S&P 500 PUT OPTIONS

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FINAL

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 EXCERCISES, POSITIONS IN DELIVERY, OR POSITIONS IN A CASH SETTLEMENT CYCLE. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT SESSION #=NEW CONTRACT HIGH PRICE *=NEW CONTRACT LOW PRICE R=RECORD VOL OR OPN INT. SETTLEMENT PRICE DETERMINED BY CME RULE 813. B=BID A=ASK N=NOMINAL P=POST SETTLEMENT. CAB= (CABINET TRANSACTION) - 1/2 TICK VALUE = $12.50 PRODCUT 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.

WK EV-W1 S&P 500 PUTS

STRIKE	OPEN RANGE	HIGH	LOW	CLOSING RANGE	SETT.PRICE & PT.CHGE.		DELTA	EXER CISES	VOLUME TRADES CLEARED	OPEN INTEREST		--CONTRACT-- HIGH	--CONTRACT-- LOW
EOW1 S&P 500 P													
AUG18	EOW1 S&P 500 P	(FUTURES SETT.	.00)										
2100	----	----	----	0.20N	.20	UNCH	.001	----	----	157	UNCH	.45	.30
2300	----	----	----	0.45N	.40-	5	.004	----	----	1200	UNCH	----	----
2450	----	----	----	0.75N	.65-	10	.008	----	----	400	UNCH	----	----
2470	----	----	----	0.85N	.75-	10	.010	----	----	3	UNCH	----	----
2505	----	----	----	0.95N	.85-	10	.012	----	----	11	UNCH	----	----
2525	----	----	----	1.05N	.95-	10	.014	----	----	1	UNCH	----	----
2530	----	----	----	1.10N	.95-	15	.015	----	----	7	UNCH	----	----
2540	----	----	----	1.15N	1.00-	15	.016	----	----	21	UNCH	----	----
2590	----	----	----	1.50N	1.30-	20	.023	----	7	14 +	7	----	----
2600	----	----	----	1.60N	1.40-	20	.025	----	----	137	UNCH	----	----
2610	----	----	----	1.70N	1.50-	20	.028	----	----	7	UNCH	----	----
2615	----	----	----	1.80N	1.55+	NEW	.029	----	7	7 +	7	----	----
2640	----	----	----	2.15N	1.85-	30	.037	----	----	7	UNCH	----	----
2645	----	----	----	2.25N	1.90-	35	.039	----	----	14	UNCH	----	----
2650	----	----	----	2.35N	1.95-	40	.040	----	----	7	UNCH	----	----
2680	----	----	----	3.00N	2.50-	50	.056	----	7	144 +	7	----	----
2685	----	----	----	3.15N	2.65-	50	.060	----	----	7	UNCH	----	----
2705	----	----	----	3.85N	3.20+	NEW	.077	----	7	7 +	7	----	----
TOTAL									28	2151 +	28		

WK EV-W2 S&P 500 PUTS

STRIKE	OPEN RANGE	HIGH	LOW	CLOSING RANGE	SETT.PRICE & PT.CHGE.		DELTA	EXER CISES	VOLUME TRADES CLEARED	OPEN INTEREST		--CONTRACT-- HIGH	--CONTRACT-- LOW
EOW2 S&P 500 P													
AUG18	EOW2 S&P 500 P	(FUTURES SETT.	.00)										
2600	----	----	----	2.60N	2.35-	25	.039	----	----	1	UNCH	----	----
2685	----	----	----	4.85N	4.30-	55	.085	----	----	137	UNCH	----	----
2720	----	----	----	6.90N	6.00-	90	.127	----	----	138	UNCH	----	----
TOTAL									0	276			

WK EV-W4 S&P 500 PUTS

STRIKE	OPEN RANGE	HIGH	LOW	CLOSING RANGE	SETT.PRICE & PT.CHGE.		DELTA	EXER CISES	VOLUME TRADES CLEARED	OPEN INTEREST		--CONTRACT-- HIGH	--CONTRACT-- LOW
EOW4 S&P 500 P													
JUL18	EOW4 S&P 500 P	(FUTURES SETT.	.00)										
1450	----	----	----	----	CAB	----	----	----	----	220	UNCH	----	----
1650	----	----	----	----	CAB	----	----	----	----	220	UNCH	----	----
1980	----	----	----	----	CAB	----	----	----	----	50	UNCH	----	----
2000	----	----	----	----	CAB	----	----	----	----	600	UNCH	----	----
2075	----	----	----	----	CAB	----	----	----	----	1200	UNCH	----	----
2090	----	----	----	----	CAB	----	----	----	----	50	UNCH	----	----
2100	----	----	----	----	CAB	----	----	----	----	1000	UNCH	----	----
2125	----	----	----	0.05N	CAB	----	----	----	----	350	UNCH	.10	.10
2150	----	CAB	CAB	----	CAB	----	----	----	400	400 +	400	----	----
2175	----	CAB	CAB	----	CAB	----	----	----	1600	1600 +	1600	----	----
2225	----	CAB	CAB	----	CAB	----	.000	----	1000	1000 +	1000	----	----
2250	----	----	----	0.05N	.05	UNCH	.000	----	----	31	UNCH	.25	.25
2275	----	----	----	0.05N	.05	UNCH	.000	----	----	3503	UNCH	.25	.10
2290	----	----	----	0.05N	.05	UNCH	.000	----	100	1000	UNCH	.10	.10
2300	----	----	----	0.10N	.05-	5	.000	----	----	1	UNCH	1.30	1.30
2325	----	----	----	0.10N	.05-	5	.000	----	----	3	UNCH	.25	.25
2350	----	----	----	0.15N	.05-	10	.000	----	----	12	UNCH	.25	.25
2370	0.10	#.10	*.10	0.10	.10+	NEW	.001	----	25	25 +	25	.10	.10
2380	----	----	----	0.15N	.10-	5	.001	----	----	3	UNCH	.25	.25
2400	----	----	----	0.20N	.10-	10	.001	----	----	3	UNCH	.25	.25
2425	----	----	----	0.20N	.15-	5	.002	----	----	20	UNCH	4.10	4.10
2430	----	----	----	0.25N	.15-	10	.002	----	----	5	UNCH	----	----
2450	----	----	----	0.25N	.15-	10	.002	----	----	3	UNCH	.25	.25
2470	----	----	----	0.30N	.15-	15	.002	----	----	5	UNCH	----	----
2500	0.25	#.25	*.25	0.25	.25+	NEW	.003	----	3	3 +	3	.25	.25
2515	----	----	----	0.40N	.25-	15	.004	----	----	36	UNCH	----	----
2520	----	----	----	0.40N	.25-	15	.004	----	----	31	UNCH	----	----
2530	----	----	----	0.45N	.30-	15	.005	----	----	5	UNCH	----	----
2535	----	----	----	0.45N	.30-	15	.005	----	----	5	UNCH	----	----
2545	----	----	----	0.45N	.35-	10	.006	----	----	5	UNCH	----	----
2550	0.30	#.30	*.30	0.30	.35-	15	.006	----	1000	1800 +	1000	.30	.30
2555	----	----	----	0.50N	.35-	15	.006	----	----	5	UNCH	----	----
2565	----	----	----	0.50N	.40-	10	.007	----	----	5	UNCH	----	----
2570	----	----	----	0.50N	.40-	10	.007	----	----	5	UNCH	----	----
2575	----	----	----	0.55N	.40-	15	.007	----	----	5	UNCH	----	----
2580	----	----	----	0.55N	.40-	15	.007	----	----	5	UNCH	----	----
2605	----	----	----	0.65N	.50-	15	.010	----	----	137	UNCH	----	----
2610	----	----	----	0.70N	.50-	20	.010	----	----	5	UNCH	----	----
2615	----	----	----	0.75N	.50-	25	.010	----	----	5	UNCH	----	----
2620	----	----	----	0.75N	.55-	20	.011	----	----	10	UNCH	----	----
2635	----	----	----	0.85N	.60-	25	.013	----	----	10	UNCH	3.60	3.60
2645	----	----	----	0.90N	.65-	25	.015	----	----	162	UNCH	----	----
2655	----	----	----	1.00N	.70-	30	.017	----	----	15	UNCH	----	----
2680	----	----	----	1.30N	.95-	35	.025	----	----	5	UNCH	----	----
2700	----	----	----	1.60N	1.20-	40	.034	----	----	200	UNCH	----	2.80A
2710	----	----	----	1.85N	1.35-	50	.040	----	----	5	UNCH	3.55	2.00
2750	2.10	2.10	*2.10	2.10	2.50-	95	.088	----	2	1 -	1	10.50	2.10
2760	3.00	3.00	*3.00	3.00	3.05-	110	.111	----	20	67 +	20	11.50	3.00
2820	----	----	----	19.80N	15.90-	390	.546	----	----	1	UNCH	----	----
TOTAL									4150	13837 +	4047		

