



FINAL

PG48		BULLETIN #123@		E-MINI S&P 500 PUT OPTIONS								wed, Jun 27, 2018				PG48	
2520	0.80	2.10B	*.80	----	2.05+	70	.035	----	128	284 -	17	11.75B	.80				
2525	0.90	2.20	*.80A	----	2.15+	75	.037	----	1038	951 -	329	15.25B	.80A				
2530	1.25	2.30B	*.85A	----	2.25+	75	.040	----	123	511 -	8	12.75B	.85A				
2535	2.45	2.45	*.90A	----	2.35+	80	.042	----	106	315 +	72	13.00B	.90A				
2540	2.60	2.70	*.90A	----	2.50+	90	.045	----	101	496 +	95	13.50B	.90A				
2545	2.70	2.75B	*.95A	----	2.60+	90	.047	----	28	746 +	4	14.00B	.95A				
2550	1.70	3.05	*1.00A	----	2.75+	100	.051	----	521	894 -	254	17.75B	1.00A				
2555	1.25	3.05B	*1.05A	----	2.95+	110	.055	----	50	222 +	50	15.00B	1.05A				
2560	3.25	3.25	*1.10A	----	3.10+	115	.058	----	121	808 -	54	19.00B	1.10A				
2565	1.25	3.45B	*1.15A	----	3.30+	125	.062	----	192	548 +	59	18.75	1.15A				
2570	3.60	3.75	*1.20A	----	3.50+	135	.067	----	122	1282 +	102	16.50B	1.20A				
2575	1.85	3.85	*1.25	----	3.75+	150	.072	----	1173	2016 +	559	21.00B	1.25				
2580	2.95	4.10B	*1.30A	----	4.00+	165	.077	----	31	400 -	4	21.75B	1.30A				
2585	1.45	4.35B	*1.35A	----	4.25+	175	.083	----	197	439 -	1	18.50B	1.35A				
2590	1.55	4.85	*1.45A	----	4.55+	190	.089	----	510	864 +	335	23.25B	1.45A				
2595	2.30	4.95B	*1.50A	----	4.85+	205	.096	----	181	791 -	60	19.75B	1.50A				
2600	3.30	5.25B	*1.60A	----	5.20+	225	.103	----	592	3577 +	4	25.00B	1.60A				
2605	5.00	5.50B	*1.70A	----	5.50+	235	.111	----	186	968 -	42	21.25B	1.70A				
2610	4.50	6.00	*1.80A	----	5.90+	255	.119	----	151	2604 +	125	22.25B	1.80A				
2615	2.75	6.50B	*1.90A	----	6.40+	280	.129	----	2597	2204 +	1654	23.00B	1.90A				
2620	6.75	7.00	*2.00	----	6.90+	305	.140	----	657	1338 +	164	29.00B	2.00				
2625	5.75	8.25	*2.20A	----	7.40+	330	.151	----	260	1053 +	83	24.75B	2.20A				
2630	4.05	8.00B	*2.35A	----	8.00+	360	.163	----	360	1047	UNCH	25.75B	2.35A				
2635	3.90	8.50B	*2.50A	----	8.70+	400	.177	----	368	349 -	27	27.00B	2.50A				
2640	4.15	10.25	2.70A	----	9.40+	440	.192	----	985	1098 +	253	28.00B	2.70A				
2645	3.70	10.00B	2.90A	----	10.20+	480	.207	----	579	392 -	182	29.25B	2.80A				
2650	6.50	11.50	3.15	----	11.10+	530	.225	----	2185	3902 -	19	30.50B	2.90A				
2655	4.60	11.75B	3.40A	----	12.00+	570	.242	----	325	1310 +	49	31.75B	3.05A				
2660	8.00	12.75B	3.70A	----	13.00+	620	.262	----	469	2832 -	52	33.00B	3.20A				
2665	10.50	13.75	4.00A	----	14.00+	660	.282	----	2787	1817 +	689	34.50B	3.35A				
2670	8.75	15.50	4.35A	----	15.20+	710	.304	----	868	1429 +	115	36.00B	3.50A				
2675	9.00	17.50	4.75A	----	16.40+	760	.327	----	1812	2591 +	567	37.50B	3.65A				
2680	10.50	18.50	5.25A	----	17.70+	810	.351	----	812	1091 -	82	39.00B	3.85A				
2685	6.75	20.25	5.75A	----	19.20+	880	.377	----	308	610 +	116	40.75B	4.10A				
2690	15.50	21.75	6.25A	----	20.70+	940	.405	----	799	1085 +	336	42.50B	4.35A				
2695	13.00	22.25B	7.00A	----	22.40+	1010	.434	----	450	577 +	65	44.50B	4.60A				
2700	15.50	25.00	7.50	----	24.20+	1080	.464	----	3659	3922 -	225	54.00B	4.80				
2705	14.75	27.75	8.25A	----	26.20+	1160	.496	----	715	611 -	241	48.50B	5.25A				
2710	16.00	28.00B	9.25A	----	28.30+	1240	.528	----	1148	1945 +	187	50.75B	5.75A				
2715	16.50	30.25B	10.00A	----	30.50+	1310	.562	----	622	1394 -	238	53.00B	6.00A				
2720	18.25	33.75	11.00A	----	32.90+	1390	.597	----	544	1639 +	91	55.50B	6.25				
2725	22.00	35.25B	12.00	----	35.50+	1480	.632	----	400	1750 +	151	58.00B	7.00A				
2730	21.00	38.00B	13.25	----	38.30+	1560	.668	----	683	1190 +	128	60.50B	7.50A				
2735	36.00	41.00B	14.75A	----	41.30+	1650	.703	----	210	648 +	15	63.25B	8.25A				
2740	32.00	44.00B	16.50A	----	44.40+	1730	.739	----	1405	1228 +	70	66.25B	8.75A				
2745	45.75	47.50B	18.25A	----	47.80+	1820	.773	----	130	562 +	1	69.25B	9.50A				
2750	35.25	51.00B	20.25	----	51.40+	1900	.804	----	239	940 +	44	72.50B	10.25A				
2755	25.00	54.75B	22.25A	----	55.20+	1980	.834	----	3	265 -	1	75.75B	11.25A				
2760	28.00	58.75B	24.75A	----	59.10+	2050	.862	----	13	537 -	1	79.25B	12.25A				
2765	33.50	62.00B	27.50A	----	63.20+	2100	.887	----	8	1068 +	7	71.50B	13.50A				
2770	37.50	66.25B	30.50A	----	67.50+	2160	.909	----	3	738 +	1	75.00B	14.75A				
2775	46.50	72.00	33.75A	----	71.90+	2200	.928	----	11	1177	UNCH	78.75B	16.25A				
2780	74.50	75.25B	37.25A	----	76.50+	2250	.944	----	52	1549 -	4	82.50B	18.00A				
2785	48.75	79.75B	41.25A	----	81.10+	2270	.956	----	10	208 +	2	86.75B	20.00A				
2790	----	84.50B	46.50A	----	85.80+	2290	.968	----	13	149 +	3	90.00B	22.00				
2795	----	89.50B	51.00A	----	90.60+	2300	.976	----	----	21	UNCH	94.25B	24.00A				
2800	----	94.25B	56.00A	----	95.50+	2320	.982	----	----	20	UNCH	98.75B	26.25				
2805	----	98.25B	60.75A	----	100.40+	2330	.986	----	----	11	UNCH	103.00B	28.75A				
2810	----	101.75B	65.25A	----	105.30+	2330	.988	----	----	30	UNCH	107.50B	31.25A				
2815	----	106.75B	71.75A	----	110.20+	2330	.993	----	----	2	UNCH	110.00B	34.00A				
2820	----	111.75B	----	----	115.20+	2340	.993	----	----	19	UNCH	114.25B	37.00A				
2825	----	116.75B	----	----	120.10+	2340	.995	----	----	7	UNCH	119.00B	40.00				
2830	----	121.50B	----	----	125.10+	2340	.997	----	----	3	UNCH	123.75B	43.75A				
2835	----	125.50B	----	----	130.10+	2350	.998	----	----	4	UNCH	128.50B	47.25A				
TOTAL									53815	120831 +	7875						
AUG18		EOW1	MINI	S&P	P												
1425	----	----	----	----	.25+	5	.001	----	----	120	UNCH	.25	.20A				
1475	----	----	.20A	----	.25	UNCH	.001	----	----	120	UNCH	.30	.20A				
1700	----	----	.40A	----	.55+	10	.003	----	----	9	UNCH	.70	.40A				
1780	----	.60B	*.50A	----	.70+	15	.004	----	----	149	UNCH	.60	.50A				
1810	----	.70B	.55A	----	.75+	15	.004	----	----	1	UNCH	.85	.55A				
1820	----	.70B	*.55A	----	.75+	10	.004	----	----	1	UNCH	.75	.55A				
1830	----	.75B	*.55A	----	.80+	15	.005	----	----	2	UNCH	.90	.55A				
1840	----	.75B	*.55A	----	.80+	10	.005	----	----	1	UNCH	1.15	.55A				
1850	----	.80B	*.60A	----	.85+	15	.005	----	----	1	UNCH	.80	.60A				
1860	----	.80B	*.60A	----	.85+	15	.005	----	----	9	UNCH	.80	.60A				
1880	----	.85B	*.65A	----	.95+	20	.006	----	----								



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2440	----			8.25B	*4.80A	----			8.50+	240	.082	----	----		4	UNCH	10.50B	4.80A									
2445	8.00			8.50B	*4.90A	----			8.70+	240	.085	----	94	144 +	94	8.50B	4.90A										
2450	6.25			8.75B	*5.00A	----			8.90+	250	.087	----	78	54 +	44	8.75B	5.00A										
2455	8.25			9.00B	*5.25A	----			9.20+	260	.090	----	50	100 +	50	11.25B	5.25A										
2460	8.25			9.25B	*5.50A	----			9.40+	NEW	.093	----	50	50 +	50	9.25B	5.50A										
2465	6.50			9.50B	*5.50A	----			9.70+	280	.096	----	58	177 +	58	12.00B	5.50A										
2470	8.25			9.75B	*5.75A	----			10.00+	NEW	.099	----	2	2 +	2	9.75B	5.75A										
2475	7.75			10.00B	*5.75A	----			10.20+	290	.102	----	60	113 +	60	11.00	5.75A										
2480	8.00			10.50	*6.00A	----			10.50+	300	.105	----	2	30 +	2	12.75B	6.00A										
2485	9.25			10.75B	*6.25A	----			10.80+	300	.108	----	54	301 +	51	13.25B	6.25A										
2490	7.25			11.00B	*6.25A	----			11.10+	310	.112	----	156	168 +	143	13.50B	6.25A										
2495	----			11.50B	*6.50A	----			11.50+	330	.116	----	----	100	UNCH	14.00B	6.50A										
2500	11.50			11.75B	*6.75A	----			11.80+	330	.119	----	14	148 +	1	14.25	6.75A										
2505	----			12.25B	*7.00A	----			12.20+	340	.123	----	----	20	UNCH	15.25	7.00A										
2510	----			12.50B	*7.00A	----			12.50+	340	.127	----	----	200	UNCH	15.00B	7.00A										
2515	----			#13.00B	*7.25A	----			12.90+	350	.131	----	----	1	UNCH	13.00B	7.25A										
2520	----			13.25B	*7.50A	----			13.30+	360	.136	----	----	4	UNCH	16.00	7.50A										
2525	----			13.75B	*7.75A	----			13.70+	370	.140	----	1	86 +	1	16.25	7.75A										
2530	9.25			#14.00B	*8.00A	----			14.10+	NEW	.145	----	2	1 +	1	14.00B	8.00A										
2535	13.25			14.50B	*8.25A	----			14.60+	400	.150	----	1	184	UNCH	17.25B	8.25A										
2540	9.75			#15.00B	*8.50A	----			15.10+	NEW	.155	----	72	51 +	51	15.00B	8.50A										
2545	----			#15.50B	*8.75A	----			15.50+	420	.160	----	----	10	UNCH	15.50B	8.75A										
2550	11.75			16.00B	*9.00A	----			16.00+	430	.166	----	30	35 +	30	18.75B	9.00A										
2555	12.25			#16.50B	*9.25A	----			16.60+	450	.172	----	22	71 +	21	16.50B	9.25A										
2560	----			17.00B	*9.50A	----			17.10+	460	.177	----	----	200	UNCH	20.00	9.50A										
2565	----			17.50B	*10.00A	----			17.70+	480	.184	----	----	47	UNCH	20.00	10.00A										
2570	16.75			18.25B	*10.25A	----			18.30+	500	.190	----	20	221 +	20	20.00	10.25A										
2575	14.00			18.75B	*10.50A	----			18.90+	510	.197	----	102	104 +	102	20.50B	10.50A										
2580	14.75			19.25	*11.00A	----			19.50+	530	.204	----	2	3 +	2	22.25B	11.00A										
2585	14.75			20.00B	*11.25A	----			20.20+	550	.211	----	21	155 +	21	23.00B	11.25A										
2590	14.00			20.75B	*11.75A	----			20.90+	570	.218	----	27	128 +	27	23.75B	11.75A										
2595	12.25			#21.50B	*12.00A	----			21.60+	NEW	.226	----	10	10 +	10	21.50B	12.00A										
2600	16.75			22.00B	*12.50A	----			22.40+	610	.234	----	317	109 +	107	24.25	12.50A										
2605	15.50			#23.00B	*13.00A	----			23.20+	630	.243	----	32	33 +	32	23.00B	13.00A										
2610	17.25			23.75B	*13.25A	----			24.00+	650	.251	----	27	27 +	12	26.75B	13.25A										
2615	18.00			#24.50B	*13.75A	----			24.80+	NEW	.260	----	27	27 +	27	24.50B	13.75A										
2620	19.00			26.25	*14.25A	----			25.70+	700	.270	----	18	25	UNCH	28.50B	14.25A										
2625	17.75			27.00	*14.75A	----			26.70+	730	.280	----	39	47 +	3	29.50B	14.75A										
2630	24.00			#27.50	*15.25A	----			27.60+	NEW	.289	----	24	24 +	24	27.50	15.25A										
2635	25.25			29.00	*16.00A	----			28.60+	770	.300	----	10	17 +	2	31.50B	16.00A										
2640	29.50			#29.50	*16.50A	----			29.70+	NEW	.311	----	2	2 +	2	29.50	16.50A										
2645	26.50			#30.50B	*17.25A	----			30.80+	NEW	.322	----	3	3 +	3	30.50B	17.25A										
2650	28.25			#32.25	*17.75A	----			31.90+	860	.334	----	4	9 +	2	32.25	17.75A										
2655	28.50			#33.50	*18.50A	----			33.10+	NEW	.346	----	2	2 +	2	33.50	18.50A										
2660	25.75			#34.00B	*19.25A	----			34.40+	920	.358	----	21	20 +	19	34.00B	19.25A										
2665	33.75			#35.50B	*20.00A	----			35.60+	NEW	.371	----	1	1 +	1	35.50B	20.00A										
2670	26.75			#36.75B	*20.75A	----			37.00+	NEW	.385	----	21	21 +	21	36.75B	20.75A										
2675	27.75			#38.25B	*21.50A	----			38.40+	NEW	.398	----	1	1 +	1	38.25B	21.50A										
2680	23.75			#39.75B	*22.50A	----			39.90+	NEW	.413	----	3	3 +	3	39.75B	22.50A										
2700	31.50			#46.00B	*26.50A	----			46.40+	NEW	.474	----	202	202 +	202	46.00B	26.50A										
2705	33.50			#47.75B	*27.50A	----			48.20+	NEW	.491	----	1	1 +	1	47.75B	27.50A										
2710	32.00			#49.75B	*28.75A	----			50.10+	1290	.508	----	41	43 +	41	49.75B	28.75A										
2715	----			51.50B	*30.00A	----			52.10+	1330	.526	----	1	11 +	1	54.75	30.00A										
2720	----			#53.50B	*31.25A	----			54.10+	1370	.544	----	----	1	UNCH	53.50B	31.25A										
2730	----			#58.00B	*34.25A	----			58.50+	1470	.581	----	----	1	UNCH												



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FINAL

PG48	BULLETIN #123@			E-MINI S&P 500 PUT OPTIONS							wed, Jun 27, 2018				PG48
2180	0.65	.65	.45A	----	.70+	10	.006	----	25	175 +	25	1.30	.40A		
2190	----	.70B	.45A	----	.75+	15	.007	----	----	100	UNCH	1.30B	.45A		
2200	0.40	.75B	*.40	----	.75+	15	.007	----	5	1038 +	5	1.40	.40		
2210	----	.75B	.50A	----	.80+	15	.008	----	----	60	UNCH	1.40B	.45A		
2220	----	.80B	.50A	----	.85+	15	.008	----	----	156	UNCH	1.55	.50		
2225	----	.80B	.50A	----	.85+	15	.008	----	----	329	UNCH	1.60	.50		
2230	----	.85B	.50A	----	.90+	20	.009	----	----	86	UNCH	1.65	.50		
2240	0.50	.90B	.50	----	.90+	15	.009	----	44	113 +	44	1.80	.50A		
2250	0.90	.90	*.50	----	.95+	20	.009	----	15	1064 +	10	1.80	.50		
2260	----	.95B	.55A	----	1.00+	20	.010	----	2	166	UNCH	1.90	.55A		
2270	1.00	1.00	.60A	----	1.05+	20	.011	----	15	262	UNCH	2.00	.60		
2275	----	1.05B	.60A	----	1.10+	25	.011	----	----	172	UNCH	2.05	.60A		
2280	----	1.05B	.60A	----	1.15+	30	.012	----	7	32 -	3	1.95B	.60A		
2290	0.60	1.20	*.60	----	1.20+	30	.013	----	39	327	UNCH	2.05B	.60		
2300	1.20	1.20	*.65A	----	1.25+	30	.013	----	15	1258	UNCH	2.15B	.65A		
2305	1.20	1.20	*.65A	----	1.25+	30	.014	----	111	270 +	111	2.20B	.65A		
2310	1.25	1.25	.70A	----	1.30+	30	.014	----	2	34 +	1	2.25B	.70A		
2315	1.20	1.30	*.70A	----	1.35+	35	.015	----	4	69 +	2	2.30B	.70A		
2320	0.70	1.30	*.70	----	1.35+	35	.015	----	24	160 +	23	2.35B	.70		
2325	1.30	1.35B	.75A	----	1.40+	35	.016	----	234	144 +	122	2.40B	.75A		
2330	----	1.35B	.75A	----	1.40+	35	.016	----	----	1039	UNCH	2.45B	.75A		
2335	1.45	1.45	*.75A	----	1.45+	35	.016	----	11	10	UNCH	2.55B	.75A		
2340	1.45	1.45	.80A	----	1.50+	40	.017	----	106	345 +	73	2.70	.80A		
2345	1.50	1.50	.80A	----	1.55+	40	.018	----	7	9 -	1	2.65B	.80A		
2350	1.45	1.50B	*.80A	----	1.55+	40	.018	----	17	375 +	16	2.70B	.80A		
2355	----	1.55B	.85A	----	1.60+	40	.019	----	----	128	UNCH	2.80B	.85A		
2360	1.50	1.60B	.85A	----	1.65+	45	.019	----	2	37	UNCH	2.95	.85A		
2365	----	1.65B	*.85A	----	1.70+	45	.020	----	15	119 +	15	2.95B	.85A		
2370	----	1.70B	.90A	----	1.75+	45	.021	----	----	1466	UNCH	3.10	.90A		
2375	----	1.75B	*.90A	----	1.80+	50	.022	----	----	2	UNCH	3.10B	.90A		
2380	1.65	1.80B	.95A	----	1.85+	50	.022	----	1	108	UNCH	3.15B	.95A		
2385	----	1.85B	.95A	----	1.90+	50	.023	----	----	351	UNCH	3.40	.95A		
2390	----	1.90B	1.00A	----	1.95+	55	.024	----	----	326	UNCH	3.35B	1.00A		
2395	----	1.95B	1.00A	----	2.00+	55	.025	----	----	135	UNCH	3.50	1.00A		
2400	1.75	2.00B	*1.00	----	2.10+	60	.026	----	1090	1388 +	551	3.50B	1.00		
2405	----	2.10B	*1.05A	----	2.15+	60	.027	----	----	6	UNCH	3.60B	1.05A		
2410	1.15	2.15B	*1.05A	----	2.20+	65	.028	----	3	244	UNCH	3.70	1.05A		
2415	----	2.20B	*1.10A	----	2.30+	70	.029	----	----	24	UNCH	3.80B	1.10A		
2420	----	2.30B	1.15A	----	2.35+	70	.030	----	----	192	UNCH	3.90B	1.15A		
2425	----	2.35B	*1.15A	----	2.45+	75	.032	----	----	40	UNCH	4.05B	1.15A		
2430	1.25	2.45B	*1.15	----	2.55+	80	.033	----	1032	1290 +	1030	4.15B	1.15		
2435	----	2.50B	1.25A	----	2.60+	80	.034	----	----	231	UNCH	4.25B	1.25A		
2440	----	2.60B	*1.25A	----	2.70+	85	.035	----	----	90	UNCH	4.40B	1.25A		
2445	----	2.70B	1.30A	----	2.80+	90	.037	----	----	270	UNCH	4.50B	1.30A		
2450	2.65	2.80B	1.35A	----	2.90+	95	.039	----	35	533 -	5	4.65B	1.35A		
2455	2.80	2.90B	1.40A	----	3.00+	100	.040	----	200	201 +	150	4.75B	1.40A		
2460	1.95	3.00B	1.45A	----	3.10+	100	.042	----	8	255 -	8	4.90B	1.45A		
2465	----	3.15B	1.50A	----	3.20+	105	.043	----	----	170	UNCH	5.00	1.45A		
2470	----	3.25B	1.55A	----	3.30+	110	.045	----	----	57	UNCH	5.00B	1.50A		
2475	----	3.35B	1.55A	----	3.45+	115	.047	----	----	344	UNCH	5.25B	1.55A		
2480	2.00	3.50B	1.60A	----	3.55+	120	.049	----	18	106 -	18	5.50B	1.60A		
2485	2.60	3.60B	1.70	----	3.70+	125	.052	----	118	189 +	117	5.75	1.65A		
2490	3.20	3.75B	1.75A	----	3.85+	130	.054	----	265	492 +	125	5.75B	1.65A		
2495	----	3.90B	1.80A	----	4.00+	140	.056	----	15	663	UNCH	6.00B	1.70A		
2500	4.30	4.40	1.85A	----	4.15+	145	.059	----	1355	724 +	40	6.75	1.75A		
2505	3.75	4.25B	1.90A	----	4.30+	150	.062	----	20	283 +	20	6.50B	1.80A		
2510	----	4.45B	2.00A	----	4.45+	155	.064	----	----	89	UNCH	6.75B	1.90A		
2515	4.85	4.85	2.05A	----	4.65+	160	.067	----	468	746 +	151	6.75	1.95A		
2520	----	4.85B	2.15A	----	4.85+	170	.071	----	----	164	UNCH	7.00B	2.00A		
2525	5.00	5.00	2.20A	----	5.00+	170	.074	----	1	138 +	1	7.75	2.05A		
2530	4.50	5.25B	2.30A	----	5.30+	190	.078	----	2	277	UNCH	7.50	2.15A		
2535	4.95	5.50B	2.40A	----	5.50+	195	.082	----	2	320	UNCH	8.00B	2.20A		
2540	4.80	5.75B	2.50A	----	5.70+	200	.085	----	55	127 +	55	8.25B	2.30A		
2545	2.75	6.00B	2.60A	----	6.00+	215	.090	----	20	65 +	14	8.50B	2.35A		
2550	4.10	6.25B	2.70A	----	6.30+	230	.095	----	226	988 +	138	8.75B	2.45A		
2555	4.25	6.50B	2.80A	----	6.60+	240	.100	----	55	261	UNCH	9.25B	2.50A		
2560	6.50	6.75B	2.90A	----	6.90+	250	.105	----	293	470 +	115	9.50B	2.60A		
2565	5.50	7.75	3.05A	----	7.20+	260	.110	----	143	405 +	143	10.00B	2.65A		
2570	6.25	7.50B	3.20A	----	7.60+	280	.116	----	151	405 +	112	10.50B	2.75A		
2575	5.75	8.00B	3.35A	----	8.00+	300	.123	----	11	486 +	11	11.00	2.85A		
2580	5.25	8.25B	3.50A	----	8.40+	310	.129	----	216	438 +	187	11.25B	2.95A		
2585	6.50	8.75B	3.65A	----	8.80+	320	.136	----	52	288 +	52	11.75B	3.00A		
2590	6.50	9.25B	3.80A	----	9.30+	350	.144	----	23	439 -	6	12.25	3.10A		
2595	7.00	9.75B	4.00A	----	9.80+	370	.152	----	71	565 -	20	12.75	3.20A		
2600	7.75	10.75	4.15	----	10.30+	380	.160	----	99	2573 +	34	13.25B	3.30A		
2605	5.75	10.75B	4.40A	----	10.90+	410	.169	----	158	403 +	3	14.00B	3.45A		
2610	6.75	11.25B	4.60A	----	11.50+	430	.179	----	140	466 +	63	15.00	3.55A		
2615	6.75	12.00B	4.85A	----	12.10+	460	.188	----	187	215 +	114	15.25B	3.60A		
2620	9.25	13.00	5.25A	----	12.80+	490	.199	----	72	611 +	16	17.00	3.80A		
2625	7.5.														



FINAL

PG48		BULLETIN #123@				E-MINI S&P 500 PUT OPTIONS				wed, Jun 27, 2018				PG48	
1525	----	----	----	----	----	.20	UNCH	.001	----	----	20	UNCH	.25B	.15	
1575	----	----	----	----	----	.25+	5	.001	----	----	70	UNCH	.40	.15A	
1600	----	----	----	----	----	.30+	10	.001	----	----	148	UNCH	.45	.15A	
1650	----	----	----	----	----	.35+	10	.002	----	----	144	UNCH	.50	.20A	
1675	----	----	----	----	----	.35+	10	.002	----	----	144	UNCH	.55	.25A	
1700	----	----	.25A	----	----	.40+	10	.002	----	----	100	UNCH	.60	.25A	
1730	----	.35B	----	----	----	.40+	10	.002	----	----	100	UNCH	.55B	.25A	
1750	0.30	.35B	.30	----	----	.45+	NEW	.002	----	1	1 +	1	.55B	.30A	
1770	----	.40B	.30A	----	----	.45+	10	.002	----	----	100	UNCH	.70	.30A	
1810	----	.50B	.35A	----	----	.50+	10	.003	----	----	1	UNCH	.70B	.35A	
1820	0.40	.50B	.35A	----	----	.55+	NEW	.003	----	94	94 +	94	.70B	.35A	
1870	----	.60B	.40A	----	----	.65+	15	.004	----	----	3	UNCH	.85B	.40A	
1880	----	.60B	.45A	----	----	.65+	15	.004	----	----	10	UNCH	.90B	.40A	
1920	----	.70B	.50A	----	----	.75+	20	.005	----	----	68	UNCH	1.10	.45A	
1925	0.60	.70B	.50A	----	----	.75+	NEW	.005	----	1	1 +	1	1.05B	.45A	
1940	----	.75B	.50A	----	----	.80+	20	.005	----	----	30	UNCH	1.15B	.45A	
1950	----	.75B	.55A	----	----	.85+	25	.006	----	----	1	UNCH	1.20B	.50A	
1990	----	.90B	.60A	----	----	1.00+	25	.007	----	----	1	UNCH	1.35B	.55A	
2000	----	.95B	.65A	----	----	1.00+	25	.007	----	----	5	UNCH	1.45B	.55A	
2030	----	1.05B	.70A	----	----	1.10+	25	.008	----	----	1	UNCH	1.60B	.60A	
2040	----	1.10B	.70A	----	----	1.15+	25	.008	----	----	11	UNCH	1.65B	.60A	
2050	----	1.10B	.75A	----	----	1.20+	25	.009	----	----	11	UNCH	1.70B	.65A	
2060	----	1.15B	.75A	----	----	1.20+	25	.009	----	----	6	UNCH	1.80B	.65A	
2075	----	1.25B	.80A	----	----	1.30+	30	.010	----	----	1	UNCH	1.90B	.70A	
2080	----	1.25B	.80A	----	----	1.30+	25	.010	----	----	2	UNCH	1.95B	.70A	
2090	----	1.30B	.85A	----	----	1.35+	30	.010	----	----	1	UNCH	2.00B	.75A	
2100	----	1.35B	.90A	----	----	1.40+	30	.011	----	----	1750	UNCH	2.10B	.70A	
2110	----	1.40B	.90A	----	----	1.50+	35	.012	----	----	10	UNCH	2.15B	.80A	
2120	----	1.45B	.95A	----	----	1.55+	40	.012	----	----	13	UNCH	2.25B	.80A	
2125	----	1.50B	.95A	----	----	1.55+	35	.012	----	----	3	UNCH	2.25B	.80A	
2140	----	1.55B	1.00A	----	----	1.65+	40	.013	----	----	10	UNCH	2.40B	.85	
2150	----	1.65B	1.05A	----	----	1.70+	40	.014	----	----	2	UNCH	2.50B	.90A	
2160	----	1.70B	1.10A	----	----	1.75+	40	.014	----	----	2	UNCH	2.60B	.90A	
2170	----	1.75B	1.10A	----	----	1.80+	40	.015	----	----	170	UNCH	2.70B	.95A	
2175	----	1.80B	1.15A	----	----	1.85+	40	.015	----	----	461	UNCH	2.75B	.95A	
2180	----	1.85B	1.15A	----	----	1.90+	45	.016	----	----	1	UNCH	2.80B	.95A	
2190	----	1.90B	1.20A	----	----	1.95+	45	.017	----	----	100	UNCH	2.90B	1.00A	
2200	1.95	2.00B	1.25A	----	----	2.05+	50	.018	----	3	392 +	3	3.00B	1.05A	
2225	1.50	2.20B	1.35A	----	----	2.25+	55	.020	----	5	15 +	5	3.30B	1.10A	
2230	----	2.25B	1.40A	----	----	2.30+	55	.020	----	----	1	UNCH	3.40B	1.15A	
2240	----	2.35B	1.45A	----	----	2.40+	60	.021	----	----	19	UNCH	3.50B	1.15A	
2250	1.75	2.45B	1.50A	----	----	2.50+	60	.022	----	7	129	UNCH	3.65B	1.20A	
2260	----	2.55B	1.55A	----	----	2.60+	65	.024	----	----	3	UNCH	3.80B	1.25A	
2270	----	2.65B	1.60A	----	----	2.70+	65	.025	----	----	57	UNCH	3.95B	1.30A	
2275	----	2.70B	1.65A	----	----	2.80+	70	.026	----	----	34	UNCH	4.05B	1.35A	
2280	----	2.75B	1.70A	----	----	2.85+	75	.026	----	5	35	UNCH	4.15B	1.35A	
2290	----	2.90B	1.75A	----	----	2.95+	75	.028	----	----	6	UNCH	4.30B	1.40A	
2300	----	3.00B	1.85A	----	----	3.10+	80	.029	----	----	259	UNCH	4.50B	1.45	
2305	2.80	3.10B	1.85A	----	----	3.15+	80	.030	----	100	116 +	100	4.60B	1.50A	
2310	----	3.15B	1.90A	----	----	3.20+	80	.031	----	----	5	UNCH	4.70B	1.55A	
2315	3.00	3.25B	1.95A	----	----	3.30+	85	.032	----	100	128 +	100	4.80B	1.55A	
2320	----	3.30B	2.00A	----	----	3.35+	85	.032	----	----	334	UNCH	4.90B	1.60A	
2325	----	3.40B	2.05A	----	----	3.45+	85	.033	----	----	101	UNCH	5.00B	1.65A	
2330	----	3.45B	2.05A	----	----	3.55+	90	.034	----	----	32	UNCH	5.00B	1.65A	
2335	----	3.55B	2.10A	----	----	3.60+	90	.035	----	----	1	UNCH	5.00B	1.70A	
2340	----	3.65B	2.15A	----	----	3.70+	95	.036	----	----	7	UNCH	5.25B	1.75A	
2345	3.20	3.75B	2.20A	----	----	3.80+	95	.037	----	24	145 +	24	5.25B	1.75	
2350	3.80	3.80	2.25A	----	----	3.90+	100	.039	----	121	322 -	5	5.75	1.80A	
2355	----	3.90B	2.30A	----	----	4.00+	105	.040	----	----	11	UNCH	5.50B	1.85A	
2360	----	4.00B	2.35A	----	----	4.10+	105	.041	----	----	403	UNCH	5.75B	1.90A	
2365	----	4.10B	2.40A	----	----	4.20+	110	.042	----	----	12	UNCH	5.75B	1.95A	
2370	----	4.25B	2.45A	----	----	4.30+	115	.043	----	----	6	UNCH	6.00B	1.95A	
2375	----	4.35B	2.50A	----	----	4.40+	115	.045	----	----	6	UNCH	6.25B	2.00A	
2380	2.60	4.45B	2.55A	----	----	4.50+	120	.046	----	71	93 +	71	6.25B	2.05A	
2385	4.00	4.55B	2.60A	----	----	4.65+	125	.048	----	100	182 +	100	6.50B	2.10A	
2390	3.65	4.70B	2.65A	----	----	4.75+	125	.049	----	5	15 +	5	6.50B	2.15A	
2395	3.50	4.85B	2.75A	----	----	4.90+	135	.051	----	1	91	UNCH	6.75B	2.20A	
2400	----	4.95B	2.75A	----	----	5.00+	135	.052	----	7	189 +	2	7.00B	2.25A	
2405	3.45	5.00B	2.85A	----	----	5.20+	145	.054	----	30	57	UNCH	7.25	2.30	
2410	----	5.25B	2.95A	----	----	5.30+	145	.055	----	7	111 +	6	7.25B	2.40A	
2415	----	5.25B	3.00A	----	----	5.50+	155	.058	----	----	71	UNCH	7.50B	2.45A	
2420	3.80	5.50B	3.10A	----	----	5.60+	155	.059	----	10	50 +	9	7.50B	2.50A	
2425	3.30	5.50B	3.15A	----	----	5.80+	160	.061	----	6	114 +	5	7.75B	2.55A	
2430	3.35	6.00	3.20A	----	----	6.00+	170	.063	----	65	296 +	5	8.00B	2.65A	
2435	3.50	6.00B	3.35A	----	----	6.10+	165	.065	----	7	57	UNCH	8.25B	2.70A	
2440	4.55	6.50	3.45A	----	----	6.30+	175	.067	----	13	131 +	8	8.75	2.75A	
2445	3.65	6.50B	3.55A	----	----	6.50+	180	.070	----	6	97 +	6	8.75B	2.85A	
2450	4.55	6.50B	3.65A	----	----	6.60+	175	.071	----	34	91 -	30	8.75B	2.90A	
2455	4.05	6.75B	3.75A	----	----	6.80+	180	.074	----	13	56 +	11	9.00B	3.00A	
2460	4.45	7.00B	3.85A	----	----	7.00+	190	.076	----	2	117	UNCH	9.25	3.05A	
2465	4.75	7.25B	3.95A	----	----	7.30+									



