



PRELIMINARY

PG40 BULLETIN #223@ NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS Fri, Nov 16, 2018 PG40

INDIVIDUAL CONTRACT PRICE DATA FOR OPEN, HIGH, LOW, CLOSE AND SETTLEMENT PLUS CLEARED VOLUME FIGURES REFLECT CME REGULAR TRADING HOURS SESSION ONLY. RTH VOLUME REFLECTS PIT TRADING AND CASH-FOR-FUTURES ONLY. VOLUME OR OPEN INTEREST (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: CASH FOR FUTURES, SPREADS, PRIOR DAYS' CLEARED TRADES (OUT-TRADES), POSITION ADJUSTMENTS, OPTIONS EXERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT CAB(CABINET TRANSACTION) 1/2 TICK VALUE = NASDAQ 100 = \$2.50. PRODUCT LISTINGS REPRESENT CONTRACTS WITH PRICE/VOLUME ACTIVITY AND/OR HAVE ESTABLISHED OPEN INTEREST. PRODUCTS ELIGIBLE TO TRADE BUT ARE INACTIVE DO NOT APPEAR IN THIS REPORT.

NASDAQ 100 AND E-MINI NASDAQ 100 CONTRACTS LAST TRADE DATES

EXPIRATION:	DEC18	MAR19	JUN19	SEP19
E-MINI NASDAQ FUT	12/21	03/15	06/21	
E-MINI NASDAQ OPT	12/21	03/15	06/21	09/20

EXPIRATION:

NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS ON FUTURES

ELIGIBLE OPTIONS SERIES (CALLS & PUTS) FOR TRADING: FRI, NOV 16				
	DEC18	MAR19	JUN19	SEP19
QZ	4350-9940	4370-9970	4540-10000	4570-10000

EMINI NASD FUT															
DEC18	6874.50		6915.00	6806.25	6895.25	-	2025	365	691137	242465	-	837	7728.75	5917.25A	
MAR19	6900.00		6943.25B	6840.00	6926.25	-	2000	----	1791	3930	+	40	7765.00	6394.25A	
JUN19	6925.00		6970.75B	6880.25A	6956.50	-	1975	----	3	75	UNCH	7788.75B	6517.50A		
SEP19	----		----	6929.50A	6987.00	-	1775	----	----	5	UNCH	7809.25B	6783.50A		
TOTAL EMINI NASD FUT											365	692931	246475	-	797
RTY FUT															
DEC18	1526.60		1532.40	1509.40	1531.50	+	410	1300	150962	463895	+	2000	1750.60B	1457.40	
MAR19	1527.00		1537.60	1514.50	1536.40	+	400	----	40	1441	+	3	1745.00	1463.60A	
TOTAL RTY FUT											1665	843933	465336	+	1206

ADDITIONAL NASDAQ 100 FUTURES

	LOBEX OPEN	LOBEX HIGH	LOBEX LOW	SETT. PRICE & PT. CHGE	RTH VOLUME	LOBEX [®] VOLUME	OPEN INTEREST	--CONTRACT-- HIGH	LOW				
BTC FUT													
NOV18	5435.00	5550.00	5385.00	5450.00 + 2500	----	3416	2988 +	1626780.00B	5155.00				
DEC18	5420.00	5515.00B	5370.00	5425.00 + 2000	----	99	573 -	48510.00B	5140.00A				
JAN19	5425.00	5510.00B	5385.00	5420.00 + 500	----	18	39 +	56505.00B	5140.00A				
MAR19	5505.00	5505.00	5370.00	5410.00 + 1500	----	47	117 +	196520.00B	5150.00A				
TOTAL BTC FUT										0	3580	717.00 +	182
EI FUT													
DEC18	488.40	495.00B	486.70A	492.70 + 90	----	160	93 -	7517.60B	453.30A				
TOTAL EI FUT										0	160	93.00 -	7
ENY FUT													
DEC18	----	----	21520.00A	21745.00 - 19000	----	----	10	UNCH24460.00B	20810.00A				
TOTAL ENY FUT										0	0	10.00	
FT1 FUT													
DEC18	7080.50	7087.50B	6963.00A	7032.50 - 5450	----	70	26 +	67522.50B	6825.50A				
TOTAL FT1 FUT										0	70	26.00 +	6
FT5 FUT													
DEC18	18130.00	18655.00B	18040.00A	18520.00 + 7000	----	45	256 +	1619470.00B	17065.00A				
TOTAL FT5 FUT										0	45	256.00 +	16
FTU FUT													
DEC18	984.20	985.60B	969.00A	975.00 + 70	----	30	15 +	51072.50B	949.50A				
TOTAL FTU FUT										0	30	15.00 +	5
RS1 FUT													
DEC18	1500.90	1518.30	1500.10A	1512.30 + 390	50	487	8529 -	761633.10B	1437.90				
TOTAL RS1 FUT										50	487	529.00 -	76
RSG FUT													
DEC18	1415.90	1430.70	1411.50A	1424.90 - 80	----	147	2507 -	101586.20B	1359.00				
TOTAL RSG FUT										0	147	507.00 -	10
RSV FUT													
DEC18	1197.40	1208.30B	1195.30	1204.00 + 640	----	413	6294 +	571272.10B	1142.00				
TOTAL RSV FUT										0	413	294.00 +	57
SDA FUT													
DEC18	----	----	----	54.150 - 50	----	----	48647	UNCH54.550	44.000A				
DEC19	56.950	56.950	56.950	56.900 + 50	----	60	23942	UNCH57.900	43.950A				
DEC20	58.900	58.950B	58.900	58.800 - 50	----	40	21545 -	2061.350	43.900A				
DEC21	----	61.100B	60.650A	60.550 - 450	----	----	6993	UNCH64.150B	44.150A				
DEC22	----	62.900B	62.350A	62.250 - 550	----	----	4832	UNCH66.250	56.400A				
DEC23	----	64.600B	64.150A	64.000 - 450	----	----	2175	UNCH68.050B	57.800A				
DEC24	----	65.950B	----	66.000 + 100	----	----	2315	UNCH69.700B	59.800A				
DEC25	----	67.600B	----	67.650 + 100	----	----	710	UNCH71.150B	60.650A				
DEC26	----	69.500B	----	69.500 + 300	----	----	1205	UNCH72.800B	62.150A				
DEC27	----	71.250B	71.100A	71.250 + 100	----	----	998	UNCH74.650B	63.900A				
DEC28	----	73.200B	73.000A	73.150 + 100	----	----	120	UNCH76.800B	71.250A				
TOTAL SDA FUT										0	100	482.00 -	20
SDI FUT													
DEC18	----	----	----	13.950 + UNCH	----	----	120	UNCH14.350B	13.800				
MAR19	----	----	----	13.800 + UNCH	----	----	80	UNCH13.900	13.700				
JUN19	----	----	----	14.500 + UNCH	----	----	40	UNCH14.400B	13.300A				
SEP19	----	----	----	14.100 + UNCH	----	----	40	UNCH14.150	14.150				
DEC19	----	----	----	14.550 + UNCH	----	----	40	UNCH14.700	13.900A				
TOTAL SDI FUT										0	0	320.00	
TPY FUT													
DEC18	1627.00	1644.50B	1615.50A	1628.00 - 1350	----	60	200 +	601840.50B	1567.50A				
TOTAL TPY FUT										0	60	200.00 +	60
TRI FUT													
DEC18	----	----	----	5442.50 + 1200	----	----	38898	UNCH----	----				
MAR19	----	----	----	5480.50 + 1225	----	----	100409	UNCH----	----				
JUN19	----	----	----	5526.50 + 1225	----	----	31000	UNCH----	----				
SEP19	----	----	----	5572.50 + 1225	----	----	42200	UNCH----	----				
DEC19	----	----	----	5619.50 + 1225	----	----	22000	UNCH----	----				
TOTAL TRI FUT										0	0	507.00	

NASDAQ 100 WEEKLY-1 CALLS

STRIKE	OPEN	RANGE	HIGH	LOW	CLOSING RANGE	SETT. PRICE & PT. CHGE.	DELTA	EXER CISES	VOLUME TRADES CLEARED	OPEN INTEREST	--CONTRACT-- HIGH	LOW
DEC18	6650	----	----	274.50A	----	317.75- 2775	.734	----	----	1	UNCH	597.75B 222.00A
6750	----	----	----	206.00A	----	244.00- 2750	.654	----	----	5	UNCH	509.00B 162.75A
6770	----	----	----	193.25A	----	230.25- 2725	.636	----	----	1	UNCH	491.50B 151.75A
6790	----	----	----	181.00A	----	216.50- 2725	.617	----	----	10	UNCH	480.00B 141.50A
6810	----	----	----	168.25A	----	203.25- 2700	.598	----	----	5	UNCH	463.00B 131.50A
6820	----	----	----	162.25A	----	196.75- 2675	.588	----	----	5	UNCH	454.50B 126.75A
6830	----	----	----	156.50A	----	190.50- 2650	.578	----	5	6 +	4	446.75B 122.00A
6850	----	----	----	145.50A	----	177.75- 2650	.558	----	----	5	UNCH	430.25B 112.75A
6870	157.00	----	175.25B	134.50A	----	165.75- 2575	.537	----	2	1 +	1	413.75B 104.00A

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Table with columns: PG40, BULLETIN #223@, NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS, Fri, Nov 16, 2018, PG40. Contains multiple rows of market data including prices, volumes, and open interest.

E-MINI NASDAQ 100 WEEKLY-2 CALLS

Table with columns: STRIKE, OPEN, RANGE, HIGH, LOW, CLOSING, RANGE, SETT. PRICE & PT. CHGE., DELTA, EXER CISES, VOLUME TRADES CLEARED, OPEN INTEREST, --CONTRACT-- HIGH, LOW. Contains weekly call option data for E-MINI NASDAQ 100.

E-MINI NASDAQ 100 WEEKLY-4 CALLS

Table with columns: STRIKE, OPEN, RANGE, HIGH, LOW, CLOSING, RANGE, SETT. PRICE & PT. CHGE., DELTA, EXER CISES, VOLUME TRADES CLEARED, OPEN INTEREST, --CONTRACT-- HIGH, LOW. Contains weekly call option data for E-MINI NASDAQ 100 with a 4-week maturity.

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7230	----	----	*2.10A	----	2.10-	315	.023	----	----	12	UNCH	267.00B	2.10A	
7250	----	----	*1.80A	----	1.75-	250	.018	----	39	45 +	37	253.00B	1.80A	
7270	----	----	*1.60A	----	1.40-	210	.015	----	----	10	UNCH	239.50B	1.60A	
7280	----	----	*1.50A	----	1.30-	185	.013	----	----	7	UNCH	233.00B	1.50A	
7290	2.15	2.15	*1.40A	----	1.15+	NEW	.012	----	3	3 +	3	226.25B	1.40A	
7300	----	----	*1.35A	----	1.05-	160	.011	----	----	21	UNCH	219.75B	1.35A	
7310	----	----	*1.30A	----	.95-	145	.009	----	----	30	UNCH	213.25B	1.30A	
7320	----	----	*1.25A	----	.90-	130	.009	----	----	6	UNCH	207.00B	1.25A	
7330	----	----	*1.20A	----	.80-	120	.008	----	----	10	UNCH	200.50B	1.20A	
7350	0.75	.75	*.70	----	.65-	105	.006	----	13	154 -	12	188.25B	.70	
7360	----	----	*1.05A	----	.60-	95	.006	----	----	6	UNCH	182.00B	1.05A	
7370	----	----	*1.05A	----	.55-	90	.005	----	----	2	UNCH	176.00B	1.05A	
7380	----	----	*1.00A	----	.50-	80	.004	----	----	30	UNCH	170.00B	1.00A	
7390	----	----	*1.00A	----	.45-	75	.004	----	----	10	UNCH	164.25B	1.00A	
7400	----	----	*.95A	----	.45-	65	.004	----	----	190	UNCH	158.50B	.95A	
7410	----	----	*.95A	----	.40-	65	.003	----	----	9	UNCH	153.00B	.95A	
7440	----	----	----	----	.30-	50	.002	----	----	16	UNCH	136.50B	1.75A	
7450	----	----	----	----	.30-	45	.002	----	----	38	UNCH	131.25B	2.10A	
7480	----	----	----	----	.20-	40	.001	----	----	4	UNCH	116.25B	1.05A	
7500	----	----	----	----	.20-	30	.001	----	----	24	UNCH	106.75B	1.70A	
7520	0.50	.50	*.50	----	.15+	NEW	.001	----	11	11 +	11	97.75B	.50	
7530	----	----	----	----	.15-	25	.001	----	----	15	UNCH	93.25B	1.55A	
7560	----	----	----	----	.10-	20	.000	----	----	1	UNCH	81.00B	1.40A	
7580	----	----	----	----	.10-	15	.000	----	----	4	UNCH	73.50B	1.30A	
7740	----	----	----	----	.05-	5	.000	----	----	1	UNCH	27.25B	1.40A	
TOTAL									1081	2600 +	642			
DEC18			(FUTURES SETT. .00)											
6680	----	----	331.75A	----	369.25-	2725	.684	----	----	2	UNCH	430.50B	278.75A	
6950	----	----	168.25A	----	193.50-	2500	.495	----	----	1	UNCH	246.75B	136.75A	
7150	----	----	83.25A	----	99.50-	2000	.330	----	----	14	UNCH	139.00B	66.50A	
7190	----	----	71.00A	----	85.25-	1850	.297	----	----	5	UNCH	121.50B	56.25A	
7210	----	----	65.00A	----	78.50-	1775	.281	----	----	38	UNCH	113.25B	51.75A	
7300	----	----	43.50A	----	53.00-	1425	.212	----	----	11	UNCH	80.00B	35.25A	
TOTAL									0	71				
EMINI NASD CALL			(FUTURES SETT. 6895.25 - 2025.0)											
DEC18														
5500	----	----	1.00324.C	----	1,399.75-	2150	.980	----	----	1	UNCH	2,208.50B	1,094.25A	
6000	----	----	847.50A	----	914.25-	2425	.934	----	----	14	UNCH	1,716.00B	704.50A	
6200	----	----	667.00A	----	728.25-	2600	.893	----	----	16	UNCH	1,528.00B	547.75A	
6300	----	----	581.75A	----	638.50-	2700	.863	----	2	----	2	1,438.75B	474.50A	
6390	----	----	508.00A	----	560.75-	2750	.830	----	----	1	UNCH	1,352.00B	411.75A	
6400	----	----	499.75A	----	552.25-	2750	.826	----	----	6	UNCH	1,342.50B	405.00A	
6410	----	----	491.75A	----	543.75-	2750	.821	----	----	2	UNCH	1,332.75B	398.25A	
6470	----	----	445.25A	----	493.75-	2775	.794	----	----	2	UNCH	1,280.25B	359.50A	
6480	----	----	437.25A	----	485.75-	2775	.790	----	----	3	UNCH	1,271.00B	353.25A	
6490	----	----	429.50A	----	477.50-	2775	.785	----	----	2	UNCH	1,261.50B	347.00A	
6500	----	----	422.00A	----	469.50-	2775	.780	----	----	20	UNCH	1,256.25B	340.75A	
6510	----	----	414.00A	----	461.50-	2775	.775	----	----	2	UNCH	1,247.25B	334.75A	
6540	----	----	391.50A	----	437.50-	2800	.759	----	----	11	UNCH	1,219.50B	316.50A	
6550	----	----	384.00A	----	429.75-	2775	.754	----	----	2	UNCH	1,210.25B	310.75A	
6600	384.00	401.50B	347.00A	----	391.00-	2775	.726	----	7	61 +	4	1,164.00B	280.00	
6610	----	----	340.00A	----	383.50-	2775	.720	----	----	6	UNCH	1,154.75B	276.00A	
6620	----	----	332.75A	----	376.00-	2775	.714	----	----	6	UNCH	1,145.75B	270.50A	
6630	----	----	325.75A	----	368.50-	2775	.708	----	----	4	UNCH	1,136.50B	265.00A	
6640	354.00	371.00B	318.75A	----	361.00-	2775	.702	----	3	10 -	3	1,127.25B	259.50A	
6650	----	----	311.75A	----	353.75-	2775	.696	----	----	5	UNCH	1,118.25B	254.00A	
6680	----	----	291.00A	----	331.75-	2775	.676	----	----	1	UNCH	1,091.00B	238.25A	
6690	----	----	284.25A	----	324.75-	2750	.670	----	----	3	UNCH	1,081.75B	233.00A	
6700	296.25	329.25B	277.50A	----	317.50-	2775	.663	----	4	98 +	1	1,073.00B	227.75A	
6710	----	----	271.00A	----	310.50-	2750	.656	----	----	1	UNCH	1,063.75B	222.75A	
6720	----	----	264.50A	----	303.50-	2750	.649	----	----	17	UNCH	1,054.50B	217.75A	
6730	----	----	258.00A	----	296.50-	2750	.642	----	----	19	UNCH	1,045.50B	212.75A	
6740	----	----	251.75A	----	289.75-	2750	.635	----	----	4	UNCH	1,036.50B	207.75A	
6750	----	----	245.50A	----	283.00-	2725	.628	----	----	53	UNCH	1,027.50B	202.25A	
6760	----	----	239.25A	----	276.25-	2725	.620	----	----	15	UNCH	1,018.75B	196.75A	
6770	----	----	233.00A	----	269.50-	2725	.613	----	----	6	UNCH	1,009.75B	191.25A	
6780	----	----	227.00A	----	262.75-	2725	.606	----	----	16	UNCH	1,000.75B	186.00A	
6790	----	----	221.00A	----	256.25-	2725	.598	----	----	7	UNCH	991.75B	180.75A	
6800	----	----	215.00A	----	249.75-	2700	.590	----	1	137	UNCH	982.75B	175.50A	
6810	228.50	256.00B	209.00A	----	243.50-	2675	.583	----	3	13 +	2	973.75B	170.50A	
6820	210.00	247.00B	203.25A	----	237.00-	2700	.575	----	2	63 +	2	965.00B	165.25A	
6830	216.75	243.25B	197.50A	----	230.75-	2675	.567	----	155	66 +	22	956.00B	160.50A	
6840	208.00	237.00B	191.75A	----	224.50-	2675	.559	----	170	89 +	84	947.25B	155.50A	
6850	215.00	231.00B	186.00A	----	218.50-	2650	.551	----	123	144 +	73	938.25B	150.75A	
6860	210.00	225.25B	180.50A	----	212.25-	2650	.543	----	44	47 +	31	929.50B	146.00A	
6870	205.00	219.25B	175.00A	----	206.50-	2600	.534	----	42	47 +	16	920.75B	141.50A	
6880	206.00	213.25B	169.75A	----	200.50-	2600	.526	----	24	49 +	11	911.75B	137.00A	
6890	195.00	207.50B	164.25A	----	194.75-	2575	.518	----	21	24 +	18	903.00B	132.50A	
6900	193.25	201.75B	159.00A	----	189.00-	2575	.509	----	238	202 -	69	894.25B	128.25A	
6910	188.00	196.00	154.00A	----	183.25-	2550	.501	----	24	60 +	22	885.50B	123.75A	
6920	176.00	190.25B	149.00A	----	177.50-	2550	.492	----	43	48 +	20	876.75B	119.50A	
6930	170.00	184.75B	144.00A	----	172.00-	2525	.483	----	20	15 +	5	868.00B	115.50A	
6940	167.00	179.25B	139.25A	----	166.75-	2500	.475	----	20	82	UNCH	859.75B	111.50A	
6950	160.00	173.75B	134.50A	----	161.25-	2475	.466	----	17	123 +	6	850.75B	107.50A	
6960	156.00	168.50B	129.75A	----	156.00-	2450	.457	----	10	24 +	8	842.00B	103.50A	
6970	152.00	163.00B	125.25A	----	151.00-	2425	.448	----	20	24	UNCH	833.50B	99.25	
6980	150.00	158.00B	120.50A	----	145.75-	2425	.439	----	20	29 +	14	824.75B	96.25A	
6990	145.00	153.00B	116.50A	----	140.75-	2400	.430	----	62	92 +	59	816.25B	92.75A	
7000	137.00	147.75B	112.00A	----	136.00-	2350	.421	----	143	748 +	5	807.75B	89.25A	
7010	----	----	108.00A	----	131.25-	2325	.412	----	1	11 -	1	799.00B	85.75A	
7020	----	----	103.75A	----	126.50-	2300	.403	----	1	14	UNCH	790.50B	82.25A	
7030	----	----	99.75A	----	122.00-	2250	.394	----	1	75	UNCH	782.00B	79.25A	
7040	----	----	96.00A	----	117.50-	2225	.385	----	----	13	UNCH	773.50B	76.00A	
7050	118.00	124.00B	92.00A	----	113.00-	2200	.375	----	24	140 +	5	765.00B	73.00A	
7060	----	----	88.50A	----	108.75-	2150	.366	----	35	68 -	2	756.50B	70.00A	
7070	----	----	84.75A	----	104.50-	2125	.357	----	----	21	UNCH	748.25B	67.25A	
7080	91.00	106.25B	81.25A	----	100.25-	2100	.348	----	6	19	UNCH	739.75B	64.50A	
7090	----	----	77.75A	----	96.25-	2050	.339	----	----	122	UNCH	731.50B	61.75A	
7100	98.00	102.50B	74.50A	----	92.50-	2000	.330	----	243	328 +	119	723.00B	59.00A	
7110	76.25	94.00B	71.50A	----	88.75-	1950	.321	----	6	47	UNCH	714.75B	56.50A	
7120	77.00	94.50B	68.25A	----	85.00-	1925	.312	----	8	19 +	6	706.50B		



