

COMMODITY NUMBERLINE

	11/13	11/14	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	12/26	30	29
Euro\$[ED]	95230	95280	95325	95365	95430	95335	95305	95300	95295	95280	95275	95340	95255	95265		
8:20AM - 3:00PM	U8	U8	Z8	Z8	Z8	Z8	Z8	Z8	Z8	Z8	Z8	Z8	Z8	Z8		
net	-20	50	-85	40	65	-95	-30	-5	-5	-15	-5	65	-85	10		
BIAS	n	n	b	b	N	S	s	s	s	s	s	s	s	s		
DSI	75	77	73	73	75	70	68	68	68	68	67	69	67	67		
plus-	-1	0	0	0	0	-1	0	0	0	-1	0	0	0	0		
ABCD	-2	2	-2	2	2	-2	-2	2	0	-2	0	2	-3	0	-1	0
12 day Cum +/-	-1	-1	1	1	1	-1	-1	-1	-1	-2	-2	-2	-2	-2		
12 day Cum ABCD	0	0	0	2	4	2	-2	0	-2	-6	-6	-2	-5	-3		
30 day Cum +/-	-2	-3	1	1	1	0	0	0	0	-1	-1	-1	-1	-1		
30 day Cum ABCD	-5	-3	-2	-2	2	-2	-6	-2	0	-2	-4	-2	-5	-5		
# needed to +/-9	-4	-4											-4		-3	187
Cocoa	11/10	11/13	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	12/26	30	29
8:00AM - 11:50AM	1509	1500	1638	1652	1644	1669	1680	1650	1657	1691	1628	1645	1627	1621		
net	Z6	Z6	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7		
BIAS	b	b	b	b	b	b	b	b	b	b	b	b	b	b		
DSI	51	51	77	78	74	76	78	71	72	77	64	67	63	62		
plus-	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0
ABCD	0	0	2	2	-2	2	0	-2	2	0	-2	2	0	-2	7	0
12 day Cum +/-	1	1	1	1	1	2	1	1	1	1	0	0	-1	-1		
12 day Cum ABCD	4	2	10	12	10	14	12	8	8	6	6	6	4	2		
30 day Cum +/-	-3	-3	2	2	3	2	2	2	2	2	0	0	0	0		
30 day Cum ABCD	-5	-5	11	11	11	11	11	11	11	13	11	11	9	7		
# needed to +/-9															12/11	252
															9	264
Coffee	11/10	11/13	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	12/26	30	29
9:15AM - 12:30PM	12005	11945	12585	12865	12775	12885	12890	12540	12445	12300	12675	12635	12540	12770		
net	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7		
BIAS	b	b	B	b	b	b	b	b	b	N	n	n	n	n		
DSI	77	76	82	86	86	85	84	78	77	75	79	79	77	78		
plus-	-1	0	1	1	0	1	0	-1	0	0	0	0	0	0	2	0
ABCD	-2	0	0	2	0	0	0	-2	-2	0	2	-2	0	0	-4	0
12 day Cum +/-	2	2	1	2	2	3	3	2	2	2	3	3	3	2		
12 day Cum ABCD	4	4	2	4	4	4	4	3	1	-1	3	-2	-2	-2		
30 day Cum +/-	2	3	4	5	4	5	5	3	3	3	3	3	2	2		
30 day Cum ABCD	2	4	4	6	6	6	6	2	0	0	2	0	-2	-4		
# needed to +/-9				3	3	3									-2	978
Cotton	11/10	11/13	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	12/26	30	29
10:30AM - 2:15PM	4909	4783	5273	5429	5448	5434	5518	5496	5481	5503	5462	5537	5578	5661		
net	Z6	Z6	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7		
BIAS	n	S	b	b	b	b	b	b	b	b	b	b	b	b		
DSI	25	16	26	33	34	34	41	41	43	44	40	47	55	61		
plus-	-1	0	0	1	1	0	0	0	0	0	0	0	0	0	2	0
ABCD	-2	-2	0	2	2	-2	2	-2	0	-2	-4	2	0	2	-4	0
12 day Cum +/-	-1	-1	0	0	1	1	1	1	1	1	1	1	1	2		
12 day Cum ABCD	10	6	0	0	2	-2	2	2	0	-4	-8	-4	-4	0		
30 day Cum +/-	-1	-1	0	1	2	3	3	3	2	2	2	2	2	2		
30 day Cum ABCD	7	5	8	8	8	8	10	8	6	2	-6	-4	-4	-4		
# needed to +/-9	2	2									-3		-3		-2	350
Orange Juice	11/10	11/13	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	12/26	30	29
10:00AM - 1:30PM	19465	19430	20815	19840	19830	20015	19900	20335	20140	19700	19850	19800	19800	19575		
net	F7	F7	F7	F7	F7	F7	F7	F7	F7	F7	F7	F7	F7	H7		
BIAS	n	n	n	n	n	n	n	n	n	n	S	s	s	s		
DSI	86	86	85	77	75	77	77	80	78	73	71	71	70	72		
