

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 #159@ E-MINI S&P 500 CALL OPTIONS Fri, Aug 17, 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 contract type, expiration date, and last trade date. Includes contracts like EMINI S&P FUT, EOM EMINI S&P OPT, EOW1 EMINI S&P OPT, etc.

E-MINI S&P OPTIONS ON FUTURES

Table with columns for eligible options series (calls & puts) for trading on Fri, Aug 17. Columns include AUG18, SEP18, OCT18, NOV18, DEC18, JAN19, MAR19, JUN19.

Table with columns for eligible options series (calls & puts) for trading on Fri, Aug 17. Columns include AUG18, SEP18, OCT18, NOV18.

E-MINI S&P FUTURES

Table showing E-MINI S&P Futures with columns for OPEN RANGE, HIGH, LOW, CLOSING RANGE, SETT. PRICE & PT. CHGE, RTH VOLUME, GLOBEX VOLUME, OPEN INTEREST, and --CONTRACT-- HIGH/LOW.

E-MINI S&P 500 FIXING PRICE (ESF): Dec18 2851.01

WK EW-W1 E-MINI S&P CALLS

Large table showing E-MINI S&P 500 Calls with columns for 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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Table with columns for contract symbols (e.g., 2915, 2920, 2925), prices, and volumes. Includes a 'TOTAL' row at the bottom of the main data block.

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PG47 BULLETIN #159@ E-MINI S&P 500 CALL OPTIONS Fri, Aug 17, 2018 PG47

Main data table containing contract details, prices, and volumes for various call options.

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E-MINI S&P 500 CALL OPTIONS

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PG47 BULLETIN #159@

E-MINI S&P 500 CALL OPTIONS

Fri, Aug 17, 2018 PG47

WK EW-W2 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. Includes data for EOW2 MINI S&P C and a TOTAL row.

WK EW-W4 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. Includes data for EOW4 MINI S&P C and a TOTAL row.

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PG47 BULLETIN #159@ E-MINI S&P 500 CALL OPTIONS Fri, Aug 17, 2018 PG47

Table with columns for strike price, open interest, range, high, low, closing, range, delta, exercise, volume, trades, cleared, open interest, contract high, contract low. Includes rows for strikes 2910 through 3450 and a TOTAL row.

E-MINI S&P CALLS

Table with columns for strike price, open interest, range, high, low, closing, range, delta, exercise, volume, trades, cleared, open interest, contract high, contract low. Includes rows for strikes 1670 through 2610.

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PRELIMINARY

PG47 BULLETIN #159@ E-MINI S&P 500 CALL OPTIONS Fri, Aug 17, 2018 PG47

Table with columns for price, quantity, and contract details. Includes rows for various call options and a summary row at the bottom: 48810 343427 + 0170.

E-MINI S&P 500 CALL OPTIONS

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PG47 BULLETIN #159@ E-MINI S&P 500 CALL OPTIONS Fri, Aug 17, 2018 PG47

Table with columns for strike price, bid, ask, volume, and other market data. Includes rows for various call options with prices ranging from 1750 to 2950.