PRELIMINARY

PG40	BULLETIN #223@	NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS								Fri, Nov 16, 2018				PG40
7410	21.25	21.25	15.75A	----	19.50-	750	.103	----	6	44 +	1	481.50B	13.75A	
7420	----	----	14.75A	----	18.50-	725	.098	----	----	26	UNCH	473.75B	13.25A	
7430	----	----	14.00A	----	17.50-	675	.094	----	----	27	UNCH	466.50B	12.50A	
7440	14.75	17.50B	13.25A	----	16.50-	675	.089	----	4	77 -	1	459.25B	12.00A	
7450	18.00	19.25	12.50A	----	15.50-	650	.085	----	62	219 +	55	451.50B	11.50A	
7460	----	----	12.00A	----	14.75-	625	.081	----	----	85	UNCH	444.50B	11.00A	
7470	----	----	11.50A	----	14.00-	575	.078	----	----	40	UNCH	437.75B	10.50A	
7480	----	----	10.75A	----	13.25-	550	.074	----	----	111	UNCH	430.00B	10.00A	
7490	----	----	10.25A	----	12.50-	550	.071	----	----	147	UNCH	423.00B	9.50A	
7500	12.00	12.25B	9.75A	----	12.00-	500	.068	----	38	679 +	36	415.75B	9.00A	
7510	10.75	13.00B	9.25A	----	11.25-	500	.064	----	1	62	UNCH	408.50B	8.75A	
7520	----	----	8.75A	----	10.75-	475	.062	----	----	56	UNCH	401.50B	8.25A	
7530	----	----	8.25A	----	10.25-	450	.059	----	----	131	UNCH	394.75B	8.00A	
7540	----	----	8.00A	----	9.75-	425	.056	----	----	14	UNCH	388.00B	7.50A	
7550	10.25	10.25	7.50A	----	9.25-	400	.054	----	7	238 -	3	381.25B	7.25A	
7560	----	----	7.25A	----	8.75-	400	.051	----	----	39	UNCH	374.75B	7.00A	
7570	----	----	6.75A	----	8.25-	375	.049	----	----	17	UNCH	368.75B	6.75A	
7580	----	----	6.50A	----	7.75-	375	.046	----	----	102	UNCH	362.00B	6.50A	
7590	----	----	6.25A	----	7.50-	350	.045	----	----	21	UNCH	355.50B	6.00A	
7600	7.50	7.50	6.00	----	7.00-	350	.042	----	104	487 -	16	348.75B	5.75	
7610	----	----	5.75A	----	6.75-	325	.040	----	----	40	UNCH	342.25B	5.75A	
7620	----	----	5.50A	----	6.50-	300	.039	----	----	29	UNCH	335.75B	5.50A	
7630	----	----	5.25A	----	6.00-	300	.036	----	----	144	UNCH	329.25B	5.25A	
7640	----	----	*4.80A	----	5.75-	300	.035	----	----	50	UNCH	322.75B	4.80A	
7650	6.00	6.00	*4.60A	----	5.50-	275	.033	----	3	156	UNCH	316.50B	4.60A	
7660	----	----	*4.40A	----	5.25-	250	.032	----	----	51	UNCH	310.25B	4.40A	
7670	----	----	*4.25A	----	5.00-	250	.031	----	10	69 +	10	304.00B	4.25A	
7680	----	----	*4.05A	----	4.80-	245	.029	----	----	107	UNCH	297.75B	4.05A	
7690	----	----	*3.90A	----	4.55-	220	.028	----	----	116	UNCH	291.75B	3.90A	
7700	----	----	*3.75A	----	4.35-	215	.027	----	----	523	UNCH	285.50B	3.75A	
7710	----	----	*3.65A	----	4.15-	210	.026	----	----	11	UNCH	279.50B	3.65A	
7720	----	----	*3.50A	----	3.95-	205	.024	----	----	49	UNCH	273.50B	3.50A	
7730	----	----	*3.40A	----	3.75-	200	.023	----	----	9	UNCH	267.75B	3.40A	
7740	3.80	3.80	*3.25A	----	3.60-	190	.022	----	50	84 +	50	261.75B	3.25A	
7750	3.25	3.25	*2.60	----	3.40-	185	.021	----	14	220 -	2	256.00B	2.60	
7760	----	----	*3.05A	----	3.25-	170	.020	----	----	9	UNCH	250.50B	3.05A	
7770	----	----	*2.95A	----	3.10-	165	.019	----	----	26	UNCH	244.75B	2.95A	
7780	----	----	*2.90A	----	2.95-	160	.018	----	----	37	UNCH	239.00B	2.90A	
7790	----	----	*2.80A	----	2.85-	150	.018	----	----	56	UNCH	233.50B	2.80A	
7800	3.50	3.50	*2.75A	----	2.70-	145	.017	----	4	403 -	2	228.00B	2.75A	
7810	----	----	*2.65A	----	2.55-	145	.016	----	----	26	UNCH	222.75B	2.65A	
7820	----	----	2.60A	----	2.45-	135	.015	----	----	26	UNCH	217.25B	2.60	
7830	----	----	*2.50A	----	2.35-	130	.015	----	----	3	UNCH	212.00B	2.50A	
7840	----	----	*2.45A	----	2.25-	125	.014	----	----	2	UNCH	206.75B	2.45A	
7850	----	----	*2.40A	----	2.15-	120	.013	----	----	37	UNCH	201.75B	2.40A	
7860	----	----	*2.30A	----	2.05-	120	.013	----	123	208 +	91	196.75B	2.30A	
7870	----	----	*2.25A	----	1.95-	115	.012	----	----	51	UNCH	191.75B	2.25A	
7880	----	----	*2.20A	----	1.85-	115	.012	----	----	41	UNCH	186.75B	2.20A	
7890	----	----	*2.15A	----	1.80-	110	.011	----	----	44	UNCH	181.75B	2.15A	
7900	----	----	*2.10A	----	1.70-	110	.011	----	----	221	UNCH	177.25B	2.10A	
7910	----	----	*2.00A	----	1.65-	105	.010	----	----	95	UNCH	173.00B	2.00A	
7920	----	----	*1.95A	----	1.55-	105	.010	----	----	30	UNCH	169.50B	1.95A	
7930	----	----	*1.90A	----	1.50-	100	.009	----	----	109	UNCH	167.00B	1.90A	
7940	----	----	*1.90A	----	1.45-	100	.009	----	----	17	UNCH	163.50B	1.90A	
7950	----	----	*1.40A	----	1.40-	95	.009	----	----	80	UNCH	160.50B	1.40A	
7960	----	----	*1.80A	----	1.35-	95	.008	----	----	35	UNCH	157.50B	1.80A	
7970	----	----	*1.75A	----	1.25-	100	.008	----	----	9	UNCH	154.75B	1.75A	
7980	----	----	*1.70A	----	1.20-	95	.007	----	----	36	UNCH	152.00B	1.70A	
7990	----	----	*1.70A	----	1.15-	95	.007	----	----	56	UNCH	149.00B	1.70A	
8000	----	----	*1.60A	----	1.10-	95	.007	----	----	445	UNCH	146.50B	1.60A	
8010	----	----	*1.60A	----	1.10-	90	.007	----	----	22	UNCH	142.00B	1.60A	
8020	----	----	*1.60A	----	1.05-	90	.006	----	----	4	UNCH	139.25B	1.60A	
8030	----	----	*1.55A	----	1.00-	90	.006	----	----	3	UNCH	136.75B	1.55A	
8050	----	----	*1.50A	----	.90-	90	.005	----	----	119	UNCH	132.50B	1.50A	
8070	----	----	*1.45A	----	.85-	85	.005	----	----	5	UNCH	127.50B	1.45A	
8090	----	----	*1.40A	----	.80-	85	.005	----	----	13	UNCH	121.75B	1.40A	
8100	----	----	1.40A	----	.75-	85	.004	----	----	155	UNCH	119.25B	.95	
8110	----	----	*1.35A	----	.75-	80	.004	----	----	6	UNCH	116.75B	1.35A	
8120	----	----	*1.35A	----	.70-	80	.004	----	----	8	UNCH	114.50B	1.35A	
8140	----	----	*1.30A	----	.65-	80	.004	----	----	3	UNCH	110.00B	1.30A	
8150	----	----	*1.30A	----	.65-	75	.004	----	----	33	UNCH	107.75B	1.30A	
8160	----	----	*1.25A	----	.60-	80	.003	----	----	9	UNCH	104.75B	1.25A	
8170	----	----	*1.25A	----	.60-	75	.003	----	----	1	UNCH	102.75B	1.25A	
8180	----	----	*1.25A	----	.55-	80	.003	----	----	9	UNCH	100.50B	1.25A	
8190	----	----	*1.20A	----	.55-	75	.003	----	----	9	UNCH	98.25B	1.20A	
8200	----	----	*1.20A	----	.55-	70	.003	----	----	227	UNCH	96.25B	1.20A	
8210	----	----	*1.15A	----	.50-	75	.003	----	----	24	UNCH	94.25B	1.15A	
8220	----	----	*1.15A	----	.50-	70	.003	----	----	7	UNCH	92.25B	1.15A	
8230	----	----	*1.10A	----	.50-	70	.003	----	----	86	UNCH	90.25B	1.10A	
8240	----	----	*1.10A	----	.45-	70	.002	----	----	47	UNCH	88.00B	1.10A	
8250	----	----	*1.05A	----	.45-	70	.002	----	----	81	UNCH	86.50B	1.05A	
8270	----	----	*1.00A	----	.40-	65	.002	----	----	26	UNCH	82.75B	1.00A	
8280	----	----	*1.00A	----	.40-	65	.002	----	----	23	UNCH	80.75B	1.00A	
8290	----	----	*.95A	----	.40-	60	.002	----	----	61	UNCH	79.00B	.95A	
8300	----	----	*.95A	----	.40-	60	.002	----	----	87	UNCH	77.25B	.95A	
8330	----	----	----	----	.35-	55	.002	----	----	4	UNCH	72.25B	1.75A	
8340	----	----	*.85A	----	.35-	55	.002	----	----	1	UNCH	70.50B	.85A	
8350	----	----	----	----	.35-	50	.002	----	----	74	UNCH	69.00B	1.70A	
8360	----	----	----	----	.30-	55	.001	----	----	30	UNCH	67.50B	1.65A	
8370	----	----	----	----	.30-	50	.001	----	----	4	UNCH	65.75B	1.60A	
8390	----	----	----	----	.30-	45	.001	----	----	19	UNCH	62.75B	1.55A	
8400	----	----	----	----	.30-	45	.001	----	----	39	UNCH	61.25B	.75A	
8410	----	----	----	----	.30-	45	.001	----	----	28	UNCH	60.00B	1.50A	
8440	----	----	----	----	.25-	40	.001	----	----	18	UNCH	55.75B	1.40A	
8450	----	----	----	----	.25-	40	.001	----	----	21	UNCH	55.00	1.40A	
8470	----	----	----	----	.25-	35	.001	----	----	51	UNCH	51.75B	1.35A	
8500	----	----	----	----	.20-	35	.001	----	----	187	UNCH	50.00	1.30A	
8520	----	----	----	----	.20-	35	.001	----	----	1	UNCH	42.50B	1.25A	
8550	----	----	----	----	.20-	30	.001	----	----	3	UNCH	39.25B	2.90A	
8600	----	----	----	----	.15-	30	.000	----	----	345	UNCH	20.00	2.40A	
8650	0.15	.15	*.15	----	.15-	25	.000	----	20	20	UNCH	11.00B	.15	
8660	----	----	----	----	.15-	20	.000	----	----	14	UNCH	10.50B	2.15A	
8700	----	----	----	----	.15-	20	.000	----	----	2	UNCH	28.50B	1.95A	
8740	----	----	----	----	.10-	20	.000	----	----	1	UNCH	7.25B	3.65	
8750	----	----	----	----	.10-	20	.000	----	----	10	UNCH	8.00	4.80A	
8760	----	----	----	----	.10-	20	.000	----	----	24	UNCH	6.75B	4.80A	
8790	----	----	----	----	.10-	15	.000	----	----	24	UNCH	5.25B	4.80A	
8800	----	----	----	----	.10-	15	.000	----	----	15	UNCH	24.00B	2.80	
8810	----													



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



PRELIMINARY

Table with columns: PG40, BULLETIN #223@, NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS, Fri, Nov 16, 2018, PG40. Rows include contract symbols (e.g., MAR19, 6000), prices, and volume data.

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CME Group, Inc.

