .011 | ---- | ---- | 6 | UNCH | 8.50B | .70A | |
| 3140 | ---- | ---- | .70A | ---- | .60- | 15 | .010 | ---- | ---- | 116 | UNCH | 12.50 | .60A | |
| 3145 | ---- | ---- | *.65A | ---- | .60- | 15 | .010 | ---- | ---- | 29 | UNCH | 7.50B | .65A | |
| 3150 | ---- | ---- | .65A | ---- | .55- | 15 | .009 | ---- | ---- | 222 | UNCH | 11.25B | .55A | |
| 3155 | ---- | ---- | *.60A | ---- | .55- | 10 | .009 | ---- | ---- | 92 | UNCH | 6.50B | .60A | |
| 3160 | ---- | ---- | .60A | ---- | .50- | 15 | .009 | ---- | ---- | 15 | UNCH | 10.25B | .50A | |
| 3165 | ---- | ---- | .55A | ---- | .50- | 10 | .008 | ---- | ---- | 3 | UNCH | 5.75B | .55A | |
| 3170 | ---- | ---- | .55A | ---- | .45- | 15 | .008 | ---- | ---- | 30 | UNCH | 9.25B | .45A | |
| 3180 | ---- | ---- | .50A | ---- | .45- | 10 | .007 | ---- | ---- | 23 | UNCH | 4.60B | .40A | |
| 3185 | ---- | ---- | .45A | ---- | .40- | 10 | .007 | ---- | ---- | 16 | UNCH | 4.00B | .35A | |
| 3200 | ---- | ---- | ---- | ---- | .35- | 10 | .006 | ---- | ---- | 10 | UNCH | 7.00B | .30A | |
| 3220 | ---- | ---- | ---- | ---- | .30- | 10 | .005 | ---- | ---- | 6 | UNCH | 6.00B | .30A | |
| 3240 | ---- | ---- | ---- | ---- | .25- | 10 | .004 | ---- | ---- | 6 | UNCH | 5.00B | .30A | |
| 3270 | ---- | ---- | ---- | ---- | .20- | 10 | .003 | ---- | ---- | 10 | UNCH | 4.20B | .25A | |
| 3350 | ---- | ---- | ---- | ---- | .15- | 5 | .002 | ---- | ---- | 197 | UNCH | 3.00 | .25A | |
| 3410 | ---- | ---- | ---- | ---- | .10- | 10 | .001 | ---- | ---- | 100 | UNCH | 2.60B | .20A | |
| 3500 | ---- | ---- | ---- | ---- | .05- | 10 | .000 | ---- | ---- | 1 | UNCH | 1.85B | .30A | |
| 4275 | ---- | ---- | ---- | ---- | .05- | 5 | .000 | ---- | ---- | 553 | UNCH | 1.25B | .75A | |
| TOTAL | | | | | CAB | ---- | ---- | ---- | ---- | 2 | UNCH | ---- | ---- | |
| | | | | | | | | | | 420 | 59052 | + | 312 | |
| FEB19 | | | | | | | | | | | | | | |
| 1200 | ---- | #1.00537 | 1.00508.0 | ---- | 1538.90+ | 830 | .998 | ---- | ---- | 1 | UNCH | 1537.25B | 1472.75A | |
| 1500 | ---- | #1.00240 | 1.00211.2 | ---- | 1241.40+ | 820 | .996 | ---- | ---- | 16 | UNCH | 1240.00B | 1176.00A | |
| 1910 | ---- | 836.00B | 808.00A | ---- | 836.70+ | 770 | .982 | ---- | 3014 | 3256 | + | 1034.50B | 735.00A | |
| 1950 | ---- | 797.00B | 769.25A | ---- | 797.50+ | 740 | .979 | ---- | ---- | 1000 | UNCH | 995.50B | 697.00A | |
| 2000 | ---- | 748.25B | 720.75A | ---- | 748.70+ | 730 | .975 | ---- | ---- | 1705 | UNCH | 946.75B | 648.25A | |
| 2020 | ---- | 729.00B | 701.50A | ---- | 729.20+ | 720 | .973 | ---- | ---- | 3000 | UNCH | 927.25B | 629.25A | |
| 2025 | ---- | 724.00B | 696.75A | ---- | 724.30+ | 720 | .972 | ---- | ---- | 226 | UNCH | 922.25B | 624.50A | |
| 2030 | ---- | 719.25B | 691.75A | ---- | 719.50+ | 720 | .971 | ---- | ---- | 1000 | UNCH | 917.50B | 610.50A | |
| 2040 | ---- | 709.50B | 682.25A | ---- | 709.80+ | 720 | .970 | ---- | ---- | 100 | UNCH | 907.75B | 601.50A | |
| 2200 | ---- | 556.00B | 530.00A | ---- | 555.90+ | 660 | .943 | ---- | ---- | 5019 | UNCH | 753.25B | 463.00A | |
| 2210 | ---- | 546.75B | 520.75A | ---- | 546.40+ | 650 | .940 | ---- | ---- | 990 | UNCH | 743.50B | 454.00A | |
| 2220 | ---- | 537.25B | 511.50A | ---- | 537.00+ | 650 | .938 | ---- | ---- | 16524 | UNCH | 733.75B | 445.00A | |