S&P 500 PUTS

STRIKE	OPEN RANGE	HIGH	LOW	CLOSING RANGE	SETT.PRICE & PT.CHGE.		DELTA	EXER CISES	VOLUME TRADES CLEARED	OPEN INTEREST		--CONTRACT-- HIGH	--CONTRACT-- LOW
S&P 500 PUT													
SEP18	S&P 500 PUT	(FUTURES SETT.	2816.00 +	470)									
1000	----	----	----	0.05N	.05	UNCH	.000	----	----	8	UNCH	.15	.15
1100	----	----	----	0.05N	.10+	5	.000	----	----	50	UNCH	----	----
1200	----	----	----	0.10N	.15+	5	.000	----	----	2900	UNCH	.25	.25
1400	----	----	----	0.20N	.25+	5	.001	----	----	400	UNCH	2.20	2.20
1500	----	----	----	0.30N	.35+	5	.001	----	----	2000	UNCH	.65	.65
1525	----	----	----	0.35N	.40+	5	.001	----	----	500	UNCH	.75	.75
1700	----	----	----	0.55N	.60+	5	.003	----	----	59	UNCH	1.05	1.05
1800	----	----	----	0.75N	.80+	5	.004	----	----	7	UNCH	----	----
1900	----	----	----	1.05N	1.05	UNCH	.006	----	----	470	UNCH	20.20	9.30
1920	----	----	----	1.10N	1.10	UNCH	.006	----	----	1	UNCH	30.20	30.20
1950	----	----	----	1.20N	1.15-	5	.007	----	----	6	UNCH	24.30	17.50
2000	----	----	----	1.35N	1.35	UNCH	.008	----	----	884	UNCH	20.30	15.20
2090	----	----	----	1.70N	1.75+	5	.011	----	----	250	UNCH	3.90	3.90
2100	----	----	----	1.75N	1.80+	5	.012	----	----	3448	UNCH	35.50	31.00
2125	----	----	----	1.90N	1.90	UNCH	.013	----	----	504	UNCH	4.25	4.15
2150	----	----	----	2.05N	2.05	UNCH	.014	----	----	19	UNCH	----	----
2165	----	----	----	2.15N	2.20+	5	.015	----	----	4	UNCH	2.80	2.70
2200	----	----	----	2.40N	2.45+	5	.018	----	----	8732	UNCH	30.20	15.50
2250	----	----	----	2.85N	2.80-	5	.021	----	----	481	UNCH	3.90	3.50
2260	----	----	----	2.95N	2.90-	5	.022	----	----	30	UNCH	31.20	31.20
2270	----	----	----	3.05N	3.00-	5	.023	----	----	1	UNCH	----	----
2275	----	----	----	3.10N	3.05-	5	.023	----	----	7	UNCH	70.00	10.30
2280	----	----	----	3.15N	3.10-	5	.024	----	----	1	UNCH	----	----
2290	3.30	3.30	*3.30	3.30	3.20-	10	.025	----	1	35 +	1	53.00	3.30
2300	----	----	----	3.40N	3.30-	10	.026	----	----	1740	UNCH	11.40	3.90
2310	----	----	----	3.50N	3.40-	10	.027	----	----	25	UNCH	----	----
2370	----	----	----	4.40N	4.20-	20	.035	----	----	250	UNCH	----	----
2375	----	----	----	4.45N	4.25-	20	.036	----	----	151	UNCH	----	----
2380	----	----	----	4.55N	4.35-	20	.037	----	----	349	UNCH	----	----
2385	----	----	----	4.60N	4.45-	15	.038	----	----	250	UNCH	----	----
2390	----	----	----	4.70N	4.50-	20	.038	----	----	500	UNCH	----	----
2395	----	----	----	4.80N	4.60-	20	.039	----	----	250	UNCH	----	----
2400	----	----	----	4.90N	4.70-	20	.040	----	----	2199	UNCH	82.00	82.00
2415	----	----	----	5.20N	5.00-	20	.043	----	----	6	UNCH	6.10	6.10
2425	----	----	----	5.40N	5.20-	20	.045	----	----	548	UNCH	20.30	20.30
2430	----	----	----	5.60N	5.30-	30	.046	----	----	35	UNCH	77.00	75.00
2440	----	----	----	5.80N	5.50-	30	.049	----	----	154	UNCH	----	----
2450	----	----	----	6.00N	5.70-	30	.051	----	25	1190 -	10	----	----
2475	----	----	----	6.60N	6.30-	30	.057	----	----	36	UNCH	----	----
2480	----	----	----	6.80N	6.40-	40	.059	----	----	150	UNCH	----	----
2495	----	----	----	7.30N	6.80-	50	.063	----	----	3	UNCH	----	----
2500	----	----	----	7.50N	7.00-	50	.065	----	----	773	UNCH	91.50	45.50
2510	----	----	----	7.80N	7.30-	50	.069	----	----	270	UNCH	----	----
2520	----	----	----	8.10N	7.70-	40	.073	----	----	2	UNCH	----	----
2525	----	----	----	8.30N	7.90-	40	.075	----	----	116	UNCH	13.80	13.80
2530	----	----	----	8.50N	8.10-	40	.077	----	----	5	UNCH	----	----
2540	----	----	----	8.90N	8.50-	40	.081	----	----	2	UNCH	----	----