plus-	-1	0	0	0	0	1	-1	1	0	0	0	0	-1	1	2	0
ABCD	-2	0	0	-2	0	2	0	2	0	-2	0	-2	0	0	2	0
12 day Cum +/-	1	1	3	3	3	3	1	2	2	2	2	1	0	1		
12 day Cum ABCD	0	0	4	2	2	2	2	2	0	0	0	-2	-2	-2		
30 day Cum +/-	1	1	3	3	3	4	3	4	3	3	3	2	1	2		
30 day Cum ABCD	-1	-1	6	4	4	6	4	8	6	4	6	2	2	2		
# needed to +/-9															12/5	373
															4	412
Sugar	11/10	11/13	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	12/26	30	29
9:00AM - 12:00PM	1185	1167	1137	1142	1137	1132	1132	1150	1203	1204	1199	1190	1192	1186		
net	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7		
BIAS	n	n	s	s	s	s	s	s	N	n	B	b	b	b		
DSI	32	32	22	19	18	17	22	31	34	34	32	32	33	33		
plus-	0	0	0	1	0	0	0	1	0	0	0	-1	0	0	1	0
ABCD	-2	0	0	0	0	0	0	2	0	0	0	0	0	0	-4	0
12 day Cum +/-	0	0	0	1	1	1	1	2	2	2	2	1	1	1		
12 day Cum ABCD	0	0	-4	-4	-4	-4	-4	-6	-4	-2	0	0	0	2		
30 day Cum +/-	1	1	0	1	1	1	1	2	2	3	3	2	1	1		
30 day Cum ABCD	4	6	-4	-4	-4	-2	-2	-2	0	2	0	0	-2	-4		
# needed to +/-9	3	1													-2	235
DXY	11/14	11/15	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	12/26	30	29
8:05AM - 3:00PM	8508	8521	8330	8309	8264	8306	8335	8375	8371	8316	8325	8326	8367	8382		
net	-11	13	53	-21	-14	42	29	40	-4	-55	9	1	41	15		
BIAS	s	s	s	N	n	n	n	n	B	b	b	b	b	b		
DSI	58	60	31	29	25	36	41	52	54	45	47	49	53	57		
plus-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0
ABCD	0	-2	4	-2	-2	0	2	0	2	-2	2	0	2	2	2	0
12 day Cum +/-	0	0	1	1	1	1	1	1	1	1	1	1	2	1		
12 day Cum ABCD	-3	-5	2	0	-2	-2	0	0	4	4	6	4	6	8		
30 day Cum +/-	2	2	1	1	2	2	2	1	1	1	1	1	2	2		
30 day Cum ABCD	-3	-3	-5	-7	-7	-7	-5	-5	-3	-5	-3	0	2	2		
# needed to +/-9		-4													4	440

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	11/14	11/15	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	12/26	30	29
EUROCURR[EC]	12846	12845	13204	13257	13335	13262	13208	13135	13152	13246	13230	13228	13194	13147		
2:30AM - 3:00PM	Z6	Z6	Z6	Z6	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7		
net	13	-1	-82	53	24	-73	-54	-73	17	94	-16	-2	-34	-47		
BIAS	b	b	b	b	b	b	N	n	S	N	S	s	s	s		
DSI	67	67	75	77	79	74	70	61	62	69	68	68	65	63		
plus-	0	0	0	0	0	-1	0	0	0	0	0	0	-1	0		
ABCD	0	0	-4	2	3	-2	-3	-2	-2	2	-2	-2	-2	-2	0	0
12 day Cum +/-	2	2	-2	-2	-2	-3	-3	-2	-2	-2	-2	-2	-3	-2		
12 day Cum ABCD	7	6	5	5	6	4	-1	-2	-6	-8	-10	-15	-15	-15		
30 day Cum +/-	0	0	0	0	0	-1	0	0	0	0	-1	0	-1	0		
30 day Cum ABCD	11	13	15	16	17	13	8	8	6	6	4	-1	-3	-3		
# needed to +/-9															0	1000
Sfranc	11/14	11/15	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	12/26	30	29
2:30AM - 3:00PM	8075	8050	8306	8329	8407	8359	8307	8253	8252	8302	8279	8286	8273	8237		
net	Z6	Z6	Z6	Z6	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7		
BIAS	13	-25	-61	-23	6	-48	-52	-54	-1	50	-23	7	-13	-36		
DSI	n	n	b	N	n	n	n	S	s	s	s	s	s	s		
plus-	64	63	77	78	79	73	67	55	55	61	61	62	60	59		
ABCD	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	+
12 day Cum +/-	0	-2	-4	3	3	-2	-2	-2	-2	2	-2	0	-2	-2	-1	+
12 day Cum ABCD	12	12	12	12	12	12	12	12	12	12	12	12	12	12		
30 day Cum +/-	2	0	2	3	4	2	0	0	-4	-6	-8	-10	-10	-10		