| 2230 | ---- | 527.75B | 502.00A | ---- | 527.50+ | 640 | .935 | ---- | ---- | 3000 | UNCH | 724.25B | 436.00A | |
| 2240 | ---- | 518.25B | 492.75A | ---- | 518.10+ | 640 | .932 | ---- | ---- | 5000 | UNCH | 714.50B | 427.00A | |
| 2250 | ---- | 509.75B | 483.50A | ---- | 508.70+ | 640 | .930 | ---- | ---- | 1000 | UNCH | 705.00B | 418.25A | |
| 2300 | ---- | 463.25B | 437.50A | ---- | 462.00+ | 610 | .913 | ---- | ---- | 440 | UNCH | 656.75B | 374.25A | |
| 2400 | ---- | 372.50B | 347.25A | ---- | 370.50+ | 510 | .871 | ---- | ---- | 313 | UNCH | 561.50B | 288.75A | |
| 2595 | 197.75 | 207.50B | 186.00A | ---- | 204.70+ | NEW | .726 | ---- | 1 | 1 | + | 274.75B | 144.50A | |
| 2600 | ---- | 203.50B | 182.25A | ---- | 200.80+ | 290 | .720 | ---- | ---- | 4 | UNCH | 375.50B | 141.25A | |
| 2610 | ---- | 195.75B | 174.75A | ---- | 193.00+ | 270 | .710 | ---- | ---- | 7 | UNCH | 366.50B | 134.75A | |
| 2620 | ---- | 189.50B | 167.50A | ---- | 185.30+ | 260 | .698 | ---- | ---- | 2 | UNCH | 357.50B | 128.50A | |
| 2625 | ---- | 185.75B | 164.00A | ---- | 181.50+ | 250 | .693 | ---- | ---- | 76 | UNCH | 353.00B | 125.50A | |
| 2640 | ---- | 174.50B | 153.25A | ---- | 170.20+ | 230 | .675 | ---- | ---- | 1 | UNCH | 339.50B | 116.25A | |
| 2650 | ---- | 167.00B | 146.25A | ---- | 162.80+ | 210 | .662 | ---- | ---- | 26 | UNCH | 330.50B | 98.75 | |
| 2655 | ---- | 163.25B | 143.00A | ---- | 159.10+ | 210 | .656 | ---- | ---- | 5 | UNCH | 322.25B | 107.50A | |
| 2660 | 151.00 | 159.50B | 139.25A | ---- | 155.50+ | 200 | .650 | ---- | 11 | 131 | + | 11 | 321.75B | 104.50A |
| 2665 | ---- | 156.00B | 136.25A | ---- | 151.90+ | 200 | .643 | ---- | ---- | 39 | UNCH | 313.25B | 101.75A | |
| 2670 | ---- | 152.25B | 132.75A | ---- | 148.30+ | 190 | .636 | ---- | ---- | 10 | UNCH | 312.75B | 99.00A | |
| 2675 | ---- | 148.75B | 129.25A | ---- | 144.70+ | 180 | .630 | ---- | ---- | 9 | UNCH | 308.50B | 96.25A | |
| 2680 | ---- | 145.25B | 126.00A | ---- | 141.20+ | 180 | .623 | ---- | ---- | 176 | UNCH | 304.00B | 93.50A | |
| 2685 | ---- | 141.75B | 122.75A | ---- | 137.70+ | 170 | .616 | ---- | ---- | 12 | UNCH | 295.50B | 90.75A | |
| 2690 | ---- | 138.25B | 119.50A | ---- | 134.20+ | 170 | .609 | ---- | ---- | 256 | UNCH | 295.25B | 88.25A | |
| 2700 | ---- | 131.25B | 113.25A | ---- | 127.40+ | 160 | .594 | ---- | ---- | 1337 | UNCH | 286.50B | 83.00A | |
| 2705 | 121.75 | 127.75B | 110.00A | ---- | 124.00+ | 150 | .587 | ---- | 10 | 100 | + | 10 | 278.00B | 80.50A |
| 2710 | 119.50 | 124.50B | 107.00A | ---- | 120.60+ | 140 | .579 | ---- | 5 | 173 | + | 5 | 277.75B | 78.00A |
| 2715 | ---- | 121.25B | 104.00A | ---- | 117.30+ | 140 | .572 | ---- | ---- | 2 | UNCH | 269.50B | 75.75A | |
| 2720 | 113.00 | 117.75B | 100.75A | ---- | 114.00+ | 130 | .564 | ---- | 9 | 215 | + | 9 | 269.25B | 73.25A |
| 2725 | 105.75 | 114.50B | 97.75A | ---- | 110.80+ | 120 | .556 | ---- | 7 | 360 | + | 5 | 265.00B | 71.00A |
| 2730 | ---- | 111.25B | 95.00A | ---- | 107.60+ | 120 | .548 | ---- | ---- | 159 | UNCH | 260.50B | 68.50A | |
| 2735 | ---- | 108.00B | 91.75A | ---- | 104.40+ | 110 | .540 | ---- | 21 | 466 | + | 3 | 252.25B | 66.25A |
| 2740 | 102.25 | 105.00B | 89.00A | ---- | 101.20+ | 100 | .532 | ---- | 1 | 3 | UNCH | 252.00B | 64.00A | |
| 2745 | ---- | 101.75B | 86.00A | ---- | 98.10+ | 90 | .523 | ---- | ---- | 90 | UNCH | 243.75B | | |