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FINAL

2550	----	----	----	9.40N	8.90-	50	.086	----	25	295 +	22	12.50	12.50
2560	----	----	----	9.90N	9.30-	60	.091	----	----	2	UNCH	----	----
2570	----	----	----	10.30N	9.70-	60	.096	----	----	44	UNCH	----	----
2575	----	----	----	10.60N	10.00-	60	.099	----	450	1650 -	350	----	----
2580	----	----	----	10.80N	10.20-	60	.101	----	----	1	UNCH	----	----
2600	----	----	----	12.00N	11.40-	60	.114	----	----	504	UNCH	----	----
2610	----	----	----	12.70N	12.00-	70	.121	----	----	40	UNCH	----	----
2625	----	----	----	13.80N	13.00-	80	.133	----	----	225	UNCH	----	----
2630	----	----	----	14.20N	13.40-	80	.137	----	----	20	UNCH	71.50	71.50
2640	----	----	----	14.90N	14.20-	70	.146	----	----	11	UNCH	----	----
2650	----	----	----	15.80N	15.00-	80	.156	----	----	326	UNCH	21.30	21.30
2655	----	----	----	16.30N	15.40-	90	.160	----	----	1	UNCH	----	----
2660	----	----	----	16.80N	15.90-	90	.166	----	----	13	UNCH	----	----
2675	----	----	----	18.30N	17.30-	100	.183	----	----	75	UNCH	----	----
2685	----	----	----	19.30N	18.30-	100	.195	----	----	40	UNCH	----	----
2690	----	----	----	19.90N	18.90-	100	.201	----	----	2	UNCH	----	----
2700	----	----	----	21.20N	20.00-	120	.215	----	50	281	UNCH	50.00	50.00
2725	----	----	----	24.90N	23.40-	150	.255	----	----	251	UNCH	----	----
2730	----	----	----	25.70N	24.20-	150	.264	----	----	10	UNCH	----	----
2750	----	----	----	29.30N	27.70-	160	.304	----	----	236	UNCH	----	----
2760	----	----	----	31.50N	29.70-	180	.327	----	----	2	UNCH	----	----
2775	----	----	----	35.00N	33.10-	190	.364	----	----	140	UNCH	----	----
2800	----	----	----	42.30N	40.00-	230	.437	----	----	170	UNCH	----	----
2830	----	----	----	53.80N	51.10-	270	.543	----	----	1	UNCH	----	----
2850	----	----	----	63.80N	60.70-	310	.621	----	----	170	UNCH	----	----
TOTAL									551	34311 -	337		
DEC18		(FUTURES SETT. 2820.00 + 470)											
1100	----	----	----	0.35N	.35	UNCH	.001	----	----	5	UNCH	4.50	1.40
1175	----	----	----	0.45N	.45	UNCH	.001	----	----	50	UNCH	2.10	2.10
1200	----	----	----	0.50N	.50	UNCH	.001	----	----	3	UNCH	2.40	2.40
1300	----	----	----	0.65N	.65	UNCH	.002	----	----	2	UNCH	----	----
1500	----	----	----	1.10N	1.15+	5	.004	----	----	40	UNCH	27.00	6.20
1600	----	----	----	1.50N	1.55+	5	.006	----	----	73	UNCH	8.60	7.90
1650	----	----	----	1.75N	1.80+	5	.007	----	----	58	UNCH	24.50	20.00
1700	----	----	----	2.00N	2.05+	5	.008	----	----	157	UNCH	19.30	5.80
1800	----	----	----	2.70N	2.75+	5	.012	----	----	11	UNCH	8.10	8.10
1850	----	----	----	3.20N	3.20	UNCH	.014	----	----	140	UNCH	26.00	9.50
1950	----	----	----	4.40N	4.40	UNCH	.020	----	----	4	UNCH	----	----
2000	----	----	----	5.10N	5.10	UNCH	.024	----	----	194	UNCH	47.50	10.20
2050	----	----	----	6.10N	6.10	UNCH	.029	----	----	6	UNCH	60.00	60.00
2100	----	----	----	7.00N	7.20+	20	.034	----	----	51	UNCH	42.30	24.00
2200	----	----	----	9.90N	9.80-	10	.049	----	----	155	UNCH	90.00	25.30
2240	----	----	----	11.30N	11.30	UNCH	.056	----	----	85	UNCH	62.00	27.50
2250	----	----	----	11.70N	11.70	UNCH	.059	----	----	2	UNCH	----	----
2300	----	----	----	14.00N	13.80-	20	.070	----	----	225	UNCH	110.00	65.00
2350	----	----	----	16.50N	16.30-	20	.084	----	----	2	UNCH	----	----
2400	----	----	----	19.60N	19.30-	30	.101	----	----	221	UNCH	130.00	48.20
2425	----	----	----	21.30N	20.90-	40	.110	----	----	3	UNCH	----	----
2450	----	----	----	23.20N	22.70-	50	.120	----	----	1	UNCH	----	----
2500	----	----	----	27.50N	27.00-	50	.144	----	----	169	UNCH	----	----
2525	----	----	----	30.00N	29.50-	50	.158	----	----	2	UNCH	----	----
2550	----	----	----	32.70N	32.20-	50	.174	----	----	184	UNCH	77.90	77.90
2600	----	----	----	39.10N	38.40-	70	.209	----	----	242	UNCH	----	----
2625	----	----	----	42.90N	41.90-	100	.230	----	----	2	UNCH	----	----
2650	----	----	----	47.00N	45.80-	120	.252	----	----	163	UNCH	----	----
2675	----	----	----	51.60N	50.20-	140	.278	----	----	104	UNCH	----	----
2700	----	----	----	56.50N	55.10-	140	.305	----	----	10	UNCH	----	----
2750	----	----	----	68.10N	66.50-	160	.370	----	----	4	UNCH	----	----
TOTAL									0	2368			
MAR19		(FUTURES SETT. .00)											
1700	----	----	----	4.35N	4.35	UNCH	.015	----	----	45	UNCH	11.50	5.60
2000	----	----	----	11.00N	10.80-	20	.040	----	----	9	UNCH	15.50B	----
2100	----	----	----	14.60N	14.60	UNCH	.055	----	----	56	UNCH	20.80	20.80
2260	----	----	----	23.30N	22.90-	40	.089	----	----	45	UNCH	33.80	33.80
TOTAL									0	155			
JUN19		(FUTURES SETT. .00)											
1700	----	----	----	7.80N	7.80	UNCH	.023	----	----	15	UNCH	26.00	10.20
TOTAL									0	15			
EOM S&P 500 P													
JUL18	EOM S&P 500 P	(FUTURES SETT. .00)											
1025	----	----	----	----	CAB	----	----	----	----	50	UNCH	----	----
1100	----	----	----	----	CAB	----	----	----	----	100	UNCH	----	.75A
1300	----	----	----	----	CAB	----	----	----	----	52	UNCH	----	----
1325	----	----	----	----	CAB	----	----	----	----	2	UNCH	----	----
1450	----	----	----	----	CAB	----	----	----	----	65	UNCH	----	----
1550	----	----	----	----	CAB	----	----	----	----	125	UNCH	----	----
1600	----	----	----	----	CAB	----	----	----	----	177	UNCH	.35	.35
1650	----	----	----	----	CAB	----	----	----	----	177	UNCH	.55B	.35