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

Customer Service: (312) 930-1000

PRELIMINARY

PG40	BULLETIN #223@	NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS										Fri, Nov 16, 2018		PG40
8980	----	----	----	----	1.75-	60	.007	----	----	2	UNCH	18.75B	2.50	
8990	----	----	----	----	1.75-	55	.007	----	----	23	UNCH	18.25B	2.00	
9000	----	----	----	----	1.70-	60	.006	----	----	8	UNCH	22.00	2.05	
9130	----	----	----	----	1.45-	35	.005	----	----	4	UNCH	11.50B	8.00A	
9150	----	----	----	----	1.40-	35	.005	----	----	25	UNCH	8.75	8.75	
9260	----	----	----	----	1.20-	25	.004	----	----	10	UNCH	7.50B	7.25	
9300	----	----	----	----	1.10-	25	.004	----	----	1	UNCH	7.00B	1.50A	
9310	----	----	----	----	1.10-	20	.004	----	----	25	UNCH	7.00B	6.75	
9470	----	----	----	----	.85-	15	.003	----	----	33	UNCH	5.50B	3.70	
9490	----	----	----	----	.85-	10	.003	----	----	32	UNCH	5.25B	3.65	
9690	----	----	----	----	.60-	10	.002	----	----	38	UNCH	3.50	3.55	
9700	----	----	----	----	.60-	10	.002	----	----	38	UNCH	3.55	3.50	
TOTAL										197		2153 +	133	
JUN19	EMINI NASD CALL	(FUTURES SETT.	6956.50 -	1975.0)										
4910	----	2.00033.5	----	----	2,081.75-	2150	.937	----	----	17	UNCH	2,877.50E	1,938.00	
6330	----	827.75A	----	----	870.00-	2200	.723	----	----	5	UNCH	1,557.25E	710.00A	
6420	----	764.75A	----	----	804.00-	2150	.700	----	----	3	UNCH	1,479.50E	652.25A	
6480	----	723.75A	----	----	761.25-	2100	.684	----	----	3	UNCH	1,428.00E	615.00A	
6700	----	581.75A	----	----	612.00-	1925	.619	----	----	3	UNCH	1,243.75E	486.75A	
7050	----	384.75A	----	----	408.50-	1850	.499	----	----	3	UNCH	966.50B	313.50A	
7100	----	359.75A	----	----	383.00-	1875	.481	----	----	3	UNCH	928.00B	292.25A	
7150	----	335.75A	----	----	358.50-	1825	.462	----	----	10	UNCH	891.50B	271.75A	
7190	----	317.25A	----	----	339.25-	1800	.448	----	----	10	UNCH	867.00B	256.00A	
7200	----	312.50A	----	----	334.50-	1800	.444	----	----	7	UNCH	859.75B	252.25A	
7210	----	308.00A	----	----	329.75-	1800	.440	----	----	5	UNCH	852.50B	248.50A	
7240	----	294.75A	----	----	315.75-	1775	.429	----	----	5	UNCH	830.75B	237.25A	
7280	----	277.50A	----	----	297.50-	1725	.414	----	----	2	UNCH	801.75B	222.75A	
7300	----	269.00A	----	----	288.50-	1725	.406	----	----	1	UNCH	787.25B	215.75A	
7310	----	264.75A	----	----	284.00-	1700	.402	----	----	5	UNCH	780.00B	212.50A	
7320	----	260.75A	----	----	279.75-	1675	.399	----	----	1	UNCH	773.25B	209.00A	
7330	----	256.75A	----	----	275.25-	1700	.395	----	----	5	UNCH	766.25B	205.75A	
7350	----	248.75A	----	----	266.75-	1650	.387	----	----	7	UNCH	751.75B	199.00A	
7360	----	244.75A	----	----	262.50-	1650	.383	----	----	2	UNCH	744.75B	195.75A	
7450	----	210.75A	----	----	226.00-	1525	.349	----	----	5	UNCH	683.75B	168.00A	
7460	----	207.25A	----	----	222.00-	1525	.345	----	----	5	UNCH	677.00B	165.25A	
7490	----	196.75A	----	----	210.75-	1475	.334	----	----	5	UNCH	656.75B	156.75A	
7500	----	193.25A	----	----	207.00-	1475	.330	----	----	4	UNCH	650.50B	154.00A	
7530	----	183.25A	----	----	196.25-	1425	.318	----	----	1	UNCH	630.75B	146.00A	
7600	----	161.50A	----	----	172.50-	1350	.292	----	----	2	UNCH	585.75B	128.25A	
7610	----	158.50A	----	----	169.50-	1300	.289	----	----	10	UNCH	579.50B	126.00A	
7650	----	146.75A	----	----	157.00-	1275	.274	----	----	30	UNCH	554.50B	116.75A	
7750	----	120.75A	----	----	128.50-	1150	.239	----	----	18	UNCH	494.00B	96.00A	
7800	----	109.00A	----	----	115.75-	1100	.222	----	----	1	UNCH	465.50B	86.75A	
7880	----	91.75A	----	----	97.50-	975	.196	----	----	2	UNCH	421.25B	73.50A	
7890	----	89.75A	----	----	95.25-	975	.193	----	----	1	UNCH	415.75B	72.00A	
7900	----	87.75A	----	----	93.25-	950	.190	----	----	1	UNCH	410.25B	70.50A	
8000	----	70.00A	----	----	74.00-	825	.160	----	----	1	UNCH	359.25B	57.00A	
8030	----	65.50A	----	----	69.00-	775	.151	----	----	9	UNCH	344.25B	53.25A	
8050	----	62.75A	----	----	65.75-	750	.146	----	----	2	UNCH	335.00B	51.00A	
8140	----	50.50A	----	----	52.75-	650	.123	----	----	4	UNCH	293.25B	41.75A	
8150	----	49.75A	----	----	51.25-	650	.120	----	----	4	UNCH	289.00B	40.75A	
8200	----	43.75A	----	----	45.25-	600	.109	----	----	2	UNCH	267.75B	36.25A	
8250	----	39.00A	----	----	39.75-	550	.099	----	----	1	UNCH	247.50B	32.25A	
8300	----	34.50A	----	----	35.00-	500	.089	----	----	1	UNCH	228.50B	28.75A	
8350	----	30.50A	----	----	30.75-	450	.080	----	----	2	UNCH	210.25B	25.75A	
8360	----	29.75A	----	----	29.75-	450	.078	----	----	2	UNCH	206.75B	25.00A	
8400	----	27.00A	----	----	26.75-	425	.071	----	----	6	UNCH	193.00B	22.75A	
8430	----	25.25A	----	----	24.75-	400	.067	----	----	2	UNCH	183.25B	21.25A	
8440	----	24.50A	----	----	24.25-	375	.066	----	----	7	UNCH	180.00B	20.75A	
8470	----	23.00A	----	----	22.25-	350	.061	----	----	5	UNCH	170.75B	19.50A	
8500	----	21.25A	----	----	20.50-	350	.057	----	----	17	UNCH	161.75B	18.00	
8560	----	18.50A	----	----	17.50-	300	.050	----	----	4	UNCH	144.75B	16.00A	
8580	----	17.75A	----	----	16.75-	275	.048	----	----	5	UNCH	139.50B	15.25A	
8590	----	17.50A	----	----	16.25-	275	.047	----	----	5	UNCH	136.75B	15.00A	
8610	----	16.75A	----	----	15.50-	250	.045	----	----	10	UNCH	131.75B	14.25A	
8640	----	15.75A	----	----	14.25-	250	.042	----	----	8	UNCH	124.25B	13.50A	
8650	----	15.25A	----	----	14.00-	250	.041	----	----	4	UNCH	122.00B	13.25A	
8660	----	15.00A	----	----	13.50-	250	.040	----	----	4	UNCH	119.50B	12.75A	
8700	----	14.00A	----	----	12.25-	225	.037	----	----	15	UNCH	110.50B	11.75A	
8740	----	12.75A	----	----	11.00-	200	.033	----	----	9	UNCH	102.00B	11.00A	
8780	----	----	----	----	10.00-	200	.031	----	----	62	UNCH	94.00B	10.25A	
8790	----	----	----	----	9.75-	200	.030	----	----	25	UNCH	92.00B	10.00A	
8850	----	----	----	----	8.50-	150	.026	----	----	2	UNCH	81.25B	9.00A	
8880	----	----	----	----	7.75-	175	.024	----	----	100	UNCH	76.25B	8.50A	
8890	----	----	----	----	7.75-	150	.024	----	----	10	UNCH	74.50B	8.25A	
8900	----	----	----	----	7.50-	150	.023	----	----	10	UNCH	73.00B	8.25A	
9000	----	----	----	----	6.00-	100	.019	----	----	4	UNCH	63.00	6.50A	
9010	----	----	----	----	5.75-	125	.018	----	----	1	UNCH	57.00B	12.50A	
9080	----	----	----	----	4.95-	105	.016	----	----	3	UNCH	48.75B	6.50	
9180	----	----	----	----	3.95-	75	.013	----	----	2	UNCH	38.50B	9.50A	
9310	----	----	----	----	2.95-	55	.010	----	----	4	UNCH	28.00B	13.50A	
TOTAL										0		534		
SEP19	EMINI NASD CALL	(FUTURES SETT.	6987.00 -	1775.0)										
6900	----	567.75A	----	----	590.25-	1750	.564	----	----	7	UNCH	1,161.75E	480.75A	
6980	----	523.75A	----	----	546.50-	1750	.540	----	----	3	UNCH	1,100.50E	442.25A	
6990	----	518.25A	----	----	541.25-	1725	.537	----	----	2	UNCH	1,093.00E	437.50A	
7100	----	460.75A	----	----	484.50-	1675	.504	----	----	5	UNCH	1,010.75E	387.25A	
7270	----	379.25A	----	----	401.50-	1600	.452	----	----	5	UNCH	897.50B	318.75A	
7280	----	374.75A	----	----	396.75-	1600	.449	----	----	5	UNCH	890.75B	315.00A	
7400	----	322.75A	----	----	342.25-	1500	.411	----	----	2	UNCH	808.00B	270.50A	
7500	----	283.00A	----	----	299.75-	1425	.379	----	----	1	UNCH	742.00B	237.75A	
8000	----	132.25A	----	----	139.00-	1000	.226	----	----	7 +	2	448.25B	111.25A	
8250	----	84.50A	----	----	88.00-	775	.162	----	----	1	UNCH	329.25B	72.25A	
8600	----	43.												



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PRELIMINARY

PG40	BULLETIN #223@	NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS										Fri, Nov 16, 2018		PG40
1540	9.30	10.90B	5.10A	----	9.40-	280	.395	----	4	81	UNCH	55.50B	4.00A	
1545	15.00	16.20B	4.00A	----	7.30-	280	.331	----	156	156 +	156	51.20B	3.20A	
1550	10.80	14.30B	10.20A	----	15.30+	NEW	.403	----	29	71 -	4	200.50B	7.40A	
1555	6.40	6.40	8.70A	----	13.20-	180	.365	----	5	32 -	4	195.90B	6.40A	
1555	----	----	3.10A	----	5.60-	260	.271	----	36	UNCH	43.10B	2.05A		
1555	----	----	2.30A	----	4.15-	245	.215	----	6	UNCH	191.30B	5.40A		
1560	3.00	3.10B	7.40A	----	11.20-	180	.326	----	1	22 +	1	39.20B	1.65A	
1560	7.30	10.10B	1.75A	----	3.00-	220	.165	----	20	28 +	20	186.70B	4.55A	
1565	----	----	6.20A	----	9.40-	180	.289	----	20	UNCH	182.10B	3.85A		
1565	----	----	5.20A	----	7.90-	170	.254	----	3	UNCH	35.70B	1.30A		
1570	----	----	1.35A	----	2.10-	195	.122	----	14	UNCH	177.60B	3.25A		
1570	----	----	4.20A	----	6.50-	170	.219	----	14	UNCH	32.10B	1.00A		
1575	----	----	*1.00A	----	1.45-	170	.087	----	54	UNCH	173.00B	2.75A		
1575	----	----	3.45A	----	5.30-	160	.188	----	24	UNCH	28.70B	.80A		
1580	----	----	*.80A	----	1.00-	140	.062	----	11	UNCH	25.60B	.60A		
1580	----	----	*.60A	----	.70-	110	.044	----	5	UNCH	168.60B	2.30A		
1585	----	----	2.85A	----	4.35-	145	.160	----	9	UNCH	164.00B	1.90A		
1585	----	----	2.35A	----	3.50-	135	.134	----	45	UNCH	22.50B	.50A		
1590	----	----	*.50A	----	.50-	90	.031	----	5	UNCH	19.60B	.40A		
1590	----	----	*.40A	----	.35-	70	.022	----	31	UNCH	159.60B	1.60A		
1595	----	----	1.95A	----	2.80-	120	.111	----	59	UNCH	16.90B	.35A		
1595	----	----	.35A	----	.30-	55	.018	----	2	UNCH	155.40B	1.35A		
1600	----	----	1.60A	----	2.25-	110	.092	----	7	UNCH	150.70B	1.15A		
1600	----	----	.30A	----	.25-	40	.014	----	23	UNCH	12.10B	.25A		
1605	----	----	1.30A	----	1.80-	95	.075	----	3	UNCH	146.30B	.95A		
1605	----	----	*.25A	----	.20-	30	.011	----	10	UNCH	10.10B	.25A		
1610	----	----	1.05A	----	1.45-	80	.062	----	42	UNCH	142.00B	.80A		
1610	----	----	.25A	----	.15-	25	.008	----	1	UNCH	137.60B	.65A		
1615	----	----	.90A	----	1.15-	70	.050	----	102	UNCH	8.30B	.20A		
1615	----	----	.75A	----	.90-	60	.040	----	94	UNCH	133.30B	.55A		
1620	----	----	*.20A	----	.10-	25	.005	----	5	UNCH	6.80B	.20A		
1620	----	----	.65A	----	.75-	50	.033	----	71	UNCH	5.60B	.20A		
1625	----	----	*.20A	----	.10-	15	.005	----	103	UNCH	129.30B	.50A		
1625	----	----	.55A	----	.60-	45	.027	----	35	UNCH	4.70B	.15A		
1630	----	----	*.15A	----	.05-	15	.002	----	85	UNCH	124.80B	.40A		
1630	----	----	.45A	----	.50-	35	.022	----	20	UNCH	3.95B	.25A		
1635	----	----	.40A	----	.05-	10	.001	----	2	UNCH	120.60B	.35A		
1640	0.40	.40	*.35A	----	.40-	30	.018	----	11	UNCH	116.40B	.35A		
1645	----	----	.35A	----	.35-	25	.016	----	19	UNCH	112.30B	.35A		
1650	----	----	.30A	----	.30-	20	.013	----	379	UNCH	108.20B	.30A		
1655	----	----	*.25A	----	.25-	10	.011	----	2	UNCH	104.10B	.25A		
1660	----	----	.25A	----	.20-	15	.008	----	3	UNCH	100.10B	.25A		
1670	----	----	.20A	----	.15-	10	.006	----	4	UNCH	92.20B	.20A		
1675	----	----	----	----	.15-	5	.006	----	100	UNCH	88.40B	.25A		
1680	----	----	----	----	.15-	5	.006	----	63	UNCH	84.60B	.35A		
1695	----	----	----	----	.10-	5	.004	----	1	UNCH	73.50B	.25A		
1700	----	----	----	----	.10-	5	.003	----	164	UNCH	69.90B	.25A		
1705	----	----	----	----	.10	UNCH	.003	----	1	UNCH	66.40B	.30A		
1710	----	----	----	----	.10	UNCH	.003	----	2	UNCH	62.90B	.25A		
1715	----	----	----	----	.10	UNCH	.003	----	1	UNCH	59.60B	.20A		
1725	----	----	----	----	.10	UNCH	.003	----	1	UNCH	53.10B	.20A		
1750	----	----	----	----	.05	UNCH	.001	----	20	UNCH	38.20B	.40A		
1760	----	----	----	----	.05	UNCH	.000	----	1	UNCH	33.00B	.15A		
1770	----	----	----	----	.05	UNCH	.000	----	2	UNCH	28.10B	.45A		
1800	----	----	----	----	.05+	5	.000	----	1	UNCH	16.30B	.40A		
1805	----	----	----	----	.05+	5	.000	----	1	UNCH	14.70B	.30A		
TOTAL									400	2561 -	327			
DEC18	RTM EOM	(FUTURES SETT.	6895.25 -	2025.0)										
1350	----	189.20B	173.80A	----	191.10+	270	.924	----	1	UNCH	338.20B	145.30A		
1430	----	118.60B	103.10A	----	119.00+	170	.821	----	5	UNCH	261.00B	81.60A		
1435	----	114.50B	99.10A	----	114.70+	160	.812	----	5	UNCH	181.00B	78.40A		
1495	----	68.00B	56.10A	----	68.00+	50	.660	----	4	UNCH	164.00B	44.70A		
1500	----	64.40B	53.00A	----	64.50+	40	.644	----	2	UNCH	195.40B	42.40A		
1505	----	----	39.10A	----	50.00-	10	.630	----	20	UNCH	59.20B	31.60		
1510	----	57.70B	47.00A	----	57.70+	20	.610	----	1	UNCH	186.30B	37.90A		
1515	----	54.60B	44.20A	----	54.40	UNCH	.593	----	40	UNCH	181.70B	35.80A		
1520	----	51.50B	41.40A	----	51.30	UNCH	.575	----	1	UNCH	177.20B	33.70A		
1525	41.40	48.40B	38.80A	----	48.20-	10	.556	----	3	31 +	3	172.70B	31.80A	
1530	38.70	45.40B	36.20A	----	45.20-	20	.538	----	1	52 +	1	168.20B	29.70A	
1535	----	----	33.60A	----	42.20-	40	.518	----	3	UNCH	163.70B	27.50A		
1540	----	----	31.20A	----	39.40-	40	.499	----	38	UNCH	159.30B	25.40A		
1540	----	----	21.40A	----	28.80-	90	.468	----	8	UNCH	37.20B	16.80A		
1545	29.70	36.90B	28.90A	----	36.70-	50	.479	----	2	8 +	2	154.90B	23.50A	
1545	23.00	26.70B	19.40A	----	26.20-	100	.443	----	2	9 +	2	34.40B	15.20A	
1550	----	----	26.80A	----	34.10-	60	.459	----	3	UNCH	150.50B	21.60A		
1550	21.00	24.20B	17.50A	----	23.80-	110	.417	----	2	6 +	2	31.70B	13.70A	
1555	----	----	24.70A	----	31.50-	70	.438	----	19	UNCH	146.10B	19.90A		
1555	17.60	21.90B	15.80A	----	21.50-	110	.392	----	5	17 +	5	29.10B	12.30A	
1560	----	----	22.70A	----	29.10-	80	.417	----	5	UNCH	141.80B	18.20A		
1560	17.50	19.80B	14.10A	----	19.30-	120	.366	----	2	12 +	1	26.60B	11.00A	
1565	----	----	12.60A	----	17.30-	120	.340	----	4	UNCH	24.30B	9.80A		
1565	----	----	20.80A	----	26.80-	80	.397	----	3	UNCH	137.50B	16.70A		
1570	----	----	11.20A	----	15.50-	120	.315	----	4	UNCH	22.00B	8.70A		
1570	----	----	19.10A	----	24.60-	90	.376	----	6	UNCH	133.20B	15.20A		
1575	----	----	17.40A	----	22.50-	100	.355	----	66	UNCH	129.00B	13.90A		
1580	----	----	15.90A	----	20.50-	100	.334	----	12	UNCH	124.70B	12.60A		
1585	----	----	14.40A	----	18.70-	100	.314	----	23	UNCH	120.60B	11.40A		
1590	----	----	13.10A	----	16.90-	110	.294	----	7	UNCH	116.40B	10.40A		
1595	----	----	11.80A	----	15.30-	110	.274	----	35	UNCH	112.40B	9.40A		
1595	----	----	5.90A	----	8.10-	120	.198	----	3	UNCH	12.80B	4.65A		
1600	----	----	10.70A	----	13.80-	110	.255	----	6	UNCH	109.10B	8.40A		
1605	5.70	6.70B	4.45A	----	6.10-	110	.159	----	1	UNCH	10.10B	3.60A		
1605	----	----	9.60A	----	12.40-	110	.236	----	45	UNCH	105.00B	7.60A		
1610	----	----	8.60A	----	11.10-	110	.218	----	1	UNCH	101.00B	6.80A		
1615	5.10	5.10	3.40A	----	4.50-	100	.125	----	2	UNCH	7.80B	2.80A		
1615	----	----	7.70A	----	9.90-	110	.200	----	6	UNCH	97.10B	6.10A		
1620	----	----	6.80A	----	8.80-	110	.183	----	3	UNCH	93.20B	5.50A		
1625	----	----	2.55A	----	3.25-	95	.096	----	30	UNCH	5.90B	2.15A		
1625	----	----	6.10A	----	7.80-	110	.167	----	11	UNCH	89.40B	4.95A		
1630	----	----	5.40A	----	6.90-	100	.152	----	42	UNCH	85.60B	4.40A		
1635	----	----	4.80A	----	6.10-	100	.138	----	14	UNCH	81.90B	3.95A		
1640	----	----	4.25A	----	5.40-	90	.125	----	7	UNCH	78.20B	3.55A		
1645	----	----	3.80A	----	4.75-	85	.113	----	1	UNCH	74.60B	3.20A		
1650	----	----	3.35A	----	4.15-	85	.101	----	17	UNCH	71.00B	2.85A		
1660	----	----	2.65A	----	3.20-	75	.081	----	1	UNCH	64.10B	2.30A		
1665	----	----	2.35A	----	2.80-	70	.073	----	13	UNCH	61.00B	2.05A		
1670	----	----	2.10A	----	2.45-	65	.065	----	64	UNCH	57.70B	1.80A		
1680	----	----	1.65A	----	1.90-	50	.052	----	2	UNCH	51.40B	1.45A		
1685	----	----	1.50A	----	1.65-	50	.046	----	35	UNCH	48.30B	1.30A		
1690	----	----	1.35A	----	1.45-	45	.041	----	50	UNCH	45.40B	1.15A		
1695	----	----	1.20A	----	1.30-	40	.037	----	4	UNCH	42.50B	1.05A		
1700	----	----	.45A	----	.40-	10	.014	----	3	UNCH	.45B	.40A		
1715	----	----	.80A	----	.85-	20	.025	----	3	UNCH	32.00B			