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CME Group, Inc.

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PRELIMINARY

| PG47 | BULLETIN #223@ | E-MINI S&P 500 CALL OPTIONS | | | | | | | | | | Fri, Nov 16, 2018 | PG47 |
|-------|----------------|-----------------------------|---------|------|---------|------|------|------|------|---------|------|-------------------|---------|
| 3025 | ---- | ---- | 4.90A | ---- | 5.20-- | 50 | .068 | ---- | ---- | 121 | UNCH | 49.75B | 3.85A |
| 3030 | ---- | ---- | 4.60A | ---- | 4.85-- | 55 | .064 | ---- | ---- | 244 | UNCH | 47.50B | 3.65A |
| 3035 | 5.25 | 5.25 | 4.40A | ---- | 4.60-- | 50 | .061 | ---- | 1 | 319 + | 1 | 42.25B | 3.50A |
| 3040 | ---- | ---- | 4.15A | ---- | 4.30-- | 50 | .058 | ---- | ---- | 41 | UNCH | 43.00B | 3.30A |
| 3045 | ---- | ---- | 3.90A | ---- | 4.10-- | 45 | .055 | ---- | ---- | 102 | UNCH | 38.00B | 3.15A |
| 3050 | ---- | ---- | 3.70A | ---- | 3.85-- | 45 | .052 | ---- | ---- | 2419 | UNCH | 39.00B | 3.00A |
| 3055 | ---- | ---- | 3.55A | ---- | 3.65-- | 40 | .050 | ---- | ---- | 127 | UNCH | 34.00B | 2.85A |
| 3060 | ---- | ---- | 3.35A | ---- | 3.45-- | 40 | .047 | ---- | ---- | 15 | UNCH | 35.00B | 2.75A |
| 3065 | ---- | ---- | 3.20A | ---- | 3.25-- | 40 | .045 | ---- | ---- | 16 | UNCH | 30.50B | 2.60A |
| 3070 | ---- | ---- | 3.00A | ---- | 3.10-- | 35 | .043 | ---- | ---- | 19 | UNCH | 31.50B | 2.50A |
| 3075 | ---- | ---- | 2.85A | ---- | 2.90-- | 40 | .041 | ---- | ---- | 244 | UNCH | 29.75B | 2.40A |
| 3080 | ---- | ---- | 2.75A | ---- | 2.75-- | 40 | .039 | ---- | ---- | 16 | UNCH | 28.25B | 2.30A |
| 3085 | ---- | ---- | 2.60A | ---- | 2.60-- | 35 | .037 | ---- | ---- | 28 | UNCH | 24.25B | 2.20A |
| 3090 | ---- | ---- | 2.50A | ---- | 2.50-- | 35 | .035 | ---- | ---- | 232 | UNCH | 25.25B | 2.10A |
| 3095 | ---- | ---- | 2.35A | ---- | 2.35-- | 35 | .033 | ---- | ---- | 35 | UNCH | 21.50B | 2.00A |
| 3100 | ---- | ---- | 2.25A | ---- | 2.25-- | 30 | .032 | ---- | ---- | 360 | UNCH | 22.50B | 1.95A |
| 3110 | ---- | ---- | 2.05A | ---- | 2.05-- | 30 | .029 | ---- | ---- | 75 | UNCH | 20.00B | 1.80A |
| 3115 | ---- | ---- | 1.95A | ---- | 1.95-- | 30 | .028 | ---- | ---- | 1 | UNCH | 16.75B | 1.70A |
| 3120 | ---- | ---- | 1.90A | ---- | 1.85-- | 30 | .027 | ---- | ---- | 55 | UNCH | 17.75B | 1.80A |
| 3125 | ---- | ---- | 1.80A | ---- | 1.80-- | 25 | .026 | ---- | ---- | 5 | UNCH | 16.75B | 1.60A |
| 3130 | ---- | ---- | 1.75A | ---- | 1.70-- | 25 | .024 | ---- | ---- | 120 | UNCH | 15.75B | 1.65A |
| 3135 | ---- | ---- | 1.70A | ---- | 1.65-- | 25 | .024 | ---- | ---- | 1 | UNCH | 13.00B | 1.60A |
| 3140 | ---- | ---- | 1.60A | ---- | 1.55-- | 25 | .022 | ---- | ---- | 87 | UNCH | 14.00B | 1.55A |
| 3145 | ---- | ---- | 1.55A | ---- | 1.50-- | 25 | .022 | ---- | ---- | 3 | UNCH | 11.50B | 1.50A |
| 3150 | ---- | ---- | 1.50A | ---- | 1.45-- | 20 | .021 | ---- | ---- | 60 | UNCH | 12.25B | 1.45A |
| 3200 | ---- | ---- | 1.05A | ---- | .95-- | 15 | .014 | ---- | ---- | 2 | UNCH | 6.50B | 1.05A |
| 3210 | ---- | ---- | .95A | ---- | .90-- | 15 | .013 | ---- | ---- | 53 | UNCH | 6.25B | .85A |
| 3215 | ---- | ---- | .95A | ---- | .85-- | 15 | .012 | ---- | ---- | 62 | UNCH | 5.25B | .85A |
| 3225 | ---- | ---- | .85A | ---- | .80-- | 15 | .011 | ---- | ---- | 60 | UNCH | 6.00 | .85A |
| 3250 | ---- | ---- | .75A | ---- | .70-- | 10 | .010 | ---- | ---- | 137 | UNCH | 4.30B | .70A |
| 3260 | ---- | ---- | ---- | ---- | .65-- | 10 | .009 | ---- | ---- | 1 | UNCH | 3.85B | .65A |
| 3270 | ---- | ---- | ---- | ---- | .60-- | 10 | .008 | ---- | ---- | 100 | UNCH | 3.55B | .60A |
| 3275 | ---- | ---- | .65A | ---- | .60-- | 10 | .008 | ---- | ---- | 143 | UNCH | 3.45B | .60A |