1690	----	----	----	----	CAB	----	----	----	----	30	UNCH	----	----
1700	----	----	----	----	CAB	----	----	----	----	200	UNCH	.55	.30A
1730	----	----	----	----	CAB	----	----	----	----	50	UNCH	----	----
1790	----	----	----	----	CAB	----	----	----	----	50	UNCH	----	----
1800	----	----	----	----	CAB	----	----	----	----	310	UNCH	.50	.45
1900	----	----	----	----	CAB	----	.000	----	----	508	UNCH	1.50	.10
1920	----	----	----	----	CAB	----	.000	----	----	145	UNCH	.50	.50
1930	----	----	----	----	CAB	----	.000	----	----	410	UNCH	.10	.10
1960	----	----	----	----	CAB	----	.000	----	----	919	UNCH	.30	.30
1970	----	----	----	0.05N	CAB	----	.000	----	----	300	UNCH	.95	.15A
1975	----	----	----	0.05N	CAB	----	.000	----	----	88	UNCH	.20	.20
1980	----	----	----	0.05N	CAB	----	.000	----	----	125	UNCH	.20	.20
2000	----	CAB	CAB	----	.05	UNCH	.000	----	----	843 +	300	.20	.10A
2020	----	----	----	0.05N	.05	UNCH	.000	----	----	14	UNCH	.25	.25
2025	----	----	----	0.10N	.05-	5	.000	----	----	400	UNCH	.15	.15
2040	----	----	----	0.10N	.05-	5	.000	----	----	1389	UNCH	.20	.15
2050	----	----	----	0.10N	.05-	5	.000	----	----	450	UNCH	.20	.10A
2100	----	----	----	0.10N	.10	UNCH	.000	----	----	432	UNCH	----	----
2110	----	----	----	0.10N	.10	UNCH	.000	----	----	100	UNCH	.25	.25
2190	----	----	----	0.15N	.10-	5	.000	----	----	35	UNCH	.30	.30
2200	0.10	.10	*.10	0.10	.10-	5	.001	----	1089	1230 +	1074	3.15	.10
2210	0.10	#.10	*.10	0.10	.10+	NEW	.001	----	72	72 +	72	.10	.10
2250	----	----	----	0.15N	.15	UNCH	.001	----	----	1	UNCH	1.50	1.30
2275	----	----	----	0.20N	.15-	5	.001	----	----	65	UNCH	1.70	.55
2300	----	----	----	0.25N	.20-	5	.002	----	----	241	UNCH	2.50	2.50
2350	----	----	----	0.30N	.20-	10	.002	----	----	288	UNCH	3.10	2.25
2365	----	----	----	0.30N	.25-	5	.003	----	----	250	UNCH	----	----
2370	----	----	----	0.30N	.25-	5	.003	----	----	250	UNCH	----	----
2375	0.25	#.25	*.25	0.25	.30	UNCH	.003	----	1310	716 -	619	.25	.25
2390	----	----	----	0.35N	.30-	5	.003	----	----	498	UNCH	----	----
2400	----	----	----	0.35N	.30-	5	.003	----	----	364	UNCH	3.40	3.40
2410	----	----	----	0.35N	.30-	5	.004	----	----	2	UNCH	----	----
2420	0.25	#.25	*.25	0.25	.35+	NEW	.004	----	3	3 +	3	.25	.25
2425	----	----	----	0.40N	.35-	5	.004	----	----	218	UNCH	----	----
2430	----	----	----	0.40N	.35-	5	.004	----	----	3	UNCH	----	----
2450	----	----	----	0.50N	.40-	10	.005	----	----	4	UNCH	----	----
2465	----	----	----	0.50N	.40-	10	.005	----	----	4	UNCH	----	----
2475	----	----	----	0.50N	.40-	10	.006	----	----	8	UNCH	1.25	.60A
2485	----	----	----	0.55N	.45-	10	.006	----	----	1	UNCH	----	----
2500	----	----	----	0.60N	.50-	10	.007	----	----	299	UNCH	3.60	1.40
2510	----	----	----	0.60N	.50-	10	.008	----	----	468	UNCH	----	----
2515	----	----	----	0.60N	.55-	5	.008	----	----	58	UNCH	1.85	1.85
2520	----	----	----	0.65N	.55-	10	.009	----	----	10	UNCH	----	----
2525	----	----	----	0.65N	.55-	10	.009	----	----	4	UNCH	----	----
2540	----	----	----	0.70N	.60-	10	.010	----	----	137	UNCH	2.85	1.85
2545	----	----	----	0.75N	.60-	15	.010	----	----	12	UNCH	----	----
2550	----	----	----	0.75N	.65-	10	.011	----	----	1552	UNCH	2.15	2.15
2560	----	----	----	0.85N	.65-	20	.011	----	----	306	UNCH	1.40	1.40
2565	----	----	----	0.85N	.70-	15	.012	----	----	78	UNCH	1.45	1.45
2575	----	----	----	0.90N	.70-	20	.013	----	----	71	UNCH	2.50	2.50
2580	----	----	----	0.90N	.75-	15	.014	----	----	16	UNCH	----	----
2600	0.95	#.95	*.95	0.95	.85-	20	.017	----	300	1244 +	300	.95	.95
2610	----	----	----	1.15N	.90-	25	.018	----	----	20	UNCH	----	----
2625	----	----	----	1.25N	.95-	30	.020	----	----	30	UNCH	----	----
2650	----	----	----	1.55N	1.20-	35	.027	----	----	35	UNCH	----	----
2675	----	----	----	1.90N	1.50-	40	.037	----	----	30	UNCH	----	----
2700	----	----	----	2.50N	1.90-	60	.051	----	----	351	UNCH	----	8.60A
2705	----	----	----	2.65N	2.00-	65	.055	----	----	32	UNCH	----	----
2715	----	----	----	3.00N	2.30-	70	.064	----	----	275	UNCH	9.80	9.80
2720	----	----	----	3.15N	2.45-	70	.070	----	----	34	UNCH	6.40	4.35
2725	----	----	----	3.40N	2.60-	80	.075	----	----	305	UNCH	11.10	11.00
2735	----	----	----	3.95N	2.95-	100	.089	----	----	32	UNCH	----	----
2740	----	----	----	4.30N	3.15-	115	.096	----	6	296 +	6	----	----
2750	----	----	----	5.10N	3.70-	140	.117	----	12	73 +	12	27.60	27.60
2760	----	----	----	6.00N	4.55+	NEW	.145	----	6	6 +	6	----	----
TOTAL									2798	17538 +	1154		
AUG18	EOM S&P 500 P	(FUTURES SETT. .00)											
100	----	----	----	----	CAB	----	----	----	----	45	UNCH	----	----
500	----	----	----	----	CAB	----	----	----	----	8	UNCH	.10	.10
1910	----	----	----	0.60N	.60	UNCH	.003	----	----	2	UNCH	1.30	1.30
2100	----	----	----	0.95N	1.00+	5	.007	----	----	45	UNCH	----	----
2200	----	----	----	1.35N	1.35	UNCH	.011	----	----	245	UNCH	7.30	1.50
2400	----	----	----	2.65N	2.50-	15	.025	----	----	750	UNCH	----	----
2410	----	----	----	2.75N	2.60-	15	.026	----	----	250	UNCH	----	----
2415	----	----	----	2.80N	2.65-	15	.027	----	----	250	UNCH	----	----
2425	----	----	----	2.90N	2.75-	15	.028	----	----	1035	UNCH	----	----
2430	----	----	----	3.00N	2.80-	20	.029	----	----	163	UNCH	----	----
2450	----	----	----	3.25N	3.05-	20	.032	----	----	320	UNCH	----	----