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E-MINI S&P 500 CALL OPTIONS

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E-MINI S&P 500 CALL OPTIONS

Fri, Aug 17, 2018 PG47

2955	----	28.50B	24.25A	----	27.50+	130	.281	----	----	580	UNCH	32.25B	10.75A
2960	25.50	26.75B	22.50A	----	25.70+	120	.269	----	106	1707 +	75	106.25B	9.25A
2965	----	25.00B	21.00A	----	24.00+	110	.257	----	----	404	UNCH	28.50B	9.25A
2970	20.50	23.25B	19.75A	----	22.50+	110	.246	----	2394	2028 +	640	101.00B	8.25A
2975	20.25	21.75B	18.25A	----	20.90+	100	.234	----	3	1024	UNCH	98.50B	8.00
2980	19.00	20.25B	17.00A	----	19.50+	90	.223	----	1	1244	UNCH	95.75B	7.50A
2985	19.00	19.00	15.75A	----	18.10+	80	.212	----	30	621 -	30	22.00B	7.00
2990	15.25	17.50B	14.75A	----	16.90+	80	.201	----	195	1090 +	5	91.00B	6.50A
2995	14.25	16.25B	13.75A	----	15.70+	80	.191	----	20	1138 +	20	19.25B	6.00
3000	13.00	15.00B	12.75A	----	14.60+	70	.181	----	270	5894 -	188	86.25B	5.75
3005	12.00	14.00B	11.75A	----	13.50+	60	.171	----	51	586 -	29	17.00B	5.50A
3010	12.00	13.00B	11.00A	----	12.60+	60	.162	----	164	1220 -	88	81.50B	4.75
3015	10.75	12.00B	10.25A	----	11.70+	50	.153	----	10	717 +	10	14.75B	4.50A
3020	9.50	11.25B	9.50	----	10.90+	50	.145	----	365	1567 +	98	77.25B	4.15
3025	8.75	10.25B	8.75	----	10.20+	50	.138	----	321	15056	UNCH	75.00B	3.90A
3030	----	9.50B	8.25A	----	9.50+	50	.130	----	----	809	UNCH	72.75B	3.65
3035	----	8.75B	7.75A	----	8.80+	40	.122	----	----	361	UNCH	11.25B	3.55A
3040	----	8.25B	7.25A	----	8.20+	40	.116	----	----	1679	UNCH	68.75B	3.15
3045	----	7.50B	6.75A	----	7.60+	30	.109	----	----	345	UNCH	9.75B	3.15A
3050	6.25	7.25	6.25	----	7.10+	30	.103	----	548	3451	UNCH	64.75B	2.80A
3055	5.75	6.50B	5.75	----	6.60+	30	.097	----	2	338	UNCH	8.50B	2.75A
3060	----	5.50A	5.50A	----	6.20+	30	.092	----	----	546	UNCH	61.00B	2.60A
3065	4.95	5.75B	4.95	----	5.80+	30	.086	----	1	275 +	1	7.25B	2.45A
3070	4.85	5.25B	4.70	----	5.50+	40	.082	----	3	1106 -	3	57.25B	2.30A
3075	----	5.00B	4.55A	----	5.20+	45	.078	----	----	1066	UNCH	55.50B	2.20A
3080	----	4.75B	4.25A	----	4.85+	35	.074	----	----	672	UNCH	53.75B	1.95
3085	----	4.45B	4.05A	----	4.55+	35	.070	----	----	121	UNCH	5.75	3.25A
3090	----	4.20B	3.80A	----	4.25+	30	.066	----	----	915	UNCH	50.25B	1.85
3095	----	3.95B	3.60A	----	4.00+	25	.062	----	----	153	UNCH	5.00B	2.95A
3100	----	3.70B	3.40A	----	3.75+	20	.059	----	100	3120 +	54	47.00B	1.70A
3105	3.20	3.50B	3.20	----	3.55+	20	.056	----	1	220	UNCH	4.50B	2.70A
3110	----	3.30B	3.05A	----	3.35+	15	.053	----	----	1103	UNCH	44.00B	1.55A
3115	----	3.15B	2.90A	----	3.15+	10	.050	----	----	47	UNCH	4.00B	2.35
3120	2.80	3.00B	2.80	----	3.00+	10	.048	----	1	332 -	1	41.00B	1.25
3125	----	2.85B	2.65A	----	2.85+	10	.046	----	----	959	UNCH	39.75B	1.30A
3130	----	2.70B	2.55A	----	2.75+	15	.044	----	----	347	UNCH	38.25B	1.25A
3135	----	2.55B	2.40A	----	2.60+	10	.042	----	----	32	UNCH	2.95B	2.10A
3140	----	2.45B	2.30A	----	2.50+	10	.040	----	----	344	UNCH	35.75B	1.05A
3150	2.15	2.20B	2.15	----	2.30+	10	.037	----	297	12138 -	205	33.25B	1.10
3160	----	1.95A	1.95A	----	2.10+	10	.034	----	----	1133	UNCH	31.00B	.95
3170	----	1.80A	1.80A	----	1.95+	10	.031	----	----	248	UNCH	28.75B	1.00
3175	1.75	1.75	1.75	----	1.85+	5	.030	----	2	1473 -	2	27.75B	.75A
3180	----	----	----	----	1.80+	10	.029	----	----	800	UNCH	26.75B	1.05A
3190	----	----	----	----	1.65+	5	.026	----	----	267	UNCH	24.75B	.95A
3200	1.50	1.50	1.50	----	1.55+	5	.025	----	5	2811 +	2	23.00B	.80
3210	----	----	----	----	1.45+	5	.023	----	----	795	UNCH	21.25B	.70
3220	1.30	1.30	1.30	----	1.35+	5	.021	----	47	201 +	31	19.75B	1.05A
3225	1.25	1.25	1.25	----	1.30+	5	.020	----	1	749 +	1	19.00B	.75
3230	----	----	----	----	1.25+	5	.020	----	----	218	UNCH	18.25B	.95A
3240	----	----	----	----	1.15	UNCH	.018	----	----	72	UNCH	17.00	.90A