30 day Cum ABCD	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
# needed to +/-9	0	0	7	10	11	9	5	5	5	5	3	0	-1	-1	4	684
British Pound	11/14	11/15	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	12/26	30	29
2:30AM - 3:00PM	18975	18894	19524	19585	19706	19668	19617	19511	19495	19688	19650	19625	19611	19545		
net	Z6	Z6	Z6	Z6	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7		
BIAS	-42	-81	-97	61	113	-38	-51	-106	-16	193	-38	-25	-14	-66		
DSI	b	N	b	N	n	n	n	n	n	n	n	n	n	n		
plus-	60	56	70	73	78	73	70	64	62	71	71	67	64	62		
ABCD	0	0	0	0	0	0	0	0	0	1	0	0	-1	0	0	0
12 day Cum +/-	-2	-2	-4	0	2	-2	-2	-2	-2	2	-2	-2	-3	-2	-16	0
12 day Cum ABCD	0	0	-1	-1	-1	-1	-1	-1	-1	0	0	0	-1	0		
30 day Cum +/-	1	-3	-3	-3	-3	-5	-9	-9	-13	-15	-17	-16	-17	-17		
30 day Cum ABCD	-2	-2	0	0	-1	-1	-1	-1	-1	0	0	0	-1	0		
# needed to +/-9	5	3	0	-2	-2	-6	-10	-9	-9	-9	-11	-13	-16	-16	12/15	750
						-1									-12	762
Japanese Yen	11/14	11/15	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	12/26	30	29
7:20PM - 3:00PM	8548	8509	8596	8564	8665	8620	8592	8570	8566	8573	8551	8546	8504	8486		
net	Z6	Z6	Z6	Z6	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7		
BIAS	40	-39	-90	-32	-3	-45	-28	-22	-4	7	-22	-5	-42	-18		
DSI	n	n	b	N	S	s	s	s	s	s	s	s	s	s		
plus-	26	25	45	40	41	35	30	22	22	23	23	25	19	17		
ABCD	1	0	0	0	0	-1	0	0	0	0	0	0	0	0	1	+
12 day Cum +/-	2	-2	-3	-2	0	-2	-3	0	0	0	-2	0	-2	-2	-11	+
12 day Cum ABCD	2	2	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1		
30 day Cum +/-	-8	-8	-5	-9	-11	-11	-12	-9	-12	-12	-14	-16	-14	-16		
30 day Cum ABCD	3	3	3	3	2	1	1	1	1	0	0	0	0	1		
# needed to +/-9	-15	-17	-8	-8	-12	-14	-19	-16	-14	-16	-14	-11	-13	-11	12/13	750
			-3	3											-11	546
Canadian \$	11/14	11/15	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	12/26	30	29
8:20AM - 3:00PM	8796	8782	8698	8712	8703	8672	8668	8660	8662	8692	8733	8684	8664	8632		
net	Z6	Z6	Z6	Z6	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7		
BIAS	4	-14	-5	14	-32	-31	-4	-8	2	30	41	-49	-20	-32		
DSI	s	s	s	s	s	s	s	s	s	s	s	s	s	s		
plus-	56	55	33	34	27	21	20	20	19	22	27	21	17	13		
ABCD	0	0	0	0	0	-1	0	0	-1	0	0	0	0	0		
12 day Cum +/-	0	0	0	0	0	-2	0	-2	-2	2	-3	-2	-2	-2	-4	0
12 day Cum ABCD	2	2	0	0	0	-1	-1	-1	-2	-2	-2	-2	-2	-2	-23	0
30 day Cum +/-	1	3	-4	-2	-2	-4	-4	-6	-8	-4	-11	-11	-11	-13		
30 day Cum ABCD	4	4	0	0	-1	-2	-2	-2	-4	-4	-4	-5	-4	-4		
# needed to +/-9	8	5	-9	-7	-9	-11	-11	-13	-17	-14	-19	-23	-23	-23	12/13	470
			0												-21	480
Gold	11/10	11/13	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	12/26	30	29
8:20AM - 1:30PM	6301	6258	6310	6348	6317	6324	6309	6191	6179	6254	6243	6216	6223	6269		
net	Z6	Z6	G7	G7	G7	G7	G7	G7	G7	G7	G7	G7	G7	G7		
BIAS	-67	-43	-60	38	-31	7	-15	-118	-12	75	-11	-27	7	46		
DSI	b	b	n	S	s	s	s	s	s	s	s	s	s	s		
plus-	65	62	68	70	68	68	66	45	42	44	42	41	41	46		
ABCD	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	-1	0
12 day Cum +/-	0	0	0	0	0	0	0	-4	0	2	-2	0	0	0	-14	0
12 day Cum ABCD	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1		
30 day Cum +/-	12	12	-10	-8	-7	-7	-5	-9	-11	-9	-11	-8	-6	-6		