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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S&P 500 PUT OPTIONS

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FINAL

2500	----	----	----	4.05N	3.75-	30	.042	----	225	787 -	221	----	----
2550	----	----	----	5.20N	4.80-	40	.057	----	----	12	UNCH	----	----
2590	----	----	----	6.30N	6.00-	30	.074	----	----	134	UNCH	----	----
2675	----	----	----	10.70N	10.00-	70	.137	----	275	855 -	145	----	----
TOTAL									500	4901 -	366		
SEP18		(FUTURES SETT.	.00)										
100	----	----	----	----	CAB	----	----	----	----	10	UNCH	----	----
500	----	----	----	----	CAB	----	.000	----	----	50	UNCH	----	----
1300	----	----	----	0.20N	.25+	5	.001	----	----	2575	UNCH	.35	.35
2100	----	----	----	2.15N	2.20+	5	.014	----	----	2080	UNCH	4.05	4.05
2425	----	----	----	6.60N	6.40-	20	.052	----	----	545	UNCH	----	----
2440	----	----	----	7.10N	6.80-	30	.056	----	----	295	UNCH	----	----
2450	----	----	----	7.40N	7.10-	30	.059	----	----	545	UNCH	----	----
2500	----	----	----	9.10N	8.80-	30	.075	----	----	50	UNCH	----	----
2550	----	----	----	11.40N	10.80+	NEW	.096	----	275	275 +	275	----	----
2650	----	----	----	18.60N	17.80+	NEW	.168	----	50	50 +	50	----	----
2725	----	----	----	28.20N	26.80+	NEW	.263	----	225	225 +	225	----	----
TOTAL									550	6700 +	550		
OCT18		(FUTURES SETT.	.00)										
500	----	----	----	----	CAB	----	.000	----	----	10	UNCH	.10	.10
2050	----	----	----	3.50N	3.45-	5	.019	----	----	535	UNCH	----	----
2075	----	----	----	3.80N	3.70-	10	.020	----	----	2605	UNCH	----	----
2100	----	----	----	4.10N	3.95-	15	.022	----	----	5590	UNCH	----	----
2475	----	----	----	15.00N	14.30+	NEW	.096	----	20	20 +	20	----	----
2500	----	----	----	16.40N	15.90-	50	.108	----	----	10	UNCH	----	----
2525	----	----	----	18.00N	17.40+	NEW	.120	----	20	20 +	20	----	----
2625	----	----	----	27.30N	26.20+	NEW	.188	----	20	20 +	20	----	----
2650	----	----	----	30.40N	29.20+	NEW	.211	----	20	20 +	20	----	----
TOTAL									80	8830 +	80		
NOV18		(FUTURES SETT.	.00)										
100	----	----	----	----	CAB	----	----	----	----	18	UNCH	----	----
2100	----	----	----	5.70N	5.80+	10	.029	----	----	18	UNCH	----	----
TOTAL									0	36			