3250	----	----	----	----	1.10	UNCH	.017	----	----	1537	UNCH	16.00	.45
3260	----	----	----	----	1.05+	5	.016	----	----	165	UNCH	14.75B	.80A
3270	----	----	----	----	.95	UNCH	.015	----	----	92	UNCH	13.75B	.80A
3275	----	----	----	----	.95+	5	.014	----	----	104	UNCH	13.25B	.40
3280	----	----	----	----	.90	UNCH	.014	----	----	304	UNCH	12.75B	.70
3290	----	----	----	----	.85	UNCH	.013	----	----	124	UNCH	11.75B	.55A
3300	0.75	.75	.75	----	.80	UNCH	.012	----	1	798 +	1	11.00B	.55
3310	----	----	----	----	.80+	5	.012	----	----	30	UNCH	10.25B	.55
3320	----	----	----	----	.75+	5	.011	----	----	50	UNCH	9.50B	.45
3325	----	----	----	----	.70+	5	.010	----	----	96	UNCH	9.25	.60A
3330	----	----	----	----	.70+	5	.010	----	----	54	UNCH	8.50B	.55A
3340	----	----	----	----	.65+	5	.010	----	----	44	UNCH	8.25B	.55A
3350	----	----	----	----	.65+	5	.009	----	----	152	UNCH	7.75B	.35
3370	----	----	----	----	.55+	5	.008	----	----	1	UNCH	6.50B	.45A
3375	----	----	----	----	.55+	5	.008	----	----	115	UNCH	6.25B	.45A
3380	----	----	----	----	.55+	5	.008	----	----	2	UNCH	6.00B	.45A
3390	----	----	----	----	.50+	5	.007	----	----	1	UNCH	5.75B	.40A
3400	0.45	.45	.45	----	.50+	5	.007	----	260	1327 -	99	6.00	.35
3420	----	----	----	----	.45+	5	.006	----	----	161	UNCH	4.00B	.35A
3425	----	----	----	----	.40	UNCH	.006	----	----	3	UNCH	4.85B	.20
3450	----	----	----	----	.35	UNCH	.005	----	----	1	UNCH	4.00B	.30A
3475	----	----	----	----	.30	UNCH	.004	----	----	28	UNCH	3.65B	.50
3500	----	----	----	----	.30+	5	.004	----	----	8	UNCH	3.15B	.20
3525	----	----	----	----	.25	UNCH	.003	----	----	165	UNCH	2.65B	.40
3550	----	----	----	----	.25+	5	.003	----	----	190	UNCH	2.35B	.25
3575	----	----	----	----	.20	UNCH	.002	----	----	46	UNCH	3.95	.35A
3600	----	----	----	----	.20	UNCH	.002	----	----	164	UNCH	1.80B	.35A
3650	----	----	----	----	.15	UNCH	.002	----	----	56	UNCH	1.35B	.05
3675	----	----	----	----	.15	UNCH	.002	----	----	1	UNCH	1.15B	.05
3700	----	----	----	----	.15	UNCH	.001	----	----	41	UNCH	1.25	.05
3750	----	----	----	----	.10	UNCH	.001	----	----	31	UNCH	.75B	.05
3800	----	----	----	----	.10	UNCH	.001	----	----	2	UNCH	.45B	.05
3825	----	----	----	----	.10	UNCH	.001	----	----	10	UNCH	.95	.15A
TOTAL	----	----	----	----	.10	UNCH	.001	----	12610	189704 +	5975	----	----
MAR19	EMINI S&P CALL												
1800	----	----	----	----	1062.90+	730	.981	----	----	747	UNCH	982.00B	921.75A
1825	----	----	----	----	1038.20+	730	.980	----	----	5013	UNCH	992.25B	800.00
1850	----	----	----	----	1013.50+	730	.978	----	----	10	UNCH	967.50B	873.50A
1900	----	----	----	----	964.20+	730	.974	----	----	1420	UNCH	918.75B	916.50A
1975	----	----	----	----	890.80+	730	.967	----	----	4605	UNCH	845.25B	754.50A
2040	----	830.50B	814.00A	----	827.50+	700	.960	----	----	1000	UNCH	836.00B	577.75A
2080	----	791.75B	775.25A	----	788.80+	700	.955	----	----	5570	UNCH	797.00B	544.00A
2110	----	762.75B	746.25A	----	759.80+	700	.951	----	----	4	UNCH	768.00B	519.50A
2130	----	743.25B	727.00A	----	740.60+	700	.948	----	----	7750	UNCH	748.75B	502.50A
2180	----	695.75B	679.25A	----	692.70+	680	.939	----	----	5	UNCH	700.25B	462.00A
2190	----	685.75B	669.75A	----	683.10+	670	.937	----	----	1100	UNCH	691.00B	454.00A
2200	----	677.25B	659.50A	----	673.60+	670	.935	----	----	1370	UNCH	682.50B	446.50A
2210	----	667.75B	650.00A	----	664.10+	670	.933	----	----	1178	UNCH	672.75B	438.75A
2220	----	658.25B	640.50A	----	654.60+	670	.931	----	----	1012	UNCH	663.25B	430.75A
2225	----	653.50B	635.75A	----	649.90+	670	.930	----	----	3	UNCH	658.25B	426.50A
2230	----	648.75B	631.00A	----	645.20+	680	.929	----	----	3802	UNCH	653.75B	422.75A
2240	----	639.25B	621.75A	----	635.70+	670	.927	----	----	6	UNCH	644.25B	415.00A
2250	----	629.75B	612.25A	----	626.20+	660	.925	----	----	1916	UNCH	634.75B	407.25A
2260	----	620.25B	603.00A	----	6								