30 day Cum ABCD	0	1	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1		
# needed to +/-9	11	15	2	2	0	-2	-4	-10	-12	-14	-16	-16	-12	-14	12/18	756
															-12	657
Silver	11/10	11/13	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	12/26	30	29
8:25AM - 1:25PM	13115	12885	13895	14025	13980	13915	13950	12980	12525	12710	12645	12490	12635	12725		
net	Z6	Z6	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7		
BIAS	65	-230	-140	130	-45	-65	35	-970	-455	185	-65	-155	145	90		
DSI	b	b	s	s	s	s	s	N	n	B	b	b	b	b		
plus-	71	66	70	71	70	69	68	55	46	47	47	43	45	51		
ABCD	0	0	0	1	0	0	0	0	0	0	-1	0	0	0	0	0
12 day Cum +/-	0	2	0	2	0	0	-2	-2	-2	2	-2	-2	2	0	4	0
12 day Cum ABCD	1	1	0	1	1	1	1	1	1	1	0	1	1	0		
30 day Cum +/-	13	13	7	7	10	10	6	4	0	0	-3	-2	0	-4		
30 day Cum ABCD	3	3	1	2	2	2	1	1	1	1	0	0	0	0		
# needed to +/-9	15	19	21	21	22	21	16	12	8	10	6	4	6	4	11/3	1470
															2	1615

COMMODITY NUMBERLINE

	11/10	11/13	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	12/26	30	29
Platinum	12096	12039	11078	11092	11150	11078	11127	11045	11021	11185	11260	11243	11215	11320		
8:20AM - 1:05PM	F7	F7	F7	F7	F7	F7	F7	F7	F7	F7	F7	F7	F7	J7		
net	86	-57	-171	14	58	-72	49	-82	-24	164	75	-17	-28	0		
BIAS	b	b	s	s	s	s	s	s	s	s	N	n	n	n		
DSI	68	64	58	59	62	61	63	56	55	57	57	55	55	56		
plus-	0	0	0	0	0	0	0	-1	0	0	0	0	0	0		
ABCD	0	2	0	2	2	-2	0	-2	0	2	0	1	1	-2		0
12 day Cum +/-	0	0	-2	-1	-1	0	0	-1	-1	-1	-1	-1	-1	-1		
12 day Cum ABCD	19	21	-8	-2	2	3	3	-2	-4	0	2	5	6	2		
30 day Cum +/-	0	0	-1	-1	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2		
30 day Cum ABCD	12	14	12	14	14	12	9	5	2	4	0	-1	0	-5		
# needed to +/-9														-4		993
																-7
Copper	30885	30750	31120	31335	30945	30330	30575	30165	30295	30175	29545	28805	28540	28780		
8:10AM -1:00PM	Z6	Z6	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7		
net	-2205	-135	100	215	-390	-615	245	-410	130	-120	-630	-740	-265	240		
BIAS	s	s	n	n	S	s	s	s	s	s	s	s	s	s		
DSI	55	55	65	65	64	61	65	61	63	65	61	55	54	55		
plus-	0	0	0	1	0	0	0	0	1	0	0	0	0	0		3
ABCD	-2	2	0	2	-2	-2	-3	-2	0	0	-2	-2	-2	0		-5
12 day Cum +/-	1	1	1	2	2	2	2	2	3	3	2	2	2	2		
12 day Cum ABCD	5	7	8	8	8	6	3	-1	-3	-5	-9	-13	-15	-13		
30 day Cum +/-	-1	0	2	3	3	3	3	3	4	4	3	3	3	3		
30 day Cum ABCD	3	9	15	17	15	9	8	9	7	4	0	-2	-2	-5		
# needed to +/-9	2													-4		1650
																-2
Crude Oil	5959	5858	6203	6122	6102	6137	6251	6343	6221	6346	6372	6266	6241	6110		
10:00AM - 2:30PM	Z6	Z6	F7	F7	F7	F7	F7	F7	F7	G7	G7	G7	G7	G7		
net	-157	-101	-46	-81	-20	35	114	92	-122	67	26	-106	-25	-131		
BIAS	N	n	b	b	N	n	n	n	n	n	n	n	n	n		
DSI	22	17	28	26	26	28	33	36	31	33	35	30	29	23		
plus-	0	0	-1	0	0	1	0	0	0	1	0	0	0	0		0
ABCD	-2	0	-3	-4	-4	0	2	2	-2	2	0	-2	-2	-2		-9
12 day Cum +/-	-1	0	-3	-3	-2	-1	-1	-1	-1	-1	0	0	1	1		
12 day Cum ABCD	7	10	4	-2	-6	-9	-7	-7	-9	-11	-9	-9	-8	-13		
30 day Cum +/-	-1	-1	-6	-5	-5	-4	-4	-4	-3	-3	-3	-3	-3	-3		
30 day Cum ABCD	-6	-4	10	9	1	3	1	3	1	1	-1	0	-4	-9		
# needed to +/-9														-2		1270
																-4