FINAL

PG48	BULLETIN #123@				E-MINI S&P 500 PUT OPTIONS					wed, Jun 27, 2018				PG48
2730	38.75		53.75B	30.00A	----	54.20+	1490	.592	----	27	141 +	12	56.50B	18.25A
2735	37.25		56.25B	31.50A	----	56.60+	1540	.613	----	9	763 +	8	58.75B	19.00A
2740	35.75		58.75B	33.00A	----	59.20+	1590	.634	----	29	212 +	29	60.75B	20.00A
2745	36.00		61.50B	34.75A	----	61.90+	1640	.656	----	1	106	UNCH	63.25B	21.00A
2750	----		64.25B	36.75A	----	64.70+	1700	.678	----	15	312 +	14	66.00B	22.25A
2755	----		67.25B	38.50A	----	67.60+	1750	.700	----	1	188 +	1	68.75B	23.25A
2760	70.00		70.25B	40.75A	----	70.70+	1810	.722	----	2	373	UNCH	71.50B	24.50A
2765	42.50		73.50B	42.50	----	73.90+	1860	.743	----	2	95	UNCH	74.50B	26.00A
2770	----		76.75B	45.25A	----	77.20+	1910	.765	----	----	158	UNCH	77.75B	27.50A
2775	----		80.25B	48.00A	----	80.70+	1960	.785	----	----	192	UNCH	81.00B	29.00A
2780	----		84.00B	50.50A	----	84.30+	2000	.806	----	----	106	UNCH	84.50B	30.75A
2785	60.50		87.75B	53.25A	----	88.10+	2050	.824	----	1	169 -	1	88.00B	32.25A
2790	----		91.50B	56.25A	----	91.90+	2080	.842	----	----	129	UNCH	91.50B	34.00A
2795	----		94.75B	59.50A	----	95.90+	2120	.859	----	----	2	UNCH	95.50B	36.00A
2800	91.00		99.00B	62.75A	----	100.10+	2160	.876	----	1	147 -	1	99.25B	38.25A
2805	----		#103.25B	66.25A	----	104.30+	2190	.890	----	----	3	UNCH	103.25B	40.25A
2810	----		#107.50B	70.00A	----	108.60+	2210	.904	----	----	1	UNCH	107.50B	42.75A
2815	----		#112.00B	73.75A	----	113.00+	2230	.916	----	----	5	UNCH	112.00B	45.25A
2820	----		#116.50B	77.75A	----	117.60+	2260	.926	----	----	1	UNCH	116.50B	48.00A
2825	----		#121.00B	83.00A	----	122.10+	2270	.936	----	----	1	UNCH	121.00B	50.75A
2830	----		#125.75B	87.25A	----	126.80+	2290	.944	----	----	1	UNCH	125.75B	53.75A
2840	----		#135.00B	97.00A	----	136.30+	2310	.958	----	----	1	UNCH	135.00B	60.00A
2845	----		#140.00B	101.75A	----	141.00+	2310	.964	----	----	3	UNCH	140.00B	63.25A
2850	----		#144.75B	106.25A	----	145.90+	2320	.968	----	----	2	UNCH	144.75B	66.75A
2855	----		#149.50B	112.50A	----	150.70+	2320	.972	----	----	2	UNCH	149.50B	70.50A
2860	----		#154.50B	117.00A	----	155.60+	2330	.977	----	----	3	UNCH	154.50B	74.25A
2865	----		#157.00B	122.00A	----	160.50+	2330	.980	----	----	1	UNCH	157.00B	78.00A
2870	----		#161.75B	127.00A	----	165.40+	2330	.981	----	----	2	UNCH	161.75B	82.00A
TOTAL										5809	27644 +	2439		

E-MINI S&P PUTS

STRIKE		OPEN	RANGE	HIGH	LOW	CLOSING RANGE		SETT. PRICE & PT. CHGE.		DELTA	EXER CISES	VOLUME TRADES CLEARED	OPEN INTEREST		--CONTRACT-- HIGH LOW	
EMINI SEP18	S&P PUT	EMINI S&P	PUT													
1000	----	1000	----	----	----	----	----	.10	UNCH	.000	----	----	53	UNCH	.45B	.10A
1025	----	1025	----	----	----	----	----	.15	UNCH	.000	----	----	835	UNCH	7.00	.10
1050	----	1050	----	----	----	----	----	.15	UNCH	.000	----	----	687	UNCH	6.50B	.15
1075	0.15	1075	0.15	.15	.15	----	----	.15	UNCH	.000	----	2	1197 +	2	7.25B	.15A
1100	0.25	1100	0.25	.25	.15A	----	----	.20	UNCH	.000	----	63	1233	UNCH	8.75	.15A
1125	----	1125	----	----	----	----	----	.25+	5	.000	----	----	432	UNCH	9.50	.15
1150	0.30	1150	0.30	.30	.20A	----	----	.25	UNCH	.001	----	11	73 +	11	10.25	.20A
1175	----	1175	----	----	----	----	----	.30+	5	.001	----	----	161	UNCH	11.00	.20A
1200	----	1200	----	----	.25A	----	----	.35+	5	.001	----	----	1155	UNCH	11.75	.15
1225	----	1225	----	----	.25A	----	----	.35+	5	.001	----	----	93	UNCH	12.75	.20A
1250	----	1250	----	----	.30A	----	----	.40+	5	.001	----	----	440	UNCH	13.00B	.25A
1275	0.35	1275	0.35	.35	.30A	----	----	.45+	10	.001	----	10	434 +	8	14.50	.25A
1300	----	1300	----	----	.35A	----	----	.45+	5	.001	----	----	795	UNCH	15.50	.30
1325	----	1325	----	----	.40A	----	----	.50+	5	.002	----	----	664	UNCH	16.75	.30A
1350	----	1350	----	.50B	.40A	----	----	.55+	10	.002	----	----	1837	UNCH	17.25B	.35
1375	0.60	1375	0.60	.60	.45A	----	----	.60+	10	.002	----	10	1236 +	10	19.00	.35
1400	0.65	1400	0.65	.65	.50A	----	----	.60+	5	.002	----	10	23204 -	10	20.25	.40
1425	0.55	1425	0.55	.75	.50A	----	----	.65+	5	.002	----	61	1897	UNCH	21.50	.40
1450	0.60	1450	0.60	.75	.55A	----	----	.75+	10	.003	----	11	30432	UNCH	22.75B	.45
1475	----	1475	----	.70B	.60A	----	----	.80+	15	.003	----	5	23906 -	5	24.25B	.50
1500	----	1500	----	.80B	.65A	----	----	.85+	15	.003	----	----	2640	UNCH	26.00	.50
1525	----	1525	----	.85B	.70A	----	----	.90+	10	.004	----	----	6659	UNCH	27.75	.55
1550	----	1550	----	.90B	.75A	----	----	.95+	10	.004	----	----	1297	UNCH	30.00	.55
1575	----	1575	----	1.00B	.80A	----	----	1.05+	15	.004	----	----	3754	UNCH	31.25	.55
1600	----	1600	----	1.05B	.85A	----	----	1.10+	15	.005	----	----	3517	UNCH	33.25B	.65
1625	----	1625	----	1.15B	.95A	----	----	1.20+	15	.005	----	----	1884	UNCH	35.25	.70
1650	----	1650	----	1.25B	1.00A	----	----	1.30+	20	.006	----	----	1974	UNCH	37.25B	.80A
1660	----	1660	----	1.25B	1.00A	----	----	1.35+	20	.006	----	----	168	UNCH	38.25B	.80A
1670	----	1670	----	1.30B	1.05A	----	----	1.35+	15	.006	----	----	1546	UNCH	39.00	.80
1675	----	1675	----	1.35B	1.05A	----	----	1.40+	20	.006	----	----	1461	UNCH	40.00	.85A
1680	----	1680	----	1.35B	1.10A	----	----	1.40+	20	.007	----	----	3185	UNCH	40.00B	.85A
1690	----	1690	----	1.40B	1.10A	----	----	1.50+	25	.007	----	----	420	UNCH	41.00B	.90A
1700	----	1700	----	1.45B	1.15A	----	----	1.55+	25	.007	----	----	1084	UNCH	42.00B	.90
1710	----	1710	----	1.50B	1.15A	----	----	1.60+	30	.008	----	----	1520	UNCH	43.00	.95A
1720	----	1720	----	1.50B	1.20A	----	----	1.65+	30	.008	----	----	1745	UNCH	43.75B	.95A
1725	----	1725	----	1.55B	1.25A	----	----	1.65+	30	.008	----	----	812	UNCH	44.25B	.95
1730	1.85	1730	1.85	1.85	1.25A	----	----	1.65+	25	.008	----	5	1200 -	1	44.75B	.95A
1740	----	1740	----	1.65B	1.25A	----	----	1.70+	30	.008	----	----	1461	UNCH	45.75B	1.00A
1750	1.80	1750	1.80	1.80	1.30A	----	----	1.75+	30	.009	----	30	2198 +	25	48.75	1.00
1760	----	1760	----	1.75B	1.35A	----	----	1.85+	35	.009	----	----	1266	UNCH	48.50	1.05A
1770	2.00	1770	2.00	2.00	1.40A	----	----	1.90+	35	.009	----	1	2221 +	1	48.75B	1.10A
1775	2.00	1775	2.00	2.00	1.40A	----	----	1.90+	35	.009	----	1	1576	UNCH	49.50B	1.10
1780	2.00	1780	2.00	2.00	1.45A	----	----	1.95+	35	.010	----	1	1046	UNCH	51.50	1.10A
1790	2.00	1790	2.00	2.00	1.45A	----	----	2.00+	35	.010	----	1	1264	UNCH	51.00B	1.15A
1800	2.00	1800	2.00	2.10	1.50A	----	----	2.05+	35	.010	----	7	2330 +	6	52.25B	1.20
1810	1.55	1810	1.55	2.05B	1.55	----	----	2.10+	35	.011	----	3	1148 +	3	53.25B	1.20A
1820	2.00	1820	2.00	2.10B	1.60A	----	----	2.20+	40	.011	----	1	1867	UNCH	55.00	1.25A
1825	2.00	1825	2.00	2.15B	1.65A	----	----	2.25+	40	.011	----	1	1605	UNCH	58.00	1.25A
1830	2.00	1830	2.00	2.20B	1.65A	----	----	2.25+	35	.012	----	1	1243	UNCH	55.75B	1.30A
1840	2.00	1840	2.00	2.25B	1.70A	----	----	2.35+	40	.012	----	1	1048	UNCH	56.75B	1.30A
1850	2.00	1850	2.00	2.35B	1.75A	----	----	2.40+	40	.012	----	1	1393	UNCH	58.00B	1.35A
1860	2.00	1860	2.00	2.45B	1.80A	----	----	2.50+	40	.013	----	1	1216 +	1	59.25B	1.40A
1870	2.00	1870	2.00	2.80	1.85A	----	----	2.60+	45	.014	----	16	251 +	1	60.50B	1.45A
1875	2.75	1875	2.75	2.75	1.90A	----	----	2.65+	45	.014	----	17	1094 -	2	62.00	1.45A
1880	2.10	1880	2.10	2.60B	1.95A	----	----	2.70+	45	.014	----	1	800	UNCH	62.75	1.50A
1890	2.20	1890	2.20	2.70B	2.00A	----	----	2.80+	50	.015	----	32	1261 +	12	63.00B	1.55A
1900	2.30	1900	2.30	3.05	2.05A	----	----	2.85+	50	.015	----	8	2456 +	7	64.50B	1.60A
1910	2.25	1910	2.25	3.05	2.15A	----	----	2.95+	50	.016	----	21	917 +	19	65.75B	1.65A
1920	2.80	1920	2.80	3.00B	2.20A	----	----	3.10+	55	.017	----	10	1236 +	10	67.00B	1.70A
1925	----	1925	----	3.05B	2.25A	----	----	3.15+	60	.017	----	----	840	UNCH	68.00	1.70A
1930	----	1930	----	3.10B	2.25A	----	----	3.20+	60	.017	----	----	1066	UNCH	68.50B	1.75A
1940	3.40	1940	3.40	3.40	2.35A	----	----	3.30+	60	.018	----	36	850 +	11	69.75B	1.80A
1950	----	1950	----	3.35B	2.40A	----	----	3.40+	65	.019	----	----	1578	UNCH	71.25B	1.85A
1960	2.75	1960	2.75	3.45B	2.50A	----	----	3.50+	65	.019	----	19	971	UNCH	72.75B	1.90A
1970	2.85	1970	2.85	3.55B	2.55A	----	----	3.65+	70	.020	----	54	516 -	18	74.25B	1.95A
1975	----	1975	----	3.65B	2.60A	----	----	3.70+	70	.021	----	----	1940	UNCH	75.00B	2.00
1980	3.35	1980	3.35	3.70B	2.65A	----	----	3.75+	70	.021	----	12	652 -	12	75.75B	2.00A
1990	3.05	1990	3.05	4.00	2.75A	----	----	3.90+	75	.022	----	184	2081	UNCH	77.25B	2.10A
2000	3.30	2000	3.30	4.25	2.80	----	----	4.05+	80	.023	----	1075	5459 +	34	80.00	2.15A
2010	3.30	2010	3.30	4.20B	2.90A	----	----	4.20+	80	.024	----	12	1660 -	5	80.25B	2.25A
2020	3.35	2020	3.35	4.30B	3.00A	----	----	4.35+	85	.025	----	3	1006 -	2	82.00B	2.30A
2025	4.55	2025	4.55	4.55	3.05A	----	----	4.40+	85	.025	----	2	823 +	2	82.75B	2.35A
2030	4.00	2030	4.00	4.45B	3.10A	----	----	4.50+	85	.026	----	34	2228	UNCH	83.50B	2.40A
2040	----	2040	----	4.60B	3.25A	----	----	4.70+	95	.027	----	17	736 +	17	85.25B	2.45A
2050	3.80	2050	3.80	4.75B	3.35A	----	----	4.85+	95	.028	----	5	1133 -	5	86.75B	2.55A
2060	4.80	2060	4.80	4.95B	3.45A	----	----	5.10+	105	.029	----	106	1206 +	101	88.75B	2.65A
2070	4.00	2070	4.00	5.00B	3.60A	----	----	5.30+	110	.030	----	23	1902	UNCH	90.25B	2.75A
2075	----	2075	----	5.25B	3.65A	----	----	5.30+	105	.031	----	----	1429	UNCH	91.25B	2.80A
2080	4.20	2080	4.20	5.25B	3.75A	----	----	5.40+	105	.031	----	1	2596 +	1	92.25B	2.85A
2090	4.90	2090	4.90	5.75	3.85A	----	----	5.60+	110	.033	----	41	497	UNCH	94.00B	2.90
2100	4.60	2100	4.60	5.80+	4.00A	----	----	5.80+	115	.034	----	104	4961 +	15	95.75B	3.05A
2110	6.00	2110	6.00	6.00	4.10A	----	----	6.00+	115	.035	----	500	1137 +	126	97.50B	3.15A
2120	4.85	2120	4.85	6.00B	4.30A	----	----	6.30+	130	.037	----	79	1455 -	47	99.50B	3.25A
2125	5.75	2125	5.75	6.25	4.35A	----	----	6.40+	130	.038	----	1257	1409 +	774	100.50B	3.35A
2130	----	2130	----	6.25B	4.45A	----	----	6.50+	130	.038	----	5	1446	UNCH	101.25B	3.40
2140	----	2140	----	6.50B	4.60A	----	----	6.80+	140	.040	----	5	5924	UNCH	103.25B	3.50
2150	4.95	2150	4.95	6.75B	4.80A	----	----	7.00+	140	.042	----	108	5267	UNCH	105.25B	3.65A
2160	7.00	2160	7.00	7.25	5.00A	----	----	7.20+	140	.043	----	107	1113 -	102	107.00B	3.80A
2170	----	2170	----	7.25B	5.25A	----	----	7.50+	140	.045	----	5	4416	UNCH	109.00B	4.00A
2175	7.75	2175	7.75	7.75	5.25A	----	----	7.60+	140	.046	----	500	2325 +	217	110.25B	4.05A
2180	6.00	2180	6.00	7.75B	5.50	----	----	7.80+	150	.047	----					



FINAL

PG48		BULLETIN #123@				E-MINI S&P 500 PUT OPTIONS				wed, Jun 27, 2018				PG48
2240	7.00	9.75B	6.75A	----		9.80+	180	.061	----	26	397 +	3	124.25B	5.25
2250	7.25	10.75	7.00A	----		10.20+	190	.063	----	97	6009 +	12	126.50B	5.25A
2260	8.00	10.50B	7.25A	----		10.60+	200	.066	----	59	1855 -	58	129.00B	5.50A
2270	9.75	11.25	7.50A	----		11.00+	200	.069	----	183	658 +	32	131.25B	5.75A
2275	10.75	11.50	7.75A	----		11.20+	210	.070	----	168	1375 +	18	132.25B	5.75A
2280	11.00	11.25B	8.00A	----		11.40+	210	.072	----	26	4102 +	26	133.50B	6.00A
2290	----	11.75B	8.25A	----		11.80+	210	.075	----	105	2728 +	4	136.00B	6.25A
2300	10.00	12.25B	8.50A	----		12.30+	220	.078	----	1147	11820 -	158	138.50B	6.50
2305	9.75	12.50B	8.75A	----		12.50+	220	.079	----	10	739	UNCH	55.50B	6.50A
2310	10.75	12.75B	8.75A	----		12.80+	230	.081	----	134	1921 -	124	141.00B	6.75A
2315	13.25	13.25	9.00A	----		13.00+	230	.083	----	162	2319	UNCH	57.25B	6.75A
2320	10.25	13.25B	9.25A	----		13.30+	240	.085	----	5	2187 +	5	143.50B	7.00A
2325	10.50	13.75	9.50A	----		13.60+	250	.087	----	10	1680 +	10	144.75B	7.00A
2330	10.75	13.75B	9.50A	----		13.90+	250	.089	----	1	1408	UNCH	146.00B	7.00
2335	14.25	14.25	9.75A	----		14.20+	260	.091	----	23	184 +	17	70.75B	7.25
2340	14.50	15.00	10.00A	----		14.50+	270	.093	----	9	964 +	9	148.75B	7.50A
2345	15.00	15.00	10.25A	----		14.90+	290	.095	----	1	839	UNCH	73.00B	7.75A
2350	15.00	15.75	10.25A	----		15.20+	290	.097	----	717	4311 -	15	151.50B	7.75A
2355	15.25	15.75	10.50A	----		15.50+	300	.099	----	103	823 +	101	75.00B	8.00A
2360	13.25	16.25	10.75A	----		15.80+	310	.102	----	11	492 +	9	154.00B	8.00A
2365	12.25	16.75	11.00A	----		16.10+	310	.104	----	23	663 +	6	77.50B	8.25A
2370	11.75	17.00	11.25A	----		16.50+	330	.106	----	13	2221 +	13	156.75B	8.50A
2375	13.75	17.50	11.50	----		16.80+	330	.109	----	155	4686 -	127	158.25B	8.50A
2380	16.00	17.25	11.75A	----		17.10+	330	.111	----	101	490 +	20	159.50B	8.75A
2385	13.25	17.25B	12.00A	----		17.40+	330	.113	----	6	549 +	5	82.25B	9.00A
2390	13.75	17.75B	12.25A	----		17.80+	340	.116	----	23	1094	UNCH	162.25B	9.00A
2395	14.50	18.00B	12.50A	----		18.10+	340	.118	----	20	404 +	3	84.50B	9.25A
2400	15.25	19.25	12.75	----		18.50+	350	.121	----	1911	10678 -	351	165.25B	9.50
2405	14.25	18.75B	13.00A	----		18.90+	350	.123	----	136	344 +	60	87.25B	9.75A
2410	16.00	20.00	13.25	----		19.30+	360	.126	----	37	741 +	12	168.25B	9.75A
2415	15.50	19.75B	13.50A	----		19.70+	370	.129	----	24	473 +	7	89.75B	10.00A
2420	14.25	20.00B	13.75A	----		20.20+	380	.132	----	27	2182 +	2	171.00B	10.25A
2425	16.00	20.50B	14.00A	----		20.60+	390	.135	----	77	1970 -	27	172.50B	10.50A
2430	15.75	21.75	14.50A	----		21.10+	410	.138	----	17	490 -	14	174.25B	10.75A
2435	16.50	21.50B	14.75A	----		21.50+	410	.141	----	14	372 -	13	95.25B	11.00A
2440	15.75	22.75	15.00A	----		22.00+	430	.145	----	199	907 +	64	177.25B	11.25A
2445	17.50	22.50B	15.50A	----		22.50+	440	.148	----	7	819 +	2	98.00B	11.50A
2450	17.00	23.50	15.50	----		23.00+	450	.151	----	862	10211 +	504	180.25B	11.75A
2455	16.75	23.25B	16.00A	----		23.50+	460	.155	----	65	832 +	1	100.75B	12.00A
2460	17.00	24.00	16.50A	----		24.00+	460	.158	----	29	828 +	3	183.50B	12.25A
2465	20.00	24.50	16.75A	----		24.60+	480	.162	----	85	536 +	27	103.75B	12.50A
2470	----	25.00B	17.00A	----		25.10+	480	.166	----	----	4244	UNCH	186.50B	12.75A
2475	20.75	26.50	17.50A	----		25.70+	490	.170	----	16	2589 +	16	188.25B	13.00A
2480	18.25	26.00B	17.75A	----		26.20+	500	.173	----	13	432	UNCH	189.75B	13.25A
2485	21.25	26.75B	18.25A	----		26.80+	510	.177	----	289	334 -	196	109.75B	13.50A
2490	21.00	27.25B	18.75A	----		27.40+	520	.182	----	40	2622 -	21	193.00B	13.75A
2495	20.25	28.00	19.00A	----		28.00+	530	.186	----	152	5459 +	14	113.00B	14.00A
2500	23.50	29.50	19.50A	----		28.60+	540	.190	----	1275	13045 +	770	199.00	14.50
2505	21.00	29.25	20.00A	----		29.30+	560	.194	----	49	528 +	42	116.50B	14.75A
2510	23.50	29.75B	20.50A	----		29.90+	570	.199	----	322	1043 +	265	199.75B	15.00A
2515	24.50	30.50B	21.00A	----		30.60+	580	.203	----	29	540 +	23	119.75B	15.50A
2520	24.75	31.25B	21.50A	----		31.30+	590	.208	----	32	2209 +	13	203.25B	15.75
2525	29.00	32.75	22.00A	----		32.00+	600	.213	----	220	2829 +	12	205.00B	16.00A
2530	24.50	32.50B	22.50A	----		32.80+	620	.218	----	420	1254 -	193	206.75B	16.50
2535	30.50	33.25B	23.00A	----		33.50+	630	.223	----	11	413 -	11	127.00B	16.75A
2540	24.75	34.00B	23.50	----		34.30+	650	.228	----	347	720 +	70	210.50B	17.25
2545	31.25	34.75B	24.00	----		35.10+	660	.234	----	69	509 -	64	130.75B	17.50A
2550	35.25	36.00	24.50A	----		35.90+	680	.239	----	2141	11990 -	88	214.00B	18.00
2555	26.25	36.50B	25.25A	----		36.70+	700	.245	----	20	931 +	5	134.50B	18.50A
2560	27.00	37.25B	25.75A	----		37.50+	710	.250	----	377	706 -	278	218.50	18.75A
2565	----	38.25B	26.50A	----		38.40+	730	.256	----	----	612	UNCH	138.50B	19.25A
2570	----	39.00B	27.00A	----		39.30+	750	.262	----	904	1482 +	304	221.50B	19.75A
2575	37.75	40.00B	27.75A	----		40.20+	770	.268	----	291	2378 -	37	223.25B	20.00
2580	35.50	41.00B	28.25A	----		41.10+	780	.274	----	2	1566 -	1	225.25B	20.75A
2585	37.25	41.75B	29.00A	----		42.00+	790	.281	----	20	206 +	20	146.50B	21.25
2590	31.00	42.75B	29.75A	----		43.00+	800	.287	----	44	1950 +	13	229.25B	21.75A
2595	33.75	43.75B	30.50A	----		44.00+	810	.294	----	204	1044 -	94	150.75B	22.25
2600	36.25	44.75	31.25A	----		45.00+	820	.301	----	3320	15611 +	185	233.25	22.75A
2605	37.25	46.00B	32.00A	----		46.10+	840	.308	----	56	407 +	24	155.25B	23.25A
2610	38.25	47.00B	32.75A	----		47.20+	860	.315	----	6	5652 +	6	237.00B	24.00A
2615	41.75	48.00B	33.50A	----		48.30+	880	.322	----	23	706 -	19	159.50B	24.50A
2620	40.50	49.25B	34.50A	----		49.40+	890	.330	----	228	1468 +	98	241.25B	25.00A
2625	41.75	50.50B	35.25A	----		50.60+	910	.337	----	572	3148 +	227	243.00B	25.50
2630	41.50	51.50B	36.25A	----		51.80+	930	.345	----	153	1602 +	28	245.25B	26.25A
2635	39.00	52.75B	37.00A	----		53.00+	950	.353	----	121	469 +	16	168.75B	27.00A
2640	52.50	54.00	38.00A	----		54.30+	970	.361	----	195	1411 +	146	249.25B	27.75A
2645	44.25	55.25B	39.00A	----		55.50+	980	.370	----	9	755	UNCH	173.75B	28.25A
2650	54.25	57.00	40.00	----		56.90+	1010	.378	----	1190	10594 +	404	253.75B	29.00A
2655	55.50	58.00B	41.00A	----		58.20+	1020	.387	----	76	1080 -	22	178.50B	29.75A
2660	42.75	59.50B	42.00A	----		59.60+	1040	.396	----	66	1254 +	47	258.00B	30.50A
2665	50.25	62.25	43.00A	----		61.00+	1060	.405	----	178	561 +	139	183.50B	31.25A
2670	52.00	62.50B	44.25A	----		62.50+	1080	.415	----	839	720 -	134	262.50B	32.25
2675	54.50	64.00B	45.25A	----		64.10+	1110	.424	----	862	2317 +	357	264.75B	33.00A
2680	55.00	66.75	46.50A	----		65.70+	1130	.434	----	226	1444 +	15	267.00B	33.75
2685	57.25	67.00B	47.75A	----		67.30+	1150	.444	----	14	5417 -	6	194.00B	34.75A
2690	57.25	70.00	48.75A	----		68.90+	1170	.454	----	60	1136 -	13	271.75B	35.50A
2695	60.25	70.25B	50.00A	----		70.50+	1180	.465	----	48	872 -	23	199.75B	36.50A
2700	60.75	74.25	51.50	----		72.20+	1200	.475	----	3218	14458 +	728	276.25B	37.50A
2705	64.75	73.75B	52.75A	----		73.90+	1220	.486	----	327	2664 +	54	205.25B	38.50A
2710	60.75	77.00	54.00	----		75.70+	1240	.497	----	255	716 +	99	281.00B	39.5