E-MINI S&P 500 FIXING PRICE (ESF): Sep18 2816.98

ADDITIONAL S&P PUTS

STRIKE	OPEN RANGE	HIGH	LOW	CLOSING RANGE	SETT.PRICE	& PT.CHGE.	DELTA	EXER CISES	VOLUME TRADES CLEARED	OPEN INTEREST		--CONTRACT-- HIGH	LOW
EOW3 S&P 500 P													
JUL18	EOW3 S&P 500 P	(FUTURES SETT.	.00)										
100	----	----	----	----	CAB	----	----	----	----	544	UNCH	----	----
1000	----	----	----	----	CAB	----	----	----	----	15	UNCH	.25	.25
1025	----	----	----	----	CAB	----	----	----	----	7	UNCH	----	----
1200	----	----	----	----	CAB	----	----	----	----	1000	UNCH	----	.10A
1275	----	----	----	----	CAB	----	----	----	----	59	UNCH	----	----
1300	----	----	----	----	CAB	----	----	----	----	85	UNCH	----	----
1350	----	----	----	----	CAB	----	----	----	----	211	UNCH	.35	.35
1400	----	----	----	----	CAB	----	----	----	----	2030	UNCH	.65	.10
1425	----	----	----	----	CAB	----	----	----	----	75	UNCH	.15	.15
1450	----	----	----	----	CAB	----	----	----	----	300	UNCH	.15B	----
1475	----	----	----	----	CAB	----	----	----	----	118	UNCH	----	----
1500	----	----	----	----	CAB	----	----	----	----	1002	UNCH	.35	.35
1525	----	----	----	----	CAB	----	----	----	----	500	UNCH	.10	.10
1575	----	----	----	----	CAB	----	----	----	----	145	UNCH	.40	.40
1600	----	----	----	----	CAB	----	----	----	----	835	UNCH	.45	.10
1625	----	----	----	----	CAB	----	----	----	----	50	UNCH	----	----
1670	----	----	----	----	CAB	----	----	----	----	30	UNCH	----	----
1680	----	----	----	----	CAB	----	----	----	----	30	UNCH	----	----
1700	----	----	----	----	CAB	----	----	----	----	177	UNCH	.35	.35
1750	----	----	----	----	CAB	----	----	----	----	72	UNCH	----	----
1825	----	----	----	----	CAB	----	----	----	----	26	UNCH	----	----
1890	----	----	----	----	CAB	----	----	----	----	80	UNCH	----	----
1920	----	----	----	----	CAB	----	----	----	----	80	UNCH	----	----
1925	----	----	----	----	CAB	----	----	----	----	58	UNCH	----	----
1950	----	----	----	----	CAB	----	----	----	----	20	UNCH	----	----
1975	----	----	----	----	CAB	----	----	----	----	20	UNCH	----	.30A
2000	----	----	----	----	CAB	----	----	----	----	310	UNCH	----	----
2025	----	----	----	----	CAB	----	----	----	----	205	UNCH	.45	.25
2030	----	----	----	----	CAB	----	----	----	----	40	UNCH	.15	.15
2050	----	----	----	----	CAB	----	----	----	----	2220	UNCH	.15	.15
2060	----	----	----	----	CAB	----	----	----	----	50	UNCH	----	----
2075	----	----	----	----	CAB	----	----	----	----	150	UNCH	4.25	.85
2090	----	----	----	----	CAB	----	----	----	----	4	UNCH	16.00	16.00
2100	----	----	----	----	CAB	----	----	----	----	3127	UNCH	3.95	.95
2125	----	----	----	----	CAB	----	----	----	----	100	UNCH	----	----
2140	----	----	----	----	CAB	----	----	----	----	20	UNCH	.55	.55
2150	----	----	----	----	CAB	----	----	----	----	3224	UNCH	3.90	2.10
2160	----	----	----	----	CAB	----	----	----	----	100	UNCH	----	----
2175	----	----	----	----	CAB	----	----	----	----	1625	UNCH	----	----
2180	----	----	----	----	CAB	----	----	----	----	43	UNCH	.25	.25
2190	----	----	----	----	CAB	----	----	----	----	54	UNCH	----	----
2200	----	----	----	----	CAB	----	----	----	----	4544	UNCH	3.00	.10
2210	----	----	----	----	CAB	----	----	----	----	295	UNCH	.25	.10
2225	----	----	----	----	CAB	----	----	----	----	3523	UNCH	3.80	.10
2230	----	----	----	----	CAB	----	----	----	----	50	UNCH	----	----
2250	----	----	----	----	CAB	----	----	----	----	1833	UNCH	----	----
2260	----	----	----	----	CAB	----	----	----	----	51	UNCH	----	----
2270	----	----	----	----	CAB	----	----	----	----	150	UNCH	1.40	1.40
2275	----	----	----	----	CAB	----	----	----	----	675	UNCH	.10	.10
2290	----	----	----	----	CAB	----	----	----	----	6	UNCH	1.75	1.75
2300	----	----	----	----	CAB	----	----	----	----	8570	UNCH	3.60	.10
2310	----	----	----	----	CAB	----	----	----	----	1500	UNCH	.10	.10
2325	----	----	----	----	CAB	----	----	----	----	9314	UNCH	.10	.10
2330	----	----	----	----	CAB	----	----	----	----	17	UNCH	----	----
2335	----	----	----	----	CAB	----	----	----	----	33	UNCH	.20	.20
2345	----	----	----	----	CAB	----	----	----	----	45	UNCH	----	----
2350	----	----	----	----	CAB	----	----	----	----	6122	UNCH	20.20	.10
2365	----	----	----	----	CAB	----	----	----	----	651	UNCH	6.50	.25
2370	----	----	----	----	CAB	----	----	----	----	400	UNCH	.25	.25
2375	----	----	----	----	CAB	----	----	----	----	2264	UNCH	4.10	.10
2380	----	----	----	----	CAB	----	----	----	----	200	UNCH	.25	.25
2385	----	----	----	----	CAB	----	----	----	----	16	UNCH	----	----
2390	----	----	----	----	CAB	----	----	----	----	14	UNCH	2.00	2.00
2400	----	----	----	----	CAB	----	----	----	----	5355	UNCH	21.20	.10
2410	----	----	----	----	CAB	----	----	----	----	2753	UNCH	.35	.25
2415	----	----	----	----	CAB	----	----	----	----	40	UNCH	----	----
2420	----	----	----	----	CAB	----	----	----	----	505	UNCH	.25	.25
2425	----	----	----	----	CAB	----	----	----	----	785	UNCH	.25	.10
2430	----	----	----	----	CAB	----	----	----	----	1	UNCH	----	----
2435	----	----	----	----	CAB	----	----	----	----	29	UNCH	4.10	4.10
2440	----	----	----	----	CAB	----	----	----	----	1936	UNCH	.25	.10
2445	----	----	----	----	CAB	----	----	----	----	3	UNCH	----	----
2450	----	----	----	----	CAB	----	----	----	----	5674	UNCH	2.55	.10
2455	----	----	----	----	CAB	----	----	----	----	31	UNCH	4.00	4.00
2460	----	----	----	----	CAB	----	----	----	----	3802	UNCH	.35	.10A
2465	----	----	----	----	CAB	----	----	----	----	5	UNCH	----	----
2470	----	----	----	----	CAB	----	----	----	----	941	UNCH	.40	.10
2475	----	----	----	.05N	CAB	----	----	----	----	3077	UNCH	.20	.10
2480	----	----	----	.05N	CAB	----	----	----	----	30	UNCH	5.80	.10
2485	----	----	----	.05N	CAB	----	----	----	----	767	UNCH	.20	.10
2490	----	----	----	.05N	.05	UNCH	----	----	----	4	UNCH	3.20	.15A
2500	----	CAB	CAB	----	.05	UNCH	----	----	1	1517	UNCH	4.20	.15
2505	----	----	----	.05N	.05	UNCH	----	----	----	5	UNCH	----	----
2510	----	----	----	.05N	.05	UNCH	----	----	----	10	UNCH	.15	.15
2520	----	----	----	.05N	.05	UNCH	----	----	----	1403	UNCH	----	----
2525	----	CAB	CAB	----	.05	UNCH	----	----	50	1194 +	50	.50	.20
2530	----	----	----	.05N	.05	UNCH	----	----	----	63	UNCH	----	----
2540	----	----	----	.05N	.05	UNCH	----	----	----	27	UNCH	4.15	.20A
2545	----	----	----	.05N	.05	UNCH	----	----	----	5	UNCH	----	----
2550	----	CAB	CAB	----	.05	UNCH	----	----	1100	3572 +	1100	4.40	.15
2560	----	----	----	.05N	.05	UNCH	----	----	----	500	UNCH	.10	.10
2565	----	----	----	.05N	.05	UNCH	----	----	----	6	UNCH	6.00	6.00
2570	----	----	----	.10N	.05-	0.05	----	----	----	705	UNCH	.20	.20
2575	----	----	----	.10N	.05-	0.05	----	----	----	965	UNCH	----	----
2590	----	----	----	.10N	.05-	0.05	----	----	----	174	UNCH	1.10	1.10
2595	----	----	----	.10N	.05-	0.05	----	----	----	100	UNCH	.30	.30
2600	----	----	----	.10N	.05-	0.05	----	----	----	2171	UNCH	7.00	.15
2625	----	----	----	.15N	.05-	0.10	.000	----	----	304	UNCH	----	----
2635	----	----	----	.15N	.05-	0.10	.000	----	1	1	UNCH	15.00	15.00
2640	----	----	----	.15N	.05-	0.10	.000	----	----	350	UNCH	----	.90A
2645	----	----	----	.20N	.05-	0.15	.000	----	----	259	UNCH	.90	.90
2650	.10	.10	*.10	.10	.05-	0.15	.000	----	625	1105 +	465	1.25	.10
2655	----	----	----	.20N	.10-	0.10	.000	----	----	259	UNCH	.90	.90
2660	----	----	----	.20N	.10-	0.10	.000	----	200	201 -	16	----	----
2670	----	----	----	.20N	.10-	0.10	.000	----	----	37	UNCH	----	----