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PRELIMINARY

PG40 BULLETIN #223@		NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS										Fri, Nov 16, 2018		PG40
1520	----	59.60B	49.60A	----	59.70+	30	.567	----	----	2	UNCH	243.00B	39.20A	
1525	----	56.60B	46.90A	----	56.60+	NEW	.552	----	1	1 +	1	238.00B	37.10A	
1535	----	----	41.70A	----	50.60-	10	.520	----	2	2	UNCH	189.00B	33.20A	
1540	----	----	39.30A	----	47.80-	10	.504	----	50	50	UNCH	224.50B	31.40A	
1545	----	----	36.90A	----	45.00-	20	.487	----	1	14 -	1	181.40B	29.60A	
1550	----	----	34.50A	----	42.40-	20	.471	----	1	1	UNCH	215.70B	27.90A	
1555	----	----	32.30A	----	39.80-	30	.454	----	4	4	UNCH	180.90B	26.20A	
1560	----	----	30.20A	----	37.30-	40	.437	----	36	36	UNCH	206.80B	24.70A	
1570	----	----	26.30A	----	32.50-	60	.402	----	51	51	UNCH	198.00B	21.30A	
1575	----	----	24.40A	----	30.30-	60	.385	----	15	15	UNCH	193.60B	19.70A	
1585	----	----	20.90A	----	26.10-	70	.350	----	10	10	UNCH	154.80B	16.80A	
1590	----	----	19.30A	----	24.20-	70	.333	----	17	17	UNCH	180.50B	15.50A	
1600	17.50	20.70B	16.30A	----	20.60-	80	.299	----	1	1	UNCH	172.30B	13.10A	
1630	----	----	9.60A	----	12.10-	80	.205	----	1	4	UNCH	147.00B	7.70A	
1640	----	----	8.00A	----	10.00-	80	.178	----	1	1	UNCH	138.90B	6.40A	
1650	----	----	6.60A	----	8.20-	80	.152	----	98	98	UNCH	131.00B	5.30A	
1655	----	----	6.00A	----	7.40-	70	.141	----	88	88	UNCH	98.00B	4.85A	
1660	----	----	5.50A	----	6.70-	70	.130	----	334	334	UNCH	123.10B	4.40A	
1665	----	----	4.95A	----	6.00-	70	.119	----	26	26	UNCH	90.60B	4.00A	
1670	----	----	4.45A	----	5.40-	70	.109	----	52	52	UNCH	115.40B	3.65A	
1680	----	----	3.65A	----	4.35-	60	.092	----	15	15	UNCH	107.90B	3.00A	
1685	----	----	3.35A	----	3.90-	55	.084	----	20	20	UNCH	76.20B	2.70A	
1690	----	----	3.00A	----	3.50-	50	.076	----	40	40	UNCH	100.60B	2.45A	
1695	----	----	2.70A	----	3.15-	45	.070	----	43	43	UNCH	69.90B	2.25A	
1700	----	----	2.45A	----	2.80-	45	.063	----	90	90	UNCH	93.40B	2.00A	
1705	----	----	2.25A	----	2.50-	45	.057	----	29	29	UNCH	63.30B	1.85A	
1710	----	----	2.00A	----	2.25-	40	.052	----	341	341	UNCH	86.20B	1.65A	
1750	----	----	1.00A	----	1.00-	20	.025	----	2	2	UNCH	60.70B	.85A	
1780	----	----	.65A	----	.60-	10	.015	----	216	216	UNCH	44.20B	.60A	
1790	----	----	*.55A	----	.50-	10	.013	----	1	1	UNCH	39.30B	.55A	
1795	----	----	----	----	.50-	5	.013	----	50	50	UNCH	18.60B	.60A	
1800	----	----	----	----	.45-	5	.011	----	7	7	UNCH	34.60B	.60A	
1805	----	----	----	----	.40-	10	.010	----	69	69	UNCH	15.50B	.55A	
1810	----	----	----	----	.40-	5	.010	----	151	151	UNCH	30.40B	.55A	
1825	----	----	----	----	.35-	5	.009	----	252	252	UNCH	24.60B	.45A	
1830	----	----	----	----	.30-	10	.007	----	186	186	UNCH	22.90B	.45A	
1840	----	----	----	----	.30-	5	.007	----	1	1	UNCH	19.70B	.40A	
1920	----	----	----	----	.15-	5	.003	----	1	1	UNCH	4.80B	.55A	
TOTAL									4	2412				
FEB19	RTM EOM	(FUTURES SETT. .00)												
1525	----	65.90B	56.60A	----	66.30+	60	.549	----	5	5	UNCH	103.00B	44.40A	
1600	----	----	23.80A	----	29.00-	10	.337	----	1	1	UNCH	54.10B	19.50A	
1625	----	----	16.70A	----	20.50-	20	.267	----	4	4	UNCH	40.90B	13.60A	
1670	----	----	8.20A	----	9.90-	30	.157	----	1	1	UNCH	22.40B	6.70A	
1675	----	----	7.50A	----	9.10-	30	.147	----	12	12	UNCH	20.80B	6.20A	
1685	----	----	6.40A	----	7.60-	30	.128	----	29	29	UNCH	17.80B	5.30A	
1700	----	----	4.95A	----	5.80-	30	.103	----	1	1	UNCH	13.80B	4.20A	
1710	----	----	4.20A	----	4.80-	30	.088	----	1	1	UNCH	11.60B	3.60A	
1800	----	----	----	----	1.00-	5	.022	----	1	1	UNCH	1.45B	1.25A	
TOTAL									0	55				
RTD OPT	RTD OPT	(FUTURES SETT. 6895.25 - 2025.0)												
1375	----	160.00B	144.40A	----	161.40+	250	.915	----	1	1	UNCH	374.50B	113.90A	
1425	----	115.10B	100.10A	----	116.30+	170	.844	----	3	3	UNCH	326.00B	79.00A	
1450	----	95.10B	80.50A	----	95.10+	110	.790	----	16	16	UNCH	301.60B	63.60A	
1460	----	86.90B	73.00A	----	87.00+	90	.764	----	5	5	UNCH	292.00B	58.00A	
1475	----	75.30B	62.30A	----	75.30+	60	.722	----	33	33	UNCH	278.00B	49.40A	
1490	----	64.40B	52.10A	----	64.20+	30	.673	----	14	14	UNCH	263.80B	42.10A	
1500	48.20	57.40B	45.90A	----	57.20+	10	.638	----	3	103 -	1	254.00B	37.60A	
1505	48.00	54.00B	43.00A	----	53.80	UNCH	.619	----	2	2	UNCH	249.30B	35.40A	
1510	----	50.90B	40.10A	----	50.50-	10	.600	----	44	44	UNCH	244.70B	32.90A	
1515	41.00	47.70B	37.40A	----	47.30-	20	.580	----	8	22 +	1	240.00B	30.50A	
1520	----	44.60B	34.70A	----	44.20-	30	.560	----	42	42	UNCH	236.00B	28.20A	
1525	37.20	41.60B	32.20A	----	41.20-	40	.539	----	1	91	UNCH	231.10B	26.10A	
1530	----	----	29.70A	----	38.30-	50	.518	----	45	45	UNCH	226.70B	23.90A	
1535	----	----	27.40A	----	35.50-	60	.496	----	7	7	UNCH	222.10B	22.00A	
1540	30.10	33.10B	25.10A	----	32.80-	70	.474	----	4	151	UNCH	217.50B	20.10A	
1545	24.00	30.50B	23.00A	----	30.20-	80	.452	----	2	85 +	2	212.90B	18.40A	
1550	21.00	28.00B	21.00	----	27.70-	90	.429	----	4	51	UNCH	208.00B	16.70A	
1555	----	----	19.10A	----	25.40-	90	.406	----	7	7	UNCH	203.50B	15.20A	
1560	19.50	23.40B	17.40A	----	23.20-	100	.384	----	2	50	UNCH	198.80B	13.80A	
1565	16.50	21.30B	15.80A	----	21.10-	100	.361	----	1	6 +	1	194.20B	12.50A	
1570	16.30	19.30B	14.20A	----	19.10-	110	.338	----	1	69	UNCH	190.00B	11.30A	
1575	----	----	12.80A	----	17.20-	120	.315	----	17	17	UNCH	185.30B	10.10A	
1580	----	----	11.50A	----	15.50-	120	.293	----	35	35	UNCH	181.10B	9.10A	
1585	----	----	10.30A	----	13.90-	120	.272	----	48	48	UNCH	176.50B	8.10A	
1590	----	----	9.20A	----	12.40-	120	.251	----	2	37 +	2	172.00B	7.30A	
1595	10.90	11.20B	8.20A	----	11.00-	120	.230	----	13	297 +	11	167.90B	6.50A	
1600	9.50	10.30B	7.30A	----	9.70-	130	.210	----	3	107 -	1	163.50B	5.80A	
1605	----	----	6.40A	----	8.60-	120	.192	----	3	3	UNCH	159.20B	5.20A	
1610	6.70	7.80B	5.70A	----	7.60-	110	.174	----	1	177 +	1	154.50B	4.60A	
1615	----	----	5.00A	----	6.60-	120	.157	----	39	39	UNCH	150.60B	4.10A	
1620	6.00	6.50B	4.45A	----	5.80-	110	.141	----	14	91 +	3	146.40B	3.65A	
1625	----	----	3.90A	----	5.10-	100	.127	----	157	157	UNCH	141.70B	3.25A	
1630	----	----	3.45A	----	4.40-	100	.113	----	1	73 +	1	137.50B	2.90A	
1635	3.40	4.00B	3.00A	----	3.85-	85	.101	----	5	23 -	4	133.70B	2.55A	
1640	----	----	2.65A	----	3.30-	85	.089	----	56	56	UNCH	129.60B	2.25A	
1645	----	----	2.35A	----	2.90-	75	.080	----	6	6	UNCH	125.30B	2.00A	
1650	2.65	2.95B	2.05A	----	2.50-	70	.070	----	5	44 -	1	121.30B	1.80A	
1655	----	----	1.80A	----	2.15-	65	.062	----	1	175	UNCH	117.40B	1.60A	
1660	----	----	1.60A	----	1.85-	60	.054	----	36	36	UNCH	113.30B	1.40A	
1665	----	----	1.40A	----	1.65-	50	.049	----	3	3	UNCH	109.40B	1.25A	
1670	1.40	1.40	1.25A	----	1.40-	45	.042	----	10	81 +	10	105.30B	1.10A	
1675	----	----	1.15A	----	1.25-	40	.038	----	109	109	UNCH	101.70B	1.00	
1680	----	----	1.00A	----	1.10-	35	.034	----	52	52	UNCH	97.60B	.85A	
1685	----	----	.90A	----	.95-	30	.029	----	50	50	UNCH	93.90B	.85A	
1690	----	----	.80A	----	.85-	25	.026	----	95	95	UNCH	90.50B	.75A	
1695	----	----	.75A	----	.75-	25	.023	----	136	136	UNCH	86.60B	.70A	
1700	----	----	.65A	----	.65-	20	.021	----	183	183	UNCH	83.00B	.65A	
1705	----	----	.60A	----	.60-	20	.019	----	7	7	UNCH	79.60B	.60A	
1710	----	----	.55A	----	.55-	15	.017	----	6	6	UNCH	76.10B	.55A	
1715	----	----	.50A	----	.50-	10	.016	----	85	85	UNCH	72.50B	.50A	
1720	----	----	.45A	----	.45-	10	.014	----	133	133	UNCH	69.60B	.45A	
1725	----	----	.45A	----	.40-	10	.012	----	90	90	UNCH	66.30B	.40A	
1730	----	----	.40A	----	.35-	10	.011	----	66	66	UNCH	63.10B	.40A	
1735	----	----	----	----	.35-	5	.011	----	2	2	UNCH	60.20B	.35A	
1740	----	----	*.35A	----	.30-	10	.009	----	80	80	UNCH	57.60B	.35A	



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PRELIMINARY

Table with columns: PG40, BULLETIN #223@, NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS, Fri, Nov 16, 2018, PG40. Contains multiple rows of market data including prices, volumes, and option details.

ADDITIONAL NASDAQ CALLS

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



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PG40 BULLETIN #223@ NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS Fri, Nov 16, 2018 PG40

Table with columns: MINI NSDQ EOM C, DEC18, 6600, 6720, 6760, 6800, 6810, 6830, 6840, 6950, 6970, 7000, 7010, 7020, 7050, 7100, 7120, 7150, 7160, 7180, 7200, 7230, 7240, 7250, 7270, 7300, 7330, 7350, 7360, 7370, 7380, 7390, 7400, 7440, 7450, 7500, 7530, 7550, 7560, 7570, 7600, 7650, 7700, 7730, 7740, 7750, 7770, 7800, 7810, 7830, 7850, 7900, 7930, 7960, 7980, 7990, 8000, 8050, 8080, 8200, 8300, 8390, TOTAL, JAN19, 6800, 6820, 6900, 6910, 7000, 7100, 7150, 7170, 7200, 7240, 7250, 7300, 7350, 7400, 7450, 7500, 7600, 7690, 8010, 8030, 8040, 8050, 8060, 8070, 8080, 8090, 8100, 8110, 8120, 8130, 8140, 8160, 8180, 8190, 8200, 8210, 8220, 8230, TOTAL, FEB19, 7100, 7200, 7500, TOTAL. Columns include bid/ask prices, volume, and open interest.

E-MINI NASDAQ 100 WEEKLY-1 PUTS

Table with columns: STRIKE, OPEN RANGE, HIGH, LOW, CLOSING RANGE, SETT.PRICE & PT.CHG., DELTA, EXER CISES, VOLUME TRADES CLEARED, OPEN INTEREST, --CONTRACT-- HIGH, LOW. Columns include strike prices, ranges, settlement prices, deltas, volumes, and contract counts.

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Table with columns: PG40, BULLETIN #223@, NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS, Fri, Nov 16, 2018, PG40. Contains multiple rows of market data including strike prices, bid/ask, volume, and open interest.

E-MINI NASDAQ 100 WEEKLY-2 PUTS

Table with columns: STRIKE, OPEN, RANGE, HIGH, LOW, CLOSING, RANGE, SETT. PRICE & PT. CHGE., DELTA, EXER CISES, VOLUME TRADES CLEARED, OPEN INTEREST, --CONTRACT-- HIGH, LOW. Contains weekly put data for E-MINI NASDAQ 100.