FINAL

BULLETIN #123@				E-MINI S&P 500 PUT OPTIONS				wed, Jun 27, 2018				PG48		
2930	----		223.75B	188.50A	----	226.80+	2310	.955	----	----	56	UNCH	447.50B	130.25A
2940	----		233.50B	198.25A	----	236.40+	2310	.961	----	----	99	UNCH	457.25B	134.75A
2950	----		243.25B	207.50A	----	246.10+	2320	.967	----	----	105	UNCH	466.75B	139.75A
2960	----		253.00B	217.25A	----	255.90+	2330	.971	----	----	134	UNCH	476.50B	144.50A
2970	----		259.00B	227.00A	----	265.70+	2330	.975	----	----	86	UNCH	480.75B	149.75A
2975	----		264.75B	231.50A	----	270.60+	2330	.977	----	----	36	UNCH	483.25B	152.50A
2980	----		269.75B	236.75A	----	275.50+	2330	.978	----	----	1509	UNCH	482.00B	155.00A
3010	----		----	----	----	305.20+	2340	.986	----	----	2	UNCH	463.00B	172.50A
3020	----		----	----	----	315.20+	2350	.987	----	----	10	UNCH	472.00B	178.50A
3025	----		----	----	----	320.20+	2350	.988	----	----	10	UNCH	476.25B	181.75A
3030	----		----	----	----	325.20+	2360	.988	----	----	12	UNCH	480.75B	184.75A
3040	----		----	----	----	335.10+	2350	.990	----	----	9	UNCH	489.75B	191.25A
3070	----		----	----	----	365.10+	2360	.992	----	----	24	UNCH	507.75B	214.00A
3080	----		----	----	----	375.10+	2360	.993	----	----	3337	UNCH	393.00B	221.25A
3100	----		----	----	----	395.10+	2360	.994	----	----	2	UNCH	474.00	237.25A
3280	----		----	----	----	575.10+	2360	.999	----	----	25	UNCH	476.75B	462.75A
TOTAL										34671	502099 +	5029		
DEC18	EMINI	S&P	PUT											
1100	----		----	----	----	.55+	10	.001	----	----	2480	UNCH	10.25	.35
1125	----		----	----	----	.60+	10	.002	----	----	1372	UNCH	12.00	.55
1150	----		----	----	----	.65+	10	.002	----	----	1919	UNCH	12.75	.50A
1175	----		----	----	----	.70+	10	.002	----	----	233	UNCH	13.75	.55A
1200	----		----	----	----	.80+	15	.002	----	----	675	UNCH	14.75	.50
1225	----		.70A	----	----	.85+	10	.003	----	----	1346	UNCH	15.75	.65A
1250	----		.75A	----	----	.95+	15	.003	----	----	596	UNCH	15.25B	.65
1275	----	.90B	----	----	----	1.00+	15	.003	----	----	751	UNCH	18.25	.75A
1300	----	----	.90A	----	----	1.10+	15	.004	----	----	1625	UNCH	19.75	.75
1325	----	----	1.00A	----	----	1.20+	15	.004	----	----	782	UNCH	18.75B	.75
1350	----	1.20B	1.05A	----	----	1.30+	15	.004	----	----	1018	UNCH	22.00	.90
1375	1.45	1.45	1.15A	----	----	1.40+	15	.005	----	251	1486 +	249	23.75	.95
1400	1.55	1.55	1.25A	----	----	1.55+	20	.005	----	100	1223 +	100	25.00	.95
1425	1.70	1.70	1.35A	----	----	1.70+	25	.006	----	500	1340 +	488	27.00	1.05A
1450	1.85	1.85	1.45A	----	----	1.85+	25	.006	----	100	3006 +	100	28.50	1.10
1475	2.00	2.00	1.55A	----	----	2.00+	25	.007	----	27	907 +	27	30.50	1.25A
1500	----	2.05B	1.70A	----	----	2.20+	30	.008	----	----	5909	UNCH	30.25	1.35A
1525	----	2.20B	1.80A	----	----	2.35+	30	.009	----	----	764	UNCH	34.25	1.45A
1550	2.20	2.55	1.95A	----	----	2.60+	40	.010	----	28	1916	UNCH	36.00	1.55
1575	----	2.70B	2.15A	----	----	2.80+	40	.010	----	----	1880	UNCH	38.25	1.70A
1600	2.90	3.00	2.25	----	----	3.05+	45	.011	----	124	7310 -	100	40.50	1.85
1625	----	3.20B	2.55A	----	----	3.30+	50	.013	----	6	2725	UNCH	40.00B	2.05A
1650	3.60	3.60	2.75A	----	----	3.60+	55	.014	----	3	36557	UNCH	46.25	2.20A
1675	3.70	3.80B	2.95A	----	----	3.95+	65	.015	----	1	672	UNCH	45.00	2.35
1700	----	4.15B	3.20A	----	----	4.30+	70	.017	----	----	4756	UNCH	47.50B	2.55A
1725	3.40	4.50B	3.40	----	----	4.70+	80	.018	----	244	3028	UNCH	52.00	2.80A
1750	4.80	4.90B	3.80A	----	----	5.10+	90	.020	----	10	1470 +	10	56.00	3.05A
1775	----	5.25B	4.10A	----	----	5.50+	95	.022	----	----	1026	UNCH	60.75	3.20
1780	----	5.25B	4.20A	----	----	5.60+	95	.022	----	----	260	UNCH	57.00	3.35A
1790	6.00	6.00	4.30A	----	----	5.80+	100	.023	----	10	455 -	10	60.75	3.45A
1800	----	5.75B	4.45A	----	----	5.90+	95	.024	----	----	6279	UNCH	63.00	3.50
1810	----	6.00B	4.60A	----	----	6.10+	100	.024	----	----	405	UNCH	60.75B	3.70A
1820	6.00	6.00	4.75A	----	----	6.30+	100	.025	----	37	670	UNCH	61.75	3.80A
1825	----	6.25B	4.85A	----	----	6.40+	100	.026	----	----	1111	UNCH	67.00	3.90
1830	----	6.25B	4.95A	----	----	6.50+	100	.026	----	----	311	UNCH	63.25	3.95
1840	5.00	6.50B	5.00	----	----	6.70+	100	.027	----	1	681	UNCH	64.75B	4.10A
1850	----	6.75B	5.50A	----	----	6.90+	100	.028	----	----	3419	UNCH	71.00	4.20A
1860	----	7.00B	5.50A	----	----	7.20+	110	.029	----	----	394	UNCH	67.50B	4.35A
1870	----	7.25B	5.75A	----	----	7.40+	110	.030	----	----	289	UNCH	68.75B	4.50A
1875	----	7.50B	5.75A	----	----	7.50+	110	.031	----	----	1401	UNCH	69.50B	4.60A
1880	----	7.50B	6.00A	----	----	7.70+	120	.031	----	----	795	UNCH	75.00	4.60
1890	7.75	7.75	6.25A	----	----	7.90+	110	.032	----	12	1078 -	12	71.75B	4.85A
1900	8.00	8.00	6.25A	----	----	8.20+	120	.034	----	358	4644 +	11	75.00	5.00A
1910	----	8.25B	6.50A	----	----	8.50+	120	.035	----	----	215	UNCH	74.50B	5.25A
1920	----	8.75B	6.75A	----	----	8.80+	130	.036	----	----	637	UNCH	76.00B	5.50A
1925	----	8.75B	7.00A	----	----	8.90+	130	.037	----	----	428	UNCH	80.50	5.50A
1930	9.00	9.00	7.00A	----	----	9.10+	130	.037	----	37	823	UNCH	77.50B	5.75A
1940	----	9.25B	7.25A	----	----	9.40+	140	.039	----	200	963 -	200	79.00B	5.75A
1950	8.50	10.00	7.50A	----	----	9.70+	140	.040	----	12	1497	UNCH	84.00	6.00A
1960	----	10.00B	7.75A	----	----	10.10+	150	.042	----	----	986	UNCH	82.50B	6.25A
1970	8.50	10.25B	8.00A	----	----	10.40+	150	.043	----	1	737	UNCH	84.00B	6.50A
1975	10.50	10.50	8.00A	----	----	10.60+	160	.044	----	2	708 -	2	91.00	6.50A
1980	----	10.50B	8.25A	----	----	10.80+	170	.045	----	----	1020	UNCH	97.00	6.75A
1990	----	11.00B	8.50A	----	----	11.20+	180	.046	----	----	862	UNCH	88.00	7.00A
2000	10.50	11.50	8.75A	----	----	11.60+	190	.048	----	1044	5159 -	453	92.00	7.00
2010	----	11.75B	9.00A	----	----	12.00+	200	.050	----	406	652 +	130	90.50B	7.25A
2020	10.25	12.25B	9.50A	----	----	12.40+	210	.052	----	1	288	UNCH	92.25B	7.50A
2025	10.50	12.25B	9.50A	----	----	12.60+	210	.052	----	6	846 +	6	93.50B	7.75A
2030	----	12.50B	9.75A	----	----	12.80+	210	.053	----	----	41	UNCH	94.50B	7.75A
2040	11.00	13.00B	10.00A	----	----	13.20+	210							



FINAL

PG48		BULLETIN #123@		E-MINI S&P 500 PUT OPTIONS										wed, Jun 27, 2018				PG48	
2500	52.00	57.50B	45.25A	----	57.90+	750	.251	----	168	18185	-	13	222.00	35.50					
2510	----	59.50B	46.75A	----	59.80+	770	.259	----	----	366	UNCH		219.75B	37.25A					
2515	----	60.50B	47.75A	----	60.70+	770	.263	----	----	20	UNCH		62.25B	39.25A					
2520	60.00	61.50B	48.50A	----	61.70+	780	.267	----	835	1385	+	835	223.25B	38.50A					
2525	58.00	62.50B	49.25A	----	62.70+	790	.271	----	278	4847	+	4	225.25B	39.00A					
2530	----	63.50B	50.00A	----	63.70+	800	.276	----	----	617	UNCH		227.00B	39.75A					
2535	55.25	64.50B	51.00A	----	64.70+	810	.280	----	1	14	+	1	66.25B	42.00A					
2540	54.25	65.50B	51.75A	----	65.70+	820	.285	----	540	2881	+	492	230.75B	41.00A					
2545	----	66.50B	52.50A	----	66.80+	830	.289	----	----	1	UNCH		68.50B	43.50A					
2550	----	67.50B	53.50A	----	67.80+	840	.294	----	----	7023	UNCH		234.50B	42.50A					
2555	----	68.75B	54.50A	----	68.90+	850	.298	----	----	35	UNCH		70.50B	44.75A					
2560	----	69.75B	55.25A	----	70.00+	860	.303	----	----	863	UNCH		238.25B	44.00A					
2565	56.75	71.00B	56.25A	----	71.10+	870	.308	----	20	74	UNCH		72.75B	46.50A					
2570	----	72.00B	57.25A	----	72.20+	880	.313	----	----	2565	UNCH		242.25B	45.50A					
2575	59.25	73.25B	58.25A	----	73.40+	890	.318	----	11	2838	+	7	244.25B	46.25A					
2580	65.00	74.25B	59.00A	----	74.60+	910	.323	----	20	1796	+	20	246.00B	47.00A					
2585	72.50	75.50B	60.00A	----	75.80+	920	.328	----	20	147	+	20	77.50B	49.50A					
2590	----	76.75B	61.00A	----	77.00+	930	.333	----	----	545	UNCH		250.00B	48.75					
2595	----	78.00B	62.00A	----	78.20+	940	.338	----	----	270	UNCH		80.00B	51.25A					
2600	73.25	79.25B	63.25A	----	79.40+	950	.343	----	146	11030	+	77	254.00B	50.25A					
2605	67.00	80.50B	64.25A	----	80.70+	960	.349	----	20	80	+	20	82.50B	53.25A					
2610	67.50	81.75B	65.25A	----	82.00+	970	.354	----	20	373	UNCH		258.50B	52.00A					
2615	68.25	83.25B	66.50A	----	83.30+	980	.360	----	31	203	+	31	85.00B	55.00A					
2620	----	84.50B	67.50A	----	84.60+	990	.365	----	----	889	UNCH		262.25B	54.00A					
2625	----	85.75B	68.75A	----	86.00+	1010	.371	----	----	731	UNCH		264.75B	54.75A					
2630	----	87.25B	69.75A	----	87.40+	1020	.377	----	----	2239	UNCH		266.50B	55.75A					
2635	----	88.75B	71.00A	----	88.80+	1040	.383	----	----	47	UNCH		90.50B	59.00A					
2640	----	90.00B	72.25A	----	90.20+	1050	.389	----	----	447	UNCH		271.25B	57.75A					
2645	----	91.50B	73.50A	----	91.60+	1050	.395	----	----	283	UNCH		93.50B	61.00A					
2650	88.75	93.00B	74.75A	----	93.10+	1070	.401	----	25	12082	UNCH		275.25B	59.75A					
2655	----	94.50B	76.00A	----	94.60+	1080	.407	----	----	31	UNCH		96.25B	62.75					
2660	83.25	96.00B	77.25A	----	96.10+	1090	.413	----	1	469	UNCH		279.50B	61.75A					
2665	----	97.50B	78.50A	----	97.60+	1100	.420	----	----	20	UNCH		99.50B	65.25A					
2670	----	99.25B	79.75A	----	99.20+	1120	.426	----	----	712	UNCH		284.50B	64.00A					
2675	----	100.75B	81.25A	----	100.80+	1130	.433	----	----	1660	UNCH		286.75B	65.25A					
2680	97.25	102.50B	82.50A	----	102.40+	1140	.440	----	20	1263	UNCH		289.00B	66.25A					
2685	----	104.00B	84.00A	----	104.10+	1160	.446	----	----	51	UNCH		106.00B	70.00A					
2690	101.75	105.75B	85.50A	----	105.80+	1180	.453	----	1	920	UNCH		293.25B	68.75A					
2695	----	107.50B	87.00A	----	107.50+	1190	.460	----	----	36	UNCH		109.50B	72.50A					
2700	102.50	109.25B	88.50A	----	109.30+	1220	.467	----	708	8139	-	86	297.75B	71.00A					
2705	----	111.00B	90.00A	----	111.00+	1220	.474	----	----	24	UNCH		113.00B	75.00A					
2710	----	112.75B	91.50A	----	112.90+	1250	.482	----	----	886	UNCH		302.50B	73.75A					
2715	100.25	114.75B	93.00A	----	114.70+	1270	.489	----	7	272	UNCH		182.75B	75.00A					
2720	----	116.50B	94.50A	----	116.60+	1290	.496	----	----	870	UNCH		307.50B	76.25A					
2725	----	118.50B	96.25A	----	118.50+	1300	.504	----	----	922	UNCH		310.00B	77.50A					
2730	----	120.50B	98.00A	----	120.50+	1330	.511	----	----	1405	UNCH		312.50B	79.00A					
2735	----	122.00B	99.50A	----	122.50+	1350	.519	----	----	279	UNCH		196.25B	80.50A					
2740	----	124.00B	101.25A	----	124.60+	1380	.527	----	----	2049	UNCH		318.00B	81.75A					
2745	----	126.25B	103.00A	----	126.60+	1400	.535	----	----	160	UNCH		199.75B	83.25A					
2750	112.00	128.25B	104.75A	----	128.70+	1420	.542	----	102	1870	-	100	323.00B	84.75A					
2755	----	130.50B	106.75A	----	130.90+	1440	.551	----	----	21	UNCH		132.50B	89.50A					
2760	----	132.50B	108.50A	----	133.10+	1460	.559	----	----	382	UNCH		327.75B	88.00A					
2765	----	134.75B	110.50A	----	135.30+	1480	.567	----	----	8	UNCH		136.75B	92.75A					
2770	----	137.00B	112.25A	----	137.50+	1490	.575	----	----	464	UNCH		333.50B	91.25A					
2775	----	139.25B	114.25A	----	139.80+	1510	.583	----	----	647	UNCH		336.00B	92.75A					
2780	----	141.50B	116.25A	----	142.10+	1520	.592	----	----	287	UNCH		338.75B	94.50A					
2785	----	144.00B	118.50A	----	144.50+	1540	.600	----	----	54	UNCH		172.25B	96.25A					
2790	----	146.25B	120.50A	----	146.90+	1550	.609	----	----	731	UNCH		344.00B	98.00A					
2795	----	148.75B	122.50A	----	149.30+	1560	.617	----	----	79	UNCH		166.75B	99.75A					
2800	----	151.25B	124.75A	----	151.90+	1590	.626	----	125	2332	-	29	349.50B	101.75A					
2810	----	156.50B	129.50A	----	157.10+	1630	.643	----	----	451	UNCH		355.25B	105.50A					
2815	----	159.25B	131.75A	----	159.70+	1650	.652	----	----	3	UNCH		245.75B	107.50A					
2820	----	162.00B	134.25A	----	162.50+	1680	.661	----	----	517	UNCH		361.00B	109.50A					
2825	----	164.75B	136.50A	----	165.20+	1690	.670	----	----	634	UNCH		363.75B	111.75A					
2830	----	167.50B	139.00A	----	168.10+	1720	.678	----	----	423	UNCH		366.75B	113.75A					
2835	----	170.50B	141.50A	----	171.00+	1740	.687	----	----	12	UNCH		172.00B	119.75A					
2840	----	173.25B	144.25A	----	173.90+	1760	.696	----	----	198	UNCH		372.50B	118.00A					
2845	----	176.25B	146.75A	----	176.90+	1780	.705	----	----	12	UNCH		208.25B	120.25A					
2850	----	179.25B	149.50A	----	180.00+	1810	.714	----	----	1435	UNCH		378.75B	122.50A					
2860	----	185.75B	155.00A	----	186.30+	1850	.731	----	----	215	UNCH		385.00B	127.25A					
2870	----	192.25B	160.75A	----	192.80+	1890	.748	----	----	456	UNCH		391.25B	132.25A					
2875	----	195.50B	163.50A	----	196.10+	1910	.757	----	----	131	UNCH		394.25B	134.75A					
2880	----	198.75B	166.75A	----	199.50+	1930	.765	----	----	125	UNCH		397.50B	137.25A					



FINAL

PG48		BULLETIN #123@				E-MINI S&P 500 PUT OPTIONS				wed, Jun 27, 2018				PG48	
1850	----		13.00B	10.75A	----	13.30+	150	.044	----	2102	UNCH	35.50B	8.75A		
1860	----		13.50B	11.00A	----	13.70+	160	.045	----	10	UNCH	36.50B	9.00A		
1870	----		13.75B	11.50A	----	14.10+	170	.047	----	59	UNCH	37.50B	9.25A		
1875	13.50		14.00B	11.50A	----	14.30+	180	.047	140	6068	UNCH	38.00B	9.25A		
1880	----		14.25B	11.75A	----	14.50+	180	.048	----	53	UNCH	38.50B	9.50		
1890	----		14.75B	12.25A	----	14.90+	180	.050	----	200	UNCH	39.50B	9.75		
1900	13.75		15.25B	12.50A	----	15.40+	190	.051	8	2629 +	4	40.50B	10.00		
1910	----		15.75B	12.75A	----	15.80+	190	.053	----	170	UNCH	41.50B	10.50A		
1920	----		16.00B	13.25A	----	16.30+	190	.054	----	4	UNCH	42.75B	10.75A		
1925	14.75		16.50B	13.25	----	16.60+	190	.055	5	1079 +	1	43.25B	11.00A		
1930	----		16.50B	13.75A	----	16.80+	190	.056	----	223	UNCH	43.75B	11.00A		
1940	----		17.00B	14.00A	----	17.30+	190	.058	----	409	UNCH	45.00B	11.50A		
1950	----		17.50B	14.50A	----	17.80+	200	.060	----	362	UNCH	46.00B	11.75A		
1960	----		18.00B	15.00A	----	18.30+	200	.061	----	125	UNCH	47.25B	12.25A		
1970	----		18.75B	15.25A	----	18.90+	210	.063	----	72	UNCH	48.50B	12.50A		
1975	----		19.00B	15.50A	----	19.20+	220	.064	----	4716	UNCH	49.00B	12.75A		
1980	----		19.25B	15.75A	----	19.40+	210	.065	----	136	UNCH	49.75B	12.75A		
1990	----		19.75B	16.25A	----	20.00+	220	.067	----	183	UNCH	51.00B	13.25A		
2000	17.75		20.25B	16.75A	----	20.60+	230	.069	1	1458 -	1	52.25B	13.75A		
2010	----		21.00B	17.25A	----	21.20+	240	.071	----	245	UNCH	53.50B	14.00		
2020	----		21.50B	17.75A	----	21.80+	250	.073	----	179	UNCH	55.00B	14.50A		
2025	18.75		22.00B	18.00A	----	22.10+	250	.074	110	845	UNCH	55.50B	14.75A		
2030	----		22.25B	18.25A	----	22.50+	260	.076	----	176	UNCH	56.25B	14.75A		
2040	20.50		22.75B	18.75A	----	23.10+	260	.078	1	1077 -	1	57.75B	15.25A		
2050	----		23.50B	19.25A	----	23.80+	280	.080	----	2030	UNCH	59.25B	15.75A		
2060	----		24.25B	19.75A	----	24.50+	280	.083	----	102	UNCH	60.75B	16.25A		
2070	----		25.00B	20.50A	----	25.20+	290	.085	----	466	UNCH	62.25B	16.75A		
2075	----		25.25B	20.75A	----	25.50+	290	.086	----	1569	UNCH	63.00B	17.00A		
2080	22.25		25.75B	21.00A	----	25.80+	280	.087	128	4000	UNCH	63.75B	17.25A		
2090	----		26.25B	21.75A	----	26.60+	300	.090	----	694	UNCH	65.25B	17.50A		
2100	----		27.00B	22.25A	----	27.30+	300	.092	----	3162	UNCH	66.75B	18.00A		
2110	----		27.75B	23.00A	----	28.00+	300	.095	----	81	UNCH	68.50B	18.75A		
2120	----		28.50B	23.50A	----	28.80+	310	.098	----	8	UNCH	70.00B	19.25A		
2125	----		29.00B	23.75A	----	29.20+	310	.099	----	4351	UNCH	71.00B	19.50A		
2130	----		29.50B	24.25A	----	29.60+	310	.101	----	503	UNCH	71.75B	19.75A		
2140	----		30.25B	25.00A	----	30.40+	320	.103	----	64	UNCH	73.50B	20.25A		
2150	----		31.00B	25.50A	----	31.20+	330	.106	----	1828	UNCH	75.25B	20.75A		
2160	----		32.00B	26.25A	----	32.10+	340	.109	----	13	UNCH	77.00B	21.50A		
2170	----		32.75B	27.00A	----	33.00+	360	.113	----	265	UNCH	78.75B	22.00A		
2175	33.75		33.75	27.50A	----	33.50+	370	.114	1	621	UNCH	79.75B	22.25A		
2180	----		33.75B	27.75A	----	34.00+	380	.116	----	6	UNCH	80.75B	22.50A		
2190	31.25		34.75B	28.50A	----	35.00+	400	.119	1	350 -	1	82.50B	23.25A		
2200	29.50		35.50B	29.50	----	35.90+	400	.123	21	3321 -	1	84.50B	24.00A		
2210	----		36.50B	30.25A	----	36.90+	410	.126	----	869	UNCH	86.50B	24.50A		
2220	----		37.50B	31.00A	----	37.90+	420	.130	----	3	UNCH	88.50B	25.25A		
2225	----		38.25B	31.50A	----	38.40+	420	.131	----	1706	UNCH	89.50B	25.50A		
2230	----		38.75B	32.00A	----	38.90+	420	.133	1000	1000 +	729	90.50B	26.00A		
2240	----		39.75B	32.75A	----	39.90+	430	.137	----	27	UNCH	92.75B	26.75A		
2250	----		40.75B	33.75A	----	41.00+	440	.141	----	4031	UNCH	94.75B	27.50A		
2260	----		42.00B	34.75A	----	42.10+	450	.144	----	2409	UNCH	97.00B	28.25A		
2270	----		43.00B	35.50A	----	43.20+	460	.148	----	8	UNCH	99.25B	29.00A		
2275	----		43.50B	36.00A	----	43.80+	470	.150	----	2	UNCH	100.50B	29.25A		
2280	----		44.25B	36.50A	----	44.40+	480	.153	----	134	UNCH	101.50B	29.75A		
2290	----		45.50B	37.50A	----	45.50+	480	.157	----	50	UNCH	103.75B	30.50A		
2300	39.00		46.50B	38.50A	----	46.80+	500	.161	1	2993 -	1	106.25B	31.25A		
2310	----		48.00B	39.75A	----	48.10+	510	.165	----	80	UNCH	108.50B	32.25A		
2320	----		49.25B	40.75A	----	49.40+	520	.170	----	1	UNCH	111.00B	33.00A		
2325	----		49.75B	41.25A	----	50.10+	530	.172	----	15	UNCH	112.25B	33.50A		
2330	----		50.50B	41.75A	----	50.80+	540	.175	----	473	UNCH	113.50B	34.00A		
2340	----		51.75B	43.00A	----	52.10+	540	.180	----	1001	UNCH	116.00B	35.00A		
2350	----		53.25B	44.25A	----	53.60+	560	.185	----	786	UNCH	118.75B	36.00A		
2360	----		54.75B	45.50A	----	55.00+	570	.190	----	38	UNCH	121.50B	37.00A		
2370	----		56.25B	46.75A	----	56.50+	590	.195	----	457	UNCH	124.00B	38.00A		
2375	----		57.00B	47.25A	----	57.30+	600	.197	----	124	UNCH	125.50B	38.50A		
2380	----		57.75B	48.00A	----	58.00+	600	.200	----	5	UNCH	126.75B	39.00A		
2390	----		59.25B	49.25A	----	59.60+	610	.205	----	65	UNCH	129.75B	40.00A		
2400	55.00		60.75B	50.50A	----	61.20+	630	.211	305	7227 +	270	132.50B	41.25A		
2410	----		62.50B	52.00A	----	62.80+	630	.217	----	110	UNCH	135.50B	42.25A		
2420	----		64.25B	53.50A	----	64.50+	650	.223	----	34	UNCH	138.50B	43.50A		
2425	----		65.00B	54.25A	----	65.40+	660	.226	----	233	UNCH	140.00B	44.25A		
2430	----		66.00B	55.00A	----	66.20+	660	.228	----	5608	UNCH	141.50B	44.75A		
2440	----		67.75B	56.50A	----	68.00+	680	.235	----	314	UNCH	144.00B	46.00A		
2450	----		69.50B	58.00A	----	69.80+	690	.241	----	2423	UNCH	147.25B	47.25A		
2460	----		71.25B	59.50A	----	71.60+	700	.247	----	180	UNCH	150.25B	48.50A		
2470	----		73.25B	61.25A	----	73.60+	720	.254	----	417	UNCH	153.75B	50.00A		
2475	----		74.25B	62.00A	----	74.50+	730	.257	----	426					



E-MINI S&P 500 PUT OPTIONS

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

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**FINAL**

PG48		BULLETIN #123@										E-MINI S&P 500 PUT OPTIONS										wed, Jun 27, 2018				PG48	
JUN19		EMINI S&P PUT																									
1225	----	2.40B	2.20A	----	----	2.55+	20	.007	----	----	3	UNCH	3.20	2.10													
1375	----	4.40B	3.90A	----	----	4.60+	40	.012	----	----	24	UNCH	5.00B	3.70A													
1500	----	6.75B	6.00A	----	----	7.10+	60	.020	----	----	1	UNCH	7.75B	5.50A													
1525	7.50	7.50	6.50A	----	----	7.70+	60	.021	----	1	553	UNCH	8.50B	6.00A													
1550	----	8.00B	7.00A	----	----	8.40+	70	.023	----	----	5	UNCH	9.00B	6.50A													
1575	----	8.75B	7.50A	----	----	9.10+	80	.025	----	----	8	UNCH	9.75B	7.00													
1600	8.00	9.50B	8.00	----	----	9.90+	90	.027	----	1	3090 +	1	10.50B	7.75A													
1625	----	10.25B	9.00A	----	----	10.60+	90	.030	----	----	323	UNCH	11.50B	8.25A													
1650	11.25	11.25	9.50A	----	----	11.50+	100	.032	----	300	304 +	300	12.50B	9.00A													
1675	----	12.00B	10.25A	----	----	12.30+	110	.034	----	----	2	UNCH	13.25B	9.50A													
1700	11.50	13.00B	11.25A	----	----	13.30+	120	.037	----	832	9832 +	831	14.25B	10.25													
1725	----	14.00B	12.00A	----	----	14.30+	130	.040	----	----	3	UNCH	15.25B	11.00A													
1750	12.75	15.00B	12.75	----	----	15.30+	140	.043	----	1	5 +	1	16.25B	11.75A													
1775	----	16.25B	14.00A	----	----	16.50+	160	.047	----	----	2	UNCH	17.50B	12.50A													
1800	17.25	17.50B	15.00A	----	----	17.70+	170	.050	----	5	13 +	5	18.75B	13.50A													
1825	----	18.75B	16.00A	----	----	19.10+	200	.054	----	----	1	UNCH	20.00B	14.50A													
1850	----	20.00B	17.00A	----	----	20.50+	220	.058	----	----	6	UNCH	21.50B	15.50A													
1875	18.50	21.50B	18.25A	----	----	21.90+	220	.062	----	180	1000	UNCH	23.00B	16.50A													
1900	22.25	23.00B	19.75A	----	----	23.50+	240	.067	----	1	4704 +	1	24.50B	17.75A													
1925	----	24.75B	21.00A	----	----	25.10+	250	.071	----	----	3	UNCH	26.25B	19.00													
1940	----	25.75B	21.75A	----	----	26.00+	240	.074	----	----	9	UNCH	27.25B	19.75A													
1950	----	26.50B	22.50A	----	----	26.70+	250	.076	----	----	2	UNCH	28.00B	20.25A													
1960	----	27.25B	23.00A	----	----	27.40+	250	.078	----	----	180	UNCH	29.00B	20.75A													
1975	----	28.25B	24.00A	----	----	28.50+	260	.081	----	277	3277 +	277	30.00B	21.75A													
2000	27.50	30.25	25.50A	----	----	30.50+	290	.087	----	1189	13303 +	1189	32.00B	23.25A													
2070	----	36.25B	30.75A	----	----	36.60+	340	.104	----	----	2	UNCH	38.25B	28.00A													
2100	----	39.25B	33.25A	----	----	39.50+	370	.113	----	----	1160	UNCH	41.00B	30.25A													
2110	----	40.25B	34.00A	----	----	40.50+	380	.115	----	----	120	UNCH	42.00B	31.00A													
2150	----	44.50B	37.75A	----	----	44.80+	410	.128	----	1	25 -	1	46.50B	34.25A													
2200	45.75	50.00	42.75A	----	----	50.50+	460	.144	----	598	3529 +	355	52.25B	38.75A													
2210	----	51.25B	43.75A	----	----	51.80+	470	.148	----	----	33	UNCH	53.50B	39.50A													
2220	----	52.50B	45.00A	----	----	53.00+	480	.152	----	----	200	UNCH	55.00B	40.50A													
2225	----	53.25B	45.50A	----	----	53.60+	480	.153	----	----	14	UNCH	55.50B	41.00A													
2250	49.00	56.50B	48.50A	----	----	56.90+	510	.163	----	5	116	UNCH	59.00B	43.50A													
2300	----	63.75B	54.50A	----	----	64.00+	550	.183	----	----	2998	UNCH	66.00B	49.25A													
2320	----	66.75B	57.25A	----	----	67.10+	580	.192	----	----	400	UNCH	69.25B	51.75A													
2330	----	68.25B	58.75A	----	----	68.70+	590	.197	----	----	60	UNCH	70.75B	52.75A													
2350	62.75	71.75B	61.50A	----	----	72.00+	610	.206	----	2	162 +	2	74.25B	55.50A													
2360	----	73.50B	63.00A	----	----	73.70+	630	.211	----	----	1	UNCH	76.00B	56.75A													
2370	----	75.00B	64.75A	----	----	75.50+	640	.216	----	----	1	UNCH	77.75B	58.25A													
2375	----	76.00B	65.50A	----	----	76.40+	650	.219	----	----	60	UNCH	78.50B	59.00A													
2390	75.00	78.75B	67.75A	----	----	79.10+	NEW	.226	----	1	1 +	1	81.25B	61.00A													
2400	73.50	80.50B	69.50	----	----	80.90+	680	.232	----	114	2360 +	105	83.25B	61.75													
2425	----	85.50B	73.75A	----	----	85.80+	720	.245	----	----	75	UNCH	88.00B	66.25A													
2440	----	88.25B	76.25A	----	----	88.80+	740	.254	----	----	6	UNCH	91.00B	68.75A													
2450	83.25	90.50B	78.00A	----	----	90.90+	750	.260	----	562	659 +	559	93.00B	70.00A													
2460	----	92.50B	80.00A	----	----	93.00+	770	.266	----	----	350	UNCH	95.00B	72.00													
2475	----	95.75B	82.75A	----	----	96.20+	780	.275	----	----	2500	UNCH	98.25B	74.50A													
2480	----	96.75B	83.75A	----	----	97.30+	790	.278	----	----	140	UNCH	99.50B	75.50A													
2500	89.50	101.25B	87.75A	----	----	101.80+	820	.291	----	100	1077 +	100	103.75B	79.00A													
2510	----	103.75B	89.75A	----	----	104.20+	840	.297	----	----	225	UNCH	106.25B	80.75A													
2530	----	108.50B	94.00A	----	----	109.00+	860	.311	----	----	40	UNCH	111.00B	84.50A													
2550	103.50	113.50B	98.50A	----	----	114.00+	890	.325	----	3	633 +	2	116.00B	88.50A													
2570	----	118.50B	103.00A	----	----	119.20+	920	.340	----	----	49	UNCH	121.00B	93.00A													
2575	----	120.00B	104.25A	----	----	120.50+	920	.343	----	----	1004	UNCH	122.50B	93.75A													
2590	122.75	124.00B	108.00A	----	----	124.60+	NEW	.355	----	3	2 +	2	126.50B	97.00A													
2600	116.75	126.75B	110.50A	----	----	127.40+	960	.363	----	40	2450	UNCH	129.25B	99.50A													
2625	----	134.00B	117.00A	----	----	134.60+	1000	.383	----	----	1	UNCH	136.50B	105.25A													
2650	130.50	141.75B	124.00A	----	----	142.20+	1050	.404	----	25	7700 +	25	144.25B	111.50A													
2670	----	148.25B	129.75A	----	----	148.60+	1090	.422	----	----	120	UNCH	150.75B	117.00A													
2675	----	150.00B	131.25A	----	----	150.20+	1100	.426	----	----	6000	UNCH	152.25B	118.00A													
2700	----	158.50B	139.00A	----	----	158.80+	1160	.449	----	----	483	UNCH	160.75B	125.25A													
2720	----	165.50B	145.50A	----	----	166.30+	NEW	.469	----	150	150 +	150	168.00B	130.75A													
2725	----	167.50B	147.00A	----	----	168.20+	1250	.474	----	----	100	UNCH	169.75B	132.25A													
2740	----	173.00B	152.25A	----	----	174.20+	NEW	.489	----	278	278 +	278	175.25B	137.00A													
2750	----	177.00B	155.75A	----	----	178.20+	1330	.499	----	127	4700 +	100	179.25B	140.25A													
2760	174.25	181.00B	159.25A	----	----	182.30+	NEW	.509	----	3	3 +	3	183.25B	143.50A													
2770	----	185.00B	163.00A	----	----	186.40+	1370	.519	----	1	12 +	1	187.25B	146.75A													
2775	----	187.00B	164.75A	----	----	188.50+	1380	.525	----	----	4551	UNCH	189.25B	148.50A													
2780	178.50	189.00B	166.75A	----	----	190.60+	1390	.530	----	49	124 +	49	190.75B	150.00A													
2800	186.50	197.50B	174.50A	----	----	199.20+	1420	.552	----	4	770 +	1	199.50B	157.25A													
2825	----	209.00B	184.75A	----	----	210.70+	1490	.579	----	----	1	UNCH	210.75B	166.75A													
2900	----	247.75B	220.25A	----	----	249.60+	1690	.666	----	----	1	UNCH	249.00B	198.75A													
2910	----	253.50B	225.25A	----	----	255.30+	1710	.678	----	----	1	UNCH	254.75B	203.75A													
2990	----	304.50B	272.50A	----	----	306.40+	1920	.771	----	----	5	UNCH	305.00B	246.75A													
TOTAL										4853		82105 + 4337															
EOM JUN18		EMINI S&P P																									
1000	----	----	----	----	----	CAB	----	----	----	----	663	UNCH	.15	.15													
1025	----	----	----	----	----	CAB	----	----	----	----	6	UNCH	4.65B	.10A													
1100	----	----	----	----	----	CAB	----	----	----	----	2	UNCH	6.00B	.05A													
1125	----	----	----	----	----	CAB	----	----	----	----	1	UNCH	6.75B	.05A													
1150	----	----	----	----	----	CAB	----	----	----	----	8	UNCH	7.25B	.05A													
1175	----	----	----	----	----	CAB	----	----	----	----	124	UNCH	8.00B	.05A													
1200	----	----	----	----	----	CAB	----	----	----	----	10	UNCH	10.00	.05A													
1225	----	----	----	----	----	CAB	----	----	----	----	45	UNCH	9.50B	.10A													
1250	----	----	----	----	----	CAB	----	----	----	----	221	UNCH	11.25	.05													
1275	----	----	----	----	----	CAB	----	----	----	----	547	UNCH	12.00	.10A													
1300	----	----	----	----	----	CAB	----	----	----	----	130	UNCH	12.75	.05A													
1325	----	----	----	----	----	CAB	----	----	----	----	269	UNCH	13.50	.05A													
1350	----	----	----	----	----	CAB	----	----	----	----	679	UNCH	14.50	.05													
1375	----	----	----	----	----	CAB	----	----	----	----	195	UNCH	15.50	.05A													
1400	----	----	----	----	----	CAB	----	----	----	----	447	UNCH	16.50	.10A													
1425	----	----	----	----	----	CAB	----	----	----	----	830	UNCH	17.50	.10A													
1450	----	----	----	----	----	CAB	----	----	----	----	595	UNCH	18.75	.10A													
1475	----	----	----	----	----	CAB	----	----	----	----	367	UNCH	20.00	.10A													
1500	----	----	----	----	----	CAB	----	----	----	----	858	UNCH	21.25	.10A													
1525	----	----	----	----	----	CAB	----	----	----	----	430	UNCH	24.00	.10A													
1550	----	----	----	----	----	CAB	----	----	----	----	900	UNCH	25.50	.10A													
1575	----	----	----	----	----	CAB	----	----	----	----	699	UNCH	25.50B	.10A													
1600	----	----	----	----	----	CAB	----	----	----	----	2510	UNCH	28.50	.10													
1625	----	----	----	----	----	CAB	----	----	----	----	1764	UNCH	29.00	.05													
1650	----	----	----	----	----	CAB	----	----	----	----	2642	UNCH	30.75B	.10A													
1660	----	----	----	----	----	CAB	----	----	----	----	106	UNCH	31.50B	.15A													
1670	----	----	----	----	----	CAB	----	----	----	----	118	UNCH	32.25B	.15A													
1675	----	----	----	----	----	CAB	----	----	----	----	9																

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.