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FINAL

2675	----	----	----	.20N	.10-	0.10	.000	----	----	63	UNCH	----	----
2680	.10	.10	*.10	.10	.10-	0.15	.000	----	254	807 +	254	.25	.10
2685	----	----	----	.25N	.10-	0.15	.001	----	----	136	UNCH	----	----
2700	.15	.15	*.15	.15	.15-	0.10	.001	----	800	1661 -	273	29.90	.15
2705	.20	#.20	*.20	.20	.15	NEW	.001	----	500	500 +	500	.20	.20
2710	.15	#.15	*.15	.15	.15-	0.15	.002	----	160	230 +	153	.15	.15
2715	----	----	----	.35N	.20-	0.15	.003	----	----	67	UNCH	----	----
2720	----	----	----	.35N	.20-	0.15	.003	----	----	303	UNCH	.90	.90
2725	----	----	----	.40N	.20-	0.20	.003	----	600	677 +	600	----	----
2730	----	----	----	.40N	.25-	0.15	.004	----	----	607	UNCH	----	----
2740	----	----	----	.50N	.25-	0.25	.005	----	----	188	UNCH	.50	.50
2745	----	----	----	.55N	.30-	0.25	.007	----	----	5	UNCH	----	----
2750	----	----	----	.65N	.30-	0.35	.007	----	----	513	UNCH	4.40	.90
2760	.35	#.35	*.35	.35	.40	NEW	.012	----	50	50 +	50	.35	.35
2775	----	----	----	1.55N	.65-	0.90	.026	----	----	516	UNCH	----	8.50A
2780	----	----	----	1.90N	.80-	1.10	.036	----	200	334 -	160	5.10	5.00
2795	----	----	----	3.80N	1.75	NEW	.109	----	200	200 +	200	----	----
2800	4.50	#4.50	*2.40	2.40	2.40-	2.45	.162	----	14	184 -	1	4.50	2.40
2810	----	----	----	8.20N	4.55-	3.65	.340	----	----	1	UNCH	----	----
3000	----	----	----	188.70N	184.00-	4.70	1.000	----	----	15	UNCH	----	----
3025	----	----	----	213.70N	209.00-	4.70	1.000	----	----	7	UNCH	----	----
TOTAL									0	106849 +	2922		
AUG18	EOW3 S&P 500 P	(FUTURES SETT.	.00)										
100	----	----	----	----	CAB	----	----	----	----	410	UNCH	----	----
1450	----	----	----	.10N	.10	UNCH	.000	----	----	200	UNCH	.25	.25
1500	----	----	----	.10N	.10	UNCH	.000	----	----	200	UNCH	----	----
1600	.15	#.15	*.15	.15	.15	UNCH	.000	----	720	720 +	720	.15	.15
1610	----	----	----	.15N	.15	UNCH	.000	----	----	100	UNCH	.25	.25
1700	.20	#.20	*.20	.20	.20	UNCH	.001	----	50	50 +	50	.20	.20
1725	.20	#.20	*.20	.20	.25	NEW	.001	----	50	50 +	50	.20	.20
1860	----	----	----	.35N	.35	UNCH	.002	----	----	100	UNCH	----	----
2000	----	----	----	.50N	.50	UNCH	.003	----	----	5	UNCH	----	----
2100	.60	#.60	*.60	.60	.55	UNCH	.004	----	50	1364 +	25	.60	.60
2150	----	----	----	.65N	.70+	0.05	.005	----	----	1986	UNCH	4.05	3.75
2200	----	----	----	.75N	.80+	0.05	.007	----	----	5095	UNCH	1.10	.85
2220	----	----	----	.80N	.85+	0.05	.007	----	----	6	UNCH	6.00	6.00
2240	----	----	----	.85N	.90+	0.05	.008	----	----	52	UNCH	----	----
2250	----	----	----	.90N	.90	UNCH	.008	----	----	150	UNCH	----	----
2275	----	----	----	.95N	.95	UNCH	.009	----	----	250	UNCH	3.70	3.70
2280	----	----	----	.95N	.95	UNCH	.009	----	----	80	UNCH	1.25	1.25
2290	----	----	----	1.00N	1.00	UNCH	.009	----	----	1	UNCH	----	----
2300	1.10	#1.10	*1.10	1.10	1.05	UNCH	.010	----	90	684 +	90	1.10	1.10
2340	----	----	----	1.25N	1.20-	0.05	.012	----	----	1	UNCH	----	----
2350	----	----	----	1.25N	1.25	UNCH	.013	----	50	625 +	49	10.50	1.80
2365	----	----	----	1.30N	1.30	UNCH	.014	----	----	250	UNCH	----	----
2370	----	----	----	1.35N	1.35	UNCH	.014	----	----	261	UNCH	2.20	2.20
2375	----	----	----	1.40N	1.35-	0.05	.014	----	----	1345	UNCH	----	----
2385	----	----	----	1.45N	1.40-	0.05	.015	----	----	50	UNCH	----	----
2400	----	----	----	1.55N	1.45-	0.10	.016	----	----	400	UNCH	----	----
2425	----	----	----	1.65N	1.60-	0.05	.018	----	----	1574	UNCH	----	----
2450	----	----	----	1.85N	1.75-	0.10	.021	----	----	603	UNCH	----	----
2460	----	----	----	1.90N	1.80-	0.10	.022	----	----	12	UNCH	----	----
2470	----	----	----	2.00N	1.90-	0.10	.023	----	----	5	UNCH	----	----
2475	----	----	----	2.05N	1.95-	0.10	.024	----	----	20	UNCH	11.00	11.00
2480	----	----	----	2.10N	2.00-	0.10	.025	----	----	3	UNCH	----	----
2490	----	----	----	2.20N	2.05-	0.15	.026	----	----	57	UNCH	----	----
2500	----	----	----	2.30N	2.15-	0.15	.027	----	----	526	UNCH	3.70	3.70
2515	----	----	----	2.50N	2.30-	0.20	.030	----	----	4	UNCH	----	----
2525	----	----	----	2.60N	2.40-	0.20	.032	----	----	318	UNCH	----	----
2535	----	----	----	2.75N	2.50-	0.25	.034	----	----	1	UNCH	----	----
2550	----	----	----	2.95N	2.70-	0.25	.037	----	945	1175 +	910	----	----
2575	----	----	----	3.35N	3.05-	0.30	.044	----	----	350	UNCH	----	----
2595	----	----	----	3.70N	3.40-	0.30	.051	----	----	7	UNCH	6.00	6.00
2600	----	----	----	3.80N	3.50-	0.30	.053	----	----	811	UNCH	----	----