E-MINI NASDAQ 100 WEEKLY-4 PUTS

Table with columns: STRIKE, OPEN, RANGE, HIGH, LOW, CLOSING, RANGE, SETT. PRICE & PT. CHGE., DELTA, EXER CISES, VOLUME TRADES CLEARED, OPEN INTEREST, --CONTRACT-- HIGH, LOW. Contains weekly put data for E-MINI NASDAQ 100 with 4-week intervals.

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PG40	BULLETIN #223@	NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS								Fri, Nov 16, 2018				PG40
6530	----	22.50B	*8.00A	----	7.50-	450	.054	----	4	24 +	4	205.75B	8.00A	
6550	18.75	25.25B	*9.00A	----	8.50-	500	.062	----	11	39 +	7	213.75B	9.00A	
6560	----	26.75B	*9.50A	----	9.00-	525	.066	----	2	2	UNCH	218.00B	9.50A	
6570	----	28.00B	*10.00A	----	9.50-	550	.070	----	1	1 +	1	222.00B	10.00A	
6580	18.50	29.50B	*10.75A	----	10.25-	550	.075	----	2	20	UNCH	226.25B	10.75A	
6590	----	31.25B	11.50A	----	11.00-	575	.081	----	15	15	UNCH	230.50B	11.50A	
6600	30.00	33.50	*9.50	----	11.75-	600	.087	----	214	613 +	205	234.75B	9.50A	
6620	----	36.50B	13.75A	----	13.25-	650	.098	----	20	20	UNCH	243.50B	12.75A	
6630	----	38.25B	14.75A	----	14.25-	650	.106	----	1	1	UNCH	248.00B	13.00A	
6640	26.50	40.50B	15.75A	----	15.00-	700	.112	----	1	4 +	1	252.75B	13.50A	
6650	22.50	42.50B	16.00A	----	16.25-	700	.121	----	8	14 +	6	257.25B	13.75A	
6660	35.00	45.00B	17.75A	----	17.25-	725	.128	----	7	7 +	6	262.00B	14.50A	
6670	----	47.50B	19.00A	----	18.50-	750	.137	----	22	22	UNCH	266.75B	15.00A	
6680	----	49.50B	20.25A	----	19.75-	775	.147	----	8	8	UNCH	271.75B	15.50A	
6690	----	52.25B	21.50A	----	21.00-	800	.156	----	2	2	UNCH	276.50B	16.00A	
6700	49.75	57.25	21.00	----	22.50-	800	.167	----	41	61 +	27	281.50B	16.50A	
6710	----	58.00B	24.50A	----	24.00-	825	.177	----	4	4	UNCH	286.75B	17.00A	
6720	----	61.00B	26.00A	----	25.50-	850	.189	----	1	34	UNCH	291.75B	17.75A	
6730	----	64.00B	27.75A	----	27.25-	875	.201	----	2	2	UNCH	297.00B	18.25A	
6740	30.25	67.50B	29.50A	----	29.25-	850	.214	----	1	4 -	1	302.25B	19.00A	
6750	40.00	70.75B	31.50A	----	31.00-	875	.227	----	14	23 +	8	307.50B	19.75A	
6760	69.50	74.25B	33.25A	----	33.25-	875	.241	----	3	13 +	3	312.75B	20.25A	
6770	----	78.75B	35.50A	----	35.25-	900	.256	----	4	8 +	2	318.25B	21.00A	
6780	40.50	82.50B	37.75A	----	37.75-	875	.272	----	5	5	UNCH	323.75B	21.75A	
6790	60.00	86.50B	40.00A	----	40.00-	900	.287	----	1	24	UNCH	329.25B	22.75A	
6800	78.00	90.50B	41.00A	----	42.75-	875	.304	----	64	78 +	47	334.75B	23.50A	
6810	65.50	93.50B	44.00	----	45.25-	900	.321	----	79	78 +	34	340.50B	24.50A	
6820	63.50	97.75B	44.50	----	48.25-	875	.339	----	7	43 +	6	346.25B	25.25A	
6830	98.75	102.25B	51.00	----	51.25-	875	.358	----	4	8 +	3	352.25B	26.25A	
6840	85.00	110.00	54.00A	----	54.50-	850	.377	----	27	13 +	8	358.25B	27.25A	
6850	92.50	112.00B	57.25A	----	57.75-	825	.397	----	20	24 +	10	364.50B	28.25A	
6860	79.25	117.00B	60.75A	----	61.25-	825	.418	----	5	9 +	1	370.75B	29.50A	
6870	----	122.25B	64.00A	----	65.00-	800	.439	----	8	8	UNCH	377.25B	30.50A	
6880	103.50	127.50B	67.75A	----	68.75-	775	.460	----	1	6 -	1	383.00B	31.75A	
6890	77.00	133.00B	71.75A	----	73.00-	725	.483	----	2	7 -	1	389.25B	33.00A	
6900	92.75	138.50B	75.00	----	77.25-	700	.505	----	26	102 +	12	395.75B	34.25A	
6910	----	144.50B	80.00A	----	81.75-	675	.528	----	13	13	UNCH	402.50B	35.75A	
6920	----	150.50B	84.50A	----	86.25-	650	.552	----	21	21	UNCH	409.00B	37.00A	
6930	98.00	156.75B	89.00A	----	91.25-	600	.576	----	1	14 +	1	415.75B	38.50A	
6940	----	163.25B	94.00A	----	96.50-	550	.599	----	2	2	UNCH	422.75B	40.00A	
6950	136.00	170.00B	99.00A	----	101.75-	500	.624	----	15	51 +	11	429.50B	41.75A	
6960	----	176.75B	104.25A	----	107.50-	425	.648	----	6	6	UNCH	436.50B	43.25A	
6970	----	184.00B	110.25A	----	113.50-	375	.671	----	6	6	UNCH	443.75B	45.00A	
6980	----	191.25B	116.25A	----	119.75-	300	.694	----	6	6	UNCH	450.75B	46.75A	
6990	----	198.75B	122.50A	----	126.25-	200	.717	----	49	49	UNCH	458.00B	48.50A	
7000	----	202.00B	129.00A	----	133.00-	125	.740	----	1	56 +	1	465.50B	50.50A	
7010	----	209.25B	135.75A	----	140.00-	50	.761	----	5	5	UNCH	473.00B	52.50A	
7020	140.50	217.25B	140.50	----	147.25+	50	.782	----	1	5	UNCH	480.50B	54.50A	
7030	----	224.75B	150.00A	----	154.75+	150	.801	----	7	7	UNCH	483.00B	56.50A	
7050	----	243.50B	165.25A	----	170.50+	350	.836	----	62	62	UNCH	501.00B	61.00A	
7060	----	250.50B	----	----	178.75+	475	.853	----	11	11	UNCH	508.25B	63.25A	
7070	----	259.25B	----	----	187.25+	575	.867	----	2	2	UNCH	516.25B	65.75A	
7080	----	269.50B	----	----	195.75+	675	.879	----	2	2	UNCH	525.00B	68.25A	
7090	----	278.75B	----	----	204.50+	775	.891	----	7	7	UNCH	532.50B	70.75A	
7100	267.00	287.75B	212.50A	----	213.50+	900	.904	----	3	62 +	3	540.75B	73.50A	
7110	----	297.00B	----	----	222.50+	975	.914	----	7	7	UNCH	549.00B	76.25A	
7120	----	306.50B	----	----	231.75+	1100	.922	----	16	16	UNCH	557.50B	79.25A	
7130	----	316.00B	----	----	241.00+	1175	.930	----	20	20	UNCH	565.75B	82.25A	
7150	----	335.00B	----	----	259.50+	1300	.944	----	1	1	UNCH	582.00B	88.50A	
7160	----	343.25B	----	----	269.00+	1375	.950	----	3	3	UNCH	591.50B	92.00A	
7190	----	372.25B	----	----	297.75+	1550	.964	----	5	5	UNCH	617.25B	102.50A	
7200	----	381.75B	----	----	307.50+	1600	.967	----	7	7	UNCH	626.75B	106.25A	
7210	----	393.00B	----	----	317.25+	1650	.971	----	5	5	UNCH	636.25B	110.25A	
7220	----	401.25B	----	----	327.00+	1700	.974	----	1	1	UNCH	644.50B	114.25A	
7270	----	450.50B	----	----	376.00+	1825	.984	----	1	1	UNCH	690.25B	136.50A	
7300	----	480.25B	----	----	405.75+	1875	.988	----	1	1	UNCH	718.00B	151.50A	
7310	----	490.00B	----	----	415.50+	1875	.990	----	1	1	UNCH	727.00B	157.00A	
7340	----	519.75B	----	----	445.25+	1900	.992	----	2	2	UNCH	755.00B	174.75A	
7430	----	575.25B	----	----	534.75+	1975	.996	----	1	1	UNCH	841.25B	221.25A	
9910	----	3.00067 ;	----	----	3.013.50+	2050	1.000	----	1	1	UNCH	3.214.75E 2.738.2!		
9920	----	3.00077 ;	----	----	3.023.50+	2050	1.000	----	5	5	UNCH	3.224.75E 2.748.2!		
9930	----	3.00087 ;	----	----	3.033.50+	2050	1.000	----	1	1	UNCH	3.234.75E 2.758.2!		
9940	----	3.00097 ;	----	----	3.043.50+	2050	1.000	----	6	6	UNCH	3.244.75E 2.734.5!		
TOTAL									682	2640 +	500			
DEC18	Q4 PUT				4.75-	100	.013	----	----	100	UNCH	8.75B	7.50A	
5200	----	14.25B	*11.75A	----	10.50-	225	.030	----	----	184	UNCH	22.00B	11.75A	
5700	----	18.75B	*14.25A	----	12.75-	300	.036	----	----	200	UNCH	27.25B	14.25A	
6100	----	48.50B	*33.00A	----	32.25-	525	.092	----	----	1	UNCH	66.00B	33.00A	
6400	76.00	94.75B	*65.50A	----	66.25+	NEW	.180	----	25	25 +	25	122.75B	65.50A	
6560	----	132.00B	*94.00A	----	95.25-	725	.250	----	10	10	UNCH	167.25B	94.00A	
6680	----	167.00B	*123.00A	----	123.75-	725	.315	----	2	2	UNCH	209.00B	123.00A	
6800	----	209.25B	*158.50A	----	159.50-	675	.391	----	2	2	UNCH	259.50B	158.50A	
6900	----	251.00B	194.25A	----	196.00-	600	.464	----	1	1	UNCH	309.00B	194.00A	
TOTAL									25	525 +	25			
DEC18														
4350	----	----	----	----	.50-	15	.001	----	----	50	UNCH	56.50B	1.15A	
4360	----	----	----	----	.50-	15	.001	----	----	3	UNCH	57.50B	1.15A	
4370	----	----	----	----	.50-	20	.001	----	----	1	UNCH	58.25B	1.15A	
4400	----	----	----	----	.55-	20	.001	----	----	4	UNCH	60.50B	1.20A	
4440	----	----	----	----	.60-	25	.001	----	----	3	UNCH	68.00B	1.25A	
4450	----	----	----	----	.60-	25	.001	----	----	30	UNCH	69.00B	1.30A	
4500	----	----	----	----	.65-	35	.001	----	----	18	UNCH	73.50B	1.25	
4510	1.00	1.00	*1.00	----	.65-	35	.001	----	9	11 +	9	125.00	1.00	
4600	----	----	----	----	.80-	45	.002	----	----	198	UNCH	117.50B	1.55A	
4610	----	----	*1.25A	----	.85-	45	.002	----	----	20	UNCH	119.00B	1.25A	
4700	----	----	*1.50A	----	1.05-	50	.002	----	----	26	UNCH	130.00B	1.50A	
4750	----	----	*1.70A	----	1.20-	55	.003	----	----	100	UNCH	136.75B	1.70A	
4800	----	1.95B	*1.85A	----	1.40-	50	.003	----	----	110	UNCH	143.50B	1.85A	
4850	----	2.20B	*2.05A	----	1.55-	55	.004	----	----	5	UNCH	150.50B	2.05A	
4900	----	2.50B	*2.25A	----	1.80-	55	.005	----	----	52	UNCH	158.00B	2.25A	
4950	----	2.85B	*											



PRELIMINARY

PG40 BULLETIN #223@ NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS Fri, Nov 16, 2018 PG40

Table with columns for price, bid, ask, volume, and other market data for various NASDAQ 100 and E-MINI NASDAQ 100 options.



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Table with columns: PG40, BULLETIN #223@, NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS, Fri, Nov 16, 2018, PG40. Contains multiple columns of numerical data representing market options.

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PG40	BULLETIN #223@	NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS										Fri, Nov 16, 2018		PG40
6550	----	253.75B	213.50A	----	215.50-	300	.317	----	----	7	UNCH	616.75B	83.75A	
6560	----	257.00B	216.25A	----	218.25-	300	.321	----	----	5	UNCH	621.50B	84.75A	
6570	----	260.25B	218.75A	----	221.00-	300	.325	----	----	22	UNCH	626.50B	85.75A	
6600	254.75	270.00B	227.75A	----	229.50-	300	.336	----	35	46 +	28	640.75B	88.75A	
6640	----	283.25B	239.00A	----	241.25-	300	.351	----	10	UNCH	660.50B	93.00A		
6650	282.00	286.75B	242.25A	----	244.25-	300	.355	----	1	----	1	665.50B	94.25A	
6700	----	304.50B	258.50A	----	260.00-	300	.375	----	30	57 +	30	691.75B	99.50A	
6730	----	315.75B	268.50A	----	269.75-	325	.387	----	69	UNCH	709.50B	103.50A		
6750	----	323.25B	275.25A	----	276.50-	300	.396	----	7	UNCH	727.25B	105.75A		
6760	----	327.00B	278.75A	----	280.00-	300	.400	----	6	UNCH	732.75B	107.00A		
6780	----	334.50B	285.75A	----	287.00-	300	.409	----	3	UNCH	733.50B	109.75A		
6790	331.25	338.75B	289.50A	----	290.50-	300	.413	----	5	7 +	5	739.00B	111.00A	
6800	340.50	342.75B	293.00A	----	294.25-	275	.417	----	3	30 +	1	744.50B	111.50	
6820	----	351.00B	300.25A	----	301.50-	275	.426	----	11	UNCH	755.75B	115.00A		
6830	----	355.25B	304.00A	----	305.25-	275	.431	----	9	UNCH	761.25B	116.25A		
6840	351.25	359.00B	307.75A	----	309.00+	NEW	.435	----	5	5 +	5	767.00B	117.50A	
6850	----	363.25B	311.75A	----	312.75-	275	.440	----	20	UNCH	772.50B	119.00A		
6860	340.00	367.50B	315.25A	----	316.50-	275	.444	----	1	2 +	1	778.25B	120.50A	
6880	----	376.00B	323.25A	----	332.50-	250	.453	----	3	UNCH	789.75B	123.25A		
6900	----	384.75B	331.25A	----	332.50-	250	.463	----	34	UNCH	804.75B	126.25A		
6910	----	389.00B	335.25A	----	336.50-	250	.467	----	3	UNCH	810.75B	127.75A		
6930	----	398.00B	343.50A	----	344.75-	250	.477	----	6	UNCH	822.50B	130.75A		
6950	----	407.25B	351.75A	----	353.25-	225	.486	----	2321	UNCH	841.25B	133.75A		
6960	----	421.50B	364.75A	----	366.50-	175	.501	----	1	UNCH	849.25B	138.50A		
6990	----	426.25B	369.00A	----	370.75-	175	.506	----	1	UNCH	855.50B	140.25A		
7000	----	430.75B	373.50A	----	375.25-	175	.510	----	357	UNCH	861.50B	140.00		
7010	----	435.75B	378.00A	----	380.00-	150	.515	----	1	UNCH	867.75B	143.50A		
7030	----	445.75B	387.00A	----	389.25-	125	.525	----	2	UNCH	880.25B	147.00A		
7040	----	450.75B	391.75A	----	394.00-	100	.530	----	25	UNCH	886.50B	148.75A		
7060	----	461.00B	401.25A	----	403.50-	100	.540	----	2	UNCH	902.75B	152.25A		
7080	----	471.25B	410.75A	----	413.25-	75	.550	----	12	UNCH	912.00B	155.75A		
7090	----	476.75B	415.50A	----	418.25-	50	.555	----	15	UNCH	922.00B	157.75A		
7100	463.50	482.00B	420.50A	----	423.25-	25	.560	----	20	UNCH	928.50B	159.50A		
7130	----	498.50B	435.50A	----	438.50	UNCH	.576	----	16	UNCH	948.25B	165.25A		
7140	----	503.50B	440.75A	----	443.75+	25	.581	----	33	UNCH	954.75B	167.25A		
7150	----	509.00B	446.00A	----	449.00+	25	.586	----	15	UNCH	961.50B	169.25A		
7160	----	515.25B	451.25A	----	454.25+	25	.591	----	68	UNCH	968.25B	171.25A		
7170	----	520.50B	456.50A	----	459.75+	75	.596	----	3	UNCH	975.00B	173.25A		
7180	----	526.50B	461.75A	----	465.25+	75	.601	----	3	UNCH	981.75B	175.25A		
7200	525.50	537.75B	472.50A	----	476.25+	125	.611	----	10 +	1	995.25B	179.50A		
7210	----	543.75B	478.25A	----	481.75+	125	.617	----	1	UNCH	1.002.25B	181.50A		
7220	----	549.50B	483.75A	----	487.50+	150	.622	----	144	UNCH	1.009.25B	183.75A		
7240	----	562.00B	495.00A	----	498.75+	175	.632	----	4	UNCH	1.023.00B	188.00A		
7250	568.75	568.75B	500.50A	----	504.50+	175	.637	----	2	17 -	1	1.030.00B	190.25A	
7270	----	580.25B	512.25A	----	516.25+	200	.647	----	1	UNCH	1.044.00B	194.75A		
7280	----	586.50B	518.50A	----	522.25+	225	.653	----	1	UNCH	1.051.25B	197.00A		
7290	----	592.75B	524.00A	----	528.25+	250	.658	----	28	UNCH	1.058.25B	199.50A		
7300	----	599.50B	530.50A	----	534.50+	275	.663	----	47	UNCH	1.065.50B	201.00		
7310	----	605.75B	536.50A	----	540.50+	275	.668	----	1	UNCH	1.072.50B	204.25A		
7330	----	618.50B	549.00A	----	553.00+	325	.678	----	2	UNCH	1.087.00B	209.00A		
7340	----	625.25B	555.25A	----	559.25+	350	.683	----	3	UNCH	1.094.25B	211.50A		
7350	----	632.00B	561.50A	----	565.50+	350	.689	----	5	UNCH	1.101.50B	214.00A		
7360	----	638.75B	567.75A	----	572.00+	375	.694	----	6	UNCH	1.108.75B	216.50A		
7380	----	652.50B	----	----	585.00+	425	.704	----	35	UNCH	1.123.50B	221.75A		
7390	----	659.25B	----	----	591.50+	425	.709	----	1	UNCH	1.131.00B	224.25A		
7400	----	666.00B	----	----	598.25+	450	.714	----	7	UNCH	1.138.50B	227.00A		
7410	----	673.00B	----	----	604.75+	450	.719	----	73	UNCH	1.146.00B	229.75A		
7430	----	687.25B	----	----	618.25+	500	.729	----	1	UNCH	1.161.00B	235.00A		
7460	----	708.75B	----	----	639.00+	550	.743	----	25	UNCH	1.183.75B	243.50A		
7500	----	735.50B	----	----	667.50+	625	.762	----	2	UNCH	1.214.50B	255.25A		
7510	----	743.00B	----	----	674.75+	650	.767	----	1	UNCH	1.222.25B	258.25A		
7530	----	758.00B	----	----	689.50+	700	.776	----	11	UNCH	1.238.00B	264.50A		
7540	----	765.75B	----	----	696.75+	700	.781	----	2	UNCH	1.245.75B	267.50A		
7550	----	773.50B	----	----	704.25+	725	.785	----	12	UNCH	1.253.75B	270.75A		
7590	----	804.00B	----	----	734.75+	825	.803	----	22	UNCH	1.285.50B	283.75A		
7600	----	812.25B	----	----	742.50+	850	.807	----	5	UNCH	1.293.50B	287.00A		
7610	----	818.00B	----	----	750.25+	875	.811	----	5	UNCH	1.301.50B	290.50A		
7630	----	834.25B	----	----	766.00+	900	.820	----	1	UNCH	1.317.75B	297.25A		
7650	----	850.50B	----	----	798.00+	975	.836	----	19	UNCH	1.334.00B	304.50A		
7670	----	867.00B	----	----	814.50+	1050	.843	----	18	UNCH	1.350.50B	311.50A		
7690	----	883.75B	----	----	978.25+	1400	.904	----	5	UNCH	1.367.00B	319.00A		
7880	----	1.00049.5	----	----	1.088.00+	1550	.932	----	2	UNCH	1.528.50B	398.00A		
8000	----	1.00160.0	----	----	----	----	----	----	2	UNCH	1.635.00B	457.25A		
TOTAL									183	5126 +	163			
TUM19	----	57.25B	----	----	51.50-	200	.061	----	----	7	UNCH	92.50B	32.00	
4900	----	62.50B	----	----	55.75-	225	.066	----	53	UNCH	100.00B	30.00		
5000	----	64.75B	----	----	58.00-	225	.069	----	61	UNCH	103.25B	31.00		
5030	----	67.00B	----	----	60.00-	225	.071	----	14	UNCH	106.75B	32.00		
5070	----	70.50B	65.00A	----	62.75-	250	.074	----	25	UNCH	111.50B	36.50A		
5150	----	77.50B	71.25A	----	69.00-	275	.082	----	2	UNCH	121.25B	37.75A		
5250	----	87.25B	79.75A	----	77.50-	275	.091	----	6	UNCH	134.75B	41.00		
5280	----	90.25B	82.25A	----	80.25-	300	.095	----	3	UNCH	139.00B	42.75A		
5350	----	98.00B	89.00A	----	87.00-	300	.102	----	3	UNCH	149.50B	45.25		
5500	----	116.25B	105.00A	----	103.25-	300	.121	----	3	UNCH	174.00B	52.50		
5600	----	130.00B	117.00A	----	115.25-	325	.134	----	1	UNCH	192.25B	58.50A		
5640	----	136.00B	122.25A	----	120.50-	325	.140	----	40	UNCH	200.00B	61.00A		
5700	----	145.25B	130.50A	----	128.75-	325	.149	----	1	UNCH	212.00B	64.50A		
5730	----	150.25B	134.75A	----	133.25-	300	.154	----	6	UNCH	218.25B	66.50A		
5930	----	186.25B	166.50A	----	165.50-	300	.189	----	1	UNCH	264.00B	80.75A		
6000	----	200.50B	179.00A											