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Table with columns for price, bid, ask, volume, and other market data for E-MINI S&P 500 CALL OPTIONS. Includes a 'TOTAL' row at the bottom of the main section.

Table with columns for price, bid, ask, volume, and other market data for FMTNT S&P CALL. Includes a 'TOTAL' row at the bottom of the section.

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Table with columns for price, bid, ask, volume, and other market data for E-MINI S&P 500 CALL OPTIONS. Includes a TOTAL row at the bottom of the main section.

Table with columns for price, bid, ask, volume, and other market data for AUG18 E-MINI S&P 500 CALL OPTIONS.

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Table with columns for contract numbers (e.g., 2595, 2600, 2605), bid/ask prices, and volume. Includes a 'TOTAL' row and a 'SEP18' section at the bottom.

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PG47	BULLETIN #159@	E-MINI S&P 500 CALL OPTIONS										Fri, Aug 17, 2018	PG47
2380	----	474.75B	463.25A	----	477.70+	720	.977	----	----	5	UNCH	483.50B	265.25A
2400	----	460.00B	443.50A	----	457.90+	710	.975	----	----	2	UNCH	466.00B	249.00A
2500	----	362.50B	344.50A	----	359.30+	680	.960	----	----	561	UNCH	368.75B	171.75A
2540	----	323.25B	305.25A	----	320.10+	660	.951	----	----	1	UNCH	329.50B	143.50A
2545	----	318.50B	300.75A	----	315.20+	660	.950	----	----	1	UNCH	324.75B	195.50A
2555	----	308.75B	290.75A	----	305.40+	650	.947	----	----	1	UNCH	315.00B	187.25A
2560	----	303.75B	286.25A	----	300.60+	660	.945	----	----	1	UNCH	310.00B	130.00A
2570	----	294.00B	276.25A	----	290.90+	660	.942	----	----	1	UNCH	300.25B	123.50A
2575	----	289.25B	271.50A	----	286.00+	650	.940	----	----	26	UNCH	295.50B	120.25A
2580	----	284.25B	266.75A	----	281.20+	660	.938	----	----	32	UNCH	290.75B	117.00A
2600	----	265.00B	247.50A	----	261.80+	650	.930	----	----	93	UNCH	271.25B	104.50A
2610	----	255.25B	238.00A	----	252.10+	640	.926	----	----	6	UNCH	261.50B	98.50A
2620	----	245.75B	228.50A	----	242.40+	630	.922	----	----	15	UNCH	252.00B	92.75A
2625	----	240.75B	223.75A	----	237.60+	630	.920	----	----	2785	UNCH	247.00B	89.75A
2630	----	236.00B	218.75A	----	232.70+	610	.917	----	----	109	UNCH	242.50B	87.00A
2640	----	226.50B	209.25A	----	223.10+	610	.912	----	----	2	UNCH	232.75B	81.50A
2645	----	221.75B	204.50A	----	218.30+	600	.909	----	----	1	UNCH	228.00B	117.00A
2650	----	217.00B	199.75A	----	213.60+	610	.906	----	----	57	UNCH	223.25B	75.75A
2655	----	212.00B	195.00A	----	208.80+	600	.903	----	----	2	UNCH	218.25B	109.75A
2660	----	207.50B	190.50A	----	204.10+	610	.899	----	----	195	UNCH	213.75B	70.75A
2665	----	202.75B	185.75A	----	199.40+	610	.896	----	----	2	UNCH	209.00B	102.75A
2670	----	198.00B	181.00A	----	194.70+	610	.892	----	----	59	UNCH	204.25B	65.50A