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FINAL

PG48	BULLETIN #123@				E-MINI S&P 500 PUT OPTIONS				wed, Jun 27, 2018				PG48
1910	----	----	----	----	CAB	----	----	----	818	UNCH	55.25B	.10A	
1920	----	----	----	----	CAB	----	----	----	773	UNCH	56.25B	.10A	
1925	----	----	----	----	CAB	----	----	----	280	UNCH	57.00B	.15A	
1930	----	----	----	----	CAB	----	----	----	656	UNCH	57.50B	.10A	
1940	----	----	----	----	CAB	----	----	----	943	UNCH	61.25	.15A	
1950	----	----	----	----	CAB	----	----	----	625	UNCH	60.00B	.05	
1960	----	----	----	----	CAB	----	----	----	2821	UNCH	61.25B	.05	
1970	----	----	----	----	CAB	----	----	----	439	UNCH	62.50B	.05	
1975	----	----	----	----	CAB	----	----	----	474	UNCH	63.25B	.05	
1980	----	----	----	----	CAB	----	----	----	384	UNCH	64.00B	.10A	
1990	----	----	----	----	CAB	----	----	----	194	UNCH	65.25B	.10	
2000	----	----	----	----	CAB	----	----	----	2253	UNCH	66.50B	.05	
2010	----	----	----	----	CAB	----	----	----	503	UNCH	68.00B	.05	
2020	----	----	----	----	CAB	----	----	----	875	UNCH	69.25B	.05	
2025	----	----	----	----	CAB	----	----	----	1173	UNCH	70.00B	.05	
2030	----	----	----	----	CAB	----	----	----	1181	UNCH	70.75B	.05	
2040	----	----	----	----	CAB	----	----	----	1164	UNCH	72.25B	.05	
2050	----	----	----	----	CAB	----	----	----	1834	UNCH	73.75B	.05	
2060	----	----	----	----	CAB	----	----	----	432	UNCH	75.25B	.05	
2070	----	----	----	----	CAB	----	----	----	1105	UNCH	76.75B	.10A	
2075	----	----	----	----	CAB	----	----	----	1098	UNCH	77.50B	.10A	
2080	----	----	----	----	CAB	----	----	----	2054	UNCH	78.25B	.10A	
2090	----	----	----	----	CAB	----	----	----	2639	UNCH	86.25	.05	
2100	0.05	.05	.05	----	CAB	----	----	3	4448 -	2	81.50B	.05	
2110	----	----	----	----	CAB	----	----	----	599	UNCH	83.00B	.05	
2120	----	----	----	----	CAB	----	----	----	3165	UNCH	84.75B	.05	
2125	----	----	----	----	CAB	----	----	----	2185	UNCH	85.50B	.05	
2130	----	----	----	----	CAB	----	----	----	3535	UNCH	86.50B	.05	
2140	----	----	----	----	CAB	----	----	----	2748	UNCH	88.25B	.05	
2150	----	----	----	----	CAB	----	----	----	1268	UNCH	90.00B	.05	
2160	----	----	----	----	CAB	----	----	----	1983	UNCH	91.75B	.10	
2170	----	----	----	----	CAB	----	----	----	827	UNCH	93.50B	.15A	
2175	----	----	----	----	CAB	----	----	----	2237	UNCH	94.25B	.05	
2180	----	----	----	----	CAB	----	----	----	1124	UNCH	95.25B	.05	
2190	----	----	----	----	CAB	----	----	----	2975	UNCH	98.75	.05A	
2200	----	----	----	----	CAB	----	----	----	3429	UNCH	99.00B	.05A	
2210	----	----	----	----	CAB	----	----	----	1142	UNCH	101.00B	.05A	
2220	----	----	----	----	CAB	----	----	----	1778	UNCH	103.00B	.10	
2225	0.05	.05	*.05	----	CAB	----	----	900	2296 +	829	104.00B	.05	
2230	----	----	----	----	.05+	5	----	----	552	UNCH	105.00B	.10	
2240	----	----	----	----	.05+	5	----	----	597	UNCH	107.00B	.05	
2250	0.05	.05	.05	----	.05+	5	----	1	1593 +	1	109.00B	.05	
2260	----	----	----	----	.05+	5	.000	----	3587	UNCH	111.00B	.05	
2270	----	----	----	----	.05+	5	.000	----	1078	UNCH	113.25B	.10A	
2275	----	----	----	----	.05	UNCH	.000	----	1385	UNCH	114.25B	.05	
2280	----	----	----	----	.05	UNCH	.000	2	1802	UNCH	115.25B	.05	
2290	0.10	.10	.05	----	.05	UNCH	.000	57	3401 +	41	117.50B	.05	
2300	----	----	----	----	.05	UNCH	.000	----	3489	UNCH	119.75B	.05	
2305	----	----	----	----	.05	UNCH	.000	----	671	UNCH	31.00B	.10A	
2310	----	----	----	----	.05	UNCH	.000	2	1058 -	2	122.00B	.10A	
2315	0.05	.05	*.05	----	.05	UNCH	.000	10	430 -	10	32.75	.05	
2320	0.10	.10	.10	----	.05	UNCH	.000	796	1853 +	796	124.50B	.10	
2325	0.05	.10	*.05	----	.05	UNCH	.000	2790	3341 +	1791	125.50B	.05	
2330	0.05	.10	*.05	----	.10+	5	.000	527	7084 +	470	126.75B	.05	
2335	0.10	.10	*.05A	----	.10	UNCH	.000	1512	3218 +	1403	43.25B	.05A	
2340	----	----	*.05A	----	.10	UNCH	.000	----	2257	UNCH	129.00B	.05A	
2345	----	----	*.05A	----	.10	UNCH	.000	----	1043	UNCH	45.00B	.05A	
2350	0.05	.10B	*.05	----	.10	UNCH	.000	40	4552	UNCH	131.25B	.05	
2355	----	----	----	----	.10	UNCH	.000	----	741	UNCH	46.75B	.10	
2360	----	----	----	----	.10	UNCH	.000	----	1805	UNCH	134.00B	.10	
2365	0.05	.10B	*.05	----	.10	UNCH	.000	1	1140	UNCH	48.50B	.05	
2370	0.15	.15	.10A	----	.10-	5	.000	200	1760 +	200	136.50B	.10	
2375	0.05	.15	*.05	----	.10-	5	.000	367	1605 +	267	137.75B	.05	
2380	----	----	.10A	----	.10-	5	.000	1	2080	UNCH	139.00B	.10	
2385	0.10	.15	.10	----	.10-	5	.000	55	2062 +	15	52.50B	.10A	
2390	0.15	.15	.10A	----	.15	UNCH	.000	285	5034 +	231	141.75B	.10A	
2395	0.05	.15	*.05	----	.15	UNCH	.000	163	1599 +	103	54.50B	.05	
2400	0.10	.20	.05	----	.20+	5	.000	878	9550 -	14	144.25B	.05	
2405	0.15	.15	.10A	----	.20+	5	.000	203	2562 +	1	56.75B	.10A	
2410	0.15	.20	*.10A	----	.20+	5	.000	515	2408 +	500	147.00B	.10A	
2415	0.15	.15	*.10A	----	.20+	5	.000	65	1961 +	15	59.00B	.10A	
2420	0.10	.10	*.10	----	.20+	5	.000	2	2942	UNCH	149.50B	.10	
2425	0.15	.20	*.10A	----	.20+	5	.000	225	2190 -	23	151.00B	.10A	
2430	0.20	.20	*.10A	----	.20+	5	.000	202	968 +	200	152.25B	.10A	
2435	0.10	.15B	*.10	----	.20+	5	.000	2	1595 +	2	63.75B	.10	
2440	0.10	.20B	*.10	----	.20+	5	.000	38	1821 +	38	155.25B	.10	
2445	0.10	.20	*.10	----	.25+	10	.001	231	2285 +	184	66.25B	.10	
2450	0.10	.20	*.10	----	.25+	10	.001	236	5731 +	13	158.25B	.10	
2455	0.20	.20	*.10A	----	.25+	10	.001	414	3201 +	216	68.75B	.10A	
2460	0.10	.20	*.10	----	.25+	10	.001	793	2804 +	295	161.00B	.10	
2465	0.25	.25	*.10A	----	.25+	10	.001	2	1546 +	2	71.50B	.10A	
2470	0.15	.20B	*.10A	----	.25+	10	.001	26	3231 +	24	164.00B	.10A	
2475	0.10	.20B	*.10	----	.25+	10	.001	612	3497 +	561	165.50B	.10	
2480	0.25	.25	*.10A	----	.25+	5	.001	606	1903 +	317	167.00B	.10A	
2485	0.30	.30	*.10A	----	.25+	5	.001	2	944	UNCH	77.00B	.10A	
2490	0.15	.20	*.10A	----	.25+	5	.001	64	1918 +	19	170.00B	.10A	
2495	0.10	.25	*.10	----	.25+	5	.001	251	3138 +	131	80.00B	.10	
2500	0.20	.30	*.10	----	.25+	5	.001	2499	7256 +	905	173.25B	.10	
2505	0.10	.25	*.10	----	.25+	5	.001	36	2868 -	20	83.25B	.10	
2510	0.10	.30	*.10	----	.25+	5	.001	1778	4238 +	1427	176.50B	.10	
2515	0.30	.30	*.10	----									

FINAL															
PG48	BULLETIN #123@			E-MINI S&P 500 PUT OPTIONS					wed, Jun 27, 2018				PG48		
2730	13.25		29.75	6.00	----		29.40+	1470	.821	----	4517	3090 +	546	265.50B	4.55A
2735	26.50		32.75B	7.00	----		33.10+	1620	.872	----	2714	2406 -	56	195.75B	5.00A
2740	21.50		39.00	8.25	----		37.10+	1760	.914	----	1863	3838 +	233	270.75B	5.50A
2745	13.50		42.25	10.00A	----		41.40+	1900	.945	----	756	2084 +	24	202.00B	6.25A
2750	30.00		45.75	12.00	----		45.90+	2020	.967	----	750	3530 -	377	276.00B	6.75
2755	42.00		49.25B	14.75A	----		50.60+	2120	.980	----	31	1794 -	3	207.00B	7.50A
2760	31.00		57.00	17.50A	----		55.40+	2200	.988	----	92	1505 -	16	281.50B	8.50A
2765	27.75		59.00	21.00A	----		60.30+	2260	.994	----	55	1514 +	1	215.00B	9.50A
2770	55.00		63.25B	24.75A	----		65.20+	2290	.997	----	4	1983 +	1	287.25B	10.75A
2775	52.00		68.25B	30.25A	----		70.10+	2310	.999	----	12	1759 +	1	290.00B	12.00A
2780	41.50		73.25B	35.50A	----		75.10+	2320	.999	----	38	6651 -	1	293.00B	13.75A
2785	40.75		78.25B	40.25A	----		80.10+	2330	.999	----	2	305 -	1	231.25B	16.25A
2790	77.00		81.75B	46.75A	----		85.10+	2340	.999	----	5	735 +	2	299.00B	18.50A
2795	----		----	50.00A	----		90.00+	2340	.999	----	----	812	UNCH	239.50B	21.00A
2800	----		----	----	----		95.00+	2340	.999	----	----	1025	UNCH	305.00B	23.50A
2805	----		----	----	----		100.00+	2340	.999	----	----	16	UNCH	248.25B	26.00A
2810	----		----	----	----		105.00+	2350	1.000	----	22	634	UNCH	311.25B	28.75A
2815	----		----	----	----		110.00+	2350	1.000	----	----	247	UNCH	257.00B	31.75A
2820	----		----	----	----		115.00+	2350	1.000	----	----	93	UNCH	317.75B	34.75A
2825	----		----	----	----		120.00+	2350	1.000	----	----	204	UNCH	321.25B	38.25A
2830	----		----	----	----		125.00+	2350	1.000	----	----	225	UNCH	324.50B	41.75A
2835	----		----	----	----		130.00+	2350	1.000	----	----	1	UNCH	274.75B	45.50A
2840	----		----	----	----		135.00+	2350	1.000	----	----	101	UNCH	331.25B	49.50A
2850	----		----	----	----		145.00+	2355	1.000	----	----	376	UNCH	338.25B	58.50A
2860	----		----	----	----		155.00+	2355	1.000	----	----	222	UNCH	345.00B	67.50A
2870	----		----	----	----		164.95+	2350	1.000	----	----	79	UNCH	352.25B	78.25A
2875	----		----	----	----		169.95+	2350	1.000	----	----	30	UNCH	356.00B	80.50A
2880	----		----	----	----		174.95+	2350	1.000	----	----	174	UNCH	359.75B	82.25A
2890	----		----	----	----		184.95+	2350	1.000	----	----	73	UNCH	367.50B	86.00A
2900	----		----	----	----		194.95+	2350	1.000	----	----	36	UNCH	375.25B	90.00A
2910	----		----	----	----		204.95+	2350	1.000	----	----	2	UNCH	383.25B	94.25A
2920	----		----	----	----		214.95+	2350	1.000	----	----	5	UNCH	391.25B	98.75A
2925	----		----	----	----		219.95+	2350	1.000	----	----	30	UNCH	395.25B	101.00A
2930	----		----	----	----		224.95+	2350	1.000	----	----	10	UNCH	399.50B	103.25A
2940	----		----	----	----		234.95+	2350	1.000	----	----	5	UNCH	407.75B	108.25A
2950	----		----	----	----		244.95+	2350	1.000	----	----	1	UNCH	416.25B	113.50A
2960	----		----	----	----		254.95+	2350	1.000	----	----	6	UNCH	411.25B	119.00A
2970	----		----	----	----		264.95+	2350	1.000	----	----	3	UNCH	420.00B	124.75A
2975	----		----	----	----		269.95+	2350	1.000	----	----	2	UNCH	424.50B	127.75A
2980	----		----	----	----		274.95+	2350	1.000	----	----	1	UNCH	428.75B	130.75A
2990	----		----	----	----		284.95+	2350	1.000	----	----	2	UNCH	437.75B	137.00A
3000	----		----	----	----		294.95+	2350	1.000	----	----	662	UNCH	444.25B	143.25A
3010	----		----	----	----		304.95+	2350	1.000	----	----	1	UNCH	447.50B	150.00A
3020	----		----	----	----		314.95+	2350	1.000	----	----	58	UNCH	377.25B	157.00A
3025	----		----	----	----		319.95+	2350	1.000	----	----	2	UNCH	382.00B	160.75A
3030	----		----	----	----		324.95+	2350	1.000	----	----	1	UNCH	387.00B	164.25A
3060	----		----	----	----		354.95+	2350	1.000	----	----	1	UNCH	416.50B	191.50A
3070	----		----	----	----		364.95+	2350	1.000	----	----	2	UNCH	426.50B	199.50A
3075	----		----	----	----		369.95+	2350	1.000	----	----	2	UNCH	431.50B	203.75A
3080	----		----	----	----		374.95+	2350	1.000	----	----	1	UNCH	436.25B	208.00A
3090	----		----	----	----		384.95+	2350	1.000	----	----	1	UNCH	446.25B	216.50A
3100	----		----	----	----		394.95+	2355	1.000	----	----	1	UNCH	456.25B	223.75A
3120	----		----	----	----		414.95+	2355	1.000	----	----	1	UNCH	373.25B	243.00A
3125	----		----	----	----		419.95+	2355	1.000	----	----	1	UNCH	378.25B	247.50A
3140	----		----	----	----		434.95+	2355	1.000	----	----	1	UNCH	392.50B	322.00A
3150	----		----	----	----		444.95+	2355	1.000	----	----	1	UNCH	402.50B	331.50A
3160	----		----	----	----		454.95+	2355	1.000	----	----	4	UNCH	412.25B	341.25A
3170	----		----	----	----		464.95+	2355	1.000	----	----	1	UNCH	422.00B	351.00A
3175	----		----	----	----		469.95+	2355	1.000	----	----	22	UNCH	564.25B	355.75A
3180	----		----	----	----		474.95+	2355	1.000	----	----	1	UNCH	431.75B	360.75A
3200	----		----	----	----		494.90+	2350	1.000	----	----	1	UNCH	451.50B	380.25A
3260	----		----	----	----		554.90+	2350	1.000	----	----	2	UNCH	510.75B	439.00A
3270	----		----	----	----		564.90+	2350	1.000	----	----	2	UNCH	658.50B	448.75A
3275	----		----	----	----		569.90+	2350	1.000	----	----	1	UNCH	525.50B	453.50A
3280	----		----	----	----		574.90+	2350	1.000	----	----	2	UNCH	530.50B	458.50A
3290	----		----	----	----		584.90+	2350	1.000	----	----	1	UNCH	540.25B	468.25A
3300	----		----	----	----		594.90+	2350	1.000	----	----	204	UNCH	550.25B	478.25A
3320	----		----	----	----		614.90+	2350	1.000	----	----	1	UNCH	683.75B	497.75A
3325	----		----	----	----		619.90+	2350	1.000	----	----	1	UNCH	575.00B	502.75A
4000	----		----	----	----		1294.80+	2355	1.000	----	----	5	UNCH	----	----
TOTAL											149303	451497 +	32890		
JUL18	EOM EMINI S&P P						CAB								
1000	----		----	----	----		.05	UNCH	.000	----	----	30	UNCH	----	.10A
1025	----		----	----	----		.05-	5	.000	----	----	240	UNCH	4.95B	.10A
1075	----		*.05A	----	----		.05-	5	.000	----	----	96	UNCH	6.00B	.05A
1100	----		.05A	----	----		.05-	5	.000	----	----	136	UNCH	6.50B	.05
1125	----		*.05A	----	----		.05-	5	.000	----	----	13			



FINAL

PG48	BULLETIN #123@	E-MINI S&P 500 PUT OPTIONS								wed, Jun 27, 2018				PG48
1950	----	.90B	.60A	----	1.00+	25	.007	----	2	343	UNCH	64.00B	.55A	
1960	----	.95B	.65A	----	1.05+	25	.007	----	----	407	UNCH	65.25B	.55A	
1970	----	1.00B	.65A	----	1.10+	30	.007	----	----	123	UNCH	66.75B	.55A	
1975	----	1.00B	.65A	----	1.10+	25	.007	----	----	708	UNCH	67.25B	.60A	
1980	----	1.05B	.70A	----	1.10+	25	.007	----	----	105	UNCH	68.25B	.60A	
1990	----	1.05B	.70A	----	1.15+	30	.008	----	----	248	UNCH	69.25B	.60A	
2000	0.95	1.10B	.70A	----	1.20+	30	.008	----	4	1175	UNCH	71.00	.55	
2010	----	1.15B	.75A	----	1.25+	30	.009	----	----	33	UNCH	72.25B	.65A	
2020	----	1.20B	.75A	----	1.25+	30	.009	----	----	426	UNCH	73.75B	.65A	
2025	----	1.20B	.80A	----	1.30+	35	.009	----	1	214 +	1	74.50B	.65A	
2030	1.05	1.25B	.80A	----	1.30+	30	.009	----	1	136 +	1	75.25B	.70A	
2040	----	1.25B	.80A	----	1.35+	35	.010	----	----	70	UNCH	77.00B	.70A	
2050	1.25	1.30B	.85A	----	1.40+	35	.010	----	1	1040 -	1	78.50B	.70A	
2060	----	1.35B	.90A	----	1.45+	35	.011	----	----	314	UNCH	80.00	.75A	
2070	----	1.40B	.90A	----	1.50+	40	.011	----	----	299	UNCH	81.50B	.75A	
2075	----	1.45B	.95A	----	1.50+	35	.011	----	----	37	UNCH	82.50B	.80A	
2080	----	1.45B	.95A	----	1.55+	40	.012	----	----	105	UNCH	83.25B	.80A	
2090	----	1.55B	1.00A	----	1.60+	40	.012	----	----	9	UNCH	85.00B	.80A	
2100	1.60	1.65	1.00	----	1.65+	40	.013	----	129	1229 +	20	86.50B	.85	
2110	----	1.65B	1.05A	----	1.70+	40	.013	----	----	57	UNCH	88.25B	.90A	
2120	----	1.70B	1.10A	----	1.80+	45	.014	----	----	114	UNCH	90.00B	.90A	
2125	1.50	1.75B	1.10A	----	1.80+	45	.014	----	59	113 +	50	90.75B	.95A	
2130	----	1.75B	1.15A	----	1.85+	45	.014	----	----	254	UNCH	91.75B	.95A	
2140	----	1.85B	1.15A	----	1.90+	45	.015	----	----	219	UNCH	93.50B	1.00A	
2150	1.75	1.90B	1.20A	----	2.00+	50	.016	----	10	803	UNCH	95.25B	1.00A	
2160	----	1.95B	1.25A	----	2.05+	50	.016	----	----	261	UNCH	97.00B	1.05A	
2170	1.75	2.10	1.30A	----	2.15+	55	.017	----	56	825 +	20	99.00B	1.05A	
2175	1.75	2.10B	1.35A	----	2.20+	55	.018	----	272	892 +	254	100.00B	1.10A	
2180	----	2.10B	1.35A	----	2.25+	60	.018	----	----	318	UNCH	101.00B	1.10A	
2190	----	2.20B	1.40A	----	2.30+	55	.019	----	----	348	UNCH	103.00B	1.15A	
2200	2.05	2.30B	1.40	----	2.40+	60	.020	----	67	755 +	11	105.00B	1.20	
2210	----	2.40B	1.50A	----	2.45+	60	.021	----	----	332	UNCH	107.00B	1.25A	
2220	2.40	2.50B	1.55A	----	2.55+	60	.022	----	71	284 -	27	109.00B	1.25A	
2225	----	2.55B	1.60A	----	2.60+	60	.022	----	----	231	UNCH	110.00B	1.30A	
2230	----	2.60B	1.65A	----	2.65+	60	.023	----	----	330	UNCH	111.00B	1.30A	
2240	----	2.70B	1.70A	----	2.75+	65	.024	----	97	185 -	97	113.00B	1.35A	
2250	2.00	2.80B	1.75A	----	2.85+	65	.025	----	101	1348 -	1	115.25B	1.40A	
2260	2.25	2.90B	1.80A	----	2.95+	65	.026	----	13	436 -	13	117.50B	1.45A	
2270	1.90	3.05B	1.90	----	3.10+	75	.028	----	306	398 +	60	119.75B	1.50A	
2275	----	3.15B	1.90A	----	3.15+	75	.028	----	----	541	UNCH	120.75B	1.55A	
2280	----	3.20B	1.95A	----	3.25+	80	.029	----	5	613 +	5	121.75B	1.60A	
2290	2.40	3.35B	2.05A	----	3.35+	80	.031	----	72	528	UNCH	124.25B	1.65A	
2300	3.60	3.60	2.10A	----	3.55+	85	.033	----	70	2116 +	60	126.50B	1.70A	
2305	----	3.55B	2.15A	----	3.60+	85	.033	----	----	203	UNCH	40.75B	1.75A	
2310	----	3.65B	2.20A	----	3.70+	90	.034	----	----	429	UNCH	129.00B	1.80A	
2315	2.20	3.75B	2.20	----	3.80+	95	.035	----	1	263 -	1	42.25B	1.80A	
2320	3.00	3.85B	2.30A	----	3.90+	95	.036	----	18	188 -	15	131.25B	1.85A	
2325	2.85	3.90B	2.35	----	4.00+	100	.037	----	46	585 +	43	132.50B	1.90A	
2330	2.85	4.00B	2.40A	----	4.10+	105	.039	----	2	181 -	2	133.50B	1.95A	
2335	2.40	4.10B	2.40	----	4.20+	105	.040	----	11	250 -	11	54.25B	2.00A	
2340	3.45	4.20B	2.50A	----	4.30+	110	.041	----	2	108 -	1	136.25B	2.00A	
2345	2.50	4.30B	2.50	----	4.40+	115	.042	----	11	120 -	1	56.00B	2.05A	
2350	2.70	4.45B	2.60	----	4.55+	120	.043	----	2301	5758 +	2003	138.75B	2.10A	
2355	3.15	4.55B	2.65A	----	4.65+	125	.045	----	25	320 -	25	58.00B	2.15A	
2360	3.10	4.65B	2.70A	----	4.80+	135	.046	----	65	196 +	28	141.25B	2.20A	
2365	----	4.80B	2.80A	----	4.95+	140	.048	----	2	740 -	2	60.00B	2.25A	
2370	----	4.90B	2.85A	----	5.10+	150	.049	----	3	671 +	3	143.75B	2.30A	
2375	3.45	5.00B	2.90A	----	5.20+	150	.050	----	56	1146 +	40	145.00B	2.35A	
2380	----	5.00B	2.95A	----	5.40+	160	.052	----	7	443 +	3	146.50B	2.40A	
2385	----	5.25B	3.05A	----	5.50+	160	.054	----	----	155	UNCH	64.50B	2.45A	
2390	3.20	5.50	3.10A	----	5.70+	170	.056	----	41	665	UNCH	149.00B	2.50A	
2395	----	5.50B	3.20A	----	5.80+	170	.057	----	----	181	UNCH	66.75B	2.60A	
2400	4.50	6.00	3.25	----	5.90+	165	.058	----	2465	6014 +	1905	151.75B	2.60	
2405	3.75	5.75B	3.35A	----	6.10+	175	.060	----	16	336 -	15	69.00B	2.70A	
2410	5.25	6.00B	3.45A	----	6.20+	170	.062	----	3	681 +	2	154.50B	2.75A	
2415	3.75	6.25B	3.55A	----	6.40+	175	.064	----	1	151	UNCH	71.25B	2.80A	
2420	----	6.50B	3.60A	----	6.60+	180	.066	----	----	186	UNCH	157.25B	2.90A	
2425	4.00	7.00	3.70A	----	6.70+	175	.068	----	6	580 +	1	158.75B	2.95A	
2430	4.00	6.75B	3.80A	----	6.90+	180	.070	----	135	612 +	75	160.25B	3.00A	
2435	4.05	7.00B	3.90A	----	7.10+	190	.072	----	31	385 +	10	76.50B	3.10A	
2440	6.75	7.25B	4.00A	----	7.30+	190	.075	----	6	138 +	1	163.25B	3.15A	
2445	----	7.50B	4.10A	----	7.50+	200	.077	----	5	370	UNCH	79.00B	3.25A	
2450	4.55	7.75	4.25A	----	7.70+	200	.079	----	437	1501 -	381	166.00B	3.30A	
2455	----	8.00B	4.35A	----	8.00+	220	.082	----	----	461	UNCH	81.75B	3.40A	
2460	----	8.25B	4.45A	----	8.30+	230	.085	----	----	362	UNCH	169.00B	3.45A	
2465	8.00	8.50B	4.60A	----	8.50+	240	.088	----	8	287 +	8	84.25B	3.55A	
2470	----	8.75B	4.75A	----	8.80+	250	.091	----	2	641 -	2	172.25B	3.65A	
2475	5.00	9.00B	4.85A	----	9.00+	250	.094	----	10	869 +	5	173.75B	3.75A	
2480	5.75	9.50	5.00A	----	9.30+	270	.097	----	301	784 +	18	175.25B	3.80A	
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PG48	BULLETIN #123@				E-MINI S&P 500 PUT OPTIONS				wed, Jun 27, 2018				PG48	
2755	53.00	68.75B	40.50A	----	69.30+	1740	.690	----	5	865	-	2	220.50B	25.00A
2760	----	71.75B	42.50A	----	72.20+	1780	.712	----	----	636	UNCH	1	290.00B	26.25A
2765	75.00	75.00	44.75A	----	75.30+	1830	.733	----	1	315	-	1	223.75B	27.75A
2770	----	78.25B	47.00A	----	78.60+	1880	.753	----	----	695	UNCH	1	295.50B	29.25A
2775	----	81.75B	49.50A	----	82.00+	1920	.773	----	----	646	UNCH	1	298.50B	30.75A
2780	----	85.25B	52.25A	----	85.50+	1960	.792	----	----	206	UNCH	1	301.50B	32.25A
2785	57.00	88.75B	55.00A	----	89.20+	2010	.811	----	1	275	-	1	237.50B	34.00A
2790	----	92.75B	57.75A	----	93.00+	2050	.829	----	----	171	UNCH	1	307.25B	35.75A
2795	----	96.50B	61.00A	----	97.00+	2100	.846	----	----	7	UNCH	1	245.50B	37.75A
2800	92.00	101.00	64.25A	----	101.00+	2130	.862	----	2	1287	UNCH	1	313.00B	39.75A
2805	----	104.00B	67.50A	----	105.10+	2160	.877	----	----	20	UNCH	1	253.50B	42.00A
2810	----	108.25B	71.00A	----	109.40+	2200	.891	----	----	77	UNCH	1	319.25B	44.25A
2820	80.25	117.00B	78.75A	----	118.10+	2240	.916	----	1	16	+	1	325.25B	49.50A
2825	----	121.50B	83.75A	----	122.60+	2250	.926	----	----	33	UNCH	1	328.75B	52.25A
2830	----	126.00B	88.00A	----	127.20+	2270	.935	----	----	1	UNCH	1	332.00B	55.00A
2835	----	130.75B	92.25A	----	131.90+	2290	.944	----	----	5	UNCH	1	278.50B	58.00A
2840	----	135.50B	97.00A	----	136.60+	2300	.951	----	----	2	UNCH	1	338.50B	61.25A
2845	----	140.25B	102.25A	----	141.30+	2310	.957	----	----	16	UNCH	1	287.25B	64.50A
2850	----	145.00B	108.25A	----	146.10+	2310	.962	----	----	875	UNCH	1	344.75B	68.00A
2855	----	149.75B	112.75A	----	150.90+	2320	.968	----	----	4	UNCH	1	296.00B	71.50A
2860	----	154.50B	117.50A	----	155.70+	2320	.972	----	----	124	UNCH	1	351.75B	75.25A
2865	----	159.50B	122.25A	----	160.60+	2330	.975	----	----	113	UNCH	1	304.75B	79.00A
2870	----	164.25B	127.25A	----	165.50+	2330	.978	----	----	51	UNCH	1	358.75B	83.00A
2875	----	166.75B	132.00A	----	170.40+	2330	.980	----	----	7	UNCH	1	362.50B	87.00A
2880	----	171.75B	137.00A	----	175.30+	2330	.982	----	----	27	UNCH	1	364.75B	91.25A
2900	----	191.50B	----	----	195.10+	2340	.988	----	----	37	UNCH	1	379.75B	109.00A
2910	----	201.50B	----	----	205.00+	2340	.990	----	----	51	UNCH	1	387.50B	118.00A
2920	----	209.00B	----	----	215.00+	2350	.992	----	----	1	UNCH	1	395.25B	127.50A
2925	----	214.00B	----	----	219.90+	2340	.992	----	----	65	UNCH	1	399.25B	134.75A
2930	----	219.00B	----	----	224.90+	2340	.993	----	----	4	UNCH	1	403.25B	139.50A
2940	----	228.50B	----	----	234.90+	2350	.993	----	----	2	UNCH	1	411.25B	149.25A
2950	----	238.25B	----	----	244.80+	2350	.995	----	----	169	UNCH	1	419.50B	158.75A
2960	----	249.00B	----	----	254.80+	2350	.995	----	----	1	UNCH	1	411.50B	170.25A
2970	----	259.25B	----	----	264.70+	2350	.996	----	----	1	UNCH	1	420.00B	178.50A
2975	----	263.75B	----	----	269.70+	2350	.996	----	----	1	UNCH	1	424.50B	182.25A
2980	----	268.75B	----	----	274.70+	2350	.996	----	----	1	UNCH	1	429.00B	186.00A
3000	----	----	----	----	294.60+	2350	.997	----	----	33	UNCH	1	446.75B	208.50
3025	----	----	----	----	319.60+	2360	.999	----	----	1	UNCH	1	466.25B	261.50A
3150	----	----	----	----	444.20+	2350	.999	----	----	1	UNCH	1	487.50B	458.00A
3230	----	----	----	----	524.05+	2350	1.000	----	----	1	UNCH	1	----	566.50A
3370	----	----	----	----	663.80+	2350	1.000	----	----	1	UNCH	1	----	----
3375	----	----	----	----	668.80+	2350	1.000	----	----	2	UNCH	1	727.00B	697.75A
TOTAL									21734	160307	+	12833		
AUG18	EOM	EMINI	S&P	P	CAB									
500	----	----	----	----	.15+	5	.000	----	----	34	UNCH	----	----	----
1000	----	----	----	----	.15	UNCH	.000	----	----	202	UNCH	1	.35B	.15A
1025	----	----	----	----	.20+	5	.000	----	----	9	UNCH	1	.90B	.40A
1075	----	----	----	----	.20+	5	.000	----	----	1	UNCH	1	1.10B	.15A
1100	----	----	----	----	.25+	5	.000	----	----	7	UNCH	1	1.25B	.10A
1125	----	----	----	----	.25+	5	.000	----	----	4	UNCH	1	1.40B	.15A
1150	0.15	.15	.15	----	.25+	5	.000	----	1	13	+	1	1.50B	.15
1175	----	.15A	.15A	----	.25+	5	.001	----	----	38	UNCH	1	1.70B	.15
1200	----	.15A	.15A	----	.30+	5	.001	----	----	40	UNCH	1	1.85B	.10
1225	----	.20A	.20A	----	.30+	5	.001	----	----	24	UNCH	1	2.05B	.20A
1250	----	.20A	.20A	----	.35+	10	.001	----	----	11	UNCH	1	2.25B	.20A
1275	----	.25A	.25A	----	.35+	5	.001	----	----	2	UNCH	1	2.45B	.25A
1300	----	.25A	.40+	----	.40+	10	.001	----	----	183	UNCH	1	2.70B	.25A
1325	----	.35B	.45+	----	.45+	15	.001	----	----	10	UNCH	1	2.95B	.25A
1350	----	----	.30A	----	.45+	10	.001	----	----	4	UNCH	1	3.20B	.30A
1375	----	----	.35A	----	.50+	10	.002	----	----	240	UNCH	1	3.50B	.30A
1400	----	.45B	.35A	----	.55+	15	.002	----	----	433	UNCH	1	3.80B	.30A
1450	----	.45A	.60+	----	.60+	10	.002	----	----	359	UNCH	1	4.50B	.40A
1475	----	.45A	.65+	----	.65+	10	.003	----	----	381	UNCH	1	4.90B	.40A
1500	----	.50A	.70+	----	.70+	10	.003	----	----	769	UNCH	1	5.25B	.45A
1525	----	.55A	.75+	----	.75+	10	.003	----	----	726	UNCH	1	5.75B	.45A
1550	----	.55A	.80+	----	.80+	10	.003	----	----	503	UNCH	1	6.25B	.45
1575	0.85	.85	.60A	----	.85+	10	.004	----	1	321	+	1	6.75B	.55A
1600	----	.85B	.65A	----	.90+	10	.004	----	----	936	UNCH	1	7.25B	.55A
1625	----	.90B	.70A	----	1.00+	15	.005	----	----	150	UNCH	1	7.75B	.60A
1650	1.05	1.10	.80A	----	1.05+	15	.005	----	121	249	+	121	8.50B	.60
1660	1.10	1.15	.80A	----	1.10+	15	.005	----	3	101	+	1	8.75B	.65A
1670	1.10	1.15	.80A	----	1.10+	NEW	.005	----	5	5	+	5	9.00B	.70A
1675	1.10	1.15	.85A	----	1.10+	10	.005	----	2	16	UNCH	1	9.25B	.65
1680	1.15	1.15	.85A	----	1.15+	15	.005	----	2	5	+	2	9.25B	.70A
1690	1.15	1.15	.85A	----	1.15+	15	.006	----	1	2	+	1	9.50B	.70A
1700	1.20	1.25	.90A	----	1.20+	15	.006	----	3	161	+	3	10.00B	.75A
1710	1.25	1.25	.90A	----	1.25+	20	.006	----	1	3	+	1	10.25B	.75A
1720	----	1.20B	.95A	----	1.25+	15	.006	----	----	30	UNCH	1	10.50B	.75A
1725	----	1.20B	.95A	----	1.30+	20	.006	----	----	211	UNCH	1	10.75B	.80A
1730	1.05	1.25B	.95A	----	1.30+	NEW	.006	----	1					