Natural Gas	7794	7894	7561	7427	7430	7673	7555	7409	7075	7083	6769	6800	6635	6113		
10:00AM - 2:30PM	Z6	Z6	F7	F7	F7	F7	F7	F7	F7	F7	F7	F7	F7	F7		
net	-161	100	-110	-134	3	243	-118	-146	-334	8	-314	31	-165	-522		
BIAS	n	n	s	s	s	s	s	s	s	s	s	s	s	s		
DSI	20	20	13	10	12	14	13	12	9	10	8	9	8	5		
plus-	0	1	-1	0	0	0	-1	0	0	0	-1	0	0	0		-2
ABCD	0	3	-3	2	0	0	-2	0	-2	2	-2	3	-2	-2		3
12 day Cum +/-	4	5	-1	-1	-1	-1	-2	-2	-2	-2	-3	-3	-3	-3		
12 day Cum ABCD	-3	2	1	1	1	-1	-6	-8	-10	-6	-6	0	-4	-6		
30 day Cum +/-	5	6	4	4	4	4	2	2	1	1	0	-1	-1	-2		
30 day Cum ABCD	6	11	3	7	11	13	9	5	1	3	3	4	5	3		
# needed to +/-9																10/26
																-3
Heating Oil	16966	16600	17573	17243	17224	17320	17765	17817	17207	17187	17304	17017	16820	16233		
10:00AM - 2:30PM	Z6	Z6	F7	F7	F7	F7	F7	F7	F7	F7	F7	F7	F7	F7		
net	-490	-366	-215	-330	-19	96	445	52	-610	-20	117	-287	-197	-587		
BIAS	n	n	b	N	S	s	N	n	n	n	S	s	s	s		
DSI	19	15	26	25	23	25	31	32	26	27	28	24	22	13		
plus-	0	0	-1	0	0	1	0	0	-1	0	0	-1	0	0		0
ABCD	-2	-2	-4	0	-4	0	2	2	-2	4	0	-2	-2	-2		-8
12 day Cum +/-	0	0	-3	-3	-3	-2	-2	-2	-3	-3	-2	-3	-3	-2		
12 day Cum ABCD	1	1	-2	-4	-6	-9	-10	-10	-10	-6	-4	-4	-6	-8		
30 day Cum +/-	1	1	-3	-3	-3	-2	-2	-2	-3	-3	-3	-4	-4	-4		
30 day Cum ABCD	-2	-2	-1	1	-3	-1	1	3	-2	0	-2	-2	-6	-8		
# needed to +/-9																-4
																-3
RBOB	15656	15471	16171	15958	15970	16221	16701	17039	16749	17106	16930	16489	16309	15716		
10:00AM - 2:30PM	Z6	Z6	F7	F7	F7	F7	F7	F7	F7	F7	F7	F7	F7	F7		
net	-396	-185	-61	-213	12	251	480	338	-290	357	-176	-441	-180	-593		
BIAS	B	b	n	S	s	s	N	n	n	n	n	n	n	n		
DSI	21	18	34	32	31	32	36	40	41	38	38	34	33	25		
plus-	0	0	-1	0	0	1	0	0	-1	1	0	0	0	0		-2
ABCD	-2	3	-4	0	-4	0	0	2	-4	2	0	-2	-2	-2		-3
12 day Cum +/-	-1	-1	-2	-2	-1	0	0	0	-1	-1	0	0	0	0		
12 day Cum ABCD	5	10	-2	-4	-6	-4	-6	-6	-10	-10	-8	-8	-10	-14		
30 day Cum +/-	-2	-1	-4	-4	-4	-3	-3	-3	-3	-2	-2	-2	-2	-2		
30 day Cum ABCD	-6	-1	14	16	12	14	10	12	5	5	5	3	-1	-3		
# needed to +/-9																Cover Balance
																-6
London Brent Crude	5881	6063	6249	6190	6154	6130	6288	6353	6210	6272	6321	6249	6261	6106		
5:00AM - 2:30PM	Z6	F7	F7	F7	F7	F7	G7	G7	G7	G7	G7	G7	G7	G7		
net	-24	57	-16	-59	-36	-24	119	65	-143	62	49	-72	12	-155		
BIAS																
DSI																
plus-	0	0	-1	0	0	0	0	0	-1	1	0	0	0	-1		-2
ABCD	-4	3	-4	-3	-4	0	2	0	-2	3	2	-2	0	-2		3
12 day Cum +/-	1	1	0	0	-1	-1	-1	-1	-2	-2	-2	-2	-1	-2		
12 day Cum ABCD	-4	1	8	1	-5	-5	-5	-8	-12	-13	-8	-10	-10	-10		
30 day Cum +/-	1	1	0	0	0	0	0	-1	-2	-1	-1	-1	-1	-2		
30 day Cum ABCD	3	6	9	8	0	0	5	3	-1	6	4	0	3	3		
# needed to +/-9																8
																1230

COMMODITY NUMBERLINE

	11/13	11/14	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	12/26	30	29
Live Cattle	8575	8585	8972	8910	8845	8885	8832	8950	9047	9007	9035	8987	8982	9010		
10:05AM - 2:00PM	Z6	Z6	G7	G7	G7	G7	G7	G7	G7	G7	G7	G7	G7	G7		
net	5	10	42	-62	-65	40	-52	117	97	-40	27	-47	-5	27		
BIAS	s	s	n	n	n	n	n	n	B	b	b	b	b	b		
DSI	17	19	26	22	21	23	21	31	35	34	33	33	32	33		
plus-	0	0	0	0	0	1	0	1	0	0	0	-1	0	1		
ABCD	3	0	2	-2	-2	2	0	2	2	-2	1	-3	0	2	5	0