2675	----	193.25B	176.50A	----	189.90+	600	.888	----	----	230	UNCH	199.50B	63.25A
2680	----	188.50B	171.75A	----	185.20+	600	.884	----	----	22	UNCH	195.00B	60.50A
2685	----	184.00B	167.25A	----	180.40+	580	.881	----	----	3	UNCH	190.25B	89.00A
2690	----	179.25B	162.50A	----	175.70+	570	.877	----	----	205	UNCH	185.50B	56.00A
2695	----	174.50B	158.00A	----	170.90+	550	.873	----	----	1	UNCH	180.75B	82.25A
2700	----	169.75B	153.00A	----	166.20+	540	.868	----	----	222	UNCH	176.00B	51.75A
2710	----	160.50B	144.00A	----	156.90+	530	.858	----	----	35	UNCH	166.75B	47.50A
2715	----	155.75B	139.50A	----	152.30+	530	.853	----	----	58	UNCH	162.25B	45.50A
2720	----	151.25B	135.00A	----	147.70+	530	.847	----	----	17	UNCH	158.00B	43.50A
2725	----	146.75B	130.75A	----	143.10+	520	.841	----	----	178	UNCH	153.50B	41.50A
2730	----	142.25B	126.25A	----	138.50+	510	.835	----	----	175	UNCH	148.75B	39.75A
2735	----	137.50B	121.75A	----	134.00+	510	.828	----	----	40	UNCH	144.25B	38.00A
2740	----	133.00B	117.50A	----	129.50+	510	.821	----	----	233	UNCH	139.75B	36.25A
2745	124.75	128.50B	113.00A	----	125.00+	510	.813	----	1	29	UNCH	135.25B	34.50A
2750	----	124.00B	108.75A	----	120.50+	500	.806	----	5849	UNCH	130.75B	32.75A	
2755	----	119.50B	104.25A	----	116.10+	490	.798	----	74	UNCH	126.25B	46.75A	
2760	----	115.00B	100.00A	----	111.70+	480	.789	----	79	UNCH	122.00B	29.75A	
2765	102.25	111.00B	96.00A	----	107.30+	470	.781	----	1	42 +	1	117.50B	41.75A
2770	----	106.25B	91.75A	----	103.00+	470	.771	----	1	213 +	1	113.00B	26.75A
2775	----	102.25B	87.50A	----	98.70+	460	.761	----	177	UNCH	108.75B	25.50A	
2780	----	97.75B	83.50A	----	94.50+	460	.750	----	70	UNCH	104.50B	24.00A	
2785	----	93.50B	79.25A	----	90.20+	440	.739	----	125	UNCH	100.25B	32.50A	
2790	76.75	89.25B	75.50A	----	86.00+	440	.728	----	1	328 -	1	96.00B	21.50A
2795	----	85.00B	71.50A	----	81.90+	440	.716	----	1008	UNCH	91.75B	28.25A	
2800	----	80.75B	67.50A	----	77.70+	410	.703	----	6867	UNCH	87.75B	19.25A	
2805	64.75	77.00B	63.75A	----	73.70+	400	.690	----	2	118	UNCH	83.50B	24.50A
2810	61.00	73.00B	60.00A	----	69.70+	380	.675	----	4	762	UNCH	79.50B	17.25A
2815	56.75	69.00B	56.50A	----	65.80+	370	.660	----	5	392 -	2	75.50B	16.25A
2820	61.50	65.00B	53.00A	----	61.90+	350	.645	----	1	593	UNCH	71.75B	15.25A
2825	49.75	61.25B	49.50A	----	58.20+	350	.628	----	5	985 +	4	67.75B	14.50A
2830	54.25	57.50B	46.00A	----	54.40+	320	.611	----	4	448	UNCH	64.00B	13.50A
2835	----	53.75B	42.75A	----	50.80+	310	.593	----	----	419	UNCH	60.25B	15.00A
2840	----	50.00B	39.50A	----	47.30+	300	.574	----	395	UNCH	56.75B	12.00A	
2845	----	46.25B	36.50A	----	43.80+	270	.554	----	77	385 +	2	53.00B	12.50A
2850	----	43.00B	33.50A	----	40.50+	250	.533	----	50	1455	UNCH	49.75B	10.75A
2855	32.75	39.75B	30.75A	----	37.20+	230	.512	----	90	1046 +	79	46.25B	10.50A