FINAL

PG48	BULLETIN #123@				E-MINI S&P 500 PUT OPTIONS				Wed, Jun 27, 2018				PG48
2210	5.00	6.25B	4.15A	----	6.20+	120	.042	----	104	268 +	86	43.25B	3.15A
2220	6.00	6.50B	4.30A	----	6.50+	130	.044	----	5	302	UNCH	44.75B	3.25A
2225	6.25	6.50B	4.40A	----	6.60+	130	.045	----	39	423 +	1	45.50B	3.30A
2230	----	6.75B	4.50A	----	6.70+	130	.046	----	11	187 +	11	46.25B	3.40A
2240	7.00	7.25	4.65A	----	7.00+	140	.048	----	43	294 -	18	47.75B	3.55A
2250	7.25	7.25	4.80A	----	7.20+	140	.050	----	75	560 +	21	49.25B	3.65
2260	7.50	8.00	5.00A	----	7.50+	150	.052	----	58	485 +	18	51.00B	3.80A
2270	----	7.75B	5.25A	----	7.80+	160	.055	----	9	305 +	5	52.75B	3.95A
2275	----	8.00B	5.50A	----	7.90+	150	.056	----	34	178 +	34	53.50B	4.00A
2280	7.50	8.25B	5.50A	----	8.10+	160	.057	----	24	189 +	16	54.25B	4.05A
2290	----	8.50B	5.75A	----	8.40+	160	.060	----	----	312	UNCH	56.25B	4.20A
2300	8.75	8.75	6.00A	----	8.80+	160	.063	----	9	679 +	1	58.00B	4.35A
2305	----	9.00B	6.00A	----	9.00+	170	.064	----	----	263	UNCH	50.25B	4.45A
2310	----	9.25B	6.25A	----	9.20+	180	.066	----	34	144 +	32	59.75B	4.55A
2315	8.75	9.50B	6.25A	----	9.50+	200	.068	----	10	108	UNCH	52.00B	4.65A
2320	----	9.75B	6.50A	----	9.70+	210	.069	----	20	68 +	1	61.75B	4.65A
2325	----	9.75B	6.50A	----	9.90+	210	.071	----	----	350	UNCH	62.75B	4.75A
2330	----	10.00B	6.75A	----	10.10+	220	.073	----	----	108	UNCH	63.75B	4.85A
2335	9.75	10.25B	6.75A	----	10.30+	220	.074	----	20	139 +	20	64.75B	4.95A
2340	9.50	10.50B	7.00A	----	10.50+	220	.076	----	2	219 -	2	65.75B	5.00A
2345	----	10.75B	7.00A	----	10.70+	220	.078	----	----	266	UNCH	67.00B	5.25A
2350	9.50	11.00	7.25A	----	11.00+	230	.080	----	64	417 +	19	68.00B	5.25
2355	9.50	11.25B	7.25A	----	11.20+	230	.081	----	10	310	UNCH	69.00B	5.25A
2360	----	11.50B	7.50A	----	11.50+	240	.084	----	----	96	UNCH	70.00B	5.50A
2365	----	11.75B	7.75A	----	11.70+	240	.085	----	----	68	UNCH	71.25B	5.50
2370	----	12.00B	7.75A	----	12.00+	250	.088	----	----	72	UNCH	72.25B	5.75A
2375	----	12.25B	8.00A	----	12.20+	250	.089	----	----	86	UNCH	73.50B	5.75A
2380	----	12.50B	8.25A	----	12.50+	260	.092	----	3	177 +	3	74.75B	6.00A
2385	----	12.75B	8.25A	----	12.70+	260	.094	----	----	60	UNCH	75.75B	6.00A
2390	12.25	13.00B	8.50A	----	13.00+	270	.096	----	20	130	UNCH	77.00B	6.25A
2395	13.75	13.75	8.75A	----	13.20+	260	.098	----	2	229 +	2	78.25B	6.25A
2400	12.50	13.75	9.00	----	13.50+	270	.100	----	41	534 +	22	79.50B	6.50A
2405	----	14.00B	9.00A	----	13.80+	280	.103	----	----	170	UNCH	80.75B	6.50A
2410	----	14.25B	9.25A	----	14.10+	280	.105	----	----	243	UNCH	82.00B	6.75A
2415	----	14.50B	9.50A	----	14.40+	280	.108	----	----	302	UNCH	83.25B	6.75A
2420	----	15.00B	9.75A	----	14.80+	300	.111	----	5	91	UNCH	84.50B	7.00A
2425	13.75	15.25B	10.00A	----	15.20+	310	.114	----	14	1312 -	11	85.75B	7.00A
2430	----	15.50B	10.25A	----	15.50+	310	.116	----	----	564	UNCH	87.25B	7.25A
2435	----	16.00B	10.25A	----	15.90+	320	.120	----	----	306	UNCH	88.50B	7.50A
2440	13.00	16.50B	10.50A	----	16.30+	330	.123	----	2	196	UNCH	90.00B	7.50A
2445	11.50	16.75B	10.75A	----	16.70+	340	.126	----	34	157 +	34	91.25B	7.75A
2450	13.75	17.25	11.00A	----	17.10+	350	.129	----	67	5654 -	5	92.75B	8.00A
2455	17.50	17.50	11.25A	----	17.50+	350	.132	----	3	287 +	3	93.75B	8.00A
2460	17.50	18.00B	11.50A	----	17.90+	360	.136	----	8	485 +	6	95.25B	8.25A
2465	17.75	18.50B	11.75A	----	18.30+	370	.139	----	11	254	UNCH	96.75B	8.50A
2470	17.75	18.75B	12.25A	----	18.70+	370	.142	----	4	365 -	2	98.25B	8.75A
2475	----	19.25B	12.50A	----	19.20+	390	.146	----	21	275 -	2	99.75B	8.75A
2480	19.25	19.75B	12.75A	----	19.60+	390	.150	----	6	131 -	3	101.25B	9.00A
2485	19.50	20.25B	13.00A	----	20.10+	410	.154	----	1	109 -	1	102.75B	9.25A
2490	20.00	20.75B	13.25A	----	20.60+	420	.158	----	3	549 +	1	104.50B	9.50A
2495	20.00	21.25B	13.75A	----	21.10+	430	.162	----	35	268 -	11	106.00B	9.75A
2500	20.00	21.75B	14.00A	----	21.60+	440	.166	----	306	887 +	187	107.75B	10.00A
2505	----	22.25B	14.25A	----	22.20+	460	.170	----	----	300	UNCH	109.50B	10.25A
2510	20.75	22.75B	14.75A	----	22.70+	460	.175	----	3	219	UNCH	111.25B	10.50A
2515	----	23.25B	15.00A	----	23.30+	480	.179	----	----	242	UNCH	112.75B	10.50A
2520	22.00	23.75B	15.25A	----	23.90+	490	.184	----	1	286	UNCH	114.50B	10.75A
2525	22.50	24.50B	15.75A	----	24.40+	500	.189	----	20	275 -	20	116.25B	11.25A
2530	16.75	25.00B	16.00A	----	25.00+	510	.193	----	1	189	UNCH	118.00B	11.50A
2535	19.50	25.75B	16.50A	----	25.60+	520	.198	----	21	263 -	20	120.00B	11.75A
2540	24.25	26.25B	17.00A	----	26.20+	530	.204	----	9	263 +	9	121.75B	12.00A
2545	23.75	27.00B	17.25A	----	26.90+	550	.209	----	15	171 +	15	123.50B	12.25A
2550	18.75	27.75B	17.75A	----	27.60+	560	.215	----	22	3115	UNCH	125.50B	12.50A
2555	21.75	28.25B	18.25A	----	28.40+	590	.221	----	25	188 -	12	127.25B	12.75A
2560	22.25	29.00B	18.75A	----	29.10+	600	.226	----	133	557	UNCH	129.25B	13.25A
2565	20.50	29.75B	19.25A	----	29.90+	620	.233	----	67	274 -	47	131.25B	13.50A
2570	----	30.50B	19.75A	----	30.70+	640	.239	----	----	252	UNCH	133.25B	13.75A
2575	22.75	31.50B	20.25A	----	31.50+	650	.245	----	320	3832 -	151	135.25B	14.25A
2580	28.25	32.25B	20.75A	----	32.40+	680	.252	----	108	229 +	78	137.25B	14.50A
2585	27.25	33.00B	21.25A	----	33.20+	690	.259	----	40	288	UNCH	139.00B	15.00A
2590	25.75	34.00B	22.00A	----	34.10+	710	.266	----	2441	12554 -	19	141.25B	15.25A
2595	26.75	34.75B	22.50A	----	34.90+	720	.272	----	27	372 -	9	143.25B	15.75A
2600	23.00	36.75	23.00	----	35.90+	740	.280	----	528	1547 +	8	145.50B	16.25A
2605	27.75	36.50B	23.75A	----	36.80+	760	.287	----	93	214 +	50	147.50B	16.75A
2610	31.50	37.50B	24.50A	----	37.70+	770	.295	----	4	183 -	4	149.75B	17.00A
2615	29.75	38.50B	25.00A	----	38.70+	790	.303	----	276	330 -	9	152.00B	17.50A
2620	----	39.50B	25.75A	----	39.70+	810							



FINAL

PG48		BULLETIN #123@		E-MINI S&P 500 PUT OPTIONS								wed, Jun 27, 2018				PG48	
2910	----		201.50B	168.00A	----	205.90+	2290	.964	----	----	4	UNCH	308.25B	123.50A			
2925	----		215.50B	184.00A	----	220.50+	2310	.973	----	----	1	UNCH	321.50B	137.00A			
2950	----		240.00B	208.25A	----	245.00+	2330	.982	----	----	1	UNCH	343.75B	159.25A			
2960	----		249.00B	218.00A	----	254.80+	2330	.985	----	----	1	UNCH	353.00B	168.75A			
3000	----		288.50B	----	----	294.40+	2340	.992	----	----	230	UNCH	374.50B	208.25A			
3100	----		----	----	----	393.90+	2350	.997	----	----	200	UNCH	----	----			
4000	----		----	----	----	1290.55+	2350	1.000	----	----	1	UNCH	----	----			
TOTAL											8475	80242 +	986				
SEP18		EOM	EMINI	S&P	P												
500	----		----	----	----	CAB	----	.000	----	----	560	UNCH	----	----			
1100	----		----	----	----	.25+	5	.000	----	----	10	UNCH	1.15B	.25			
1175	----		----	----	----	.35+	5	.001	----	----	100	UNCH	1.40B	.30A			
1300	----		----	*.40A	----	.50+	5	.002	----	----	1	UNCH	2.05B	.40A			
1350	----		----	.45A	----	.60+	5	.002	----	----	317	UNCH	2.45B	.40A			
1375	----		----	.50A	----	.65+	5	.002	----	----	3	UNCH	2.65B	.40			
1400	----		----	.55A	----	.70+	5	.003	----	----	3	UNCH	3.45	.45			
1425	----		----	.60A	----	.75+	5	.003	----	----	32	UNCH	3.15B	.50A			
1500	----		.90B	.75A	----	.95+	10	.004	----	----	1	UNCH	4.00B	.60A			
1550	----		1.05B	.85A	----	1.10+	10	.005	----	----	10	UNCH	4.70B	.70A			
1575	----		1.15B	.90A	----	1.20+	15	.005	----	----	10	UNCH	5.00B	.75A			
1600	----		1.20B	1.00A	----	1.30+	15	.006	----	----	218	UNCH	5.50B	.80A			
1625	----		1.30B	1.10A	----	1.40+	15	.006	----	----	53	UNCH	6.00B	.90A			
1650	----		1.45B	1.15A	----	1.50+	20	.007	----	----	41	UNCH	6.50B	.95A			
1700	----		1.70B	1.35A	----	1.75+	25	.008	----	----	5	UNCH	7.75B	1.10A			
1750	----		1.95B	1.55A	----	2.05+	30	.010	----	----	13	UNCH	9.00B	1.25			
1775	----		2.10B	1.65A	----	2.20+	35	.011	----	----	42	UNCH	10.00B	1.35A			
1780	----		2.15B	1.70A	----	2.25+	35	.011	----	----	102	UNCH	10.25B	1.40A			
1800	----		2.30B	1.80A	----	2.40+	40	.012	----	----	112	UNCH	11.00B	1.45A			
1810	----		2.35B	1.85A	----	2.45+	40	.012	----	----	8	UNCH	11.25B	1.50A			
1825	----		2.50B	1.95A	----	2.60+	45	.013	----	----	137	UNCH	12.00B	1.55A			
1840	----		2.65B	2.05A	----	2.70+	45	.014	----	----	10	UNCH	12.50B	1.65A			
1850	----		2.70B	2.10A	----	2.80+	50	.014	----	----	319	UNCH	13.00B	1.70A			
1860	----		2.80B	2.15A	----	2.90+	55	.015	----	----	48	UNCH	13.50B	1.75A			
1870	----		2.90B	2.20A	----	3.00+	55	.015	----	----	9	UNCH	14.00B	1.80A			
1875	----		2.95B	2.25A	----	3.05+	55	.016	----	----	73	UNCH	14.25B	1.85A			
1880	----		3.00B	2.30A	----	3.10+	60	.016	----	----	100	UNCH	14.50B	1.85A			
1890	----		3.15B	2.35A	----	3.20+	60	.016	----	----	243	UNCH	15.00B	1.95A			
1900	2.60		3.25B	2.45A	----	3.30+	60	.017	----	15	102 -	15	15.50B	2.00			
1910	----		3.35B	2.50A	----	3.45+	65	.018	----	----	101	UNCH	16.00B	2.05A			
1925	----		3.55B	2.65A	----	3.60+	65	.019	----	350	876 +	287	16.75B	2.10A			
1930	----		3.60B	2.70A	----	3.70+	70	.019	----	----	8	UNCH	17.00B	2.20A			
1940	----		3.75B	2.75A	----	3.85+	70	.020	----	----	1	UNCH	17.75B	2.25A			
1950	----		3.85B	2.85A	----	3.95+	70	.021	----	----	72	UNCH	18.25B	2.30A			
1970	3.35		4.15B	3.05A	----	4.25+	75	.023	----	1	6 +	1	19.50B	2.45A			
1975	----		4.25B	3.10A	----	4.35+	80	.023	----	----	91	UNCH	19.75B	2.50A			
1980	3.45		4.30B	3.15A	----	4.40+	80	.023	----	2	187 +	2	20.25B	2.50A			
2000	----		4.60B	3.35A	----	4.70+	85	.025	----	----	269	UNCH	21.50B	2.70A			
2010	3.85		4.80B	3.45A	----	4.85+	85	.026	----	1	148 +	1	22.25B	2.80A			
2020	4.05		4.95B	3.60A	----	5.00+	85	.027	----	3	275 +	3	23.00B	2.90A			
2025	4.05		5.00B	3.65A	----	5.10+	90	.028	----	2	86 +	2	23.25B	2.95A			
2030	----		5.00B	3.70A	----	5.20+	95	.028	----	----	34	UNCH	23.75B	3.00A			
2040	----		5.25B	3.85A	----	5.40+	100	.030	----	----	100	UNCH	24.50B	3.05A			
2050	4.00		5.50B	3.95A	----	5.60+	100	.031	----	1870	5999 +	1847	25.25B	3.15A			
2060	4.55		5.75B	4.10A	----	5.80+	105	.032	----	2	44 +	2	26.25B	3.25A			
2070	----		5.75B	4.25A	----	6.00+	110	.033	----	----	231	UNCH	27.00B	3.40A			
2075	----		6.00B	4.35A	----	6.10+	110	.034	----	----	116	UNCH	27.50B	3.45A			
2080	----		6.00B	4.40A	----	6.20+	110	.035	----	----	82	UNCH	28.00B	3.50A			
2090	----		6.25B	4.55A	----	6.40+	110	.036	----	----	23	UNCH	29.00B	3.65A			
2100	6.75		7.00	4.70A	----	6.70+	120	.038	----	391	2039 +	391	29.75B	3.75A			
2110	----		6.75B	4.90A	----	6.90+	120	.039	----	----	7	UNCH	30.75B	3.90A			
2120	----		7.00B	5.25A	----	7.20+	130	.041	----	----	255	UNCH	31.75B	4.00A			
2125	----		7.25B	5.25A	----	7.30+	130	.041	----	----	201	UNCH	32.25B	4.10A			
2140	----		7.50B	5.50A	----	7.70+	130	.044	----	----	4	UNCH	34.00B	4.30A			
2150	6.25		8.00B	5.75A	----	8.00+	140	.046	----	66	3338	UNCH	35.00B	4.45A			
2160	----		8.25B	6.00A	----	8.30+	140	.048	----	----	238	UNCH	36.25B	4.60A			
2170	----		8.50B	6.25A	----	8.60+	140	.049	----	----	3	UNCH	37.50B	4.75A			
2175	6.25		8.75B	6.25	----	8.80+	150	.051	----	60	131 +	60	38.00B	4.85A			
2180	----		8.75B	6.50A	----	8.90+	150	.051	----	----	9	UNCH	38.50B	4.90A			
2190	----		9.25B	6.50A	----	9.30+	160	.054	----	----	163	UNCH	39.75B	5.25A			
2200	9.75		9.75	6.75A	----	9.60+	160	.056	----	100	760 -	100	48.25B	5.25A			
2210	9.75		9.75	7.00A	----	10.00+	170	.058	----	20	230 +	20	42.50B	5.50A			
2220	8.25		10.25B	7.25A	----	10.40+	180	.061	----	173	388 +	173	43.75B	5.75A			
2225	----		10.50B	7.50A	----	10.60+	180	.062	----	----	282	UNCH	44.50B	5.75A			
2230	8.50		10.75B	7.75A	----	10.80+	190	.063	----	40	181 +	40	53.00B	6.00			
2240	----		11.00B	8.00A	----	11.20+	190	.066	----	----	33	UNCH	46.75B	6.00A			
2250	----		11.50B	8.25A	----	11.60+	200	.068	----	----	204	UNCH	48.25B	6.25A			
2260	----		12.00B	8.50A	----	12.00+	210	.071	----	----	52	UNCH	49.75B	6.50A			
2270	----		12.50B	8.75A	----	12.50+	220	.074	----	----	32	UNCH	59.75B	6.75A			
2275	----		12.75B	9.00A	----	12.70+	220	.076	----	----	7998	UNCH	52.00B	7.00A			
2280	10.00		13.00B	9.25A	----	13.00+	230	.077	----	32	199 +	30	52.				



FINAL

PG48		BULLETIN #123@		E-MINI S&P 500 PUT OPTIONS										wed, Jun 27, 2018				PG48	
2670	----			65.50B	47.25A	----		65.80+	1090	.412	----	----	209	UNCH	167.50B	34.75A			
2675	63.25			67.00B	48.50A	----		67.30+	1110	.421	----	2	299 +	1	170.00B	35.75A			
2680	----			68.75B	49.75A	----		68.90+	1130	.430	----	----	150	UNCH	172.50B	36.50A			
2685	----			70.25B	51.00A	----		70.50+	1160	.439	----	----	10	UNCH	72.75B	38.25A			
2690	66.00			71.75B	52.25A	----		72.10+	1180	.449	----	2	244	UNCH	177.50B	38.50A			
2695	----			73.50B	53.50A	----		73.70+	1190	.459	----	----	45	UNCH	76.00B	40.25A			
2700	----			75.25B	54.75A	----		75.50+	1220	.469	----	----	782	UNCH	182.75B	40.25A			
2705	----			77.00B	56.00A	----		77.20+	1240	.479	----	----	16	UNCH	79.50B	42.25A			
2710	----			78.75B	57.50A	----		79.10+	1280	.489	----	----	640	UNCH	188.00B	42.50A			
2715	----			80.50B	59.00A	----		81.00+	1310	.500	----	----	285	UNCH	158.25B	43.50A			
2720	77.50			82.50B	60.50A	----		82.90+	1340	.510	----	1	63	UNCH	193.50B	44.50A			
2725	----			84.25B	62.00A	----		84.90+	1380	.521	----	----	682	UNCH	196.25B	45.75A			
2730	----			86.25B	63.50A	----		86.90+	1410	.532	----	----	62	UNCH	199.00B	47.00A			
2735	----			88.25B	65.00A	----		88.90+	1430	.543	----	----	22	UNCH	170.50B	48.25A			
2740	----			90.25B	66.75A	----		91.00+	1460	.555	----	----	299	UNCH	204.50B	49.50A			
2745	----			92.50B	68.50A	----		93.10+	1480	.566	----	----	48	UNCH	176.75B	50.75A			
2750	----			94.75B	70.25A	----		95.40+	1510	.578	----	----	4358	UNCH	210.75B	52.00A			
2755	----			97.00B	72.00A	----		97.70+	1530	.590	----	----	21	UNCH	99.25B	54.75A			
2760	----			99.25B	74.00A	----		100.10+	1560	.602	----	----	80	UNCH	216.75B	55.00A			
2770	----			104.25B	77.75A	----		105.00+	1620	.626	----	----	72	UNCH	222.75B	58.00A			
2775	----			106.75B	80.00A	----		107.50+	1640	.638	----	----	122	UNCH	226.25B	59.50A			
2780	----			109.50B	82.00A	----		110.10+	1650	.651	----	----	80	UNCH	229.25B	61.25A			
2785	----			112.00B	84.50A	----		112.80+	1680	.663	----	----	108	UNCH	146.50B	63.00A			
2790	----			115.00B	86.75A	----		115.60+	1700	.676	----	----	74	UNCH	235.75B	64.75A			
2795	----			117.75B	89.00A	----		118.40+	1730	.689	----	----	2	UNCH	140.25B	66.50A			
2800	----			120.75B	91.25A	----		121.40+	1760	.701	----	----	42	UNCH	242.50B	68.25A			
2810	----			126.75B	96.50A	----		127.50+	1830	.726	----	----	1	UNCH	248.75B	72.50A			
2815	106.25			130.00B	99.00A	----		130.70+	1860	.739	----	20	20 +	20	222.50B	74.50A			
2850	----			154.50B	119.75A	----		155.30+	2070	.820	----	----	13	UNCH	266.50B	91.00A			
2860	----			162.00B	126.50A	----		163.00+	2110	.841	----	----	1	UNCH	265.75B	96.50A			
2875	----			173.75B	137.25A	----		175.10+	2170	.870	----	----	45	UNCH	273.50B	105.00A			
2880	----			177.75B	141.00A	----		179.20+	2180	.879	----	----	1	UNCH	278.00B	108.00A			
2900	----			193.75B	157.75A	----		196.50+	2230	.910	----	----	7	UNCH	296.25B	121.25A			
2915	----			206.75B	170.75A	----		210.10+	2270	.928	----	----	61	UNCH	310.25B	132.00A			
3400	----			----	----	----		688.55+	2390	.999	----	----	1	UNCH	----	----			
4000	----			----	----	----		1285.60+	2395	1.000	----	----	100	UNCH	----	----			
TOTAL													4735	53978 +	3434				
OCT18		EOM EMINI S&P P																	
1150	0.50			.50	.50	----		.40+	NEW	.001	----	100	100 +	100	.90B	.40A			
1200	----			----	----	----		.50+	10	.001	----	----	100	UNCH	.65B	.45A			
1400	----			.90B	----	----		1.05+	20	.004	----	----	33	UNCH	1.85B	.70A			
1425	----			1.00B	.90A	----		1.10+	15	.004	----	----	10	UNCH	2.00B	.75A			
1500	----			1.30B	1.15A	----		1.40+	20	.005	----	----	1	UNCH	2.55B	.95A			
1550	----			1.55B	1.30A	----		1.65+	25	.007	----	----	219	UNCH	3.00B	1.05A			
1575	----			1.70B	1.40A	----		1.75+	25	.007	----	----	1	UNCH	3.25B	1.15A			
1600	----			1.85B	1.50A	----		1.90+	25	.008	----	----	39	UNCH	3.55B	1.25A			
1625	----			2.00B	1.65A	----		2.05+	30	.009	----	----	16	UNCH	3.90B	1.35A			
1700	----			2.60B	2.05A	----		2.65+	40	.011	----	----	18	UNCH	5.00B	1.70			
1725	3.10			3.10	2.20A	----		2.90+	50	.013	----	1	294	UNCH	5.50B	1.85A			
1750	----			3.05B	2.40A	----		3.15+	55	.014	----	----	16	UNCH	6.00B	2.00A			
1775	----			3.35B	2.60A	----		3.45+	60	.015	----	----	18	UNCH	6.50B	2.15A			
1780	----			3.40B	2.60A	----		3.50+	60	.016	----	----	54	UNCH	6.75B	2.20A			
1800	----			3.65B	2.80A	----		3.75+	65	.017	----	----	76	UNCH	7.25B	2.35A			
1810	----			3.75B	2.90A	----		3.90+	70	.017	----	----	12	UNCH	7.50B	2.40A			
1820	----			3.90B	3.00A	----		4.05+	75	.018	----	----	71	UNCH	7.75B	2.50A			
1830	----			4.05B	3.10A	----		4.20+	75	.019	----	----	31	UNCH	8.00B	2.55A			
1850	----			4.35B	3.30A	----		4.50+	85	.020	----	----	15	UNCH	8.75B	2.75A			
1860	----			4.50B	3.40A	----		4.65+	85	.021	----	----	29	UNCH	9.00B	2.85A			
1870	----			4.65B	3.50A	----		4.85+	95	.022	----	----	17	UNCH	9.25B	2.90A			
1880	----			4.80B	3.65A	----		5.00+	95	.023	----	----	6	UNCH	9.75B	2.95			
1900	----			5.00B	3.90A	----		5.40+	105	.025	----	----	59	UNCH	10.50B	3.20A			
1920	----			5.50B	4.15A	----		5.70+	105	.026	----	----	145	UNCH	11.25B	3.40A			
1950	----			6.00B	4.60A	----		6.40+	130	.030	----	----	137	UNCH	12.50B	3.65			
1960	----			6.25B	4.75A	----		6.60+	130	.031	----	----	3	UNCH	13.00B	3.90A			
1970	----			6.50B	4.90A	----		6.80+	130	.032	----	----	240	UNCH	13.25B	4.00A			
1975	----			6.50B	5.00A	----		6.90+	130	.032	----	----	270	UNCH	13.50B	4.05A			
1980	----			6.75B	5.25A	----		7.00+	130	.033	----	----	2	UNCH	13.75B	4.15A			
1990	5.75			7.00B	5.25A	----		7.30+	140	.034	----	2	20 +	2	14.25B	4.25A			
2000	----			7.25B	5.50A	----		7.50+	140	.036	----	----	870	UNCH	14.75B	4.40A			
2010	----			7.50B	5.75A	----		7.70+	140	.037	----	----	244	UNCH	15.50B	4.55A			
2020	----			7.75B	6.00A	----		8.00+	150	.038	----	----	12	UNCH	16.00B	4.70A			
2025	----			7.75B	6.00A	----		8.10+	150	.039	----	----	1224	UNCH	16.25B	4.75A			
2030	----			8.00B	6.00A	----		8.											