| 3280 | ---- | ---- | ---- | ---- | .55-- | 10 | .008 | ---- | ---- | 9 | UNCH | 3.30B | .60A |
| 3290 | ---- | ---- | .60A | ---- | .55-- | 10 | .008 | ---- | ---- | 1 | UNCH | 3.10B | .55A |
| 3300 | 0.35 | .45 | *.35 | ---- | .50-- | 10 | .007 | ---- | 10 | 8 - | 2 | 2.95B | .35 |
| 3310 | ---- | ---- | ---- | ---- | .45-- | 10 | .006 | ---- | ---- | 2 | UNCH | 2.80B | .50A |
| 3320 | ---- | ---- | .50A | ---- | .45-- | 10 | .006 | ---- | ---- | 1 | UNCH | 2.65B | .45A |
| 3325 | ---- | ---- | ---- | ---- | .40-- | 10 | .005 | ---- | ---- | 1 | UNCH | 2.55B | .45A |
| 3340 | ---- | ---- | ---- | ---- | .40-- | 5 | .005 | ---- | ---- | 201 | UNCH | 2.40B | .40A |
| 3350 | ---- | ---- | ---- | ---- | .35-- | 10 | .005 | ---- | ---- | 200 | UNCH | 2.25B | .40A |
| 3360 | ---- | ---- | ---- | ---- | .35-- | 5 | .005 | ---- | ---- | 2 | UNCH | 2.15B | .35A |
| 3370 | ---- | ---- | ---- | ---- | .30-- | 10 | .004 | ---- | ---- | 100 | UNCH | 2.10B | .35A |
| 3375 | ---- | ---- | ---- | ---- | .30-- | 10 | .004 | ---- | ---- | 303 | UNCH | 2.10B | .40A |
| 3380 | ---- | ---- | ---- | ---- | .30-- | 5 | .004 | ---- | ---- | 193 | UNCH | 2.05B | .30 |
| 3390 | ---- | ---- | ---- | ---- | .25-- | 10 | .003 | ---- | ---- | 189 | UNCH | 2.00B | .30A |
| 3400 | ---- | ---- | ---- | ---- | .25-- | 5 | .003 | ---- | ---- | 338 | UNCH | 1.90 | .35A |
| 3410 | ---- | ---- | ---- | ---- | .25-- | 5 | .003 | ---- | ---- | 527 | UNCH | 1.75B | .35A |
| 3430 | ---- | ---- | ---- | ---- | .20-- | 5 | .002 | ---- | ---- | 1 | UNCH | 1.60B | .30A |
| 3500 | 0.30 | .30 | .25A | ---- | .15+ | NEW | .002 | ---- | 5 | 5 + | 5 | 1.20B | .20A |
| 3700 | ---- | ---- | ---- | ---- | .05 | UNCH | .000 | ---- | ---- | 1 | UNCH | .45B | .25A |
| TOTAL | | | | | | | | | 3569 | 60865 + | 3115 | | |
| MAR19 | | | | | | | | | | | | | |
| 2000 | ---- | 758.00B | 731.00A | ---- | 758.60+ | 710 | .965 | ---- | ---- | 10000 | UNCH | 953.75B | 659.00A |
| 2200 | ---- | 568.50B | 543.00A | ---- | 568.60+ | 640 | .928 | ---- | ---- | 4000 | UNCH | 760.50B | 477.00A |
| 2250 | ---- | 523.00B | 497.25A | ---- | 522.10+ | 600 | .913 | ---- | ---- | 50 | UNCH | 712.75B | 432.50A |
| 2625 | ---- | 204.75B | 183.50A | ---- | 200.90+ | 250 | .685 | ---- | ---- | 61 | UNCH | 364.25B | 142.75A |
| 2630 | ---- | 201.00B | 180.00A | ---- | 197.10+ | 240 | .680 | ---- | ---- | 65 | UNCH | 359.75B | 139.75A |
| 2650 | ---- | 186.25B | 166.00A | ---- | 182.30+ | 220 | .658 | ---- | ---- | 391 | UNCH | 342.25B | 127.50A |
| 2660 | ---- | 179.00B | 159.25A | ---- | 175.00+ | 200 | .647 | ---- | ---- | 82 | UNCH | 333.50B | 121.50A |
| 2670 | ---- | 171.75B | 152.25A | ---- | 167.80+ | 190 | .636 | ---- | ---- | 9 | UNCH | 324.75B | 115.75A |
| 2675 | ---- | 168.00B | 149.00A | ---- | 164.20+ | 180 | .630 | ---- | ---- | 9 | UNCH | 320.25B | 112.75A |
| 2700 | ---- | 150.75B | 132.75A | ---- | 146.80+ | 150 | .599 | ---- | ---- | 122 | UNCH | 298.75B | 99.00A |
| 2710 | ---- | 143.75B | 126.25A | ---- | 140.00+ | 130 | .586 | ---- | ---- | 99 | UNCH | 290.25B | 93.75A |
| 2725 | ---- | 133.75B | 116.75A | ---- | 130.10+ | 110 | .566 | ---- | ---- | 100 | UNCH | 277.50B | 86.25A |
| 2730 | ---- | 130.50B | 113.75A | ---- | 126.80+ | 100 | .559 | ---- | ---- | 90 | UNCH | 273.25B | 83.75A |
| 2750 | 111.75 | 117.75B | 102.00A | ---- | 114.10+ | 80 | .530 | ---- | 4 | 8 + | 4 | 256.50B | 74.25A |
| 2760 | ---- | 111.50B | 96.25A | ---- | 108.00+ | 80 | .515 | ---- | ---- | 167 | UNCH | 248.00B | 69.75A |
| 2770 | ---- | 105.25B | 90.50A | ---- | 101.90+ | 60 | .500 | ---- | ---- | 62 | UNCH | 238.75B | 65.50A |
| 2775 | ---- | 102.25B | 87.75A | ---- | 99.00+ | 70 | .493 | ---- | ---- | 190 | UNCH | 235.75B | 63.50A |