12 day Cum +/-	-2	-1	2	2	2	3	3	4	4	3	3	1	1	2		
12 day Cum ABCD	-6	-4	-6	-6	-8	-4	-2	2	2	-2	3	-2	0	2		
30 day Cum +/-	-1	-1	1	2	2	3	3	4	4	4	5	4	4	5		
30 day Cum ABCD	-17	-13	-8	-8	-8	-4	-4	-2	2	3	6	-1	-3	1		
# needed to +/-9									4	4					-4	334
Lean Hogs	6122	6167	6427	6350	6337	6352	6225	6225	6187	6272	6245	6270	6305	6235		
10:05AM - 2:00PM	Z6	Z6	G7	G7	G7	G7	G7	G7	G7	G7	G7	G7	G7	G7		
net	-175	45	0	-77	-12	15	-127	0	-37	85	-27	25	35	-70		
BIAS	N	S	n	n	n	S	s	s	s	s	s	s	s	s		
DSI	54	51	52	48	44	44	38	38	36	38	35	33	38	33		
plus-	0	0	0	0	0	1	0	0	0	0	0	0	0	-1		
ABCD	-2	2	0	-2	2	2	-2	0	0	2	-3	0	2	-2		
12 day Cum +/-	0	0	0	0	0	1	1	1	1	1	1	1	1	0		
12 day Cum ABCD	2	4	-4	-4	-2	2	2	0	-2	2	1	-1	3	-1		
30 day Cum +/-	-4	-4	0	0	0	1	2	2	2	2	2	1	1	0		
30 day Cum ABCD	-9	-7	2	0	0	2	2	0	2	4	-3	-5	-3	-3		
# needed to +/-9											-4	-4			-2	318
																322
Pork Bellies	8885	8877	9105	9055	9125	9165	9130	9157	9177	9267	9257	9255	9187	9162		
10:05AM - 2:00PM	G7	G7	G7	G7	G7	G7	G7	G7	G7	G7	G7	G7	G7	G7		
net	2	-7	15	-50	70	40	-35	27	20	90	-10	-2	-67	-25		
BIAS	S	s	n	S	N	n	n	n	n	B	b	b	b	b		
DSI	62	62	59	57	57	58	54	54	54	55	55	54	47	45		
plus-	0	0	0	0	1	0	0	0	0	0	0	0	0	0		
ABCD	2	2	-3	-3	2	0	0	2	2	0	0	0	0	-1		
12 day Cum +/-	-1	-1	0	0	1	1	1	1	1	1	1	1	1	1		
12 day Cum ABCD	-1	1	-3	-2	0	2	0	0	0	2	2	2	4	1		
30 day Cum +/-	-3	-3	0	0	1	1	1	1	2	2	2	2	2	2		
30 day Cum ABCD	-13	-9	2	-1	1	1	1	1	5	10	8	8	8	9		
# needed to +/-9									1	1	1	1	-1		ALERT	840
															3	423
Soy Beans	6574	6712	6560	6666	6630	6610	6774	6722	6630	6686	6634	6656	6742	6864		
10:30AM - 2:15PM	F7	F7	F7	F7	F7	F7	H7	H7	H7	H7	H7	H7	H7	H7		
net	-5	13 3/4	-6	10 3/4	-3 3/4	-2	1 1/2	-5 1/4	-9 1/4	5 3/4	-5 1/4	2 1/4	8 1/2	12 1/4		
BIAS	b	b	s	s	s	s	s	s	s	s	s	s	s	N		
DSI	85	89	62	66	64	63	63	61	57	63	63	63	67	71		
plus-	-1	0	-1	0	0	0	0	0	0	0	-1	0	0	0		
ABCD	-2	2	-3	3	-2	0	2	-3	0	2	-2	0	2	0		
12 day Cum +/-	-1	-1	-1	-1	-1	-1	0	0	0	0	-1	-2	-2	-2		
12 day Cum ABCD	-3	-1	-5	0	-4	-4	-2	-7	-5	-1	-1	-3	-1	-1		
30 day Cum +/-	-2	-2	-3	-3	-3	-3	-3	-3	-3	-3	-5	-5	-4	-4		
30 day Cum ABCD	12	14	-11	-8	-10	-7	-9	-8	-10	-8	-12	-14	-10	-8		
# needed to +/-9				-1		2		1		1					12/21	421
															-6	415
Corn	3424	3576	3684	3706	3726	3682	3716	3690	3656	3730	3726	3776	3840	3880		
10:30AM - 2:15PM	Z6	Z6	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7		
net	-3/4	15 1/4	-4	2 1/4	2	-4 1/2	3 1/2	-2 3/4	-3 1/4	7 1/4	-1/4	5	6 1/4	4		
BIAS	b	N	S	s	s	s	s	s	s	s	s	N	B	b		
DSI	82	88	60	61	65	64	67	63	59	64	64	71	77	80		
plus-	-1	1	0	0	0	0	1	0	0	0	0	0	0	0		
ABCD	-2	2	-4	3	0	-3	2	0	0	2	-2	0	2	2		
12 day Cum +/-	-1	0	3	3	3	3	4	3	3	3	3	2	2	1		
12 day Cum ABCD	-7	-5	-5	0	-2	-5	-3	-5	-3	1	1	-2	2	2		
30 day Cum +/-	0	1	3	3	3	3	4	4	4	4	4	4	4	4		
30 day Cum ABCD	3	5	-10	-7	-7	-7	-7	-7	-7	-3	-7	-7	-3	1		
# needed to +/-9				-2		0	-2	-2	-4	-4	-2	-4			1	288
Wheat	4770	4864	4856	4900	4820	4884	4914	4942	4874	4920	4936	5032	5140	5166		
10:30AM - 2:15PM	Z6	Z6	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7		