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PG40	BULLETIN #223@	NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS										Fri, Nov 16, 2018		PG40
6070	----	267.50B	250.00A	----	248.25-	250	.233	----	----	24	UNCH	352.00B	133.50A	
6100	----	274.75B	256.75A	----	255.00-	250	.239	----	----	1	UNCH	360.75B	137.00A	
6160	----	289.75B	270.75A	----	269.00-	225	.251	----	----	24	UNCH	379.25B	144.00A	
6300	----	327.25B	305.75A	----	304.00-	200	.281	----	2	21 +	2	423.75B	162.00A	
7000	----	581.00B	544.75A	----	548.75+	25	.465	----	----	2	UNCH	722.00B	287.50A	
7200	----	673.75B	636.25A	----	644.75+	125	.525	----	----	2	UNCH	832.75B	337.25A	
7610	----	904.25B	----	----	870.75+	400	.656	----	----	2	UNCH	1.095.00B	464.00A	
TOTAL										4	118 +	4		
NOV18														
1050	----	----	----	----	.05-	5	.000	----	----	50	UNCH	1.25B	.15A	
1075	----	----	----	----	.10	UNCH	.001	----	----	165	UNCH	1.45B	.15A	
1100	----	----	----	----	.10-	5	.001	----	----	284	UNCH	1.70B	.15A	
1125	----	----	----	----	.05	UNCH	----	----	----	120	UNCH	.10B	.10	
1130	----	----	----	----	.10-	5	.001	----	----	77	UNCH	2.10B	.15A	
1140	----	----	----	----	.05	UNCH	.000	----	----	60	UNCH	.10B	.10	
1140	----	----	----	----	.10-	5	.001	----	----	38	UNCH	2.30B	.20A	
1150	----	----	----	----	.05	UNCH	.000	----	----	122	UNCH	.15B	.10	
1170	----	----	----	----	.05	UNCH	.000	----	----	60	UNCH	.10	.10	
1190	----	----	*.20A	----	.15-	10	.002	----	----	100	UNCH	3.55B	.20A	
1210	----	----	*.25A	----	.20-	10	.003	----	----	500	UNCH	4.25B	.25A	
1220	----	----	*.25A	----	.20-	15	.003	----	----	100	UNCH	4.70B	.25A	
1225	----	----	*.25A	----	.20-	15	.003	----	----	130	UNCH	4.90B	.25A	
1230	----	----	*.30A	----	.20-	15	.003	----	----	525	UNCH	5.10B	.30A	
1240	----	----	*.30A	----	.25-	15	.004	----	----	220	UNCH	5.70B	.30A	
1270	----	----	*.15A	----	.10-	10	.001	----	----	22	UNCH	2.30B	.15A	
1280	----	----	*.40A	----	.30-	25	.006	----	----	31	UNCH	8.50B	.40A	
1300	----	.70B	*.40A	----	.35-	30	.007	----	----	10	UNCH	10.50B	.40A	
1335	----	----	*.20A	----	.15-	20	.003	----	----	4	UNCH	8.40B	.20A	
1335	----	1.15B	*.60A	----	.50-	45	.011	----	----	2	UNCH	15.10B	.60A	
1345	----	----	*.20A	----	.20-	20	.004	----	----	4	UNCH	9.50B	.20A	
1350	----	1.45B	*.70A	----	.60-	55	.014	----	----	110	UNCH	17.60B	.70A	
1350	----	.45B	*.25A	----	.20+	NEW	.004	----	1	1 +	1	10.10B	.25A	
1370	----	2.00B	*.85A	----	.80-	75	.020	----	----	1	UNCH	21.60B	.85A	
1370	----	.60B	*.25A	----	.20-	30	.005	----	----	40	UNCH	12.80B	.25A	
1375	----	.65B	*.25A	----	.20-	35	.005	----	----	30	UNCH	13.60B	.25A	
1380	----	2.40B	*1.00A	----	.90-	90	.023	----	----	31	UNCH	23.80B	1.00A	
1385	----	2.60B	*1.05A	----	1.00-	95	.026	----	----	21	UNCH	25.00B	1.05A	
1390	----	2.80B	*1.15A	----	1.10-	105	.029	----	----	2	UNCH	26.30B	1.15A	
1395	----	3.10B	*1.25A	----	1.20-	110	.031	----	----	1	UNCH	27.60B	1.25A	
1400	----	3.40B	*1.35A	----	1.30-	125	.034	----	----	70	UNCH	29.00B	1.35A	
1400	0.50	1.00B	*.35A	----	.25+	NEW	.007	----	16	16 +	16	18.30B	.35A	
1410	----	1.30B	*.35A	----	.30-	65	.009	----	----	3	UNCH	26.60B	.35A	
1410	----	4.20B	1.65A	----	1.60-	140	.043	----	----	4	UNCH	31.90B	1.65A	
1415	----	1.45B	*.40A	----	.30-	70	.010	----	----	3	UNCH	21.70B	.40A	
1415	----	4.60B	1.80A	----	1.75-	155	.047	----	----	3	UNCH	33.50B	1.75A	
1420	----	5.00B	2.00A	----	1.95-	165	.053	----	----	5	UNCH	35.10B	1.85A	
1425	----	5.50B	2.20A	----	2.20-	175	.059	----	----	8	UNCH	36.80B	1.95A	
1425	1.10	1.90B	*.45A	----	.35-	90	.012	----	35	72 +	35	24.30B	.45A	
1430	----	6.10B	2.45A	----	2.45-	190	.066	----	----	42	UNCH	38.50B	2.05A	
1435	----	6.70B	2.75A	----	2.75-	205	.074	----	----	3	UNCH	40.30B	2.20A	
1440	----	7.40B	3.05A	----	3.05-	225	.082	----	----	1	UNCH	42.20B	2.35A	
1440	----	2.85B	*.55A	----	.50-	130	.019	----	----	15	UNCH	28.70B	.55A	
1445	----	3.30B	*.65A	----	.60-	145	.023	----	----	7	UNCH	30.30B	.65A	
1445	----	8.20B	3.45A	----	3.45-	235	.093	----	----	1	UNCH	44.20B	2.50A	
1450	----	9.00B	3.85A	----	3.85-	245	.103	----	----	14	UNCH	46.20B	2.70A	
1450	2.25	3.80B	*.70A	----	.70-	165	.028	----	1	87 +	1	32.00B	.70A	
1455	----	4.30B	*.80A	----	.80-	185	.032	----	----	69	UNCH	33.80B	.80A	
1460	----	10.90B	4.80A	----	4.80-	290	.128	----	----	31	UNCH	50.50B	3.05A	
1460	1.80	5.00B	*.95A	----	.95-	210	.039	----	1	21 +	1	35.60B	.95A	
1465	----	11.90B	5.40A	----	5.40-	300	.143	----	----	6	UNCH	52.70B	3.30A	
1465	----	5.70B	*1.15A	----	1.15-	235	.048	----	----	53	UNCH	37.60B	1.15A	
1470	1.50	6.50B	*1.40A	----	1.35-	270	.057	----	2	77	UNCH	39.60B	1.40A	
1470	----	13.10B	6.10A	----	6.00-	330	.158	----	----	76	UNCH	54.90B	3.55A	
1475	----	14.30B	6.90A	----	6.70-	350	.175	----	----	55	UNCH	57.20B	3.80A	
1475	7.20	7.50B	*1.70A	----	1.65-	300	.070	----	8	28 +	4	41.70B	1.70A	
1480	6.90	8.60B	*2.10A	----	2.00-	330	.086	----	1	37 +	1	43.90B	2.10A	
1480	15.80	15.80B	7.60A	----	7.50-	370	.195	----	2	66	UNCH	59.80B	3.95A	
1485	9.00	9.90B	2.55A	----	2.45-	365	.105	----	21	32	UNCH	46.10B	2.35A	
1485	----	17.10B	8.50A	----	8.40-	390	.216	----	----	14	UNCH	62.40B	4.10A	
1490	----	18.70B	9.50A	----	9.40-	400	.238	----	----	17	UNCH	65.00B	4.25A	
1490	----	11.20B	3.15A	----	2.95-	405	.127	----	----	21	UNCH	48.50B	2.55A	
1495	----	20.40B	10.50A	----	10.50-	420	.263	----	----	40	UNCH	67.70B	4.40A	
1495	4.70	12.80B	3.90A	----	3.60-	440	.154	----	1	42 +	1	50.90B	2.80A	
1500	6.50	14.50B	4.70A	----	4.35-	485	.184	----	8	23 +	4	53.50B	3.10A	
1500	----	22.20B	11.70A	----	11.60-	450	.288	----	----	18	UNCH	70.60B	4.55A	
1505	----	24.20B	13.00A	----	12.90-	480	.316	----	----	20	UNCH	73.50B	4.75A	
1505	13.60	16.40B	5.50A	----	5.30-	520	.221	----	3	43	UNCH	56.10B	3.40A	
1510	25.30	26.30B	14.40A	----	14.40-	490	.346	----	5	32	UNCH	76.50B	4.90A	
1510	16.30	18.50B	6.60A	----	6.30-	560	.261	----	12	25 +	12	58.90B	3.75A	
1515	----	28.60B	16.00A	----	15.90-	520	.377	----	----	64	UNCH	79.60B	5.10A	
1515	9.20	20.80B	7.80A	----	7.60-	600	.308	----	1	11 +	1	61.80B	4.10A	
1520	16.00	23.30B	9.30A	----	9.10-	630	.360	----	2	22 +	1	64.80B	4.55A	
1520	----	31.00B	17.70A	----	17.70-	530	.411	----	----	21	UNCH	83.00B	5.30A	
1525	----	25.70B	11.00A	----	10.90-	650	.416	----	----	5	UNCH	67.80B	5.10A	
1525	----	33.60B	19.60A	----	19.50-	550	.445	----	----	21	UNCH	86.20B	5.50A	
1530	0.60	17.40B	*.60	----	1.50-	900	----	117	4	----	117	84.50B	.60	
1530	23.00	35.90B	21.60A	----	21.60-	560	.481	----	6	4 -	3	89.50B	5.70A	
1530	----	28.80B	12.90A	----	12.90-	670	.477	----	1	3 +	1	71.00B	5.70A	
1535	4.55	22.20B	4.55	----	6.50-	680	1.000	33	1	----	33	88.00B	3.60A	
1535	----	31.80B	15.20A	----	15.20-	690	.540	----	----	13	UNCH	74.20B	6.30A	
1535	----	38.70B	23.80A	----	23.80-	570	.519	----	----	21	UNCH	92.80B	6.00A	
1540	24.70	27.20B	12.90A	----	11.50-	500	1.000	41	2	----	40	92.00B	4.10A	
1540	----	35.30B	17.80A	----	17.90-	680	.604	----	----	10	UNCH	76.60B	7.00A	
1540	36.90	41.80B	26.20A	----	26.20-	580	.557	----	2	27	UNCH	96.40B	6.20A	
1545	----	45.00B	28.80A	----	28.80-	590	.596	----	----	10	UNCH	100.20B	6.50A	
1545	----	37.70B	21.20A	----	20.80-	690	.668	----	----	7	UNCH	80.00B	7.80A	
1550	----	48.40B	31.80A	----	31.60-	600	.634	----	----	78	UNCH	103.80B	6.80A	
1550	----	37.20B	22.90A	----	21.50-	280	1.000	81	1	----	81	99.40B	4.75A	
1550	----	41.50B	24.30A	----	24.10-	670	.728	----	7	UNCH	83.60B	8.70A		
1555	----	51.90B	34.80A	----	34.70-	590	.673	----	4	UNCH	107.60B	7.10A		
1555	----	45.70B	27.90A	----	27.60-	660	.784	----	10	UNCH	87.30B	9.70A		
1560	----	54.70B	38.00A	----	37.90-	590	.710	----	26	UNCH	111.30B	7.40A		
1565	----	58.60B	41.40A	----	41.30-	590	.745	----	2	50	UNCH	115.20B	7.70A	
1565	45.50	45.50	45.50	----	36.50-	160	1.000	24	12	----	32	109.30B	5.40A	
1565	----	54.50B	37.10A	----	35.60-	610	.877	----	12	UNCH	95.00B	12.10A		
1570	----	62.												