| 2780 | 90.00 | 99.50B | 85.50A | ---- | 96.10+ | 60 | .485 | ---- | 4 | 18 + | 4 | 231.75B | 61.50A |
| 2790 | ---- | 93.50B | 80.25A | ---- | 90.40+ | 60 | .469 | ---- | ---- | 75 | UNCH | 223.50B | 57.50A |
| 2800 | 83.00 | 88.00B | 74.75A | ---- | 84.80+ | 50 | .453 | ---- | 2 | 259 | UNCH | 215.50B | 53.50A |
| 2810 | 77.00 | 82.50B | 70.00A | ---- | 79.40+ | 50 | .437 | ---- | 2 | 292 | UNCH | 207.50B | 50.00A |
| 2820 | ---- | 77.00B | 65.25A | ---- | 74.20+ | 50 | .420 | ---- | ---- | 233 | UNCH | 200.00B | 46.50A |
| 2825 | 69.75 | 74.50B | 63.00A | ---- | 71.60+ | 40 | .412 | ---- | 1 | 77 | UNCH | 196.00B | 44.75A |
| 2830 | ---- | 71.75B | 60.75A | ---- | 69.10+ | 30 | .404 | ---- | ---- | 72 | UNCH | 192.25B | 43.25A |
| 2840 | ---- | 66.75B | 62.25A | ---- | 64.20+ | 20 | .387 | ---- | ---- | 11 | UNCH | 184.50B | 40.00A |
| 2850 | ---- | 62.00B | 52.25A | ---- | 59.50+ | 10 | .369 | ---- | ---- | 385 | UNCH | 176.75B | 37.00A |
| 2860 | ---- | 57.50B | 48.25A | ---- | 54.90+ | 10 | .352 | ---- | ---- | 287 | UNCH | 169.25B | 34.25A |
| 2870 | ---- | 53.00B | 44.25A | ---- | 50.60+ | 20 | .335 | ---- | ---- | 39 | UNCH | 161.75B | 31.50A |
| 2875 | ---- | 51.00B | 42.25A | ---- | 48.50+ | 20 | .326 | ---- | ---- | 92 | UNCH | 158.00B | 30.25A |
| 2880 | ---- | 48.75B | 40.50A | ---- | 46.50+ | 20 | .317 | ---- | ---- | 7 | UNCH | 154.25B | 29.00A |
| 2890 | ---- | 44.75B | 37.00A | ---- | 42.50+ | 40 | .300 | ---- | ---- | 47 | UNCH | 147.00B | 26.75A |
| 2900 | 38.25 | 41.00B | 33.75A | ---- | 38.80+ | 50 | .283 | ---- | 2 | 24 + | 2 | 139.75B | 24.50A |
| 2910 | ---- | 37.50B | 30.75A | ---- | 35.30+ | 60 | .266 | ---- | ---- | 166 | UNCH | 132.75B | 22.50A |
| 2920 | ---- | 34.00B | 28.00A | ---- | 32.10+ | 60 | .249 | ---- | ---- | 85 | UNCH | 125.75B | 20.75A |
| 2925 | ---- | 32.50B | 26.75A | ---- | 30.50+ | 60 | .241 | ---- | ---- | 69 | UNCH | 122.50B | 19.75A |
| 2930 | ---- | 31.00B | 25.50A | ---- | 29.00+ | 70 | .232 | ---- | ---- | 179 | UNCH | 119.00B | 19.00A |
| 2940 | ---- | 28.00B | 23.00A | ---- | 26.20+ | 70 | .217 | ---- | ---- | 217 | UNCH | 112.50B | 17.50A |
| 2950 | ---- | 25.25B | 20.75A | ---- | 23.60+ | 70 | .201 | ---- | ---- | 189 | UNCH | 105.75B | 15.75A |
| 2960 | ---- | 22.75B | 18.75A | ---- | 21.20+ | 70 | .186 | ---- | ---- | 95 | UNCH | 99.50B | 14.25A |
| 2970 | ---- | 20.50B | 17.00A | ---- | 19.00+ | 70 | .172 | ---- | ---- | 384 | UNCH | 93.25B | 12.75A |
| 2975 | 16.50 | 19.25B | 16.00A | ---- | 18.00+ | 70 | .165 | ---- | 1 | 148 + | 1 | 90.25B | 12.25A |
| 2980 | ---- | 18.25B | 15.25A | ---- | 17.00+ | 70 | .158 | ---- | ---- | 55 | UNCH | 87.25B | 11.50A |
| 2990 | ---- | 16.25B | 13.75A | ---- | 15.20+ | 70 | .145 | ---- | ---- | 145 | UNCH | 81.50B | 10.50A |
| 3000 | 14.00 | 14.50B | 12.25A | ---- | 13.60+ | 70 | .133 | ---- | 1 | 140 | UNCH | 75.75B | 9.50A |
| 3010 | ---- | 13.00B | 11.00A | ---- | 12.10+ | 70 | .122 | ---- | ---- | 4 | UNCH | 70.25B | 8.50A |
| 3020 | ---- | ---- | 10.00A | ---- | 10.80+ | 70 | .111 | ---- | ---- | 26 | UNCH | 65.00B | 7.75A |
| 3025 | ---- | ---- | 9.50A | ---- | 10.20+ | 70 | .106 | ---- | ---- | 266 | UNCH | 62.50B | 7.25A |
| 3030 | ---- | ---- | 9.00A | ---- | 9.70+ | 60 | .102 | ---- | ---- | 1 | UNCH | 60.00B | 7.00A |
| 3050 | ---- | ---- | 7.25A | ---- | 7.70+ | 70 | .084 | ---- | 2 | 229 | UNCH | 50.75B | 5.75A |
| 3060 | ---- | ---- | 6.75A | ---- | 6.90+ | 60 | .077 | ---- | ---- | 5 | UNCH | 46.25B | 5.25A |
| 3075 | ---- | ---- | 5.75A | ---- | 5.90+ | 50 | .067 | ---- | ---- | 60 | UNCH | 40.25B | 4.55A |
| 3080 | ---- | ---- | 5.50A | ---- | 5.60+ | 50 | .064 | ---- | ---- | 51 | UNCH | 38.50B | 4.35A |
| 3090 | ---- | ---- | 4.90A | ---- | 5.00+ | 50 | .058 | ---- | ---- | 79 | UNCH | | |