FINAL																
PG48	BULLETIN #123@				E-MINI S&P 500 PUT OPTIONS				wed, Jun 27, 2018				PG48			
2580	----			57.25B	43.25A	----		57.60+	880	.302	----	----	1	UNCH	107.75B	33.00A
2590	----			59.25B	45.00A	----		59.80+	910	.313	----	----	1	UNCH	110.75B	34.25A
2600	61.75			61.75	46.75A	----		62.00+	940	.325	----	58	420 -	12	114.50B	35.75A
2605	----			62.75B	47.75A	----		63.10+	940	.331	----	----	250	UNCH	64.50B	37.25A
2620	----			66.50B	50.50A	----		66.70+	990	.349	----	----	1	UNCH	122.50B	38.50A
2625	----			67.75B	51.50A	----		67.90+	990	.356	----	----	5	UNCH	124.50B	39.25A
2640	----			71.75B	54.75A	----		71.80+	1040	.376	----	----	8	UNCH	130.75B	41.75A
2650	----			74.50B	56.75A	----		74.50+	1070	.390	----	----	555	UNCH	135.25B	43.50A
2660	----			77.25B	59.00A	----		77.30+	1090	.405	----	----	1	UNCH	140.00B	45.25A
2670	----			80.25B	61.50A	----		80.30+	1130	.420	----	----	3	UNCH	144.75B	47.25A
2675	69.50			81.50B	62.75A	----		81.80+	1140	.428	----	3	200 +	3	147.00B	48.25A
2680	----			83.00B	64.00A	----		83.40+	1160	.436	----	----	24	UNCH	149.50B	49.25A
2685	72.25			84.75B	65.25A	----		85.10+	NEW	.444	----	2	2 +	2	86.75B	51.50A
2690	----			86.25B	66.75A	----		86.80+	1210	.452	----	----	3	UNCH	154.75B	51.25A
2700	84.25			89.75B	69.50A	----		90.30+	1250	.468	----	17	940 -	7	160.00B	53.50A
2705	----			91.50B	70.75A	----		92.10+	1270	.477	----	----	3	UNCH	93.50B	56.00A
2710	80.25			93.25B	72.25A	----		93.90+	1290	.486	----	3	180 +	3	165.50B	55.75A
2715	89.50			95.25B	73.75A	----		95.80+	1320	.494	----	3	54 -	3	168.25B	57.00A
2720	----			97.00B	75.25A	----		97.70+	1340	.503	----	----	9	UNCH	170.75B	58.25A
2725	----			99.00B	77.00A	----		99.60+	1360	.512	----	----	243	UNCH	174.00B	59.50A
2730	----			100.75B	78.50A	----		101.50+	1370	.522	----	----	5	UNCH	176.50B	60.75A
2735	80.75			103.00B	80.25A	----		103.50+	1400	.531	----	2	28	UNCH	179.50B	62.00A
2740	----			104.75B	81.75A	----		105.60+	1430	.540	----	----	27	UNCH	182.50B	63.50A
2745	----			107.00B	83.50A	----		107.70+	1450	.550	----	----	10	UNCH	185.75B	64.75A
2750	----			109.00B	85.25A	----		109.90+	1480	.560	----	----	308	UNCH	188.75B	66.25A
2755	----			111.25B	87.25A	----		112.10+	1510	.569	----	----	120	UNCH	113.00B	69.50A
2760	----			113.50B	89.00A	----		114.30+	1530	.579	----	----	12	UNCH	195.25B	69.25A
2770	----			118.25B	93.00A	----		119.10+	1590	.599	----	----	5	UNCH	201.75B	72.25A
2775	104.00			120.75B	95.00A	----		121.50+	1610	.609	----	9	361 -	8	205.00B	74.00A
2780	----			123.00B	97.00A	----		124.00+	1630	.620	----	----	196	UNCH	208.50B	75.50A
2785	----			125.50B	99.25A	----		126.60+	1660	.630	----	----	109	UNCH	156.75B	77.25A
2790	----			128.00B	101.25A	----		129.20+	1680	.640	----	----	290	UNCH	215.50B	79.00A
2795	----			130.75B	103.50A	----		131.80+	1700	.651	----	----	12	UNCH	150.50B	81.00A
2800	----			133.50B	105.75A	----		134.50+	1720	.661	----	1	415 +	1	221.25B	82.75A
2825	----			148.00B	118.25A	----		149.00+	1830	.714	----	----	1	UNCH	238.50B	93.00A
2840	----			157.50B	126.25A	----		158.50+	1900	.745	----	----	1	UNCH	250.25B	99.75A
2850	----			164.25B	132.25A	----		165.20+	1950	.766	----	----	14	UNCH	258.25B	104.50A
2870	----			178.25B	144.50A	----		179.30+	2020	.805	----	----	107	UNCH	275.00B	114.75A
2875	----			182.00B	147.75A	----		183.00+	2040	.815	----	1	10	UNCH	279.00B	117.50A
2890	----			193.50B	158.25A	----		194.50+	2100	.842	----	----	1	UNCH	292.00B	126.25A
2900	----			201.50B	165.25A	----		202.60+	2140	.858	----	----	72	UNCH	301.00B	132.25A
2910	----			209.25B	173.00A	----		210.80+	2170	.873	----	----	4	UNCH	309.75B	138.75A
2925	----			222.00B	184.75A	----		223.60+	2210	.894	----	----	45	UNCH	323.25B	148.75A
2940	----			233.00B	198.00A	----		236.70+	2230	.912	----	----	1	UNCH	337.25B	159.50A
2950	----			242.00B	206.50A	----		245.70+	2250	.922	----	----	1	UNCH	346.50B	167.00A
3500	----			----	----	----		786.60+	2380	.999	----	----	1	UNCH	----	----
TOTAL													1721		30317 +	1563
NOV18	EOM	EMINI	S&P	P				CAB	----	.000	----	----	5	UNCH	----	----
500	----			----	----	----		.55+	15	.001	----	----	1	UNCH	.50B	.40A
1125	----			----	----	----		.70+	15	.002	----	----	89	UNCH	.65	.50
1200	----			----	----	----		1.70+	20	.006	----	----	4	UNCH	1.95B	1.25A
1500	----			1.70B	1.40A	----		1.85+	20	.007	----	----	240	UNCH	2.15B	1.25A
1525	----			1.85B	1.50A	----		2.05+	30	.008	----	----	3	UNCH	2.35B	1.35A
1550	----			2.00B	1.65A	----		2.45+	35	.010	----	----	4	UNCH	2.75B	1.55
1600	----			2.40B	1.90A	----		2.95+	45	.012	----	----	3	UNCH	3.25B	1.85A
1650	----			2.80B	2.25A	----		3.25+	55	.013	----	----	1	UNCH	3.55B	2.00A
1675	----			3.10B	2.45A	----		3.55+	60	.014	----	----	3	UNCH	3.90B	2.15A
1700	----			3.40B	2.65A	----		3.70B	65	.016	----	----	20	UNCH	4.30B	2.35A
1725	----			3.70B	2.85A	----		4.20+	70	.017	----	----	6	UNCH	4.65B	2.55A
1750	----			4.00B	3.10A	----		4.40B	70	.019	----	----	7	UNCH	5.00B	2.80A
1775	----			4.40B	3.40A	----		4.95+	80	.021	----	----	18	UNCH	5.50B	2.95
1800	----			4.80B	3.70A	----		5.25B	85	.023	----	----	1	UNCH	6.00B	3.25A
1825	----			5.25B	4.05A	----		6.30+	100	.027	----	----	2	UNCH	7.00B	3.80A
1870	----			6.00B	4.70A	----		6.40+	100	.027	----	----	20	UNCH	7.00B	3.85A
1875	----			6.25B	4.80A	----		6.90+	100	.030	----	----	18	UNCH	7.50B	4.20A
1900	----			6.75B	5.25A	----		7.40+	110	.032	----	----	122	UNCH	8.25B	4.50A
1920	----			7.25B	5.75A	----		7.60+	120	.033	----	----	192	UNCH	8.25B	4.55A
1925	----			7.25B	5.75A	----		7.70+	120	.033	----	----	2	UNCH	8.50B	4.65A
1930	----			7.50B	5.75A	----		8.20+	120	.036	----	----	2	UNCH	9.00B	4.95A
1950	----			8.00B	6.25A	----		8.80+	130	.038	----	----	1	UNCH	9.75B	5.50A
1970	----			8.50B	6.75A	----		9.10+	140	.040	----	----	3	UNCH	10.00B	5.50A
1980	----			9.00B	7.00A	----	</									



E-MINI S&P 500 PUT OPTIONS

2018 DAILY INFORMATION BULLETIN - <http://www.cmegroup.com/dailybulletin>
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20 South Wacker Drive, Chicago, Illinois 60606-7499.
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FINAL

PG48	BULLETIN #123@								E-MINI S&P 500 PUT OPTIONS				wed, Jun 27, 2018				PG48
2780	----		134.25B	109.00A	----			135.20+	1580	.601	----	----	86	UNCH	135.75B	87.00A	
2800	----		144.00B	117.50A	----			145.10+	1650	.638	----	6	85 +	6	145.75B	94.25A	
2850	----		172.75B	142.50A	----			174.00+	1860	.732	----	----	2	UNCH	174.00B	115.25A	
2890	----		200.00B	166.75A	----			201.30+	2000	.803	----	----	1	UNCH	200.75B	135.75A	
2900	----		207.50B	173.25A	----			208.80+	2040	.820	----	----	1	UNCH	208.00B	141.50A	
2920	----		223.25B	187.50A	----			224.40+	2120	.851	----	----	1	UNCH	223.25B	154.00A	
2925	----		227.25B	191.25A	----			228.40+	2140	.858	----	----	2	UNCH	227.25B	157.25A	
2930	----		231.00B	195.00A	----			232.50+	2150	.865	----	----	1	UNCH	231.25B	160.50A	
2980	----		272.00B	236.50A	----			275.70+	2250	.922	----	----	50	UNCH	273.00B	196.50A	
3200	----		----	----	----			488.30+	2360	.990	----	----	1	UNCH	----	423.00A	
TOTAL												34	3700 +	32			

ADDITIONAL E-MINI S&P PUTS

STRIKE OPEN RANGE				HIGH	LOW	CLOSING RANGE		SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	VOLUME TRADES CLEARED	OPEN INTEREST		--CONTRACT-- HIGH LOW	
EW3 MINI TUL 18	S&P P FOW3	MINI	S&P P	(FUTURES SETT. .00)											
1000	----			----	----	----		CAB	----	----	----	94	UNCH	.20	.20
1025	----			----	----	----		CAB	----	----	----	4	UNCH	.50B	.20
1050	----			----	----	----		.05+	0.05	----	----	40	UNCH	.55B	.30A
1100	----			----	----	----		.05+	0.05	.000	----	40	UNCH	.70B	.05
1125	----			----	----	----		.05+	0.05	.000	----	279	UNCH	.95B	.10A
1150	----			----	----	----		.05+	0.05	.000	----	21	UNCH	1.05B	.10
1175	----			----	----	----		.05	UNCH	.000	----	120	UNCH	1.15B	.10A
1200	----			----	----	----		.05	UNCH	.000	----	40	UNCH	1.30B	.05
1225	----			----	----	----		.05	UNCH	.000	----	295	UNCH	1.40B	.05
1250	.05			.05	*.05	----		.05	UNCH	.000	40	588 +	40	1.55B	.05
1275	----			----	----	----		.05	UNCH	.000	----	380	UNCH	1.70B	.05
1300	----			----	----	----		.05	UNCH	.000	----	548	UNCH	1.85B	.10A
1325	----			----	----	----		.10+	0.05	.000	----	1	UNCH	2.05B	.10
1350	----			----	----	----		.10+	0.05	.000	----	750	UNCH	2.25B	.10A
1375	----			----	----	----		.10+	0.05	.000	----	467	UNCH	2.45B	.10
1400	----			----	----	----		.10	UNCH	.000	----	784	UNCH	2.65B	.15A
1425	----			----	----	----		.10	UNCH	.000	----	372	UNCH	2.90B	.15
1450	----			----	----	----		.10	UNCH	.000	----	229	UNCH	3.15B	.15
1475	----			----	----	----		.10	UNCH	.000	490	940 +	90	3.45B	.15
1500	----			----	----	----		.15+	0.05	.000	----	2098	UNCH	3.75B	.10
1525	----			----	----	----		.15+	0.05	.000	----	667	UNCH	4.05B	.15
1550	----			----	----	----		.15	UNCH	.000	----	286	UNCH	4.40B	.10A
1575	----			----	----	----		.15	UNCH	.000	----	903	UNCH	4.80B	.10A
1600	----			----	----	----		.20+	0.05	.001	----	693	UNCH	5.00B	.15
1625	----			----	----	----		.20+	0.05	.001	490	676 -	270	5.50B	.15
1650	----			----	----	----		.20+	0.05	.001	----	612	UNCH	6.00B	.15
1660	----			----	----	----		.20+	0.05	.001	----	437	UNCH	6.25B	.15
1670	----			----	.15A	----		.20	UNCH	.001	----	198	UNCH	6.50B	.15
1675	----			----	.15A	----		.25+	0.05	.001	----	95	UNCH	6.50B	.15A
1680	----			----	.15A	----		.25+	0.05	.001	----	292	UNCH	6.50B	.15A
1690	----			----	.15A	----		.25+	0.05	.001	----	63	UNCH	6.75B	.10
1700	----			----	.15A	----		.25+	0.05	.001	----	1439	UNCH	7.00B	.15
1710	----			----	.15A	----		.25+	0.05	.001	----	212	UNCH	7.25B	.15A
1720	----			----	*.15A	----		.25+	0.05	.001	----	202	UNCH	7.50B	.15A
1725	----			----	*.15A	----		.25+	0.05	.001	----	203	UNCH	7.50B	.15A
1730	----			.25B	*.15A	----		.25+	0.05	.001	----	35	UNCH	7.75B	.15A
1740	----			.25B	----	----		.30+	0.10	.001	----	150	UNCH	8.00B	.20A
1750	----			.25B	----	----		.30+	0.10	.001	----	841	UNCH	8.25B	.20A
1760	.20			.25B	.20	----		.30+	0.05	.001	500	671 +	500	8.50B	.20A
1770	----			----	.20A	----		.30+	0.05	.001	----	254	UNCH	8.75B	.20A
1775	----			----	.20A	----		.30+	0.05	.001	----	53	UNCH	9.00B	.20A
1780	.25			.30B	.20A	----		.30+	0.05	.001	80	353	UNCH	9.00B	.20A
1790	----			.30B	.20A	----		.35+	0.10	.002	----	189	UNCH	9.25B	.20A
1800	----			.30B	.20A	----		.35+	0.10	.002	----	1059	UNCH	9.75B	.20A
1810	----			.30B	----	----		.35+	0.10	.002	----	671	UNCH	10.00B	.20A
1820	----			.35B	----	----		.35+	0.10	.002	----	201	UNCH	10.25B	.20A
1825	----			.35B	----	----		.35+	0.10	.002	----	559	UNCH	10.50B	.20
1830	----			.35B	----	----		.35+	0.10	.002	----	173	UNCH	10.50B	.20
1840	----			.35B	.25A	----		.40+	0.10	.002	----	845	UNCH	11.00B	.20A
1850	----			.35B	.25A	----		.40+	0.10	.002	----	600	UNCH	11.25B	.20
1860	----			.40B	.25A	----		.40+	0.10	.002	----	853	UNCH	11.50B	.25A
1870	----			.40B	.25A	----		.40+	0.10	.002	----	401	UNCH	12.00B	.25A
1875	----			.40B	.25A	----		.40+	0.10	.002	----	418	UNCH	12.00B	.25A
1880	----			.40B	.30A	----		.45+	0.10	.003	----	416	UNCH	12.25B	.25
1890	----			.40B	.30A	----		.45+	0.10	.003	----	1158	UNCH	12.75B	.25A
1900	.50			.50	.30A	----		.45+	0.10	.003	11	627 -	2	13.00B	.25A
1910	----			.45B	.30A	----		.50+	0.10	.003	----	664	UNCH	13.50B	.30A
1920	----			.45B	.30A	----		.50+	0.10	.003	----	1238	UNCH	13.75B	.30A
1925	----			.45B	.30A	----		.50+	0.10	.003	1	864	UNCH	14.00B	.30
1930	.55			.55	.30A	----		.50+	0.10	.003	200	910 +	39	14.25B	.30
1940	.55			.55	.35A	----		.55+	0.15	.004	200	463 +	200	14.75B	.30
1950	.55			.55	.35A	----		.55+	0.10	.004	200	1242 +	106	15.25B	.30A
1960	.55			.65	.35A	----		.55+	0.10	.004	202	342 +	168	15.50B	.30A
1970	.55			.55	.35A	----		.60+	0.15	.004	309	678 +	202	16.00B	.30A
1975	.50			.55B	.35A	----		.60+	0.15	.004	3	550	UNCH	16.25B	.35
1980	----			.55B	.40A	----		.60+	0.10	.004	154	397	UNCH	16.50B	.35A
1990	----			.60B	.40A	----		.60+	0.10	.004	----	225	UNCH	17.00B	.35
2000	.45			.60B	.40A	----		.65+	0.15	.005	5	1588 -	372	17.50B	.35
2010	.45			.65B	.40A	----		.65+	0.10	.005	1	875	UNCH	18.00B	.35A
2020	.50			.65	.45A	----		.70+	0.15	.005	66	433 -	10	18.50B	.35A
2025	.50			.65B	.40	----		.70+	0.15	.005	----	402	UNCH	18.75B	.40A
2030	.50			.70B	.45	----		.70+	0.15	.005	133	1352 -	107	19.00B	.40
2040	----			.70B	.45A	----		.75+	0.15	.006	----	924	UNCH	19.75B	.40
2050	.45			.75B	.40	----		.75+	0.15	.006	42	4844 -	31	20.25B	.40A
2060	.55			.75B	.50A	----		.80+	0.15	.006	1	1073 -	1	20.75B	.40A
2070	.60			.80B	.50A	----		.85+	0.20	.007	110	584 +	100	21.50B	.45
2075	.60			.80	.50A	----		.85+	0.20	.007	7	1375 -	7	21.75B	.45
2080	.60			.80B	.55A	----		.85+	0.15	.007	43	817 -	3	22.00B	.45
2090	.60			.85	.55A	----		.90+	0.20	.007	24	1080 -	2	22.75B	.45A
2100	.65			.90	.55A	----		.95+	0.20	.008	3	3067 -	286	23.25B	.50
2110	----			.90B	.60A	----		.95+	0.20	.008	----	760	UNCH	24.00B	.50A
2120	.75			.95	.60A	----		1.00+	0.20	.008	401	1116 -	77	24.75B	.50A
2125	.75			.95B	.60A	----		1.05+	0.25	.009	62	1337 -	62	25.00B	.55
2130	.60			1.00B	.60	----		1.05+	0.25	.009	360	1164 +	2	25.50B	.55A
2140	1.00			1.00	.65A	----		1.10+	0.25	.009	400	1076 +	176	26.25B	.60
2150	.70			1.05B	.65	----		1.15+	0.30	.010	24	4262 -	5	27.00B	.60
2160	----			1.10B	.70A	----		1.20+	0.30	.010	154	2487	UNCH	27.75B	.60
2170	.85			1.15	.75A	----		1.25+	0.30	.011	261	869 -	48	28.50B	.65A
2175	.70			1.20B	.70	----		1.25+	0.30	.011	7	3955	UNCH	29.00B	.65A
2180	.95			1.25	.75A	----		1.25+	0.30	.011	12	1201	UNCH	29.25B	.65
2190	1.00			1.25	.80A	----		1.30+	0.30	.012	7	2422	UNCH	30.25B	.70
2200	.85			1.30	.80A	----		1.40+	0.35	.013	746	5469 +	32	31.00B	.70
2210	1.20			1.35B	.85A	----		1.45+	0.35	.013	35	1040 -	34	32.00B	.75
2220	1.25			1.45B	.90A	----		1.50+	0.35	.014	37	1243	UNCH	33.00B	.75A
2225	.95			1.45B	.85	----		1.50+	0.35	.014	825	1370 +	29	33.75B	.80
2230	1.30			1.50B	.90A	----		1.55+	0.35	.014	2	644 +	1	34.25B	.80A
2240	1.45			1.65	.95	----		1.60+	0.35	.015	7	1240 -	1	35.75B	.80A
2250	1.00			1.60	1.00	----		1.70+	0.40	.016	305	6864 +	162	37.00B	.85A
2260	1.30			1.70B	1.00A	----		1.7							



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2415	2.35		3.90B	2.05A	----		3.80+	1.10	.044	----	28		685	UNCH	67.00B	1.80A											
2420	----		4.00B	2.10A	----		3.95+	1.15	.046	----	----		766	UNCH	68.25B	1.80A											
2425	4.05		4.15B	2.15A	----		4.05+	1.20	.047	----	8		2850	-	69.50B	1.85A											
2430	2.95		4.25B	2.20A	----		4.15+	1.20	.049	----	30		703	+	70.75B	1.90A											
2435	3.15		4.40B	2.25A	----		4.30+	1.25	.051	----	55		1142	-	72.00B	1.95											
2440	3.20		4.55B	2.30A	----		4.45+	1.35	.052	----	353		1018	-	73.25B	2.00A											
2445	4.30		4.70B	2.40A	----		4.60+	1.40	.054	----	1		1496	+	74.50B	2.05A											
2450	3.90		4.85B	2.45A	----		4.75+	1.45	.057	----	770		6258	+	76.00B	2.10A											
2455	2.55		5.00B	2.50A	----		4.90+	1.50	.059	----	68		1885	-	77.25B	2.15A											
2460	2.65		5.00B	2.60A	----		5.10+	1.55	.061	----	69		1333	-	78.75B	2.25A											
2465	3.80		5.25B	2.65A	----		5.30+	1.65	.064	----	264		1021	+	80.00B	2.30A											
2470	3.20		5.25B	2.75A	----		5.40+	1.65	.066	----	79		1166	-	81.50B	2.35A											
2475	4.00		5.75	2.85A	----		5.60+	1.70	.068	----	911		3003	+	83.00B	2.40A											
2480	4.00		5.75	2.90A	----		5.80+	1.80	.071	----	86		2088	UNCH	84.50B	2.50A											
2485	3.10		6.25	3.00A	----		6.00+	1.85	.074	----	17		1088	+	86.00B	2.55A											
2490	3.70		6.25B	3.10A	----		6.20+	1.90	.076	----	58		1742	-	87.50B	2.60											
2495	4.00		7.00	3.20A	----		6.40+	1.95	.079	----	152		1513	+	89.00B	2.70											
2500	5.00		6.75	3.30A	----		6.70+	2.10	.083	----	897		12474	-	90.50B	2.75A											
2505	5.75		7.00B	3.40A	----		6.90+	2.15	.086	----	43		1495	-	92.25B	2.85											
2510	3.75		7.25	3.50A	----		7.10+	2.15	.089	----	342		2214	-	94.00B	2.90A											
2515	6.00		7.75	3.65A	----		7.40+	2.30	.093	----	306		7864	-	95.50B	3.00A											
2520	4.45		7.75B	3.75A	----		7.70+	2.40	.097	----	192		9991	-	97.25B	3.05A											
2525	5.25		8.00B	3.85A	----		7.90+	2.40	.101	----	172		3540	-	99.00B	3.15A											
2530	7.75		8.50	4.00A	----		8.20+	2.50	.105	----	855		3948	+	100.75B	3.20											
2535	5.75		9.25	4.15A	----		8.60+	2.70	.110	----	209		7935	-	102.50B	3.35A											
2540	4.45		9.00B	4.30A	----		8.90+	2.70	.114	----	248		5695	-	104.25B	3.40A											
2545	4.80		9.25B	4.45A	----		9.30+	2.90	.120	----	262		1426	-	106.00B	3.55A											
2550	9.00		10.00	4.65	----		9.60+	3.00	.124	----	1845		6686	-	108.00B	3.60A											
2555	5.00		10.00B	4.80A	----		10.10+	3.20	.130	----	103		1836	-	109.75B	3.70A											
2560	9.00		10.75	5.00A	----		10.50+	3.30	.136	----	276		7805	-	111.75B	3.85											
2565	8.75		11.00B	5.25A	----		10.90+	3.50	.142	----	233		10066	+	113.75B	3.95A											
2570	5.75		11.50B	5.50	----		11.40+	3.70	.148	----	260		4688	-	115.75B	4.10A											
2575	6.25		12.00B	5.75A	----		11.90+	3.90	.155	----	1547		4738	-	117.50B	4.15A											
2580	6.50		12.50B	6.00A	----		12.40+	4.10	.162	----	144		4992	+	119.75B	4.25A											
2585	8.75		13.00B	6.25A	----		13.00+	4.30	.170	----	221		3693	-	121.75B	4.40A											
2590	9.50		13.50B	6.50	----		13.50+	4.50	.177	----	362		2847	-	124.00B	4.55A											
2595	8.50		14.50	6.75A	----		14.10+	4.70	.185	----	882		1193	-	126.00B	4.70A											
2600	12.00		14.75	7.00A	----		14.80+	5.00	.194	----	2135		6672	-	128.00B	4.85A											
2605	10.75		15.25B	7.25	----		15.40+	5.20	.202	----	453		1221	+	130.25B	5.00A											
2610	11.25		16.00B	7.75	----		16.10+	5.40	.212	----	325		1612	+	132.50B	5.25A											
2615	14.00		17.25	8.00	----		16.80+	5.60	.221	----	495		2251	+	135.00B	5.50A											
2620	15.50		17.50	8.25A	----		17.60+	5.90	.231	----	710		2047	-	137.25B	5.75A											
2625	18.00		19.00	8.50	----		18.40+	6.10	.242	----	1381		4079	+	139.75B	5.75A											
2630	16.75		20.00	9.25	----		19.20+	6.30	.253	----	1209		1920	-	142.00B	6.00A											
2635	16.00		20.00B	9.50A	----		20.20+	6.60	.265	----	609		1975	+	144.50B	6.25											
2640	19.00		21.75	10.00A	----		21.10+	6.90	.277	----	1215		3163	+	147.00B	6.50A											
2645	10.50		22.00B	10.50	----		22.10+	7.10	.290	----	202		2592	+	149.50B	6.75A											
2650	17.25		24.50	11.00A	----		23.20+	7.50	.304	----	2601		5984	-	152.25B	7.00A											
2655	20.75		25.00	11.75A	----		24.30+	7.80	.317	----	384		2332	-	154.75B	7.25A											
2660	17.75		25.25B	12.25A	----		25.50+	8.20	.332	----	741		2779	-	157.50B	7.75A											
2665	23.75		27.50	13.00A	----		26.80+	8.60	.348	----	448		2578	-	160.50B	8.00A											
2670	24.00		29.00																								



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1860	1.05	1.30B	.95A	----	1.35+	0.25	.008	----	1	40 +	1	4.90B	.80A		
1870	1.05	1.35B	1.00A	----	1.40+	0.25	.008	----	1	7 +	1	5.00B	.80A		
1875	1.10	1.35	1.00A	----	1.40+	0.25	.008	----	2	55	UNCH	5.00B	.80A		
1880	1.10	1.60	1.05A	----	1.45+	0.25	.008	----	23	98 -	22	5.25B	.85A		
1890	1.15	1.40B	1.05A	----	1.50+	0.25	.009	----	1	37	UNCH	5.50B	.85A		
1900	1.20	1.65	1.10A	----	1.55+	0.30	.009	----	154	616 +	2	5.50B	.90A		
1910	1.15	1.70	1.10A	----	1.60+	0.30	.009	----	2	114 +	1	5.75B	.90A		
1920	----	1.55B	1.15A	----	1.65+	0.30	.010	----	----	174	UNCH	6.00B	.95A		
1925	----	1.60B	1.15A	----	1.70+	0.30	.010	----	----	174	UNCH	6.25B	.95A		
1930	----	1.60B	1.20A	----	1.70+	0.30	.010	----	----	350	UNCH	6.25B	.95A		
1940	----	1.65B	1.20A	----	1.75+	0.30	.011	----	----	112	UNCH	6.50B	1.00A		
1950	1.25	1.75B	1.25	----	1.80+	0.30	.011	----	3	132	UNCH	6.75B	.95		
1960	----	1.80B	1.30A	----	1.85+	0.35	.011	----	----	241	UNCH	7.00B	1.05A		
1970	1.85	1.85	1.35A	----	1.95+	0.40	.012	----	108	371	UNCH	7.25B	1.05		
1975	1.80	1.85B	1.35A	----	1.95+	0.35	.012	----	2	977	UNCH	7.50B	1.10A		
1980	----	1.90B	1.40A	----	2.00+	0.40	.013	----	----	347	UNCH	7.50B	1.10		
1990	----	1.95B	1.40A	----	2.05+	0.40	.013	----	3	322	UNCH	7.75B	1.10		
2000	1.50	2.05	1.45A	----	2.10+	0.40	.013	----	389	1081 +	325	8.25B	1.15		
2010	----	2.10B	1.50A	----	2.15+	0.40	.014	----	----	53	UNCH	8.50B	1.20		
2020	----	2.15B	1.55A	----	2.25+	0.45	.015	----	----	266	UNCH	8.75B	1.20		
2025	----	2.20B	1.60A	----	2.30+	0.45	.015	----	----	636	UNCH	9.00B	1.25		
2030	2.30	2.30	1.60A	----	2.30+	0.45	.015	----	2	145	UNCH	9.25B	1.25		
2040	----	2.35B	1.65A	----	2.40+	0.50	.016	----	----	638	UNCH	9.50B	1.30A		
2050	----	2.40B	1.70A	----	2.45+	0.45	.016	----	406	1306 +	370	10.00B	1.30A		
2060	----	2.50B	1.75A	----	2.55+	0.50	.017	----	----	358	UNCH	10.25B	1.35A		
2070	----	2.55B	1.85A	----	2.65+	0.50	.018	----	----	549	UNCH	10.75B	1.40A		
2075	----	2.60B	1.85A	----	2.70+	0.55	.018	----	----	610	UNCH	11.00B	1.40A		
2080	----	2.65B	1.90A	----	2.75+	0.55	.019	----	----	116	UNCH	11.25B	1.45A		
2090	2.75	2.75	1.95A	----	2.85+	0.55	.019	----	1	136 +	1	11.75B	1.50A		
2100	2.30	2.85B	2.00	----	2.95+	0.60	.020	----	20	1622 -	937	12.00B	1.55A		
2110	----	2.95B	2.05A	----	3.05+	0.60	.021	----	----	911	UNCH	12.50B	1.60A		
2120	----	3.10B	2.15A	----	3.15+	0.65	.022	----	----	548	UNCH	13.00B	1.65A		
2125	----	3.15B	2.15A	----	3.20+	0.65	.022	----	----	758	UNCH	13.50B	1.65A		
2130	----	3.20B	2.20A	----	3.30+	0.70	.023	----	----	283	UNCH	13.75B	1.70A		
2140	3.05	3.30B	2.30A	----	3.40+	0.70	.024	----	1	137 +	1	14.25B	1.75A		
2150	2.35	3.45	2.35	----	3.55+	0.75	.025	----	121	6485 +	20	14.75B	1.80		
2160	----	3.60B	2.45A	----	3.65+	0.75	.026	----	----	941	UNCH	15.25B	1.85A		
2170	3.85	3.90	2.50A	----	3.80+	0.80	.027	----	7	253 +	3	16.00B	1.90A		
2175	4.05	4.05	2.55A	----	3.85+	0.80	.028	----	4	730 +	4	16.25B	1.95A		
2180	4.05	4.05	2.60A	----	3.90+	0.80	.028	----	4	642 +	4	16.75B	1.95A		
2190	3.10	4.25	2.70A	----	4.05+	0.85	.030	----	52	353 -	1	17.25B	2.05		
2200	3.35	4.40	2.80A	----	4.15+	0.80	.031	----	4770	10179 +	4103	18.00B	2.10A		
2210	3.25	4.35	2.90A	----	4.30+	0.85	.032	----	11	1102 +	5	18.75B	2.15A		
2220	3.30	4.75	3.00A	----	4.45+	0.85	.034	----	23	992 -	2	19.50B	2.25A		
2225	3.50	4.60B	3.05A	----	4.55+	0.90	.034	----	350	906 +	120	20.00B	2.30A		
2230	5.00	5.00	3.10A	----	4.65+	0.90	.035	----	2	528 +	2	20.25B	2.30A		
2240	4.75	4.90B	3.20A	----	4.90+	1.00	.037	----	107	705 -	93	21.00B	2.40A		
2250	3.45	5.00	3.30A	----	5.10+	1.05	.039	----	514	2673 +	240	22.00B	2.50A		
2260	----	5.25B	3.45A	----	5.30+	1.10	.041	----	60	719 +	35	22.75B	2.55A		
2270	4.05	5.75	3.60A	----	5.50+	1.15	.043	----	35	1097 +	24	23.75B	2.65		
2275	3.75	5.50	3.65A	----	5.50+	1.05	.043	----	524	2821 +	224	24.25B	2.70A		
2280	3.80	5.75	3.70A	----	5.60+	1.10	.044	----	195	1367 +	42	24.50B	2.75A		
2290	4.00	6.00	3.85A	----	5.90+	1.20	.047	----	83	1464 +	53	25.50B	2.85		
2300	4.90	6.50	4.00A	----	6.10+	1.25	.049	----	3566	6320 +	2290	26.50B	3.00		
2305	5.75	6.50B	4.10A	----	6.30+	1.35	.050	----	115	1658 -	97	27.00B	3.05		
2310	4.25	6.50B	4.20A	----	6.50+	1.40	.052	----	138	508 -	14	27.50B	3.10A		
2315	4.25	6.75B	4.25	----	6.70+	1.50	.053	----	194	677 +	131	28.25B	3.15A		
2320	----	6.75B	4.35A	----	6.90+	1.60	.055	----	17	648 +	17	28.75B	3.25A		
2325	6.00	7.00B	4.45A	----	7.10+	1.70	.057	----	1012	1845 -	344	29.25B	3.30A		
2330	----	7.25B	4.55A	----	7.30+	1.80	.058	----	139	272 -	84	29.75B	3.35A		
2335	4.80	7.25B	4.65A	----	7.40+	1.70	.060	----	6	748 +	5	30.50B	3.40A		
2340	----	7.50B	4.75A	----	7.60+	1.80	.061	----	151	673	51	31.00B	3.50A		
2345	7.75	7.75	4.85A	----	7.70+	1.70	.062	----	298	513 +	80	31.75B	3.55A		
2350	8.00	8.00	4.95A	----	7.90+	1.80	.064	----	143	7517 +	114	32.25B	3.65A		
2355	7.25	8.25	5.25A	----	8.00+	1.70	.065	----	16	1452 +	2	33.00B	3.70A		
2360	----	8.25B	5.25A	----	8.20+	1.80	.067	----	8	1424 +	3	33.50B	3.80A		
2365	----	8.50B	5.25A	----	8.40+	1.80	.069	----	----	536	UNCH	34.25B	3.85A		
2370	7.25	8.50B	5.30A	----	8.60+	1.90	.071	----	59	478 +	36	35.00B	3.95A		
2375	6.75	8.75	5.50A	----	8.80+	2.00	.073	----	48	4008 -	239	35.50B	4.00A		
2380	8.25	9.00B	5.75A	----	9.00+	2.00	.074	----	160	849 +	160	36.25B	4.10A		
2385	8.25	9.25B	5.75A	----	9.30+	2.20	.077	----	36	734 +	35	37.00B	4.20A		
2390	8.00	9.50	6.00A	----	9.50+	2.20	.079	----	78	819 +	71	37.75B	4.30A		
2395	9.00	9.75B	6.00A	----	9.80+	2.30	.081	----	52	761 +	51	38.50B	4.35A		
2400	6.25	10.25	6.25	----	10.00+	2.30	.083	----	497	9265 +	43	39.25B	4.45		
2405	7.75	10.25B	6.50A	----	10.30+	2.40	.086	----	36	472 +	32	40.00B	4.55A		
2410	8.50	10.50B	6.50A	----	10.50+	2.40	.088	----	13	847 +	1	40.75B	4.60A		
2415	7.00	10.75B	6.75A	----	10.80+	2.50	.091	----	101	3364	UNCH	41.50B	4.70A		
2420	7.50	11.00B	6.75A	----	11.00+	2.50	.093	----	29	405 +	2	42.50B	4.80A		
2425	11.25	11.25	7.00A	----	11.20+	2.50	.095	----	4	2154 -	1	42.50B	4.90		
2430	11.00	11.50	7.25A	----	11.50+	2.60	.097	----	531	386 +	206	44.00B	5.00A		
2435	8.50	11.75B	7.25A	----	11.70+	2.60	.100	----	14	53 +	14	45.00B	5.25A		
2440	11.25	12.25B	7.50A	----	12.00+	2.70	.103	----	170	529 +	168	45.75B	5.25A		
2445	8.00	12.50B	7.75A	----	12.30+	2.80	.105	----	1	806 +	1	46.75B	5.50A		
2450	10.00	12.75B	8.00	----	12.60+	2.90	.108	----	538	2623 -	37	47.75B	5.50A		
2455	11.25	13.25	8.25A	----	12.90+	2.90	.111	----	58	604 +	2	48.50B	5.75A		
2460	12.25	13.50B	8.50A	----	13.30+	3.10	.115	----	366	678 -	194	49.50B	5.75A		
2465	8.75	13.75B	8.50A	----	13.60+	3.10	.118	----	3	500 -	1	50.50B	6.00A		
2470	13.25	14.25B	8.75A	----	14.00+	3.20	.121	----	71	750 +	7	51.50B	6.00A		
2475	13.25	14.50B	9.00A	----	14.40+	3.30	.125	----	14	1231 -	2	52.50B	6.25A		
2480	10.50	15.00B	9.25	----	14.80+	3.40	.128	----	61	1414 +	31	53.50B	6.50A		
2485	15.50	15.50	9.50A	----	15.20+	3.50	.132	----	37	446 +	19	54.75B	6.50A		
2490	12.00	15.75B	9.50A	----	15.60+	3.60	.136	----	1	1358 +	1	55.75B	6.75A		
2495	12.00	16.00B	9.75A	----	16.00+	3.70	.140	----	53	347 +	1	57.00B	6.75A		
2500	14.25	16.75	10.00A	----	16.40+	3.80	.144	----	1110	5461 -	300	58.00B	7.00		
2505	10.75	17.00B	10.50A	----	16.90+	3.90	.148	----	37	608 +	21	59.25B	7.25A		
2510	11.00	17.50B	10.75A	----	17.30+	4.00	.152	----	24	937 +	2	60.50B	7.50A		
2515	13.50	18.50	10.75	----	17.80+	4.10	.157	----	186	410 -	32	61.75B	7.50A		
2520	17.25	18.50B	11.25A	----	18.30+	4.30	.161	----	19	1009 +	1	63.00B	7.75A		
2525	14.25	19.00B	11.50A	----	18.80+	4.40	.166	----	80	2810 +	6	64.25B	8.00A		
2530	12.25	19.25B	11.75A	----	19.30+	4.50	.171	----	18	439 +	18	65.50B	8.25A		
2535	15.00	20.00B	12.00A	----	19.80+	4.60	.176	----	128	541 +	61	66.75B	8.50A		
2540	18.75	20.50B	12.50A	----	20.40+	4.70	.181	----	6	425 -	6	68.25B	8.50A		
2545	14.50	22.00	12.75A	----	20.90+	4.80	.1								