2860	----	36.50B	28.00A	----	34.10+	210	.489	----	1	756	UNCH	43.50B	9.50A
2865	25.50	33.50B	25.25A	----	31.10+	190	.466	----	31	871 +	29	40.00B	8.50A
2870	30.00	30.50B	23.00A	----	28.30+	180	.442	----	41	12774 +	17	37.25B	7.75A
2875	23.75	27.75B	20.75A	----	25.60+	160	.418	----	19	1135	UNCH	34.50B	7.25A
2880	20.00	25.00B	18.50A	----	23.10+	150	.393	----	131	509 -	43	31.75B	6.50A
2885	17.75	22.50B	16.50A	----	20.80+	140	.368	----	98	534 +	65	29.00B	6.00A
2890	15.25	20.25B	14.75A	----	18.70+	130	.344	----	335	884 +	10	28.25B	5.25A
2895	13.75	18.25B	13.25A	----	16.70+	120	.320	----	30	412 -	8	24.25B	4.85A
2900	12.00	16.25B	11.75A	----	14.90+	100	.296	----	73	1458 +	66	25.75B	4.35A
2905	10.75	14.25B	10.50	----	13.20+	80	.272	----	4	780	UNCH	20.00B	3.85A
2910	9.75	12.75B	9.25A	----	11.70+	70	.250	----	80	912 +	50	23.50B	3.60A
2915	9.75	11.25B	8.25A	----	10.40+	60	.229	----	2	861	UNCH	17.25B	3.30A
2920	7.25	10.00B	7.25	----	9.20+	50	.209	----	281	2100 +	11	21.25B	3.00A
2925	7.00	8.75B	6.50A	----	8.20+	50	.191	----	450	1060 +	17	20.25B	2.75A
2930	6.25	7.75B	5.75	----	7.30+	50	.174	----	155	924 +	46	19.25B	2.45A
2935	5.50	7.00	5.25A	----	6.50+	40	.158	----	12	340 +	11	11.00B	2.35A
2940	4.50	6.00B	4.50	----	5.80+	40	.143	----	123	1378 +	21	17.50B	2.20A
2945	5.25	5.50B	4.05A	----	5.20+	35	.131	----	1	259	UNCH	9.00B	2.05A
2950	4.45	4.90B	3.65A	----	4.65+	30	.119	----	367	3900 -	70	15.75B	1.90A
2955	----	4.35B	3.30A	----	4.20+	30	.108	----	----	433	UNCH	7.50B	1.80A
2960	3.00	3.90B	3.00	----	3.80+	25	.099	----	54	632 +	51	14.25B	1.65A
2965	3.05	3.50B	2.70A	----	3.45+	25	.090	----	17	179 +	17	6.00B	1.55A
2970	3.00	3.20	2.50A	----	3.15+	25	.083	----	42	950 -	22	12.75B	1.45A
2975	2.80	2.85B	2.30A	----	2.85+	20	.075	----	39	198 -	7	12.25B	1.35A
2980	----	2.60B	2.10A	----	2.60+	20	.069	----	80	581 +	8	11.50B	1.30A
2985	----	2.35B	1.95A	----	2.40+	20	.064	----	----	2104	UNCH	4.25	1.20A
2990	----	2.15B	1.80A	----	2.20+	15	.059	----	----	528	UNCH	10.50B	1.15A
2995	----	2.00B	1.65A	----	2.00+	15	.054	----	----	313	UNCH	3.55B	1.10A
3000	1.65	1.80B	1.50A	----	1.85+	15	.049	----	164	5428 +	1	9.25B	1.05A
3005	1.35	1.65B	1.35	----	1.70+	10	.046	----	18	819	UNCH	3.00B	1.00A
3010	1.50	1.50	1.30A	----	1.60+	15	.043	----	26	373 +	26	8.50B	.95A
3015	----	1.40B	1.20A	----	1.45+	10	.039	----	----	127	UNCH	2.55B	.90A
3020	----	1.30B	1.10A	----	1.35+	10	.036	----	----	755	UNCH	7.50B	.85A
3025	----	1.00A	1.00A	----	1.25+	5	.033	----	----	6151	UNCH	7.00B	.80A
3030	1.10	1.10	.95A	----	1.15+	5	.031	----	6	203 -	3	6.75B	.80A
3035	----	1.05B	.85A	----	1.05+	5	.028	----	----	466	UNCH	2.15B	.70A
3040	----	----	.80A	----	1.00+	5	.026	----	----	401	UNCH	6.00B	.65A
3045	0.90	.90	.75A	----	.90	UNCH	.024	----	24	317 +	24	1.65B	.65A
3050	----	----	.70A	----	.85	UNCH	.022	----	2	235	UNCH	5.50B	.60A
3055	----	----	.65A	----	.80	UNCH	.021	----	----				