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PG47 BULLETIN #223@

E-MINI S&P 500 CALL OPTIONS

Fri, Nov 16, 2018 PG47

TOTAL 217 19052 + 216

E-MINI S&P 500 FIXING PRICE (ESF): Mar19 2737.31

ADDITIONAL E-MINI S&P CALLS

Table with columns: STRIKE, OPEN RANGE, HIGH, LOW, CLOSING RANGE, SETT. PRICE & PT. CHGE., DELTA, EXER CISES, VOLUME TRADES CLEARED, OPEN INTEREST, --CONTRACT-- HIGH, LOW. Rows include EOW3 MINI S&P C and JAN19 EOW3 MINI S&P C.

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E-MINI S&P 500 CALL OPTIONS

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Table with multiple columns containing option prices, strikes, and volumes for E-MINI S&P 500 CALL OPTIONS. Includes a section for FEB19 EOW3 MINI S&P C.

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Table with columns for contract details (e.g., 2825, 2830, 2835) and market data (e.g., 51.50B, 41.25A, 48.10-, 0.70, .365, 1179 UNCH, 84.50B, 29.75A).

Table with columns for contract details (e.g., MDW MID, NOV18, 2585) and market data (e.g., #163.50B, 135.75A, 160.60+, 5.60, .946, 1 UNCH, 163.50B, 108.00).

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PG47 BULLETIN #223@ E-MINI S&P 500 CALL OPTIONS Fri, Nov 16, 2018 PG47

Table with columns for price, bid, ask, volume, and other market data for E-MINI S&P 500 CALL OPTIONS.

Main table with columns for MMW MID, price, bid, ask, volume, and other market data for E-MINI S&P 500 CALL OPTIONS.