net	-3 1/2	9 1/2	-10	4 1/4	-8	6 1/2	3	2 3/4	-6 3/4	4 1/2	1 3/4	9 1/2	10 3/4	2 3/4		
BIAS	s	s	n	n	S	s	s	s	s	s	s	N	n	B		
DSI	66	69	60	61	55	60	61	64	59	62	61	70	80	81		
plus-	0	1	0	1	-1	1	0	1	0	0	0	0	0	0		
ABCD	-2	2	-2	2	-2	2	2	3	0	2	0	2	2	0		
12 day Cum +/-	-1	0	1	2	1	2	2	2	2	2	2	2	2	2		
12 day Cum ABCD	-14	-10	2	6	2	6	10	11	9	11	9	7	11	11		
30 day Cum +/-	-5	-4	2	3	2	3	3	4	4	4	5	5	5	5		
30 day Cum ABCD	-19	-15	-10	-6	-6	-2	-2	5	3	7	7	9	13	15		
# needed to +/-9									4	2	2				12/22	487
															15	475
British Bonds	10962	10990	10972	10942	10925	10912	10884	10866	10849	10836	10820	10834	10828	10821		
3:00AM-1:00PM	Z6	Z6	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7		
net	-32	28	-24	-30	-17	-13	-28	-18	-17	-13	-16	14	-6	-7		
BIAS																
DSI																
plus-	-1	1	0	0	0	0	-1	0	0	0	0	0	0	-1		
ABCD	-3	2	-4	-4	-2	-2	-3	-2	-4	-3	-2	2	0	0		
12 day Cum +/-	-1	0	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2	-1	-2		
12 day Cum ABCD	-4	-4	-6	-8	-8	-12	-13	-15	-19	-26	-30	-28	-26	-24		
30 day Cum +/-	0	1	-1	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2	-3		
30 day Cum ABCD	-18	-13	-15	-21	-25	-29	-32	-32	-34	-35	-39	-33	-36	-34		
# needed to +/-9															10/20	564
															-29	585

COMMODITY NUMBERLINE

	11/13	11/14	12/7	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	30	29
German Bunds	11791	11806	11840	11807	11810	11813	11789	11758	11733	11714	11684	11688	11694	11667		
2:00AM - 4:00PM	Z6	Z6	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7		
net	-10	15	-26	-33	3	3	-24	-27	-25	-19	-30	4	6	-27		
BIAS																
DSI																
plus-	-1	1	0	0	0	0	-1	0	0	0	0	0	1	0	1	-
ABCD	-4	2	-4	-4	0	0	-4	-2	-4	-2	-3	0	4	-2	-29	+
12 day Cum +/-	-1	0	0	0	0	-1	-2	-2	-2	-3	-3	-3	-1	0		
12 day Cum ABCD	-2	-3	0	-4	-2	-4	-12	-15	-17	-21	-28	-28	-21	-21		
30 day Cum +/-	1	3	1	1	1	1	0	0	0	0	0	0	1	1		
30 day Cum ABCD	-8	-3	-10	-17	-19	-22	-28	-28	-28	-30	-35	-31	-27	-29		
# needed to +/-9	-4	-3													12/8	484
															-23	
DAX-DAX	11/13	11/14	12/7	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	30	29
2:00AM-4:00PM	640700	644100	640550	643700	647100	652650	658450	663250	663650	663800	661900	661200	661200	655250		
net	Z6	Z6	Z6	Z6	Z6	H7	H7	H7	H7	H7	H7	H7	H7	H7		
BIAS	2500	3400	3650	3150	3400	-350	5800	3900	400	150	-150	-1750	-700	-5950		
DSI																
plus-	0	0	1	1	0	0	1	0	0	-1	0	0	0	0	4	0
ABCD	2	4	2	0	0	0	2	2	0	-1	4	-2	0	-2	12	
12 day Cum +/-	-1	-1	1	2	2	2	3	3	3	3	3	2	2	2		
12 day Cum ABCD	-3	3	-1	-1	-1	1	5	6	4	5	11	7	7	5		
30 day Cum +/-	2	1	2	3	3	3	5	5	5	4	4	3	4	4		
30 day Cum ABCD	18	18	4	6	4	4	10	16	16	13	15	13	15	12		
# needed to +/-9															10/13	1591
															6	1726
GMCT-CAC	11/13	11/14	12/7	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	30	29
2:00AM-3:00PM	547800	546900	538700	539700	543350	542050	548250	551300	553800	553800	550200	550850	550200	545950		
net	X6	X6	Z6	Z6	Z6	Z6	Z6	Z6	Z6	F7	F7	F7	F7	F7		
BIAS	4200	-900	3750	1000	3650	-1300	6200	3050	2500	-150	-3600	650	-650	-4250		
DSI																
plus-	0	0	1	1	0	0	1	0	0	0	0	0	0	0	2	0