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.
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FINAL

PG48		BULLETIN #123@		E-MINI S&P 500 PUT OPTIONS						wed, Jun 27, 2018				PG48	
2755	69.50	77.50B	50.25A	----	77.90+	16.20	.651	----	34	804 -	1	172.00B	34.00A		
2760	----	80.25B	52.25A	----	80.60+	16.60	.669	----	23	802 -	6	175.75B	35.25A		
2765	----	83.00B	54.50A	----	83.50+	17.10	.686	----	45	848 +	4	179.50B	36.75A		
2770	----	86.00B	56.75A	----	86.40+	17.50	.703	----	21	290	UNCH	183.50B	38.25A		
2775	----	89.25B	59.00A	----	89.40+	17.90	.721	----	34	733 +	16	187.50B	39.75A		
2780	----	92.25B	61.50A	----	92.60+	18.30	.738	----	11	499 +	9	191.50B	41.25A		
2785	----	95.50B	64.00A	----	95.90+	18.70	.755	----	1529	1529	UNCH	195.50B	43.00A		
2790	----	99.00B	66.50A	----	99.30+	19.10	.772	----	11	2588 -	1	199.75B	45.00A		
2795	----	102.50B	69.50A	----	102.90+	19.50	.788	----	1	687 +	1	203.00B	46.75A		
2800	----	106.25B	72.25A	----	106.60+	19.90	.803	----	20	578 +	10	207.25B	48.75A		
2805	----	109.75B	75.25A	----	110.30+	20.20	.818	----	7	546 +	5	211.50B	51.00A		
2810	----	113.75B	78.50A	----	114.20+	20.60	.833	----	----	54	UNCH	215.75B	53.25A		
2815	116.25	117.75B	81.75A	----	118.10+	20.80	.847	----	1	100	UNCH	220.25B	55.50A		
2820	94.75	121.00B	85.25A	----	122.10+	21.00	.861	----	5	55 -	4	224.50B	58.00A		
2825	----	125.25B	88.75A	----	126.30+	21.40	.873	----	192	192	UNCH	229.00B	60.50A		
2830	101.75	129.25B	92.50A	----	130.50+	21.60	.885	----	1	11	UNCH	233.50B	63.25A		
2835	97.00	133.50B	96.25A	----	134.80+	21.80	.895	----	7	12 -	1	238.00B	66.00A		
2840	----	138.00B	100.00A	----	139.20+	22.00	.905	----	28	28	UNCH	242.50B	68.75A		
2845	----	141.25B	104.25A	----	143.70+	22.20	.913	----	13	13	UNCH	247.00B	71.75A		
2850	----	145.00B	109.50A	----	148.20+	22.40	.922	----	7	7	UNCH	251.75B	74.75A		
2855	----	149.25B	114.25A	----	152.80+	22.50	.929	----	9	9	UNCH	255.00B	78.00A		
2860	----	153.75B	118.25A	----	157.50+	22.70	.936	----	4	4	UNCH	260.00B	81.25A		
2865	----	158.50B	123.00A	----	162.10+	22.80	.942	----	3	3	UNCH	264.25B	84.75A		
2875	----	168.00B	134.00A	----	171.60+	23.00	.953	----	3	3	UNCH	273.75B	92.00A		
2880	----	172.75B	138.50A	----	176.40+	23.10	.957	----	3	3	UNCH	278.50B	95.75A		
2885	----	177.50B	143.25A	----	181.20+	23.10	.961	----	26	26	UNCH	283.25B	99.75A		
2890	----	182.25B	148.00A	----	186.00+	23.10	.966	----	7	7	UNCH	284.75B	103.75A		
2895	----	187.25B	152.75A	----	190.80+	23.10	.969	----	2	2	UNCH	277.50B	107.75A		
2920	----	210.25B	178.50A	----	215.20+	23.20	.981	----	1	1	UNCH	274.75B	130.25A		
3000	----	288.00B	----	----	294.50+	23.40	.993	----	232	232	UNCH	288.00B	210.00A		
TOTAL									34908	226068	+	8544			
OCT18	EQW3 MINI S&P P	(FUTURES SETT. .00)													
1100	.35	.35	*.35	----	.30	NEW	.001	----	1	1 +	1	.35B	.35		
1275	----	----	----	----	.55+	0.05	.002	----	----	8	UNCH	.75B	.40A		
1325	----	.60B	----	----	.65+	0.10	.002	----	150	150	UNCH	.90B	.45		
1450	----	.90B	----	----	1.00+	0.15	.004	----	1	1	UNCH	1.40B	.70A		
1475	----	1.00B	----	----	1.05+	0.15	.004	----	11	11	UNCH	1.50B	.70		
1550	----	1.30B	1.10A	----	1.35+	0.15	.005	----	250	250	UNCH	1.95B	.90A		
1575	----	1.40B	1.15A	----	1.45+	0.15	.006	----	240	240	UNCH	2.15B	.95A		
1625	----	1.65B	1.35A	----	1.70+	0.20	.007	----	3	3	UNCH	2.55B	1.10A		
1700	1.75	2.10B	1.70A	----	2.20+	0.30	.010	----	240	624 -	240	3.30B	1.40A		
1725	----	2.30B	1.85A	----	2.40+	0.35	.011	----	240	240	UNCH	3.55B	1.50A		
1750	----	2.50B	2.00A	----	2.60+	0.40	.012	----	291	291	UNCH	3.85B	1.60A		
1775	3.00	3.00	2.15A	----	2.80+	0.45	.013	----	1	399	UNCH	4.20B	1.75A		
1780	3.00	3.00	2.20A	----	2.85+	0.45	.013	----	1	157	UNCH	4.30B	1.75A		
1790	3.00	3.00	2.25A	----	2.95+	0.45	.014	----	1	241 +	1	4.40B	1.80A		
1800	3.00	3.00	2.25A	----	3.05+	0.50	.014	----	3	242 +	2	4.55B	1.85A		
1810	3.00	3.05B	2.40A	----	3.15+	0.50	.015	----	1	241 +	1	4.75B	1.95A		
1820	3.00	3.15B	2.40A	----	3.30+	0.60	.016	----	1	240	UNCH	4.90B	2.00A		
1825	3.00	3.25B	2.50A	----	3.35+	0.60	.016	----	1	241 +	1	4.95B	2.00A		
1830	3.00	3.30B	2.55A	----	3.40+	0.60	.016	----	1	241 +	1	5.00B	2.05A		
1840	3.00	3.40B	2.65A	----	3.50	NEW	.017	----	1	1 +	1	5.25B	2.15A		
1850	3.00	3.55B	2.65A	----	3.65+	0.65	.017	----	1	6 +	1	5.25B	2.20A		
1860	3.00	3.65B	2.75A	----	3.80	NEW	.018	----	1	1 +	1	5.50B	2.25A		
1870	3.05	3.80B	2.90A	----	3.95+	0.75	.019	----	1	13 +	1	5.75B	2.35A		
1875	3.10	3.85B	2.95A	----	4.00+	0.75	.019	----	1	2 +	1	5.75B	2.40A		
1885	3.10	3.95B	3.00A	----	4.05	NEW	.019	----	1	1 +	1	6.00B	2.40A		
1890	3.20	4.05B	3.10A	----	4.20	NEW	.020	----	1	1 +	1	6.00B	2.50A		
1900	3.55	4.55	3.20A	----	4.40+	0.85	.021	----	2	3	UNCH	6.25B	2.60A		
1910	3.40	4.45	3.25A	----	4.55+	0.85	.022	----	2	5	UNCH	6.50B	2.65A		
1920	----	4.50B	3.35A	----	4.70+	0.85	.023	----	2	2	UNCH	6.75B	2.75A		
1925	----	4.60B	3.40A	----	4.80+	0.90	.023	----	8	8	UNCH	6.75B	2.80A		
1930	----	4.70B	3.55A	----	4.85+	0.90	.024	----	2	UNCH	7.00B	2.85A			
1950	----	5.00B	3.80A	----	5.20+	0.95	.026	----	6	25 +	6	7.50B	3.00		
1960	----	5.00B	3.85A	----	5.40+	1.00	.027	----	3	3	UNCH	7.75B	3.15A		
1975	----	5.50B	4.05A	----	5.60+	1.00	.028	----	31	31	UNCH	8.00B	3.30		
1980	4.60	5.50B	4.20A	----	5.70+	1.00	.028	----	1	24 +	1	8.25B	3.35A		
1990	----	5.75B	4.25A	----	5.90+	1.05	.030	----	3	10	UNCH	8.50B	3.45A		
2000	4.95	6.00B	4.45A	----	6.10+	1.10	.031	----	5	26 +	3	8.75B	3.60A		
2010	----	6.25B	4.65A	----	6.30+	1.10	.032	----	----	5	UNCH	9.00B	3.70A		
2020	4.90	6.50B	4.75A	----	6.50+	1.10	.033	----	1	15 +	1	9.50B	3.85A		
2025	----	6.50B	4.85A	----	6.60+	1.10	.034	----	1	1	UNCH	9.50B	3.90A		
2030	----	6.50B	4.90A	----	6.70+	1.10	.034	----	995	995	UNCH	9.75B	3.95A		
2040	5.25	6.75B	5.25	----	6.90+	1.10	.035	----	1	12 +	1	10.00B	4.10A		
2050	----	7.00B	5.50A	----	7.20+	1.20	.037	----	529	529	UNCH	10.50B	4.25A		
2060	----	7.50B	5.50A	----	7.50+	1.30	.038	----	3	3	UNCH	10.75B	4.40A		
2070	----	7.75B	5.75A	----	7.80+	1.30	.040	----	116	116	UNCH	11.25B	4.55A		
2075	----	7.75B	6.00A	----	8.00+	1.40	.041	----	218	218	UNCH	11.25B	4.60A		
2080	----	8.00B	6.00A	----	8.20+	1.40	.042	----	500						



FINAL

PG48		BULLETIN #123@		E-MINI S&P 500 PUT OPTIONS								Wed, Jun 27, 2018 PG48			
2585	----	53.25B	39.50A	----	53.70+	8.90	.300	----	----	95	UNCH	55.50B	30.25A		
2590	----	54.50B	40.25A	----	54.80+	9.10	.306	----	----	205	UNCH	66.50B	30.25A		
2595	----	55.50B	41.00A	----	55.90+	9.20	.312	----	----	63	UNCH	57.75B	31.50A		
2600	47.00	56.50B	42.00A	----	57.00+	9.40	.318	----	60	523 -	18	69.00B	31.50A		
2610	----	58.75B	43.75A	----	59.20+	9.60	.330	----	----	60	UNCH	71.50B	33.00A		
2615	49.25	60.00B	44.50A	----	60.40+	9.70	.337	----	19	20 +	19	62.25B	34.25A		
2620	----	61.25B	45.50A	----	61.60+	9.80	.344	----	----	107	UNCH	74.25B	34.25A		
2625	----	62.50B	46.50A	----	62.80+	9.90	.350	----	20	612 +	20	75.75B	35.00A		
2630	----	63.75B	47.50A	----	64.00+	9.90	.357	----	----	250	UNCH	77.00B	35.75A		
2635	----	65.00B	48.50A	----	65.30+	10.00	.364	----	----	26	UNCH	67.25B	37.25A		
2640	51.00	66.25B	49.50A	----	66.60+	10.10	.371	----	34	335 +	33	80.00B	37.25A		
2645	51.00	67.75B	50.50A	----	67.90+	10.20	.379	----	20	141 +	20	69.75B	39.00A		
2650	68.75	69.00B	51.75A	----	69.30+	10.40	.386	----	8	381	UNCH	83.00B	39.00A		
2660	----	72.00B	53.75A	----	72.10+	10.70	.401	----	----	140	UNCH	86.25B	40.75A		
2670	----	75.00B	56.25A	----	75.20+	11.30	.417	----	50	395	UNCH	89.75B	42.50A		
2675	71.75	76.50B	57.50A	----	76.70+	11.50	.426	----	6	109 -	6	91.50B	43.50A		
2680	----	78.00B	58.75A	----	78.30+	11.70	.434	----	----	40	UNCH	93.25B	44.50A		
2685	----	79.50B	60.00A	----	79.90+	11.90	.442	----	----	2	UNCH	81.75B	46.50A		
2690	----	81.25B	61.25A	----	81.60+	12.10	.451	----	----	20	UNCH	96.75B	46.50A		
2695	----	83.00B	62.50A	----	83.30+	12.40	.460	----	----	20	UNCH	85.00B	48.50A		
2700	----	84.50B	64.00A	----	85.00+	12.50	.469	----	----	293	UNCH	100.75B	48.50A		
2705	----	86.50B	65.25A	----	86.80+	12.70	.478	----	----	104	UNCH	88.50B	50.75A		
2710	73.25	88.25B	66.75A	----	88.60+	12.90	.487	----	162	608 +	162	104.75B	50.75A		
2715	----	90.00B	68.25A	----	90.50+	13.20	.496	----	----	151	UNCH	106.75B	52.00A		
2720	----	92.00B	69.75A	----	92.40+	13.40	.506	----	----	250	UNCH	108.75B	53.00A		
2725	----	93.50B	71.25A	----	94.30+	13.60	.515	----	----	401	UNCH	111.00B	54.25A		
2730	80.00	95.50B	73.00A	----	96.30+	13.90	.525	----	75	143 +	75	113.25B	55.50A		
2735	----	97.50B	74.50A	----	98.30+	14.10	.535	----	----	1000	UNCH	115.50B	57.00A		
2740	----	99.50B	76.25A	----	100.40+	14.40	.545	----	----	34	UNCH	117.75B	58.25A		
2745	----	101.75B	78.00A	----	102.50+	14.60	.555	----	----	189	UNCH	120.25B	59.50A		
2750	----	104.00B	79.75A	----	104.60+	14.80	.566	----	200	442 +	200	122.50B	61.00A		
2755	----	106.25B	81.50A	----	106.90+	15.10	.576	----	----	73	UNCH	108.25B	64.00A		
2760	----	108.50B	83.50A	----	109.10+	15.30	.587	----	----	65	UNCH	127.50B	64.00A		
2765	----	110.75B	85.50A	----	111.50+	15.60	.597	----	----	6	UNCH	112.75B	67.25A		
2770	----	113.25B	87.50A	----	113.90+	15.90	.608	----	9	441	UNCH	132.75B	67.00A		
2775	----	115.75B	89.50A	----	116.30+	16.10	.619	----	----	136	UNCH	135.50B	68.75A		
2780	----	118.25B	91.50A	----	118.80+	16.40	.630	----	----	16	UNCH	138.25B	70.25A		
2790	----	123.50B	96.00A	----	124.10+	16.90	.652	----	----	125	UNCH	144.00B	73.75A		
2795	----	126.00B	98.25A	----	126.80+	17.20	.663	----	----	48	UNCH	147.00B	75.50A		
2800	----	128.75B	100.50A	----	129.60+	17.40	.674	----	----	952	UNCH	150.00B	77.50A		
2805	----	131.75B	103.00A	----	132.50+	17.70	.685	----	----	20	UNCH	133.25B	81.75A		
2825	----	143.75B	113.25A	----	144.60+	18.70	.730	----	----	5	UNCH	165.75B	87.75A		
2850	----	160.50B	127.50A	----	161.40+	19.80	.784	----	----	25	UNCH	180.50B	99.50A		
2860	----	167.75B	133.75A	----	168.60+	20.20	.805	----	----	61	UNCH	188.00B	104.50A		
2900	----	198.25B	162.00A	----	200.20+	21.80	.876	----	----	2	UNCH	218.75B	128.00A		
TOTAL										2598	34994 +	1025			
MDW MID															
JUN18	MDW MID	(FUTURES SETT. .00)													
2010	.05	#.05	*.05	----	CAB	----	----	----	2	----	UNCH	.05	.05		
2585	.05	.05	*.05	----	CAB	----	----	----	1	----	328	1.55B	.05		
2595	.05	.05	*.05	----	CAB	----	----	----	2	----	517	1.65B	.05		
2600	.05	.05	*.05	----	CAB	----	----	613	----	3319	1.70B	.05			
2605	.05	.05	*.05	----	CAB	----	----	2	----	604	1.75B	.05			
2610	.05	.05	*.05	----	CAB	----	----	3	----	1675	1.80B	.05			
2615	.05	.05	*.05	----	CAB	----	----	2	----	949	1.90B	.05			
2620	.10	.10	*.05A	----	CAB	----	----	35	----	910	2.00B	.05A			
2625	.05	.05	*.05	----	CAB	----	----	342	----	974	2.15B	.05			
2630	.05	.10	.05	----	CAB	----	----	36	----	1163	2.50B	.05			
2635	.05	.15B	*.05	----	CAB	----	----	5	----	1613	2.80B	.05			
2640	.05	.25B	.05	----	CAB	----	----	263	----	1719	3.50	.05			
2645	.20	.30B	*.05	----	CAB	----	----	508	----	1088	3.65B	.05			
2650	.10	.55	*.05	----	CAB	----	----	938	----	3187	4.20	.05			
2655	.15	.60	*.05	----	CAB	----	----	48	----	186	4.75B	.05			
2660	.20	.85	*.05	----	CAB	----	----	1050	----	991	5.75	.05			
2665	.25	1.10	*.05	----	CAB	----	----	2899	----	1658	6.50	.05			
2670	.35	1.60	*.05	----	CAB	----	----	2043	----	1357	7.75	.05			
2675	.35	2.10	*.05	----	CAB	----	----	894	----	1891	8.50	.05			
2680	.50	2.65B	*.05	----	CAB	----	----	1354	----	1337	10.00	.05			
2685	.75	3.45B	*.05	----	CAB	----	----	736	----	623	10.50	.05			
2690	.95	4.45B	*.05	----	CAB	----	----	5106	----	1925	12.75	.05			
2695	1.00	5.50	*.05	----	CAB	----	----	2975	----	1139	13.50	.05			
2700	2.40	7.50	*.05	----	CAB	----	----	12216	----	3242	16.75	.05			
2705	1.75	8.75B	*.10	----											
2710	2.50	11.00B	*.10	----	2.80+	0.65	1.000	1414	4043	----	645	18.50	.10		
2715	2.90	13.50B	*.20	----	7.80+	5.00	1.000	1378	8583	----	1486	19.75	.10		
2720	5.00	17.50	*.30	----	12.80+	9.10	1.000	1896	9542	----	2473	21.25B	.20		
2725	7.00	21.00	*.50	----	17.80+	13.00	1.000	1170	6346	----	1395	24.00B	.30		
2730	8.00	24.00	*.90	----	22.80+	16.50	1.000	1259	9641	----	716	28.00	.50		
2735	10.00	28.50	*1.35	----	27.80+	19.50	1.000	1158	4699	----	653	33.75	.90		
2740	26.25	33.00	*2.30	----	32.80+	22.00	1.000	1101	2250	----	438	33.50B	1.35		
2745	20.00	36.75	*3.70	----	37.80+	23.80	1.000	1272	2009	----	953	39.00	2.30		
2750	26.50	40.00	6.00	----	42.80+	25.00	1.000	860	1112	----	218	41.00B	3.70		
2755	25.00	26.00	9.25	----	47.80+	25.60	1.000	1266	513	----	912	50.00	4.70A		
2760	50.50	50.50													



CME Group, Inc.
20 South Wacker Drive, Chicago, Illinois 60606-7499.
Customer Service: (312) 930-1000



FINAL

PG48		BULLETIN #123@										E-MINI S&P 500 PUT OPTIONS										wed, Jun 27, 2018				PG48	
2540	1.15		1.25B	*.45A	----		1.25+	0.40	.024	----	4		4	+	3	2.90B	.45A										
2545	1.20		1.30B	*.50A	----		1.30	NEW	.025	----	6		6	+	6	3.05B	.50A										
2550	1.25		1.40B	*.50A	----		1.35+	0.40	.027	----	539		544	+	506	3.25B	.50A										
2555	1.35		1.50B	*.50A	----		1.45+	0.50	.029	----	2		6	UNCH		3.40B	.50A										
2560	1.40		1.60B	*.55A	----		1.55+	0.55	.031	----	78		511	+	9	3.60B	.55A										
2565	1.50		1.70B	*.55A	----		1.65+	0.60	.034	----	524		222	-	79	3.80B	.55A										
2570	1.60		1.85B	*.60A	----		1.75+	0.65	.037	----	134		232	+	131	4.00B	.60A										
2575	1.65		1.95B	*.60A	----		1.85+	0.70	.040	----	4		93	UNCH		4.25B	.60A										
2580	1.05		2.15B	*.65A	----		2.00+	0.80	.043	----	46		47	+	46	4.50B	.65A										
2585	1.10		2.30B	*.65A	----		2.15	NEW	.047	----	7		7	+	7	4.75B	.65A										
2590	1.15		2.50B	*.70A	----		2.30+	0.95	.052	----	101		102	+	78	5.00B	.70A										
2595	1.15		2.70B	*.70A	----		2.50+	1.10	.057	----	4		16	+	4	5.25B	.70A										
2600	1.10		2.95B	*.75A	----		2.75+	1.25	.063	----	383		273	-	37	5.75B	.75A										
2605	1.45		3.20B	*.80A	----		3.00+	1.40	.070	----	9		24	+	4	6.00	.80A										
2610	1.35		3.50B	*.85A	----		3.25+	1.50	.077	----	8		46	+	4	6.50B	.85A										
2615	1.05		3.80B	*.90A	----		3.55+	1.70	.085	----	7		24	+	4	7.00B	.90A										
2620	1.60		4.15B	*.95A	----		3.90+	1.90	.094	----	2		51	+	1	7.50B	.95A										
2625	1.15		4.55B	*1.00A	----		4.30+	2.10	.104	----	1		10	UNCH		8.00B	1.00A										
2630	1.25		5.00B	*1.10A	----		4.75+	2.35	.116	----	72		95	+	71	8.50B	1.10A										
2635	----		5.50B	*1.15A	----		5.20+	2.55	.128	----	2		42	+	2	9.25B	1.15A										
2640	2.00		6.00B	*1.25A	----		5.80+	2.90	.143	----	215		182	+	127	10.00B	1.25A										
2645	5.00		6.50B	*1.40A	----		6.40+	3.25	.158	----	102		102	+	25	10.75	1.40A										
2650	1.60		7.50	*1.45	----		7.10+	3.60	.176	----	426		596	+	177	11.50B	1.45										
2655	3.80		8.25	*1.65A	----		7.80+	3.95	.194	----	62		45	-	26	12.25B	1.65A										
2660	7.25		8.75B	*1.80A	----		8.70+	4.45	.216	----	20		209	UNCH		13.25B	1.80A										
2665	3.60		9.50B	*2.00A	----		9.60+	4.95	.238	----	64		282	+	60	14.25B	2.00A										
2670	7.00		10.50B	*2.20A	----		10.60+	5.50	.263	----	129		236	+	97	15.25B	2.20A										
2675	4.35		11.50B	*2.45A	----		11.80+	6.10	.290	----	142		413	-	13	16.50B	2.45A										
2680	6.25		12.75B	*2.75	----		13.00+	6.70	.319	----	612		385	+	323	17.75B	2.75										
2685	13.50		14.00B	*3.05A	----		14.30+	7.30	.350	----	202		181	+	72	19.25B	3.05A										
2690	13.50		15.50B	*3.40A	----		15.80+	8.00	.383	----	130		159	+	37	20.75	3.40A										
2695	6.75		17.25B	*3.85A	----		17.30+	8.60	.419	----	118		150	+	42	24.00	3.85A										
2700	9.00		20.75	*4.35A	----		19.10+	9.40	.457	----	352		361	-	36	26.00	4.35A										
2705	7.50		21.00B	4.95A	----		21.00+	10.20	.497	----	123		108	+	93	26.00	4.95A										
2710	6.50		23.00B	5.75A	----		23.10+	11.00	.539	----	92		70	-	2	27.75B	5.50A										
2715	9.50		25.25B	6.50A	----		25.40+	11.90	.583	----	46		913	+	42	30.00B	6.00A										
2720	11.50		27.75B	7.25A	----		28.00+	13.00	.627	----	248		337	+	220	32.25B	6.50A										
2725	22.75		30.50B	8.25	----		30.80+	14.20	.672	----	70		301	+	13	34.75B	7.25A										
2730	16.75		33.50B	9.50A	----		33.90+	15.40	.715	----	48		89	+	31	37.25B	8.00A										
2735	14.00		36.75B	10.75A	----		37.10+	16.50	.759	----	45		69	+	38	40.25B	8.75A										
2740	20.00		40.25B	12.25A	----		40.50+	17.50	.801	----	21		135	+	6	43.25B	9.75										
2745	----		44.00B	13.75A	----		44.20+	18.50	.840	----	----		4	UNCH		46.50B	10.75A										
2750	----		48.00B	15.75A	----		48.10+	19.40	.875	----	----		8	UNCH		50.00B	11.75A										
2755	----		51.25B	18.00A	----		52.30+	20.40	.905	----	----		13	UNCH		53.75B	13.25A										
2760	----		55.50B	20.75A	----		56.60+	21.10	.930	----	----		8	UNCH		57.50B	14.75A										
2765	----		60.00B	23.75A	----		61.20+	21.80	.949	----	8		14	-	6	60.50B	16.50A										
2770	----		64.75B	27.00A	----		65.80+	22.20	.964	----	----		1	UNCH		64.75B	18.75A										
TOTAL											8426		13669	+	4442												
MMW MID																											
JUL18	MMW MID		(FUTURES SETT. .00)																								
1910	----		----	----	----		.15	UNCH	.001	----	----		147	UNCH		.15	.15										
1940	----		----	----	----		.15	UNCH	.001	----	----		100	UNCH		.15	.15										
1950	----		----	----	----		.15	UNCH	.001	----	----		100	UNCH		.15	.15										
2000	----		----	----	----		.05+	0.05	----	----	----		20	UNCH		.15	.15										