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PRELIMINARY

| PG47 | BULLETIN #223@ | E-MINI S&P 500 CALL OPTIONS | | | | | | | | | | Fri, Nov 16, 2018 | | PG47 |
|-------|----------------|-----------------------------|--------|------|---------|------|------|------|------|------|------|-------------------|--------|------|
| 1585 | 8.00 | 8.00 | 5.10A | ---- | 7.30- | 1.20 | .202 | ---- | 11 | 15 | UNCH | 32.80B | 4.00A | |
| 1585 | ---- | ---- | 14.40A | ---- | 18.70- | 1.00 | .314 | ---- | ---- | 23 | UNCH | 120.60B | 11.40A | |
| 1590 | ---- | ---- | 4.30A | ---- | 6.20- | 1.20 | .179 | ---- | ---- | 7 | UNCH | 29.90B | 3.40A | |
| 1590 | ---- | ---- | 13.10A | ---- | 16.90- | 1.10 | .294 | ---- | ---- | 7 | UNCH | 116.40B | 10.40A | |
| 1595 | 5.80 | 6.00 | 3.70A | ---- | 5.20- | 1.20 | .156 | ---- | 6 | 10 - | 3 | 27.10B | 3.00A | |
| 1595 | ---- | ---- | 5.90A | ---- | 8.10- | 1.20 | .198 | ---- | ---- | 3 | UNCH | 12.80B | 4.65A | |
| 1595 | ---- | ---- | 11.80A | ---- | 15.30- | 1.10 | .274 | ---- | ---- | 35 | UNCH | 112.40B | 9.40A | |
| 1600 | 4.90 | 5.10B | 3.15A | ---- | 4.40- | 1.10 | .136 | ---- | 4 | 38 - | 1 | 24.50B | 2.60A | |
| 1600 | ---- | ---- | 10.70A | ---- | 13.80- | 1.10 | .255 | ---- | ---- | 6 | UNCH | 109.10B | 8.40A | |
| 1605 | ---- | ---- | 2.70A | ---- | 3.65- | 1.05 | .117 | ---- | ---- | 4 | UNCH | 22.00B | 2.20A | |
| 1605 | 5.70 | 6.70B | 4.45A | ---- | 6.10- | 1.10 | .159 | ---- | 1 | 1 | UNCH | 10.10B | 3.60A | |
| 1605 | ---- | ---- | 9.60A | ---- | 12.40- | 1.10 | .236 | ---- | ---- | 45 | UNCH | 105.00B | 7.60A | |
| 1610 | ---- | ---- | 8.60A | ---- | 11.10- | 1.10 | .218 | ---- | ---- | 1 | UNCH | 101.00B | 6.80A | |
| 1615 | 5.10 | 5.10 | 1.95A | ---- | 2.55- | 0.85 | .086 | ---- | ---- | 1 | UNCH | 17.50B | 1.65A | |
| 1615 | ---- | ---- | 3.40A | ---- | 4.50- | 1.00 | .125 | ---- | 2 | 2 | UNCH | 7.80B | 2.80A | |
| 1615 | ---- | ---- | 7.70A | ---- | 9.90- | 1.10 | .200 | ---- | ---- | 6 | UNCH | 97.10B | 6.10A | |
| 1620 | ---- | ---- | 6.80A | ---- | 8.80- | 1.10 | .183 | ---- | ---- | 3 | UNCH | 93.20B | 5.50A | |
| 1625 | ---- | ---- | 2.55A | ---- | 3.25- | 0.95 | .096 | ---- | ---- | 30 | UNCH | 5.90B | 2.15A | |
| 1625 | ---- | ---- | 6.10A | ---- | 7.80- | 1.10 | .167 | ---- | ---- | 11 | UNCH | 89.40B | 4.95A | |
| 1630 | ---- | ---- | 1.20A | ---- | 1.45- | 0.65 | .053 | ---- | ---- | 1 | UNCH | 11.80B | 1.10A | |
| 1630 | ---- | ---- | 5.40A | ---- | 6.90- | 1.00 | .152 | ---- | ---- | 42 | UNCH | 85.60B | 4.40A | |
| 1635 | ---- | ---- | 4.80A | ---- | 6.10- | 1.00 | .138 | ---- | ---- | 14 | UNCH | 81.90B | 3.95A | |
| 1640 | ---- | ---- | 4.25A | ---- | 5.40- | 0.90 | .125 | ---- | ---- | 7 | UNCH | 78.20B | 3.55A | |
| 1645 | ---- | ---- | 3.80A | ---- | 4.75- | 0.85 | .113 | ---- | ---- | 1 | UNCH | 74.60B | 3.20A | |
| 1650 | ---- | ---- | 3.35A | ---- | 4.15- | 0.85 | .101 | ---- | ---- | 17 | UNCH | 71.00B | 2.85A | |
| 1660 | ---- | ---- | 2.65A | ---- | 3.20- | 0.75 | .081 | ---- | ---- | 1 | UNCH | 64.10B | 2.30A | |
| 1665 | ---- | ---- | 2.35A | ---- | 2.80- | 0.70 | .073 | ---- | ---- | 13 | UNCH | 61.00B | 2.05A | |
| 1670 | ---- | ---- | 2.10A | ---- | 2.45- | 0.65 | .065 | ---- | ---- | 64 | UNCH | 57.70B | 1.80A | |
| 1680 | ---- | ---- | 1.65A | ---- | 1.90- | 0.50 | .052 | ---- | ---- | 2 | UNCH | 51.40B | 1.45A | |
| 1685 | ---- | ---- | 1.50A | ---- | 1.65- | 0.50 | .046 | ---- | ---- | 35 | UNCH | 48.30B | 1.30A | |
| 1690 | ---- | ---- | 1.35A | ---- | 1.45- | 0.45 | .041 | ---- | ---- | 50 | UNCH | 45.40B | 1.15A | |
| 1695 | ---- | ---- | 1.20A | ---- | 1.30- | 0.40 | .037 | ---- | ---- | 4 | UNCH | 42.50B | 1.05A | |
| 1700 | ---- | ---- | .45A | ---- | .40- | 0.10 | .014 | ---- | ---- | 3 | UNCH | .45B | .40A | |
| 1715 | ---- | ---- | .80A | ---- | .85- | 0.10 | .025 | ---- | ---- | 3 | UNCH | 32.00B | .75A | |
| 1735 | ---- | ---- | .60A | ---- | .55- | 0.15 | .016 | ---- | ---- | 3 | UNCH | 23.10B | .55A | |
| 1755 | ---- | ---- | .45A | ---- | .40- | 0.10 | .012 | ---- | ---- | 3 | UNCH | 16.00B | .35A | |
| 1775 | ---- | ---- | ---- | ---- | .30- | 0.05 | .009 | ---- | ---- | 40 | UNCH | 10.70B | .45A | |
| 1800 | ---- | ---- | ---- | ---- | .20- | 0.05 | .006 | ---- | ---- | 2 | UNCH | 6.20B | .30A | |
| 1860 | ---- | ---- | ---- | ---- | .10- | 0.05 | .002 | ---- | ---- | 113 | UNCH | 1.55B | .60A | |
| 1925 | ---- | ---- | ---- | ---- | .05- | 0.05 | .000 | ---- | ---- | 16 | UNCH | .55B | .50A | |
| 1960 | ---- | ---- | ---- | ---- | .05- | 0.05 | .000 | ---- | ---- | 14 | UNCH | .50B | .40A | |
| TOTAL | | | | | | | | | | 55 | 1204 | | | |
| JAN19 | RTM EOM | | | | | | | | | | | | | |
| 1460 | ---- | 101.40B | 87.90A | ---- | 101.70+ | 1.20 | .725 | ---- | ---- | 16 | UNCH | 298.00B | 69.60A | |
| 1500 | ---- | 72.50B | 61.40A | ---- | 72.70+ | 0.60 | .625 | ---- | ---- | 30 | UNCH | 260.90B | 48.10A | |
| 1515 | ---- | 62.80B | 52.50A | ---- | 62.80+ | 0.30 | .582 | ---- | ---- | 45 | UNCH | 185.10B | 41.30A | |