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PG40	BULLETIN #223@	NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS								Fri, Nov 16, 2018			PG40
1330	----	6.30B	4.20A	----	4.20-	110	.060	----	----	29	UNCH	21.70B	3.05A
1335	----	6.70B	4.40A	----	4.45-	115	.064	----	----	12	UNCH	22.50B	3.20A
1340	----	7.00B	4.70A	----	4.70-	120	.067	----	----	8	UNCH	23.50B	3.35A
1350	----	7.80B	5.20A	----	5.20-	130	.075	----	----	3	UNCH	25.40B	3.60A
1355	----	8.30B	5.60A	----	5.50-	140	.079	----	----	10	UNCH	26.40B	3.80A
1370	----	6.00B	*3.50A	----	3.45-	135	.062	----	----	3	UNCH	9.00B	3.50A
1370	----	9.70B	6.50A	----	6.50-	150	.093	----	----	1	UNCH	29.80B	4.00A
1375	----	10.30B	6.90A	----	6.90-	160	.098	----	----	13	UNCH	31.00B	4.10A
1385	----	11.50B	7.80A	----	7.70-	170	.109	----	----	5	UNCH	33.50B	4.95A
1390	----	12.00B	8.10A	----	8.20-	170	.116	----	----	1	UNCH	34.90B	4.50A
1395	----	12.70B	8.60A	----	8.60-	180	.122	----	----	1	UNCH	36.30B	5.40A
1400	----	13.50B	9.20A	----	9.10-	190	.129	----	----	12	UNCH	37.80B	4.80A
1405	----	14.20B	9.70A	----	9.70-	190	.136	----	----	1	UNCH	39.20B	6.00A
1410	----	15.00B	10.30A	----	10.20-	210	.143	----	----	9	UNCH	40.70B	5.10A
1420	----	16.70B	11.50A	----	11.50-	210	.160	----	----	2	UNCH	43.90B	5.50A
1420	----	11.80B	*7.10A	----	7.10-	210	.125	----	----	1	UNCH	17.10	7.10A
1425	----	17.70B	12.10A	----	12.20-	220	.169	----	----	1	UNCH	45.70B	5.60A
1430	----	18.60B	12.80A	----	12.90-	230	.178	----	1	UNCH	47.30B	5.80A	
1440	----	20.70B	14.40A	----	14.40-	250	.197	----	1	UNCH	51.10B	6.20A	
1445	----	21.80B	15.30A	----	15.30-	250	.208	----	5	UNCH	53.00B	8.90A	
1450	----	23.00B	16.20A	----	16.10-	270	.218	----	1	UNCH	54.90B	6.70A	
1455	----	24.30B	17.10A	----	17.10-	270	.230	----	1	UNCH	57.00B	9.80A	
1465	----	26.90B	19.10A	----	19.10-	300	.254	----	5	UNCH	61.20B	10.90A	
1470	----	22.60B	*14.50A	----	14.40-	350	.242	----	20	UNCH	31.00B	14.50A	
1470	----	28.30B	20.20A	----	20.20-	310	.267	----	1	UNCH	63.40B	7.70A	
1475	----	24.10B	*15.60A	----	15.50-	360	.258	----	20	UNCH	32.90B	15.60A	
1475	----	29.80B	21.50A	----	21.40-	310	.281	----	3	UNCH	65.80B	8.00A	
1480	----	31.40B	22.70A	----	22.60-	320	.294	----	11	UNCH	68.20B	8.30A	
1485	----	33.00B	23.90A	----	23.90-	330	.309	----	2	UNCH	70.40B	12.90A	
1495	----	36.50B	26.70A	----	26.70-	350	.339	----	1	UNCH	75.50B	14.00A	
1500	----	32.70B	*22.00A	----	22.00-	410	.348	----	20	UNCH	43.50B	22.00A	
1500	----	38.30B	28.20A	----	28.20-	360	.355	----	4	UNCH	78.30B	9.60A	
1510	----	42.30B	31.40A	----	31.40-	380	.389	----	2	UNCH	83.80B	10.30A	
1520	42.00	46.60B	34.90A	----	34.90-	400	.424	----	3	UNCH	89.30B	11.40A	
1525	----	48.80B	36.80A	----	36.80-	410	.443	----	2	UNCH	92.40B	11.70A	
1530	46.30	51.20B	38.90A	----	38.80-	420	.461	----	3	32 +	95.60B	12.20A	
1535	----	53.70B	40.90A	----	40.80-	440	.481	----	5	UNCH	98.70B	12.70A	
1540	----	56.30B	43.00A	----	43.00-	440	.500	----	39	UNCH	101.70B	13.20A	
1545	----	58.90B	45.20A	----	45.30-	450	.520	----	48	UNCH	105.10B	13.70A	
1555	----	64.30B	50.10A	----	50.10-	470	.561	----	27	UNCH	111.80B	14.90A	
1560	----	67.30B	52.60A	----	52.70-	470	.582	----	1	UNCH	115.40B	15.50A	
1565	----	70.30B	55.30A	----	55.30-	480	.602	----	4	UNCH	118.90B	16.20A	
1570	----	73.50B	58.10A	----	58.10-	490	.623	----	9	UNCH	122.40B	16.90A	
1575	----	76.80B	61.00A	----	61.00-	490	.644	----	4	UNCH	126.30B	17.60A	
1580	----	80.20B	64.00A	----	64.00-	500	.665	----	10	UNCH	130.10B	18.40A	
1585	----	83.80B	67.20A	----	67.20-	500	.685	----	111	UNCH	133.90B	19.10A	
TOTAL JAN19									8	1219 +	3		
1150	----	2.35B	1.90A	----	1.80-	40	.019	----	----	61	UNCH	7.40B	1.50A
1170	----	2.75B	2.15A	----	2.05-	45	.022	----	----	30	UNCH	8.50B	1.70A
1175	----	2.85B	2.25A	----	2.15-	45	.024	----	----	3	UNCH	8.90B	1.75A
1230	----	4.50B	3.35A	----	3.25-	65	.037	----	----	147	UNCH	13.20B	2.45A
1250	----	5.30B	3.95A	----	3.85-	75	.044	----	----	8	UNCH	15.30B	2.50A
1300	----	8.20B	6.10A	----	6.00-	110	.069	----	----	54	UNCH	21.90B	3.20A
1320	----	9.80B	7.20A	----	7.20-	120	.083	----	----	35	UNCH	25.30B	4.75A
1340	----	11.70B	8.60A	----	8.60-	140	.099	----	----	3	UNCH	29.10B	4.00A
1345	----	12.20B	9.00A	----	9.00-	150	.103	----	----	90	UNCH	30.10B	5.80A
1350	10.80	12.80B	9.40A	----	9.40-	150	.108	----	3	53 +	3	31.20B	4.20A
1360	----	14.00B	10.40A	----	10.30-	160	.117	----	----	2	UNCH	33.40B	4.40A
1365	----	14.60B	10.80A	----	10.80-	170	.123	----	----	1	UNCH	34.60B	6.90A
1375	----	15.90B	11.80A	----	11.90-	170	.135	----	1	110 +	1	37.00B	4.80A
1380	----	16.70B	12.40A	----	12.40-	180	.140	----	----	1	UNCH	38.30B	4.90A
1385	----	17.40B	12.90A	----	13.00-	180	.147	----	----	6	UNCH	39.60B	8.10A
1390	----	18.20B	13.50A	----	13.60-	190	.153	----	----	20	UNCH	41.00B	5.20A
1400	----	19.90B	14.80A	----	14.90-	200	.167	----	1	34	UNCH	43.90B	5.50A
1405	----	20.80B	15.60A	----	15.60-	210	.174	----	----	11	UNCH	45.40B	9.60A
1415	----	22.70B	17.00A	----	17.10-	220	.190	----	----	17	UNCH	48.50B	10.50A
1425	----	24.70B	18.60A	----	18.70-	230	.206	----	----	9	UNCH	52.00B	6.40A
1445	----	29.30B	22.40A	----	22.40-	260	.243	----	----	1	UNCH	59.30B	13.50A
1450	----	30.60B	23.40A	----	23.40-	270	.253	----	----	2	UNCH	61.40B	7.50A
1455	----	31.90B	24.50A	----	24.50-	270	.264	----	----	10	UNCH	63.30B	14.70A
1475	----	37.70B	29.20A	----	29.30-	300	.309	----	----	1	UNCH	72.00B	8.60A
1480	----	39.30B	30.60A	----	30.60-	310	.321	----	1	----	1	74.40B	8.90A
1500	----	50.60B	40.90A	----	40.80-	320	.381	----	----	1	UNCH	60.70B	25.20A
1500	----	46.40B	36.50A	----	36.40-	350	.374	----	----	41	UNCH	84.10B	10.00A
1515	----	52.30B	41.60A	----	41.50-	370	.417	----	----	11	UNCH	92.20B	14.10A
1525	----	56.70B	45.30A	----	45.20+	NEW	.447	----	1	1 +	1	97.90B	11.80A
1530	----	59.00B	47.30A	----	47.20-	390	.463	----	----	8	UNCH	101.00B	12.20A
1535	----	61.40B	49.40A	----	49.30-	400	.479	----	----	17	UNCH	104.00B	13.40A
1540	----	64.00B	51.50A	----	51.40-	410	.495	----	----	1	UNCH	106.90B	13.00A
1545	----	66.50B	53.70A	----	53.60-	420	.512	----	1	33 -	1	110.00B	14.40A
1555	----	71.80B	58.40A	----	58.30-	430	.545	----	----	2	UNCH	116.60B	15.50A
1560	----	74.60B	60.80A	----	60.80-	430	.562	----	----	39	UNCH	119.90B	14.80A
1570	----	80.50B	66.10A	----	66.00-	450	.597	----	----	4	UNCH	126.80B	15.90A
1575	----	83.60B	68.80A	----	68.70-	460	.614	----	----	13	UNCH	130.50B	16.40A
1600	----	100.50B	84.00A	----	83.90-	480	.700	----	----	252	UNCH	149.30B	19.50A
1620	----	114.30B	99.00A	----	97.90-	480	.764	----	----	2	UNCH	162.20B	22.40A
1700	----	184.40B	167.30A	----	165.80-	440	.936	----	----	1	UNCH	230.50B	39.80A
TOTAL FEB19									8	1135 +	3		
1270	----	10.10B	8.40A	----	8.00-	100	.076	----	----	1	UNCH	22.10B	5.60A
1310	----	13.90B	11.30A	----	11.00-	120	.103	----	----	1	UNCH	28.80B	7.40A
1350	----	18.80B	15.30A	----	15.00-	150	.139	----	----	1	UNCH	37.40B	9.90A
1400	----	27.30B	22.30A	----	21.90-	200	.200	----	----	1	UNCH	50.90B	14.20A
1415	----	30.40B	24.90A	----	24.50-	220	.222	----	----	4	UNCH	55.70B	15.90A
1520	----	63.60B	53.30A	----	53.00-	340	.437	----	----	31	UNCH	101.80B	34.20A
1535	----	70.30B	59.20A	----	58.90-	360	.476	----	----	10	UNCH	110.40B	38.00A
1540	----	72.70B	61.30A	----	61.10-	350	.490	----	----	26	UNCH	113.20B	39.40A
1570	----	88.20B	75.40A	----	75.20-	390	.575	----	----	11	UNCH	132.30B	48.90A
1575	----	91.10B	78.00A	----	77.80-	400	.590	----	----	8	UNCH	135.70B	50.70A
1580	----	94.10B	80.70A	----	80.50-	400	.604	----	----	9	UNCH	139.30B	52.50A
TOTAL									0	103			
DEC18													
975	----	----	----	----	.25-	5	.002	----	----	40	UNCH	10.60B	.30A
1000	----	----	----	----	.25-	10	.002	----	----	2	UNCH	11.80B	.35A
1075	----	----	----	----	.40-	10	.004	----	----	61	UNCH	16.30B	.55A
1100	----	----											



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PRELIMINARY

Table with columns: PG40, BULLETIN #223@, NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS, Fri, Nov 16, 2018, PG40. Contains multiple columns of price and volume data for various options contracts.

ADDITIONAL NASDAQ PUTS

Table with columns: STRIKE, OPEN, RANGE, HIGH, LOW, CLOSING, RANGE, SETT. PRICE & PT. CHGE., DELTA, EXER CISES, VOLUME TRADES CLEARED, OPEN INTEREST, --CONTRACT-- HIGH, LOW. Lists specific put option contracts and their characteristics.

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PRELIMINARY

PG40 BULLETIN #223@

NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS

Fri, Nov 16, 2018 PG40

Table with multiple columns containing option data including prices, quantities, and status. Includes sections for ON OOF, TOTAL, and MINI NSDO.

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CME Group, Inc.