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PG47 BULLETIN #159@ E-MINI S&P 500 CALL OPTIONS Fri, Aug 17, 2018 PG47

Table with columns for contract symbols (e.g., 2665, 2670, 2675), bid prices, ask prices, and other market data. Includes a 'TOTAL' row at the bottom of the main section.

Table for NOV18 contracts, listing various call options with their respective prices and market data.

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E-MINI S&P 500 CALL OPTIONS

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Table with columns: PG47, BULLETIN #159@, E-MINI S&P 500 CALL OPTIONS, Fri, Aug 17, 2018, PG47. Contains multiple rows of call option data including strike prices, quantities, and prices.

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PG47 BULLETIN #159@

E-MINI S&P 500 CALL OPTIONS

Fri, Aug 17, 2018 PG47

Table with columns: TOTAL, JAN19, 2610, 2830, 2840, 2850, 2860, 2870, 2880, 2890, 2900, 2910, 2920, 2925, 2940, 2950, 2960, 2970, 2975, 2980, 3000, 3025, 3050, 3060, 3070, 3075, 3090, 3100, 3125, 3150, 3200, 3240, 3350. Rows contain price and volume data.

E-MINI S&P 500 FIXING PRICE (ESF): Dec18 2851.01

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, INTEREST, --CONTRACT-- HIGH, LOW. Rows include data for AUG18 and OCT18.



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PG47 BULLETIN #159@ E-MINI S&P 500 CALL OPTIONS Fri, Aug 17, 2018 PG47

Table with columns for contract symbols, prices, and volumes. Includes rows for various call options and a TOTAL row.

Table with columns for contract symbols, prices, and volumes. Includes rows for EOW3 MINI S&P C and various call options.

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PG47 BULLETIN #159@ E-MINI S&P 500 CALL OPTIONS Fri, Aug 17, 2018 PG47

Table with columns for contract numbers (3075-3500), bid/ask prices, and volume. Includes a TOTAL row at the bottom of the section.

Table with columns for contract numbers (MDW MID AUG18 2730-2945), bid/ask prices, and volume. Includes a TOTAL row at the bottom of the section.

Table with columns for contract numbers (MMW MID AUG18 100-2945), bid/ask prices, and volume. Includes a TOTAL row at the bottom of the section.

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PG47 BULLETIN #159@ E-MINI S&P 500 CALL OPTIONS Fri, Aug 17, 2018 PG47

Table with columns for contract symbols (e.g., 2950, 2955, 2960), bid/ask prices, and volume. Includes a TOTAL row at the bottom.

Table for AUG18 RTM EOM contracts. Columns include contract symbols, bid/ask prices, and volume. Includes a TOTAL row at the bottom.

Table for SEP18 RTM EOM contracts. Columns include contract symbols, bid/ask prices, and volume. Includes a TOTAL row at the bottom.

Table for OCT18 RTM EOM contracts. Columns include contract symbols, bid/ask prices, and volume. Includes a TOTAL row at the bottom.