| 1520 | ---- | 59.60B | 49.60A | ---- | 59.70+ | 0.30 | .567 | ---- | 1 | 2 | UNCH | 243.00B | 39.20A | |
| 1525 | ---- | 56.60B | 46.90A | ---- | 56.60 | NEW | .552 | ---- | 1 | 1 + | 1 | 238.00B | 37.10A | |
| 1535 | ---- | ---- | 41.70A | ---- | 50.60- | 0.10 | .520 | ---- | ---- | 2 | UNCH | 189.00B | 33.20A | |
| 1540 | ---- | ---- | 39.30A | ---- | 47.80- | 0.10 | .504 | ---- | ---- | 50 | UNCH | 224.50B | 31.40A | |
| 1545 | ---- | ---- | 36.90A | ---- | 45.00- | 0.20 | .487 | ---- | 1 | 14 - | 1 | 181.40B | 29.60A | |
| 1550 | ---- | ---- | 34.50A | ---- | 42.40- | 0.20 | .471 | ---- | ---- | 1 | UNCH | 215.70B | 27.90A | |
| 1555 | ---- | ---- | 32.30A | ---- | 39.80- | 0.30 | .454 | ---- | ---- | 4 | UNCH | 180.90B | 26.20A | |
| 1560 | ---- | ---- | 30.20A | ---- | 37.30- | 0.40 | .437 | ---- | ---- | 36 | UNCH | 206.80B | 24.70A | |
| 1570 | ---- | ---- | 26.30A | ---- | 32.50- | 0.60 | .402 | ---- | ---- | 51 | UNCH | 198.00B | 21.30A | |
| 1575 | ---- | ---- | 24.40A | ---- | 30.30- | 0.60 | .385 | ---- | ---- | 15 | UNCH | 193.60B | 19.70A | |
| 1585 | ---- | ---- | 20.90A | ---- | 26.10- | 0.70 | .350 | ---- | ---- | 10 | UNCH | 154.80B | 16.80A | |
| 1590 | ---- | ---- | 19.30A | ---- | 24.20- | 0.70 | .333 | ---- | ---- | 17 | UNCH | 180.50B | 15.50A | |
| 1600 | 17.50 | 20.70B | 16.30A | ---- | 20.60- | 0.80 | .299 | ---- | 1 | 1 | UNCH | 172.30B | 13.10A | |
| 1630 | ---- | ---- | 9.60A | ---- | 12.10- | 0.80 | .205 | ---- | 1 | 4 | UNCH | 147.00B | 7.70A | |
| 1640 | ---- | ---- | 8.00A | ---- | 10.00- | 0.80 | .178 | ---- | ---- | 1 | UNCH | 138.90B | 6.40A | |
| 1650 | ---- | ---- | 6.60A | ---- | 8.20- | 0.80 | .152 | ---- | ---- | 98 | UNCH | 131.00B | 5.30A | |
| 1655 | ---- | ---- | 6.00A | ---- | 7.40- | 0.70 | .141 | ---- | ---- | 88 | UNCH | 98.00B | 4.85A | |
| 1660 | ---- | ---- | 5.50A | ---- | 6.70- | 0.70 | .130 | ---- | ---- | 334 | UNCH | 123.10B | 4.40A | |
| 1665 | ---- | ---- | 4.95A | ---- | 6.00- | 0.70 | .119 | ---- | ---- | 26 | UNCH | 90.60B | 4.00A | |
| 1670 | ---- | ---- | 4.45A | ---- | 5.40- | 0.70 | .109 | ---- | ---- | 52 | UNCH | 115.40B | 3.65A | |
| 1680 | ---- | ---- | 3.65A | ---- | 4.35- | 0.60 | .092 | ---- | ---- | 15 | UNCH | 107.90B | 3.00A | |
| 1685 | ---- | ---- | 3.35A | ---- | 3.90- | 0.55 | .084 | ---- | ---- | 20 | UNCH | 76.20B | 2.70A | |
| 1690 | ---- | ---- | 3.00A | ---- | 3.50- | 0.50 | .076 | ---- | ---- | 40 | UNCH | 100.60B | 2.45A | |
| 1695 | ---- | ---- | 2.70A | ---- | 3.15- | 0.45 | .070 | ---- | ---- | 43 | UNCH | 69.90B | 2.25A | |
| 1700 | ---- | ---- | 2.45A | ---- | 2.80- | 0.45 | .063 | ---- | ---- | 90 | UNCH | 93.40B | 2.00A | |
| 1705 | ---- | ---- | 2.25A | ---- | 2.50- | 0.45 | .057 | ---- | ---- | 29 | UNCH | 63.30B | 1.85A | |
| 1710 | ---- | ---- | 2.00A | ---- | 2.25- | 0.40 | .052 | ---- | ---- | 341 | UNCH | 86.20B | 1.65A | |
| 1750 | ---- | ---- | 1.00A | ---- | 1.00- | 0.20 | .025 | ---- | ---- | 2 | UNCH | 60.70B | .85A | |
| 1780 | ---- | ---- | .65A | ---- | .60- | 0.10 | .015 | ---- | ---- | 216 | UNCH | 44.20B | .60A | |
| 1790 | ---- | ---- | *.55A | ---- | .50- | 0.10 | .013 | ---- | ---- | 1 | UNCH | 39.30B | .55A | |
| 1795 | ---- | ---- | ---- | ---- | .50- | 0.05 | .013 | ---- | ---- | 50 | UNCH | 18.60B | .60A | |
| 1800 | ---- | ---- | ---- | ---- | .45- | 0.05 | .011 | ---- | ---- | 7 | UNCH | 34.60B | .60A | |
| 1805 | ---- | ---- | ---- | ---- | .40- | 0.10 | .010 | ---- | ---- | 69 | UNCH | 15.50B | .55A | |
| 1810 | ---- | ---- | ---- | ---- | .40- | 0.05 | .010 | ---- | ---- | 151 | UNCH | 30.40B | .55A | |
| 1825 | ---- | ---- | ---- | ---- | .35- | 0.05 | .009 | ---- | ---- | 252 | UNCH | 24.60B | .45A | |
| 1830 | ---- | ---- | ---- | ---- | .30- | 0.10 | .007 | ---- | ---- | 186 | UNCH | 22.90B | .40A | |
| 1840 | ---- | ---- | ---- | ---- | .30- | 0.05 | .007 | ---- | ---- | 1 | UNCH | 19.70B | .40A | |
| 1920 | ---- | ---- | ---- | ---- | .15- | 0.05 | .003 | ---- | ---- | 1 | UNCH | 4.80B | .55A | |
| TOTAL | | | | | | | | | | 4 | 2412 | | | |
| FEB19 | RTM EOM | | | | | | | | | | | | | |
| 1525 | ---- | 65.90B | 56.60A | ---- | 66.30+ | 0.60 | .549 | ---- | ---- | 5 | UNCH | 103.00B | 44.40A | |
| 1600 | ---- | ---- | 23.80A | ---- | 29.00- | 0.10 | .337 | ---- | ---- | 1 | UNCH | 54.10B | 19.50A | |
| 1625 | ---- | ---- | 16.70A | ---- | 20.50- | 0.20 | .267 | ---- | ---- | 4 | UNCH | 40.90B | 13.60A | |
| 1670 | ---- | ---- | 8.20A | ---- | 9.90- | 0.30 | .157 | ---- | ---- | 1 | UNCH | 22.40B | 6.70A | |
| 1675 | ---- | ---- | 7.50A | ---- | 9.10- | 0.30 | .147 | ---- | ---- | 12 | UNCH | 20.80B | 6.20A | |
| 1685 | ---- | ---- | 6.40A | ---- | 7.60- | 0.30 | .128 | ---- | ---- | 29 | UNCH | 17.80B | 5.30A | |
| 1700 | ---- | ---- | 4.95A | ---- | 5.80- | 0.30 | .103 | ---- | ---- | 1 | UNCH | 13.80B | 4.20A | |
| 1710 | ---- | ---- | 4.20A | ---- | 4.80- | 0.30 | .088 | ---- | ---- | 1 | UNCH | 11.60B | 3.60A | |
| 1800 | ---- | ---- | ---- | ---- | 1.00- | 0.05 | .022 | ---- | ---- | | | | | |