2625	----	----	----	4.50N	4.10-	0.40	.064	----	----	519	UNCH	----	----
2630	----	----	----	4.65N	4.25-	0.40	.067	----	----	1	UNCH	----	----
2650	----	----	----	5.40N	4.85-	0.55	.079	----	----	301	UNCH	----	----
2675	----	----	----	6.50N	5.90-	0.60	.100	----	----	8	UNCH	----	----
2680	6.00	#6.00	*6.00	6.00	6.10	NEW	.104	----	7	7 +	7	6.00	6.00
2700	----	----	----	8.00N	7.30-	0.70	.128	----	50	418 +	UNCH	----	----
2710	----	----	----	8.80N	8.00-	0.80	.142	----	----	1	UNCH	35.00	15.00A
2715	----	----	----	9.20N	8.40-	0.80	.150	----	----	137	UNCH	----	----
2720	----	----	----	9.70N	8.80	NEW	.158	----	315	315 +	315	----	----
2725	----	----	----	10.20N	9.20-	1.00	.166	----	----	500	UNCH	----	----
2740	----	----	----	11.90N	10.80-	1.10	.198	----	----	50	UNCH	----	----
2750	13.50	#13.50	*13.50	13.50	12.10-	1.10	.222	----	2	576 +	2	13.50	13.50
2760	----	----	----	14.70N	13.40-	1.30	.249	----	25	55 +	25	----	----
2775	----	----	----	17.60N	15.90-	1.70	.298	----	----	50	UNCH	----	----
2800	----	----	----	24.40N	22.10-	2.30	.407	----	25	171 +	25	----	----
TOTAL									0	23010 +	2268		
OCT18	EOW3 S&P 500 P	(FUTURES SETT.	.00)										
1400	----	----	----	.40N	.45+	0.05	.001	----	----	1100	UNCH	.70	.70
1950	----	----	----	2.00N	2.00	UNCH	.011	----	----	2	UNCH	3.30	3.30
2050	----	----	----	2.75N	2.70-	0.05	.015	----	----	5	UNCH	----	----
2075	----	----	----	2.90N	2.85-	0.05	.017	----	----	260	UNCH	----	----
2100	----	----	----	3.15N	3.10-	0.05	.018	----	----	1860	UNCH	----	----
2200	----	----	----	4.40N	4.30-	0.10	.027	----	----	1	UNCH	11.40	11.40
2230	----	----	----	4.85N	4.75-	0.10	.030	----	----	1	UNCH	9.90	9.90
2250	----	----	----	5.20N	5.10-	0.10	.033	----	----	5	UNCH	----	----
2375	----	----	----	8.30N	7.90-	0.40	.055	----	----	20	UNCH	----	----
2400	----	----	----	9.10N	8.60-	0.50	.061	----	----	105	UNCH	----	----
2425	----	----	----	10.10N	9.60-	0.50	.068	----	----	21	UNCH	20.20	20.20
2575	----	----	----	18.50N	17.70-	0.80	.136	----	----	12	UNCH	----	----
2600	----	----	----	20.70N	19.90-	0.80	.154	----	----	14	UNCH	----	----
2625	----	----	----	23.00N	22.30	NEW	.174	----	450	450 +	450	----	----
2725	----	----	----	37.20N	35.90-	1.30	.291	----	----	1	UNCH	----	----
2750	----	----	----	42.40N	40.90-	1.50	.333	----	----	15	UNCH	----	----
2800	----	----	----	55.80N	53.60	NEW	.438	----	40	40 +	40	----	----
2850	----	----	----	75.40N	72.50	NEW	.574	----	40	40 +	40	----	----
TOTAL									0	3952 +	530		
MDV MID													
JUL18	MDV MID	(FUTURES SETT.	.00)										
2175	----	----	----	----	CAB	----	----	----	----	600	UNCH	----	----
2200	----	----	----	----	CAB	----	----	----	----	500	UNCH	----	----
2275	----	----	----	----	CAB	----	----	----	----	200	UNCH	.10	.10
2300	----	----	----	.05N	CAB	----	----	----	----	1820	UNCH	.10	.10
2545	.20	#.20	*.20	.20	.15	NEW	.002	----	100	100 +	100	.20	.20
2565	----	----	*.30A	.30A	.20-	0.15	.003	----	----	465	UNCH	.35	.30A
2575	----	----	----	.35N	.20-	0.15	.003	----	----	200	UNCH	.35	.35
2575	----	----	----	----	CAB	----	----	----	50	----	100	----	----
2650	----	----	----	----	CAB	----	----	----	100	----	100	.10	.10
2670	----	----	----	.05N	CAB	----	----	----	250	----	515	----	----
2675	----	----	----	.05N	CAB	----	----	----	100	----	704	.10	.10
2710	----	----	----	.05N	CAB	----	----	----	265	----	533	----	----
2730	----	----	----	.05N	CAB	----	----	----	2	----	103	.20	.20
2750	----	----	----	.10N	CAB	----	----	----	2	----	UNCH	----	----
TOTAL									0	3885 -	3937		
MMV MID													
JUL18	MMV MID	(FUTURES SETT.	.00)										
2250	----	----	----	----	CAB	----	----	----	----	60	UNCH	----	----
2300	----	----	----	----	CAB	----	----	----	----	700	UNCH	----	----
2350	----	----	----	----	CAB	----	----	----	----	1000	UNCH	.10	.10
2375	----	----	----	----	CAB	----	----	----	----	500	UNCH	.10	.10
2445	----	----	----	.05N	CAB	----	----	----	----	50	UNCH	.15	.15
2450	----	----	----	.05N	CAB	----	----	----	----	300	UNCH	.15	.15
2500	----	----	----	.05N	CAB	----	.000	----	----	329	UNCH	.10	.10
2520	----	----	----	.10N	CAB	----	.000	----	----	600	UNCH	.15	.15
2575	.10	#.10	*.10	.10	.05	NEW	.000	----	40	40 +	40	.10	.10
2710	----	----	----	.55N	.30	NEW	.009	----	2	2 +	2	----	----
2740	----	----	----	1.00N	.55	NEW	.022	----	2	2 +	2	----	----
TOTAL									0	3583 +	44		

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