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PG47	BULLETIN #159@	E-MINI S&P 500 CALL OPTIONS										Fri, Aug 17, 2018		PG47
1790	----	3.85B	3.25A	----	4.10+	0.30	.116	----	----	53	UNCH	20.90B	2.85A	
1795	----	----	2.85A	----	3.55+	0.25	.103	----	----	66	UNCH	19.30B	2.55A	
1800	----	----	2.50A	----	3.10+	0.20	.092	----	----	22	UNCH	17.80B	2.25A	
1805	----	----	2.15A	----	2.70+	0.15	.081	----	----	75	UNCH	16.40B	2.00A	
1810	----	----	1.95A	----	2.40+	0.15	.073	----	----	3	UNCH	15.10B	1.80A	
1820	----	----	1.55A	----	1.90+	0.10	.059	----	----	24	UNCH	12.70B	1.45A	
1830	----	----	1.25A	----	1.50+	0.05	.047	----	----	1	UNCH	10.60B	1.20A	
1840	----	----	1.05A	----	1.25+	0.05	.040	----	----	70	UNCH	8.80B	1.00A	
1850	----	----	.85A	----	1.05+	0.05	.033	----	----	53	UNCH	7.30B	.85A	
1855	----	----	.80A	----	.95	UNCH	.030	----	----	14	UNCH	6.60B	.80A	
1860	----	----	.75A	----	.90+	0.05	.028	----	----	13	UNCH	6.00B	.75A	
1865	----	----	.70A	----	.80	UNCH	.025	----	----	74	UNCH	5.50B	.70A	
1870	----	----	.65A	----	.75	UNCH	.024	----	----	12	UNCH	5.00B	.65A	
1875	----	----	.60A	----	.70	UNCH	.022	----	----	5	UNCH	4.50B	.60A	
1880	----	----	*.55A	----	.65	UNCH	.020	----	----	5	UNCH	4.10B	.55A	
1885	----	----	.55A	----	.60	UNCH	.019	----	----	4	UNCH	1.95B	.55A	
1925	----	----	*.30A	----	.35	UNCH	.010	----	----	19	UNCH	1.80B	.30A	
1930	----	----	.30A	----	.35	UNCH	.010	----	----	48	UNCH	1.65B	.30A	
1940	----	----	*.25A	----	.30	UNCH	.009	----	----	72	UNCH	1.35B	.25A	
1950	----	----	.25A	----	.30	UNCH	.008	----	----	14	UNCH	1.15B	.25	
TOTAL										2		1302 +	1	
NOV18	RTM FOM													
1125	----	----	----	----	574.60+	7.90	.989	----	----	48	UNCH	580.40B	532.90A	
1150	----	----	----	----	549.90+	7.90	.987	----	----	7	UNCH	557.40B	508.30A	
1175	----	----	----	----	525.20+	7.90	.985	----	----	6	UNCH	536.90B	483.90A	
1200	----	----	----	----	500.60+	8.00	.983	----	----	1	UNCH	512.30B	459.30A	
1700	----	45.00B	38.70A	----	45.60+	3.10	.517	----	----	27	UNCH	61.50B	33.00A	
1705	----	42.10B	36.10A	----	42.60+	2.90	.499	----	----	10	UNCH	58.40B	30.70A	
1715	----	36.50B	31.10A	----	37.00+	2.60	.462	----	----	20	UNCH	52.30B	26.30A	
1740	----	24.30B	20.40A	----	24.70+	1.80	.364	----	----	1	UNCH	38.50B	17.20A	
1750	----	20.20B	16.90A	----	20.60+	1.50	.324	----	----	41	UNCH	33.50B	14.30A	
1765	----	15.00B	12.50A	----	15.40+	1.20	.267	----	----	16	UNCH	26.80B	10.60A	
1785	----	9.60B	8.10A	----	9.90+	0.70	.195	----	----	34	UNCH	19.30B	7.00A	
1800	----	6.60B	5.70A	----	7.00+	0.50	.150	----	----	30	UNCH	14.60B	5.00A	
1845	----	----	2.15A	----	2.50+	0.15	.064	----	----	30	UNCH	5.50B	1.85A	
1850	----	----	2.00A	----	2.25+	0.10	.058	----	----	88	UNCH	4.90B	1.65A	
1860	----	----	1.65A	----	1.85+	0.10	.048	----	----	15	UNCH	3.80B	1.40A	
1865	----	----	1.50A	----	1.70+	0.10	.045	----	----	15	UNCH	3.35B	1.30A	
TOTAL										0		389		