ABCD	2	-2	2	3	0	-2	2	0	0	0	-2	-2	0	-2	-6	
12 day Cum +/-	1	1	0	2	2	2	3	3	3	4	4	3	3	3		
12 day Cum ABCD	4	4	-6	-1	1	1	5	5	3	5	5	1	-1	-1		
30 day Cum +/-	2	2	1	2	2	2	3	3	3	3	3	3	3	2		
30 day Cum ABCD	19	17	-1	4	4	4	6	4	4	2	-2	-4	-4	-6		
# needed to +/-9					3		3								-6	559
FT100	11/13	11/14	12/7	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	30	29
3:00AM - 12:30AM	62110	62030	61400	61650	61630	61560	62095	62490	62575	62620	62140	62075	61790	61935		
net	Z6	Z6	Z6	Z6	Z6	H7	H7	H7	H7	H7	H7	H7	H7	H7		
BIAS	-160	-80	490	250	-20	-275	270	395	85	45	-480	-65	-285	145		
DSI																
plus-	-1	-1	0	0	0	-1	1	0	0	0	0	-1	0	0	-7	-
ABCD	-4	-2	2	2	-3	0	2	2	0	0	-3	-2	-3	2	-17	
12 day Cum +/-	0	-1	-3	-2	-2	-3	-1	-1	-1	0	0	-1	-1	-1		
12 day Cum ABCD	1	1	-14	-10	-11	-9	-4	1	-1	-1	-4	-2	-5	-1		
30 day Cum +/-	1	0	-5	-5	-5	-6	-5	-5	-5	-5	-5	-7	-7	-7		
30 day Cum ABCD	25	19	-9	-5	-5	-7	-5	-6	-6	-8	-13	-18	-19	-17		
# needed to +/-9															12/6	1067
															-11	777
Nikkei	11/13	11/14	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	12/26	30	29
6:45PM - 1:30AM	16020	16295	16400	16555	16655	16685	16845	16905	16960	16805	16995	17045	17105	17185		
net	Z6	Z6	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7	H7		
BIAS	s	s	b	b	b	b	b	b	b	b	b	b	b	b		
DSI	75	80	78	80	81	81	88	89	86	84	85	83	85	89		
plus-	0	0	-1	0	0	0	0	0	0	0	0	0	1	0	2	0
ABCD	0	2	-2	2	3	1	3	0	0	-4	2	2	2	2	15	
12 day Cum +/-	-1	-1	2	2	2	1	0	0	0	-1	-1	-1	0	0		
12 day Cum ABCD	-9	-7	13	12	17	16	17	15	13	7	7	11	9	11		
30 day Cum +/-	-4	-4	0	0	1	1	1	1	1	1	1	1	2	2		
30 day Cum ABCD	-7	-5	-7	-5	0	4	7	7	4	-4	0	4	9	15		
# needed to +/-9	-2	-2													12/26	568
															15	568
DEX	11/13	11/14	12/7	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	30	29
2:00AM - 4:00PM	4086	4113	4011	4030	4057	4084	4132	4159	4152	4144	4143	4130	4129	4092		
net	Z6	Z6	Z6	Z6	Z6	H7	H7	H7	H7	H7	H7	H7	H7	H7		
BIAS	10	27	12	19	27	-2	48	21	-7	-8	-1	-13	-1	-37		
DSI																
plus-	0	0	1	1	0	0	0	0	0	0	0	-1	0	-1	-1	0
ABCD	3	0	2	0	2	0	2	4	-4	-4	0	-2	-4	-2	-3	
12 day Cum +/-	0	0	0	2	2	2	2	2	3	3	1	1	1	0		
12 day Cum ABCD	-4	-2	-4	-2	2	4	10	14	7	3	6	1	-6	-6		
30 day Cum +/-	3	3	0	1	1	1	2	2	2	1	1	-1	0	-1		
30 day Cum ABCD	6	6	-2	0	-1	3	9	17	11	5	3	1	-1	-3		
# needed to +/-9	3														Cover Balance	350
															-6	
AEX	11/13	11/14	12/7	12/8	12/11	12/12	12/13	12/14	12/15	12/18	12/19	12/20	12/21	12/22	30	29
3:00AM-11:30AM	494400	493650	477150	476800	480250	483000	489350	493950	495370	496000	495100	497000	495950	491900		
net	X6	X6	Z6	Z6	Z6	Z6	Z6	Z6	Z6	F7	F7	F7	F7	F7		
BIAS	1700	-750	0	-350	3450	2750	6350	4600	1420	-1000	-900	1900	-1050	-4050		
DSI																
plus-	0	-1	1	0	0	0	0	0	0	0	0	0	0	0	-2	0
ABCD	2	-2	2	1	0	2	2	2	0	0	0	0	0	-2	-4	
12 day Cum +/-	1	0	-1	0	0	0	0	0	0	1	1	1	1	1		
12 day Cum ABCD	6	6	-7	-4	-2	2	6	8	8	10	12	12	9	7		
30 day Cum +/-	2	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	-2	-2		
30 day Cum ABCD	11	9	-5	-2	-4	-2	0	2	0	-2	-2	-4	-2	-4		
# needed to +/-9															-4	1011