FINAL

PG48	BULLETIN #123@				E-MINI S&P 500 PUT OPTIONS				wed, Jun 27, 2018				PG48
2605	5.75	#6.75B	*2.35A	----	6.80	NEW	.129	----	10	10 +	10	6.75B	2.35A
2610	1.80	2.70B	*.60A	----	2.25+	0.90	.056	----	357	383 +	355	5.50B	.60A
2610	6.25	#7.25B	*2.45A	----	7.30	NEW	.138	----	35	35 +	35	7.25B	2.45A
2615	1.00	3.00B	*.65A	----	2.50+	1.05	.063	----	3	26 +	2	6.50	.65A
2615	6.75	#7.75B	*2.60A	----	7.80	NEW	.148	----	89	75 +	75	7.75B	2.60A
2620	2.15	3.35B	*.70A	----	2.75+	1.15	.071	----	224	164 +	160	6.50B	.70A
2620	7.00	#8.25B	*2.75A	----	8.30+	3.60	.158	----	8	13 +	8	8.25B	2.75A
2625	2.10	3.70B	*.75A	----	3.05+	1.35	.080	----	247	264 +	175	7.00B	.75A
2625	7.50	#8.75B	*2.95A	----	8.90	NEW	.170	----	13	13 +	13	8.75B	2.95A
2630	.85	4.10B	*.80A	----	3.45+	1.55	.091	----	12	20 +	1	7.50B	.80A
2635	1.80	4.55B	*.85A	----	3.85+	1.80	.103	----	146	187 +	68	8.00	.85A
2640	3.95	#11.00B	*3.55A	----	11.00	NEW	.209	----	1	1 +	1	11.00B	3.55A
2640	4.00	5.00B	*.90A	----	4.30+	2.05	.116	----	85	144 +	53	8.75B	.90A
2645	4.00	5.50B	*1.00A	----	4.85+	2.35	.132	----	2	27 +	1	9.50B	1.00A
2645	4.05	#11.75B	*3.80A	----	11.90	NEW	.225	----	122	112 +	112	11.75B	3.80A
2650	6.25	6.25	*1.10	----	5.50+	2.75	.150	----	595	458 +	108	10.25B	1.10
2650	4.80	#12.50B	*4.10A	----	12.80	NEW	.242	----	31	30 +	30	12.50B	4.10A
2655	2.15	6.75B	*1.20A	----	6.10+	3.05	.168	----	35	353 +	26	11.00B	1.20A
2655	4.95	#13.50B	*4.40A	----	13.80	NEW	.259	----	15	15 +	15	13.50B	4.40A
2660	1.50	7.50B	*1.30A	----	6.90+	3.55	.190	----	255	436 +	74	12.00B	1.30A
2660	4.90	#14.50B	*4.70A	----	14.80	NEW	.277	----	44	35 +	35	14.50B	4.70A
2665	6.00	8.25B	*1.50A	----	7.80+	4.05	.214	----	25	265 -	5	13.00B	1.50A
2665	7.00	#15.75B	*5.25A	----	15.90	NEW	.297	----	20	20 +	20	15.75B	5.25A
2670	3.35	9.25	*1.65A	----	8.70+	4.50	.239	----	144	352 +	61	14.00B	1.65A
2670	6.25	#16.75B	*5.50A	----	17.10	NEW	.317	----	72	72 +	72	16.75B	5.50A
2675	8.75	10.50	*1.85A	----	9.80+	5.10	.268	----	329	402 +	208	15.25B	1.85A
2680	3.60	11.50	*2.05	----	11.00+	5.70	.300	----	355	474 +	341	16.50B	2.05
2680	8.75	#19.50B	*6.50A	----	19.80	NEW	.362	----	11	11 +	11	19.50B	6.50A
2685	3.25	12.75B	*2.35A	----	12.30+	6.30	.334	----	100	216 +	41	17.75B	2.35A
2685	16.00	#21.00B	*7.00A	----	21.20	NEW	.386	----	23	23 +	23	21.00B	7.00A
2690	12.50	14.25B	*2.70A	----	13.80+	7.10	.371	----	100	172 -	22	19.25B	2.70A
2695	3.85	15.75	*3.05A	----	15.40+	7.80	.410	----	68	154 +	41	20.75B	3.05A
2695	9.25	#24.25B	*8.50A	----	24.50+	10.50	.438	----	22	119 +	22	24.25B	8.50A
2700	13.25	#25.75B	*9.00A	----	26.20	NEW	.466	----	15	10 +	10	25.75B	9.00A
2700	9.50	17.75	3.50A	----	17.10+	8.60	.452	----	704	474 +	317	24.50	3.40A
2705	5.00	19.25B	4.05A	----	19.10+	9.50	.497	----	108	151 +	48	24.50B	3.65A
2705	13.00	#27.75B	*10.00A	----	28.20+	11.90	.495	----	24	81 +	24	27.75B	10.00A
2710	18.75	22.50	4.65A	----	21.30+	10.50	.544	----	427	429 +	47	26.50B	3.90A
2710	10.75	#29.75B	*10.75	----	30.20	NEW	.525	----	48	27 +	27	29.75B	10.75
2715	16.75	23.25B	5.50A	----	23.60+	11.40	.593	----	81	102 +	9	28.75B	4.25A
2715	22.50	#32.00B	*11.75A	----	32.40+	13.30	.556	----	6	5	UNCH	32.00B	11.75A
2720	13.00	26.50	6.25A	----	26.30+	12.60	.642	----	500	259 +	35	31.00B	4.60A
2720	21.75	#34.25B	*12.75A	----	34.80	NEW	.588	----	8	8 +	8	34.25B	12.75A
2725	13.75	28.75B	7.25	----	29.10+	13.70	.692	----	31	207 +	9	33.75B	4.95A
2730	8.50	33.25	8.25A	----	32.30+	15.00	.740	----	107	93 +	43	36.25B	5.50A
2730	17.00	#39.50B	*15.25A	----	40.10	NEW	.653	----	36	36 +	36	39.50B	15.25A
2735	10.75	35.25B	9.50A	----	35.70+	16.20	.786	----	234	250 +	169	39.25B	6.00A
2740	13.25	38.75B	11.00A	----	39.30+	17.40	.828	----	17	234 +	1	42.25B	6.50A
2740	20.00	#45.50B	*18.25A	----	46.00	NEW	.719	----	44	32 +	32	45.50B	18.25A
2745	13.25	42.75B	12.75A	----	43.20+	18.50	.866	----	16	31 +	12	45.75B	7.25A
2745	20.00	#49.00B	*20.00	----	49.30	NEW	.751	----	59	59 +	59	49.00B	20.00
2750	47.50	47.50	14.75A	----	47.30+	19.50	.900	----	5	42 -	1	49.25B	8.00A
2755	----	50.50B	17.25A	----	51.70+	20.50	.926	----	----	125	UNCH	53.00B	8.75A
2760	----	55.00B	20.00A	----	56.20+	21.30	.948	----	----	149	UNCH	57.00B	9.75A
2765	----	59.50B	23.00A	----	60.80+	21.90	.966	----	8	31 -	6	60.25B	10.75A
2770	----	64.25B	26.50A	----	65.50+	22.30	.978	----	----	50	UNCH	64.25B	12.00A
2775	----	#69.25B	30.25A	----	70.40+	22.80	.985	----	----	3	UNCH	69.25B	13.50A
2795	----	#88.25B	51.75A	----	90.20+	23.40	.995	----	----	1	UNCH	88.25B	22.50A
2800	----	----	----	----	95.10+	23.40	.997	----	----	3	UNCH	90.00B	25.25A
TOTAL									15096	27236 +	9574		
RTM EOM													
JUN18	RTM EOM	(FUTURES SETT. .00)			CAB	----	----	----	----	60	UNCH	6.00B	.20A
1170	----	----	----	----	CAB	----	----	----	----	68	UNCH	6.80B	.25A
1190	----	----	----	----	CAB	----	----	----	----	25	UNCH	8.20B	.25A
1220	----	----	----	----	CAB	----	----	----	----	24	UNCH	9.40B	.25A
1225	----	----	----	----	CAB	----	----	----	----	44	UNCH	9.40B	.30A
1240	----	----	----	----	CAB	----	----	----	----	30	UNCH	10.10B	.30A
1250	----	----	----	----	CAB	----	----	----	----	81	UNCH	12.30B	.40A
1280	----	----	----	----	CAB	----	----	----	----	1	UNCH	13.20B	.40A
1290	----	----	----	----	CAB	----	----	----	----	296	UNCH	14.10B	.25A
1300	----	----	----	----	CAB	----	----	----	----	22	UNCH	15.20B	.50A
1310	----	----	----	----	CAB	----	----	----	----	15	UNCH	16.20B	.30A
1320	----	----	----	----	CAB	----	----	----	----	4	UNCH	16.80B	.05
1325	----	----	----	----	CAB	----	----	----	----	25	UNCH	19.40B	.25A
1345	----	----	----	----	CAB	----	----	----	----	10	UNCH	20.10B	.25A
1350	----	----	----	----	CAB	----	----	----	----	4	UNCH	20.80B	.30A
1355	----	----	----	----	CAB	.05	UNCH	----	----	6	UNCH	22.30B	.10
1365	----	----	----	----		.05	UNCH	----	----	1	UNCH	25.70B	.35A
1385	----	----	----	----		.05	UNCH	.000	----	53	UNCH	27.60B	.40A
1395	----	----	----	----		.05	UNCH	.000	----	27	UNCH	28.60B	.10A
1400	----	----	----	----		.05	UNCH	.000	----	21	UNCH	29.60B	.10A
1405	----	----	----	----		.05	UNCH						



FINAL

PG48	BULLETIN #123@			E-MINI S&P 500 PUT OPTIONS						wed, Jun 27, 2018				PG48
1125	----	----	----	----	----	.15+	0.05	.001	----	----	54	UNCH	9.80B	.40A
1150	----	----	.15B	----	----	.20+	0.10	.002	----	----	474	UNCH	11.30B	.45A
1170	----	----	----	----	----	.20+	0.05	.002	----	----	107	UNCH	12.60B	.50A
1175	----	----	.20B	----	----	.25+	0.10	.003	----	----	90	UNCH	12.90B	.20A
1180	----	----	.20B	----	----	.25+	0.10	.003	----	----	124	UNCH	13.30B	.20A
1200	----	----	.25B	----	----	.30+	0.10	.003	----	----	323	UNCH	14.70B	.25A
1270	----	----	.50B	----	----	.50+	0.15	.007	----	----	144	UNCH	21.30B	.40A
1300	----	----	.65B	----	----	.70+	0.25	.010	----	----	42	UNCH	24.80B	.45
1310	----	----	.70B	----	----	.75+	0.25	.010	----	----	31	UNCH	26.20B	.50A
1325	----	----	.80B	----	----	.85+	0.30	.012	----	----	20	UNCH	28.30B	.60A
1330	----	----	.85B	----	----	.85+	0.25	.012	----	----	2	UNCH	29.20B	.60A
1340	----	----	.90B	----	----	.95+	0.30	.014	----	----	9	UNCH	30.70B	.65A
1350	----	----	1.00B	*.65A	----	1.05+	0.35	.015	----	----	74	UNCH	32.30B	.65A
1355	----	----	1.05B	----	----	1.05+	0.35	.016	----	----	4	UNCH	25.20B	.65A
1360	----	----	----	*.10A	----	.25+	0.10	.004	----	----	62	UNCH	.65B	.10A
1360	----	----	1.05B	.70A	----	1.10+	0.35	.017	----	----	12	UNCH	34.20B	.65A
1365	----	----	1.10B	----	----	1.15+	0.40	.017	----	----	14	UNCH	30.80B	.70A
1370	1.65	----	#1.85B	1.65	----	1.85	NEW	.026	----	12	12 +	12	1.85B	1.30A
1370	----	----	1.15B	.75A	----	1.20+	0.40	.018	----	----	3	UNCH	36.00B	.70A
1375	----	----	1.20B	.80A	----	1.25+	0.40	.019	----	----	60	UNCH	37.00B	.75A
1380	----	----	1.25B	----	----	1.30+	0.45	.020	----	----	13	UNCH	37.80B	.60A
1385	----	----	1.30B	.85A	----	1.35+	0.45	.021	----	----	152	UNCH	34.90B	.60
1390	----	----	1.35B	.90A	----	1.45+	0.50	.023	----	----	2	UNCH	40.00B	.85A
1395	----	----	2.30B	----	----	2.65+	0.85	.037	----	----	1	UNCH	14.40B	1.55A
1395	----	----	1.45B	.90A	----	1.50+	0.55	.024	----	----	2	UNCH	37.20B	.70A
1400	----	----	1.50B	.95A	----	1.55+	0.55	.025	----	----	261	UNCH	42.30B	.65
1405	----	----	1.55B	1.00A	----	1.60+	0.55	.026	----	----	26	UNCH	39.60B	.90A
1410	----	----	1.65B	1.05A	----	1.65+	0.55	.027	----	----	3	UNCH	44.40B	.95A
1415	----	----	1.70B	1.05A	----	1.75+	0.60	.029	----	----	1	UNCH	42.20B	.80
1420	----	----	2.90B	2.15A	----	3.25+	1.05	.047	----	----	1	UNCH	17.90B	1.85A
1425	----	----	1.85B	1.15A	----	1.90+	0.65	.032	----	----	30	UNCH	48.40B	.90A
1430	----	----	3.20B	----	----	3.50+	1.15	.051	----	----	1	UNCH	19.50B	1.95A
1435	----	----	.40B	----	----	.45+	0.20	.009	----	----	8	UNCH	1.40B	.35A
1435	----	----	2.05B	1.25A	----	2.05+	0.70	.035	----	----	158	UNCH	47.90B	1.15A
1440	----	----	2.15B	1.30A	----	2.15+	0.75	.037	----	----	58	UNCH	52.50B	1.00A
1445	1.15	----	1.25B	.70A	----	1.25	NEW	.024	----	2	2 +	2	1.35B	.65A
1445	----	----	2.25B	1.35A	----	2.25+	0.80	.039	----	----	58	UNCH	51.00B	1.05A
1450	1.20	----	1.30B	.75A	----	1.30+	0.50	.025	----	3	11 +	3	1.40B	.70A
1450	----	----	2.35B	1.40A	----	2.35+	0.85	.041	----	----	3	UNCH	55.30B	1.10A
1455	1.25	----	1.35B	.75A	----	1.35+	0.50	.027	----	5	32 +	5	1.50B	.70A
1455	----	----	2.45B	1.45A	----	2.50+	0.90	.044	----	----	41	UNCH	54.30B	1.15A
1460	----	----	4.25B	2.95A	----	4.55+	1.55	.069	----	----	1	UNCH	25.00B	2.10A
1460	----	----	1.45B	.80A	----	1.45+	0.55	.029	----	----	90	UNCH	1.55	.75A
1460	----	----	2.60B	1.50A	----	2.60+	0.95	.046	----	----	61	UNCH	58.30B	1.20A
1465	1.40	----	1.50B	.85A	----	1.50+	0.55	.030	----	8	18 +	8	1.65B	.75A
1465	----	----	2.70B	1.60A	----	2.75+	1.00	.049	----	----	2	UNCH	57.90B	1.25A
1470	1.45	----	1.60B	.85A	----	1.60+	0.60	.033	----	2	8 +	2	1.75B	.80A
1470	----	----	2.80B	1.65A	----	2.90+	1.10	.052	----	----	5	UNCH	61.60B	1.30A
1475	1.55	----	1.70B	.90A	----	1.70	NEW	.035	----	10	10 +	10	1.85B	.85A
1475	----	----	3.00B	1.70A	----	3.05+	1.15	.055	----	----	89	UNCH	63.50B	1.35A
1480	1.60	----	1.80B	.95A	----	1.80+	0.70	.037	----	2	7 +	2	1.95B	.90A
1480	----	----	3.20B	1.80A	----	3.20+	1.20	.058	----	----	94	UNCH	65.20B	1.40A
1485	----	----	3.30B	1.90A	----	3.40+	1.30	.062	----	----	5	UNCH	65.70B	1.45A
1490	----	----	3.50B	1.95A	----	3.60+	1.40	.066	----	1	81	UNCH	68.80B	1.50A
1495	----	----	3.70B	2.05A	----	3.80+	1.50	.070	----	----	4	UNCH	69.90B	1.60A
1500	----	----	.90B	*.45A	----	.95	NEW	.023	----	69	69 +	69	2.40B	.45A
1500	----	----	6.30B	4.15A	----	6.60+	2.40	.103	----	----	3	UNCH	35.20B	2.85A
1500	----	----	2.30B	1.15A	----	2.25+	0.90	.049	----	----	44	UNCH	2.45B	1.05A
1500	2.30	----	4.00B	2.20A	----	4.00+	1.60	.074	----	50	307 -	50	72.80B	1.65A
1505	----	----	.95B	*.45A	----	1.05+	0.50	.026	----	----	2	UNCH	2.40B	.45A
1505	----	----	4.20B	2.30A	----	4.25+	1.75	.079	----	----	6	UNCH	74.50B	1.75A
1510	----	----	2.40B	2.40A	----	4.50+	1.85	.084	----	----	82	UNCH	76.80B	1.80A
1515	----	----	1.10B	*.50A	----	1.20+	0.55	.031	----	----	2	UNCH	2.80B	.50A
1515	----	----	4.70B	2.60A	----	4.75+	1.95	.089	----	----	6	UNCH	79.20B	1.90A
1520	----	----	7.80B	5.00A	----	8.10+	3.00	.127	----	----	2	UNCH	41.80B	3.30A
1520	----	----	5.00B	2.70A	----	5.00+	2.05	.095	----	----	9	UNCH	81.70B	1.95A
1525	----	----	1.25B	*.55A	----	1.35+	0.65	.036	----	----	62	UNCH	3.10B	.55A
1525	1.85	----	3.20B	1.50A	----	3.15	NEW	.071	----	3	3 +	3	3.35B	1.35A
1525	----	----	5.30B	2.80A	----	5.30+	2.20	.101	----	----	83	UNCH	84.30B	2.05A
1530	----	----	1.35B	*.60A	----	1.45+	0.70	.039	----	----	72	UNCH	3.30B	.60A
1530	----	----	8.80B	5.50A	----	8.90+	3.30	.141	----	----	2	UNCH	45.50B	3.55A
1530	----	----	5.70B	3.00A	----	5.70+	2.45	.108	----	----	6	UNCH	86.90B	2.15A
1535	----	----	1.50B	*.65A	----	1.60+	0.80	.044	----	----	50	UNCH	3.40B	.65A
1535	2.25	----	3.70B	1.70A	----	3.65	NEW	.083	----	7	7 +	7	3.85B	1.50A
1535	----	----	6.10B	3.20A	----	6.10+	2.65	.116	----	----	46	UNCH	89.60B	2.25A
1540	2.10	----	3.90B	1.80A	----	3.95	NEW	.090	----	7	7 +	7	4.10B	1.55A
1540	----	----	6.50B	3.40A	----	6.50+	2.85	.124	----	----	14	UNCH	91.30B	2.35A
1545	----	----	1.75B	*.70A	----	1.85+	0.95	.052	----	----	15	UNCH	3.90B	.70A
1545	2.25	----	4.30B	1.90A	----	4.25	NEW	.097	----	7	7 +	7	4.40B	1.65A
1545	----	----	6.90B	3.60A	----	6.90+	3.00	.132	----	----	103	UNCH	93.50B	2.45A
1550	----	----	1.95B	*.75A	----	2.05+	1.10	.059	----	----	4	UNCH	4.10B	.75A
1550	----	----	11.00B	6.60A	----	11.00+	4.20	.175	----	----	52	UNCH	53.80B	4.20A
1550	2.50	----	4.60B	2.05A	----	4.60	NEW	.106	----	19	19 +	19	4.75B	1.75A
1550	----	----	7.40B	3.80A	----	7.40+	3.25	.142	----	142	251 -	14	96.50B	2.60A
1555	2.70	----	5.00B	2.20A	----	5.00	NEW	.115	----	2	2 +	2	5.10B	1.80A
1555	----	----	7.90B	4.00A	----	7.90+	3.50	.151	----	----	6	UNCH	99.40B	2.80A
1555	----	----	11.60B	7.00A	----	11.70+	4.50	.186	----	----	1	UNCH	56.20B	4.40A
1560	----	----	2.40B	*.85A	----	2.45+	1.35	.072	----	----	64	UNCH	4.70B	.85A
1560	3.30	----	5.40B	2.35A	----	5.40	NEW	.125	----	3	3 +	3	5.50B	1.90A
1560	----	----	12.30B	7.30A	----	12.30+	4.70	.196	----	----	4	UNCH	58.70B	4.60A
1560	----	----	8.50B	4.30A	----	8.50+	3.80	.162	----	----	151	UNCH	102.50B	2.90A
1565	----	----	#12.00B	*6.70A	----	11.90	NEW	.199	----	50	50 +	50	12.00B	6.70A
1565	----	----	2.65B	*.95A	----	2.70+	1.55	.080	----	----	50	UNCH	5.00B	.95A
1565	3.50	----	5.90B	2.50A	----	5.90	NEW	.136	----	17	17 +	17	6.00B	2.05A
1565	----	----	9.10B	4.60A	----	9.10+	4.10	.174	----	----	31	UNCH	105.60B	3.10A
1570	----	----	13.80B	8.20A	----	13.80+	5.30	.219	----	----	1	UNCH	63.80B	5.00A
1570	----	----	9.80B	4.90A	----	9.80+	4.40	.187	----	----	62	UNCH	108.60B	3.20A
1575	----	----	3.30B	*1.10A	----	3.35	NEW	.101	----	18	18 +	18	5.70B	1.10A
1575	----	----	10.50B	5.20A	----	10.50+	4.80	.200	----	----	95	UNCH	112.00B	3.40A
1580	13.50	----	15.50B	9.10A	----	15.50+	6.00	.245	----	5	3 +	1	69.30B	5.20A
1580	----	----	7.60B	3.20A	----	7.50+	3.75	.175	----	----	160	UNCH	7.60B	2.40A



FINAL

PG48	BULLETIN #123@				E-MINI S&P 500 PUT OPTIONS				wed, Jun 27, 2018				PG48		
1655	----		#36.90B	*21.10A	----	36.70	NEW	.545	----	14	14	+	14	36.90B	21.10A
1655	11.20		#22.80B	7.60A	----	22.50+	13.50	.600	----	52	81	-	48	22.80B	4.50A
1655	16.80		#28.50B	12.90A	----	28.00	NEW	.570	----	4	4	+	4	28.50B	6.90A
1655	----		33.20B	17.40A	----	32.90+	14.20	.554	----	18	80	-	18	172.40B	9.50A
1660	----		#25.60B	8.80A	----	25.20+	14.90	.652	----	----	40	UNCH	----	25.60B	4.95A
1660	----		40.40B	24.50A	----	40.60+	15.40	.568	----	----	5	UNCH	----	126.90B	13.50A
1660	----		#31.10B	14.30A	----	30.60+	15.10	.608	----	----	150	UNCH	31.10B	7.60A	
1660	----		35.60B	18.90A	----	35.30+	15.10	.586	----	----	50	UNCH	176.70B	10.20A	
1665	----		#28.70B	10.20A	----	28.30+	16.50	.702	----	----	17	UNCH	28.70B	5.50A	
1665	----		42.80B	26.20A	----	43.10+	16.20	.594	----	----	1	UNCH	131.20B	14.40A	
1665	20.70		#33.80B	15.80A	----	33.40+	16.30	.646	----	2	50	UNCH	33.80B	8.20A	
1665	----		38.20B	20.50A	----	37.90+	16.10	.617	----	----	89	UNCH	181.00B	11.00A	
1670	12.30		#32.00B	11.80A	----	31.60+	18.00	.751	----	10	25	-	1	32.00B	6.10A
1670	----		45.50B	28.00A	----	45.70+	17.00	.621	----	----	11	UNCH	135.60B	15.30	
1670	20.50		#36.80B	17.50A	----	36.40+	17.50	.684	----	4	91	UNCH	36.80B	9.00A	
1670	25.30		41.00B	22.20A	----	40.60+	17.00	.649	----	1	102	-	1	185.30B	11.80A
1675	----		#47.30B	27.90A	----	47.10+	17.90	.655	----	----	14	UNCH	47.30B	27.90A	
1675	21.70		#35.60B	13.70A	----	35.20+	19.70	.797	----	10	10	-	2	35.60B	6.90A
1675	----		47.80B	29.90A	----	48.50+	17.90	.647	----	----	1	UNCH	140.00B	16.40A	
1675	21.20		#40.00B	19.40A	----	39.60+	18.70	.722	----	9	13	+	7	40.00B	9.80A
1675	----		44.00B	24.10A	----	43.60+	18.10	.681	----	----	42	UNCH	190.10B	12.80A	
1680	21.70		#38.30B	15.90A	----	39.00+	21.20	.838	----	24	77	+	5	38.30B	7.70A
1680	----		#43.50B	21.50A	----	43.00+	19.90	.758	----	----	12	UNCH	43.50B	10.80A	
1680	----		50.70B	31.90A	----	51.40+	18.70	.673	----	----	2	UNCH	144.60B	17.60A	
1680	----		47.10B	26.10A	----	46.70+	19.20	.713	----	----	6	UNCH	194.20B	13.80A	
1685	36.90		#53.50B	32.10A	----	53.20+	19.80	.710	----	5	9	+	5	53.50B	32.00A
1685	19.10		#42.30B	18.50A	----	43.10+	22.80	.874	----	17	22	+	12	42.30B	8.60A
1685	27.50		#47.10B	23.80A	----	46.60+	21.20	.792	----	5	31	UNCH	47.10B	11.80A	
1685	----		50.50B	28.30A	----	50.00+	20.20	.742	----	----	26	UNCH	198.60B	14.90A	
1685	----		53.60B	34.10A	----	54.50+	19.60	.700	----	----	1	UNCH	149.10B	18.80A	
1690	37.90		#56.90B	34.50A	----	56.60	NEW	.737	----	1	1	+	1	56.90B	34.30A
1690	----		#46.20B	21.30A	----	47.40+	24.30	.904	----	----	8	UNCH	46.20B	9.70A	
1690	30.30		#49.80B	26.40A	----	50.40+	22.30	.823	----	3	13	UNCH	49.80B	13.00A	
1690	----		54.00B	30.80A	----	53.50+	21.30	.772	----	----	48	UNCH	203.20B	16.20A	
1695	40.60		#60.40B	37.00A	----	60.00	NEW	.763	----	3	3	+	3	60.40B	36.70A
1695	----		#50.60B	24.50A	----	51.90+	25.60	.927	----	----	29	UNCH	50.60B	10.90A	
1695	----		#53.70B	29.30A	----	54.40+	23.50	.851	----	----	22	UNCH	53.70B	14.30A	
1695	34.10		57.70B	33.40A	----	57.20+	22.30	.800	----	3	13	+	3	207.70B	17.60A
1700	----		#55.20B	28.10A	----	56.60+	26.80	.945	----	----	17	UNCH	55.20B	12.40A	
1700	----		#57.90B	32.40A	----	58.60+	24.60	.876	----	----	5	UNCH	57.90B	15.80A	
1700	----		63.70B	42.30A	----	64.70+	22.20	.775	----	----	1	UNCH	162.60B	23.20A	
1700	52.80		60.20B	36.20A	----	61.10+	23.40	.825	----	1	15	UNCH	212.70B	17.10	
1705	----		#59.90B	33.30A	----	61.30+	27.70	.958	----	----	5	UNCH	59.90B	14.00A	
1705	----		64.20B	39.30A	----	65.10+	24.30	.850	----	----	30	UNCH	216.90B	20.80A	
1710	----		#64.70B	----	----	66.20+	28.40	.966	----	----	4	UNCH	64.70B	15.80A	
1710	----		71.20B	48.30A	----	72.20+	23.80	.821	----	----	7	UNCH	172.10B	26.80A	
1710	----		68.50B	42.60A	----	69.30+	25.20	.871	----	----	10	UNCH	221.90B	22.60A	
1715	----		72.40B	46.10A	----	73.60+	26.00	.889	----	----	14	UNCH	226.50B	24.60A	
1720	75.70		79.10B	75.70	----	80.30	NEW	.862	----	2	1	+	1	181.90B	31.10A
1720	----		#75.30B	48.60A	----	76.80+	28.00	.944	----	----	3	UNCH	75.30B	23.60A	
1720	----		76.80B	50.90A	----	78.10+	26.80	.907	----	----	10	UNCH	231.30B	26.80A	
1740	----		95.20B	----	----	96.70+	28.90	.952	----	----	33	UNCH	250.00B	37.70A	
1745	----		100.00B	----	----	101.50+	29.20	.959	----	----	2	UNCH	254.70B	40.90A	
TOTAL										1098	8253	+	492		
AUG18	RTM EOM		(FUTURES SETT. .00)												
1050	----		.45B	----	----	.60+	0.20	.005	----	----	46	UNCH	2.40B	.45A	
1125	----		.85B	----	----	.95+	0.30	.009	----	----	180	UNCH	3.70B	.50A	
1150	----		1.00B	----	----	1.10+	0.30	.010	----	----	7	UNCH	4.20B	.60A	
1200	1.40		1.40	1.40	----	1.45+	0.40	.014	----	90	90	+	89	5.70B	.80A
1225	----		1.65B	----	----	1.70+	0.50	.017	----	----	7	UNCH	6.60B	.95A	
1230	----		1.70B	----	----	1.75+	0.50	.018	----	----	83	UNCH	6.80B	.70A	
1240	----		1.80B	----	----	1.85+	0.50	.019	----	6	143	+	1	7.30B	.90A
1250	----		2.55B	----	----	2.80+	0.70	.027	----	----	2	UNCH	2.60	1.55A	
1250	----		1.90B	----	----	1.95+	0.55	.020	----	50	54	+	50	7.70B	.95A
1260	----		2.00B	----	----	2.10+	0.60	.022	----	----	22	UNCH	8.20B	1.20A	
1275	----		2.20B	1.60A	----	2.30+	0.65	.024	----	----	8	UNCH	9.10B	1.15A	
1280	----		2.30B	1.65A	----	2.35+	0.65	.025	----	----	100	UNCH	9.30B	1.00A	
1300	----		2.60B	----	----	2.65+	0.75	.029	----	----	45	UNCH	10.60B	1.15A	
1380	----		4.40B	3.10A	----	4.50+	1.30	.052	----	----	1	UNCH	18.00B	1.95A	
1400	----		5.10B	3.50A	----	5.20+	1.55	.061	----	----	4	UNCH	20.60B	2.20A	
1420	----		5.90B	4.00A	----	6.00+	1.85	.072	----	----	2	UNCH	23.60B	2.60A	
1430	----		6.40B	4.30A	----	6.50+	2.05	.078	----	----	4	UNCH	25.30B	2.70A	
1440	----		6.90B	4.60A	----	7.00+	2.20	.085	----	----	8	UNCH	27.10B	2.90A	
1450	6.80		7.50B	5.00A	----	7.60+	2.40	.092	----	1	32	-	1	29.10B	3.10A
1450	----		#10.00B	7.30A	----	10.20+	2.80	.110	----	----	1	UNCH	10.00B	4.65A	
1460	6.00		8.10B	5.40A	----	8.20+	2.60	.100	----	11	202	-	1	31.20B	3.40A
1460	----														

FINAL

PG48

BULLETIN #123@

E-MINI S&P 500 PUT OPTIONS

wed, Jun 27, 2018

PG48

E-MINI S&P 500 FIXING PRICE (ESF): Sep19 2702.24

OPTIONS EOO'S, BLOCKS and EXERCISES							
PRODUCT	STRIKE PRICE	EOO VOLUME	BLOCK VOLUME	M-T-D BLOCK VOLUME	OPTION EXERCISES	M-T-D OPTION EXERCISES	Transfer VOLUME
EMINI S&P CALL SEP18 EZ	E-MINI S&P 500 OPTIONS 1000	----	----	----	----	1	0.00
TOTALS		0	0	0	0	1	0
MAR19 S&P CALL EZ	1625	----	----	----	----	70	0.00
TOTALS		0	0	0	0	70	0
EMINI S&P PUT SEP18 EZ	E-MINI S&P 500 OPTIONS 3070	----	----	----	----	427	0.00
TOTALS		0	0	0	0	427	0
MDW MID JUN18	E-MINI S&P 500 WEDNESDAY WEEKLY OPT						
E4C CALL	2625	----	----	----	1	1	0.00
E4C	2650	----	----	----	2	2	0.00
E4C	2655	----	----	----	2	2	0.00
E4C	2665	----	----	----	20	20	0.00
E4C	2670	----	----	----	2	2	0.00
E4C	2675	----	----	----	5	5	0.00
E4C	2680	----	----	----	17	17	0.00
E4C	2685	----	----	----	9	9	0.00
E4C	2690	----	----	----	23	23	0.00
E4C	2695	----	----	----	2	2	0.00
E4C	2700	----	----	----	81	81	0.00
TOTALS		0	0	0	164	164	0
MDW MID JUN18	E-MINI S&P 500 WEDNESDAY WEEKLY OPT						
E4C PUT	2705	----	----	----	1414	1414	0.00
E4C	2710	----	----	----	1378	1378	0.00
E4C	2715	----	----	----	1896	1896	0.00
E4C	2720	----	----	----	1170	1170	40.00
E4C	2725	----	----	----	1259	1259	0.00
E4C	2730	----	----	----	1158	1158	0.00
E4C	2735	----	----	----	1101	1101	0.00
E4C	2740	----	----	----	1272	1272	40.00
E4C	2745	----	----	----	860	860	0.00
E4C	2750	----	----	----	1266	1266	0.00
E4C	2755	----	----	----	388	388	0.00
E4C	2760	----	----	----	477	477	0.00
E4C	2765	----	----	----	592	592	0.00
E4C	2770	----	----	----	105	105	0.00
E4C	2775	----	----	----	64	64	0.00
E4C	2780	----	----	----	11	11	0.00
E4C	2785	----	----	----	78	78	0.00
E4C	2790	----	----	----	36	36	0.00
E4C	2795	----	----	----	17	17	0.00
E4C	2800	----	----	----	59	59	0.00
E4C	2805	----	----	----	50	50	0.00
E4C	2810	----	----	----	4	4	0.00
TOTALS		80	0	0	14655	14655	80