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

Customer Service: (312) 930-1000

PRELIMINARY

PG40 BULLETIN #223@

NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS

Fri, Nov 16, 2018 PG40

MINI NSDO	EOM P	100.00	56.00A	----	58.50-	5.75	.265	----	5	93	UNCH	297.75B	26.25A
6700	100.00	100.00	56.00A	----	58.50-	5.75	.265	----	5	93	UNCH	297.75B	26.25A
6710	----	99.75B	58.25A	----	60.75-	5.75	.275	----	3	1	UNCH	302.75B	26.75A
6720	----	103.25B	60.50A	----	63.25-	5.75	.284	----	1	1	UNCH	307.75B	27.25A
6730	----	106.75B	62.75A	----	65.75-	5.50	.294	----	1	1	UNCH	313.00B	27.75A
6740	----	110.25B	65.25A	----	68.25-	5.50	.304	----	5	1	UNCH	318.25B	28.00A
6750	96.00	113.75B	67.75A	----	70.75-	5.75	.314	----	10	161 +	10	323.50B	28.50A
6760	----	117.50B	70.25A	----	73.50-	5.75	.325	----	2	2	UNCH	328.75B	29.00A
6770	----	121.25B	73.00A	----	76.25-	5.75	.336	----	48	48	UNCH	334.00B	29.50A
6780	----	125.25B	75.75A	----	79.25-	5.50	.347	----	11	11	UNCH	339.25B	30.00A
6790	----	129.25B	78.50A	----	82.25-	5.50	.358	----	15	15	UNCH	344.75B	30.75A
6800	141.50	141.50	81.50A	----	85.50-	5.25	.370	----	106	4251 +	20	350.00B	31.25A
6810	111.50	136.00B	84.75A	----	88.50-	5.25	.381	----	20	20 +	10	355.75B	31.75A
6820	135.00	140.25B	88.00A	----	92.00-	5.00	.394	----	42	43 +	32	361.50B	32.25A
6830	148.00	148.00	91.25A	----	95.25-	5.00	.406	----	2	2 +	1	367.25B	32.75A
6840	138.00	149.25B	94.50A	----	98.75-	5.00	.418	----	54	75 +	52	373.00B	33.50A
6850	142.00	153.75B	98.00A	----	102.50-	4.75	.431	----	34	105 +	18	379.00B	34.00A
6860	124.00	158.75B	101.75A	----	106.25-	4.50	.444	----	1	3 +	1	385.00B	34.75A
6870	----	163.50B	105.50A	----	110.00-	4.50	.457	----	2	2	UNCH	391.00B	35.25A
6880	126.50	168.50B	109.25A	----	114.00-	4.25	.470	----	1	10	UNCH	397.25B	36.00A
6900	173.50	179.00B	117.75A	----	122.25-	4.00	.498	----	1	103	UNCH	409.75B	37.25A
6910	----	184.25B	122.00A	----	126.50-	3.75	.512	----	1	5 +	1	416.00B	38.00A
6920	----	189.50B	126.25A	----	131.00-	3.50	.526	----	42	42	UNCH	422.50B	38.75A
6930	130.00	195.00B	130.00A	----	135.50-	3.25	.540	----	1	2 +	1	429.00B	39.25A
6950	----	206.50B	140.00A	----	145.25-	2.50	.569	----	133	133	UNCH	442.50B	40.75A
6960	----	212.50B	144.75A	----	150.00-	2.50	.584	----	23	23	UNCH	449.25B	41.50A
6980	----	224.75B	155.00A	----	160.50-	1.75	.613	----	42	42	UNCH	463.00B	43.25A
6990	----	231.25B	160.25A	----	166.00-	1.25	.628	----	55	55	UNCH	470.00B	44.00A
7000	198.75	237.75B	165.75A	----	171.75-	0.75	.643	----	33	846 -	1	477.25B	44.75A
7020	----	251.25B	177.50A	----	183.25	UNCH	.673	----	9	9	UNCH	491.75B	46.25A
7040	----	265.25B	189.75A	----	195.75+	1.00	.702	----	4	4	UNCH	506.50B	48.50A
7050	----	272.50B	196.25A	----	202.25+	1.75	.717	----	2	42 +	2	514.00B	49.25A
7060	----	279.75B	202.75A	----	208.75+	2.00	.731	----	1	1	UNCH	514.75B	50.00A
7070	----	287.25B	209.50A	----	215.75+	2.75	.745	----	12	12	UNCH	522.75B	51.00A
7080	----	288.75B	216.25A	----	222.75+	3.50	.759	----	1	1	UNCH	530.50B	52.00A
7090	----	289.75B	223.25A	----	229.75+	4.00	.772	----	2	2	UNCH	538.25B	53.00A
7100	----	294.50B	230.50A	----	237.00+	4.50	.785	----	6	6	UNCH	546.00B	54.00A
7110	----	302.50B	237.75A	----	244.50+	5.00	.798	----	3	3	UNCH	554.00B	54.75A
7120	----	310.50B	245.25A	----	252.25+	5.75	.810	----	2	2	UNCH	562.00B	56.00A
7150	----	335.25B	----	----	276.00+	7.75	.844	----	96	96	UNCH	586.25B	59.50A
7160	----	343.75B	----	----	284.25+	8.25	.854	----	1	1	UNCH	594.50B	60.50A
7170	----	352.50B	----	----	292.75+	9.00	.864	----	3	3	UNCH	603.00B	61.75A
7200	----	378.75B	----	----	318.50+	10.75	.890	----	88	88	UNCH	628.50B	65.50A
7230	----	405.75B	----	----	345.25+	12.50	.912	----	4	4	UNCH	642.25B	69.25A
7250	----	424.25B	----	----	363.50+	13.50	.925	----	1	1	UNCH	659.00B	72.00A
7280	----	452.25B	----	----	391.50+	15.00	.940	----	1	1	UNCH	684.75B	76.75A
7300	----	471.25B	----	----	410.25+	15.50	.948	----	1	11	UNCH	690.00	79.75A
7350	----	519.25B	----	----	458.25+	17.00	.965	----	1	21 +	1	646.50B	88.00A
7360	----	529.00B	----	----	468.00+	17.50	.967	----	3	3	UNCH	655.50B	89.75A
7370	----	538.50B	----	----	477.75+	17.75	.969	----	1	1	UNCH	664.50B	91.75A
7380	----	548.25B	----	----	487.50+	17.75	.972	----	6	6	UNCH	673.75B	93.75A
7400	546.75	580.00B	546.75	----	507.00+	18.25	.975	----	1	19	UNCH	692.00B	97.50A
7420	----	587.50B	----	----	526.75+	18.50	.979	----	7	7	UNCH	710.75B	101.50A
7430	----	597.25B	----	----	536.50+	18.75	.980	----	7	7	UNCH	720.00B	103.50A
7440	----	573.75B	----	----	546.25+	18.75	.981	----	9	9	UNCH	729.25B	105.50A
7450	----	583.50B	----	----	556.25+	19.00	.983	----	18	18	UNCH	738.75B	107.75A
7480	----	613.00B	----	----	585.75+	19.00	.986	----	25	25	UNCH	767.25B	114.50A
7500	----	632.75B	----	----	605.50+	19.25	.987	----	1	1	UNCH	786.25B	119.50A
7600	----	732.00B	----	----	705.00+	19.75	.993	----	2	2	UNCH	883.00B	146.00
7630	----	761.75B	----	----	734.75+	19.75	.994	----	3	3	UNCH	912.25B	155.75A
TOTAL									356	7078 +	176		
201812C	MINI NSDO EOM P	4.00	4.00	----	3.60-	0.70	.009	----	8	8 -	5	23.00B	3.50
5000	----	----	4.60A	----	3.90-	0.75	.010	----	5	5	UNCH	24.75B	4.50A
5040	----	9.50B	9.00A	----	7.75-	1.50	.021	----	203	203	UNCH	46.25B	8.00A
5500	----	12.25B	10.50A	----	9.50-	1.75	.026	----	200	200	UNCH	54.50B	8.00A
5600	13.00	15.50B	12.50A	----	11.75-	1.75	.032	----	2	5 +	2	64.25B	9.25A
5620	----	16.00B	13.00A	----	12.25-	1.75	.034	----	1	1	UNCH	66.50B	9.50A
5650	----	17.25B	13.75A	----	13.00-	2.00	.036	----	3	3	UNCH	69.75B	10.00A
5660	----	17.75B	14.00A	----	13.25-	2.00	.037	----	5	5	UNCH	71.00B	10.00A
5700	----	19.50B	15.00A	----	14.25-	2.25	.040	----	4	4	UNCH	75.75B	10.50A
5750	----	21.75B	16.50A	----	16.00-	2.50	.044	----	50	50	UNCH	82.00B	11.25A
5800	----	24.50B	18.25A	----	17.75-	2.75	.049	----	2	2	UNCH	89.00B	12.25A
5840	----	27.00B	19.75A	----	19.25-	3.00	.054	----	50	50	UNCH	95.00B	12.75A
5900	----	31.00B	22.50A	----	22.00-	3.25	.062	----	20	20	UNCH	104.25B	14.00A
5950	----	34.75B	25.00A	----	24.75-	3.50	.069	----	3	3	UNCH	112.75B	15.00A
6000	----	39.00B	27.75A	----	27.50-	4.00	.077	----	1	12	UNCH	121.75B	16.00A
6020	----	40.75B	29.00A	----	29.00-	4.00	.081	----	55	55	UNCH	125.75B	16.50A
6050	----	43.75B	31.00A	----	31.00-	4.25	.086	----	7	7	UNCH	131.75B	17.00A
6070	----	45.75B	32.50A	----	32.50-	4.25	.090	----	1	1	UNCH	135.75B	17.50A
6100	----	49.00B	34.75A	----	34.75-	4.50	.096	----	3	3	UNCH	142.25B	18.25A
6140	43.00	53.75B	38.00A	----	38.00	NEW	.105	----	3	3 +	3	151.00B	19.25A
6150	----	55.00B	38.75A	----	39.00-	5.00	.107	----	1	1 -	1	153.50B	19.75A
6190	----	60.25B	42.50A	----	42.75-	5.25	.117	----	1	1	UNCH	163.00B	20.75A
6200	----	62.25B	43.50A	----	43.75-	5.25	.120	----	30	30	UNCH	165.50B	21.00A
6210	----	63.75B	44.50A	----	44.75-	5.25	.122	----	5	5	UNCH	168.00B	21.25A
6250	----	69.50B	48.50A	----	49.00-	5.75	.133	----	3	3	UNCH	178.25B	22.50A
6300	----	78.00B	54.50A	----	55.00-	6.00	.149	----	20	20	UNCH	192.00B	24.25A
6340	----	84.25B	59.50A	----	60.50-	6.00	.162	----	6	6	UNCH	203.75B	25.75A
6350	----	86.50B	61.00A	----	61.75-	6.25	.165	----	3	3	UNCH	206.75B	26.00A
6400	----	96.00B	68.25A	----	69.25-	6.25	.184	----	19	19	UNCH	222.50B	28.00A
6410	----	98.00B	69.75A	----	70.75-	6.50	.187	----	2	2	UNCH	225.75B	28.50A
6420	----	101.00B	71.25A	----	72.50-	6.25	.191	----	4	4	UNCH	229.00B	29.00A
6450	86.00	107.50B	76.25A	----	77.50-	6.50	.203	----	25	9 -	17	239.25B	30.25A
6500	----	119.00B	85.00A	----	86.75-	6.50	.225	----	35	35	UNCH	257.00B	32.50A
6520	----	123.75B	89.00A	----	90.75-	6.50	.234	----	2	2	UNCH	264.50B	33.50A
6540	101.25	128.75B	93.00A	----	94.75	NEW	.244	----	6	----	UNCH	272.00B	34.50A
6550	----												



PRELIMINARY

PG40 BULLETIN #223@

NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS

Fri, Nov 16, 2018 PG40

MINI NSDO EOM P														
7700	----	852.75B	----	----	779.25+	16.25	.956	----	----	1	UNCH	1081.50B	216.50A	
TOTAL									50	1105 -	15			
201901C	MINI NSDO EOM P													
5170	----	17.75B	----	----	14.00-	2.25	.029	----	----	1	UNCH	48.50B	12.00A	
5350	----	25.00B	21.50A	----	19.25-	2.75	.040	----	----	2	UNCH	64.75B	15.25A	
5380	----	26.50B	22.50A	----	20.25-	2.75	.042	----	----	1	UNCH	67.50B	16.00A	
5500	----	33.00B	27.25A	----	24.75-	3.50	.052	----	----	70	UNCH	80.75B	19.00A	
5700	----	47.25B	37.50A	----	35.50-	4.25	.074	----	----	169	UNCH	107.25B	24.00	
6000	----	79.75B	61.75A	----	60.50-	5.25	.123	----	----	46	UNCH	160.25B	27.50A	
6090	----	93.25B	71.75A	----	70.75-	5.75	.143	----	----	2	UNCH	180.25B	30.75A	
6100	----	94.75B	73.00A	----	72.00-	5.75	.145	----	----	10	UNCH	182.75B	31.25A	
6150	----	103.00B	79.50A	----	78.50-	6.00	.158	----	----	4	UNCH	195.00B	33.25A	
6200	----	111.50B	86.50A	----	85.75-	5.75	.171	----	----	5	UNCH	207.50B	35.50A	
6300	----	130.75B	102.00A	----	101.75-	6.00	.200	----	----	10	UNCH	235.75B	40.25A	
6350	----	141.50B	110.75A	----	110.50-	6.00	.216	----	----	6	UNCH	249.75B	43.00A	
6400	----	153.00B	120.25A	----	120.25-	6.00	.233	----	----	6	UNCH	266.75B	45.75A	
6450	----	164.75B	130.50A	----	130.50-	6.00	.251	----	----	4	UNCH	283.50B	49.00A	
6480	----	172.25B	137.00A	----	137.00-	6.00	.262	----	----	2	UNCH	294.00B	51.00A	
6500	----	177.50B	141.75A	----	141.75-	5.75	.270	----	----	36	UNCH	301.50B	52.25A	
6550	----	192.00B	153.50A	----	153.75-	5.75	.291	----	----	4	UNCH	320.25B	55.75A	
6600	----	206.00B	166.25A	----	166.50-	5.75	.312	----	----	6	UNCH	341.25B	59.75A	
6650	----	222.00B	180.00A	----	180.25-	5.50	.334	----	----	3	UNCH	361.25B	63.75A	
6680	----	231.75B	188.75A	----	189.00-	5.25	.348	----	----	2	UNCH	374.75B	66.25A	
6700	----	238.50B	194.75A	----	195.00-	5.25	.358	----	----	6	UNCH	383.25B	68.25A	
6750	----	257.75B	210.50A	----	211.00-	4.75	.383	----	----	3	UNCH	406.50B	73.00A	
6800	----	275.50B	227.50A	----	228.00-	4.50	.409	----	----	5	UNCH	431.00B	78.00A	
6850	----	295.75B	245.50A	----	246.25-	4.00	.436	----	----	4	UNCH	456.50B	83.50A	
6900	----	317.25B	265.00A	----	265.75-	3.50	.464	----	----	3	UNCH	483.25B	89.50A	
6950	----	340.00B	285.75A	----	286.75-	2.75	.494	----	----	3	UNCH	512.75B	95.75A	
7000	----	364.50B	308.00A	----	309.00-	2.00	.524	----	----	4	UNCH	541.50B	102.50A	
7020	----	375.00B	316.75A	----	318.50-	1.75	.536	----	----	1	UNCH	554.25B	105.50A	
7040	----	385.25B	326.75A	----	328.00-	1.50	.548	----	----	1	UNCH	566.00B	108.50A	
7070	----	401.00B	341.50A	----	343.00-	0.75	.567	----	----	3	UNCH	585.00B	113.00A	
7140	----	440.75B	378.25A	----	380.00+	0.50	.611	----	----	1	UNCH	631.00B	124.50A	
7160	----	452.50B	389.50A	----	391.25+	1.00	.624	----	----	1	UNCH	645.25B	128.00A	
7190	----	462.00B	----	----	408.50+	1.50	.643	----	----	1	UNCH	664.75B	133.25A	
7200	----	468.25B	----	----	414.25+	1.50	.649	----	----	1	UNCH	672.50B	135.25A	
7210	----	474.50B	----	----	420.25+	1.75	.655	----	----	1	UNCH	678.75B	137.00A	
TOTAL									0	427				
201902C	MINI NSDO EOM P													
5250	----	34.50B	29.75A	----	27.50-	2.75	.049	----	----	2	UNCH	42.75B	21.00A	
6800	----	318.50B	272.25A	----	272.25-	3.25	.415	----	----	1	UNCH	367.25B	174.75A	
TOTAL									0	3				



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



PRELIMINARY

PG40 BULLETIN #223@

NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS

Fri, Nov 16, 2018 PG40

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 NASD PUT							
DEC18	E-MINI NASDAQ 100 OPTIONS						
QZ	7980	----	----	----	----	1	0.00
QZ	8000	----	----	----	----	13	0.00
TOTALS		0	0	0	0	14	0
QN OOF NOV18 CALL							
Q3	E-MINI NASDAQ 100 WEEKLY OPT						
Q3	6000	----	----	----	4	4	0.00
Q3	6400	----	----	----	1	1	0.00
Q3	6460	----	----	----	5	5	0.00
Q3	6500	----	----	----	2	2	0.00
Q3	6550	----	----	----	3	3	0.00
Q3	6570	----	----	----	16	16	0.00
Q3	6600	----	----	----	74	74	0.00
Q3	6620	----	----	----	63	63	0.00
Q3	6650	----	----	----	54	54	0.00
Q3	6660	----	----	----	50	50	0.00
Q3	6680	----	----	----	8	8	0.00
Q3	6700	----	----	----	36	36	0.00
Q3	6740	----	----	----	12	12	0.00
Q3	6750	----	----	----	57	57	0.00
Q3	6770	----	----	----	33	33	0.00
Q3	6780	----	----	----	16	16	0.00
Q3	6790	----	----	----	40	40	0.00
Q3	6800	----	----	----	135	135	0.00
Q3	6810	----	----	----	26	26	0.00
Q3	6820	----	----	----	18	18	0.00
Q3	6830	----	----	----	67	67	0.00
Q3	6840	----	----	----	43	43	0.00
Q3	6850	----	----	----	87	87	0.00
Q3	6860	----	----	----	51	51	0.00
Q3	6870	----	----	----	86	86	0.00
TOTALS		0	0	0	987	987	0
QN OOF NOV18 PUT							
Q3	E-MINI NASDAQ 100 WEEKLY OPT						
Q3	6880	----	----	----	78	78	0.00
Q3	6890	----	----	----	130	130	0.00
Q3	6900	----	----	----	170	170	0.00
Q3	6910	----	----	----	15	15	0.00
Q3	6920	----	----	----	39	39	0.00
Q3	6930	----	----	----	33	33	0.00
Q3	6940	----	----	----	8	8	0.00
Q3	6950	----	----	----	162	162	0.00
Q3	6960	----	----	----	19	19	0.00
Q3	6970	----	----	----	51	51	0.00
Q3	6980	----	----	----	31	31	0.00
Q3	6990	----	----	----	27	27	0.00
Q3	7000	----	----	----	296	296	0.00
Q3	7010	----	----	----	37	37	0.00
Q3	7020	----	----	----	19	19	0.00
Q3	7030	----	----	----	14	14	0.00
Q3	7040	----	----	----	30	30	0.00
Q3	7050	----	----	----	925	925	0.00
Q3	7060	----	----	----	16	16	0.00
Q3	7070	----	----	----	47	47	0.00
Q3	7080	----	----	----	68	68	0.00
Q3	7090	----	----	----	12	12	0.00
Q3	7100	----	----	----	293	293	0.00
Q3	7110	----	----	----	11	11	0.00
Q3	7120	----	----	----	91	91	0.00
Q3	7130	----	----	----	14	14	0.00
Q3	7140	----	----	----	4	4	0.00
Q3	7150	----	----	----	856	856	0.00
Q3	7160	----	----	----	21	21	0.00
Q3	7170	----	----	----	23	23	0.00
Q3	7180	----	----	----	46	46	0.00
Q3	7190	----	----	----	18	18	0.00
Q3	7200	----	----	----	94	94	0.00
Q3	7210	----	----	----	17	17	0.00
Q3	7220	----	----	----	6	6	0.00
Q3	7230	----	----	----	26	26	0.00
Q3	7240	----	----	----	27	27	0.00
Q3	7250	----	----	----	91	91	0.00
Q3	7260	----	----	----	4	4	0.00
Q3	7270	----	----	----	6	6	0.00



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PRELIMINARY

PG40	BULLETIN #223@	NASDAQ 100 AND E-MINI NASDAQ 100 OPTIONS					Fri, Nov 16, 2018	PG40
QN3	7280	----	----	----	4	4	0.00	
QN3	7290	----	----	----	5	5	0.00	
QN3	7300	----	----	----	219	219	0.00	
QN3	7310	----	----	----	32	32	0.00	
QN3	7320	----	----	----	21	21	0.00	
QN3	7330	----	----	----	9	9	0.00	
QN3	7340	----	----	----	3	3	0.00	
QN3	7350	----	----	----	17	17	0.00	
QN3	7370	----	----	----	3	3	0.00	
QN3	7380	----	----	----	1	1	0.00	
QN3	7390	----	----	----	4	4	0.00	
QN3	7400	----	----	----	113	113	0.00	
QN3	7410	----	----	----	1	1	0.00	
QN3	7420	----	----	----	91	91	0.00	
QN3	7430	----	----	----	3	3	0.00	
QN3	7440	----	----	----	7	7	0.00	
QN3	7450	----	----	----	10	10	0.00	
QN3	7460	----	----	----	10	10	0.00	
QN3	7470	----	----	----	6	6	0.00	
QN3	7480	----	----	----	5	5	0.00	
QN3	7490	----	----	----	9	9	0.00	
QN3	7500	----	----	----	167	167	0.00	
QN3	7510	----	----	----	6	6	0.00	
QN3	7520	----	----	----	6	6	0.00	
QN3	7540	----	----	----	6	6	0.00	
QN3	7550	----	----	----	51	51	0.00	
QN3	7560	----	----	----	5	5	0.00	
QN3	7570	----	----	----	9	9	0.00	
QN3	7580	----	----	----	6	6	0.00	
QN3	7590	----	----	----	5	5	0.00	
QN3	7600	----	----	----	45	45	0.00	
QN3	7610	----	----	----	15	15	0.00	
QN3	7630	----	----	----	8	8	0.00	
QN3	7640	----	----	----	1	1	0.00	
QN3	7650	----	----	----	36	36	0.00	
QN3	7660	----	----	----	13	13	0.00	
QN3	7670	----	----	----	5	5	0.00	
QN3	7680	----	----	----	19	19	0.00	
QN3	7690	----	----	----	1	1	0.00	
QN3	7700	----	----	----	30	30	0.00	
QN3	7710	----	----	----	1	1	0.00	
QN3	7750	----	----	----	1	1	0.00	
QN3	7800	----	----	----	57	57	0.00	
QN3	7850	----	----	----	1	1	0.00	
QN3	7900	----	----	----	7	7	0.00	
QN3	9910	----	----	----	1	1	0.00	
QN3	9930	----	----	----	5	5	0.00	
QN3	9940	----	----	----	5	5	0.00	
TOTALS		0	0	0	4960	4960	0	