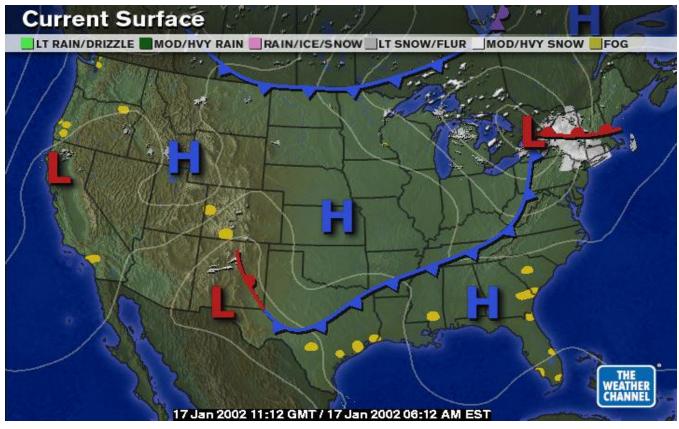
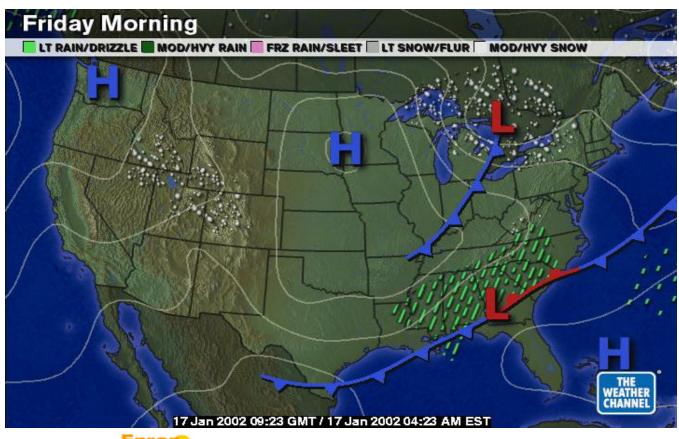
Thursday, January 17, 2002





Temperatures This Morning **Snow Cover This Morning Arctic Pool** -40 -30 -20 -10 O **Canadian Temperatures This AM Polar Vortex** Jet Stream Early Next Week Polar Vortex Jet Stream Late Next Week Arctic Polar Temperature Anomalies Next Week

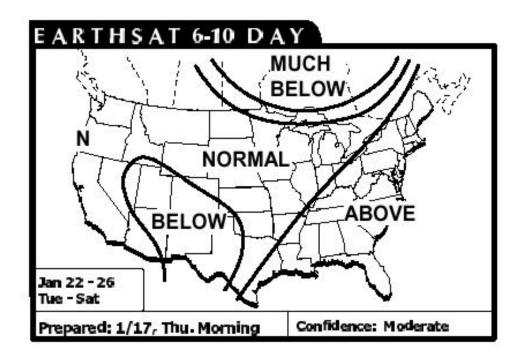
Executive Summary

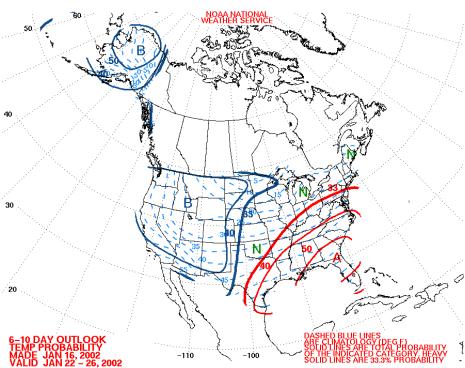
Market Movers for Thursday, January 17, 2002; 7:00am CT

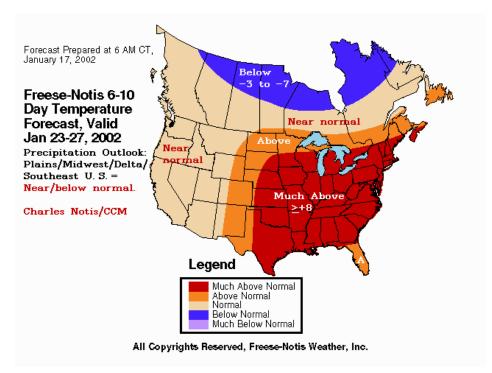
... Warm East Through Late January...

- Overview -> Arctic Lock: While much of Canada will experience Arctic air during the next two weeks, there will only be limited opportunities for any of this cold to sink into the U.S. and what cold does penetrate the border will not track very far south and will not be strong to severe The primary threat for colder than normal temperatures over the next two weeks will focus across the Rockies and West while the Midwest and East remain mild to warm.
- Models/Teleconnections/Pattern -> Model Changes Warmer: Today's operational American model has reversed its picture from the past few days now coming more into line with the other operational models and a majority of ensemble members. This picture shows a much weaker surge of cooling late next week for the Midwest and East than was indicated by the operational American model over the past few days. There remain some ensemble members, however, that move a strong (but quick) cold shot into the nation's midsection late next week. Teleconnection patterns favor extreme cold limited to Western Canada and warmer conditions in the South and East. A consideration of all models along with teleconnections seem to indicate that today's operational American model is more in line with actual expectations for the weather pattern next week.
- Models/Teleconnections/Pattern -> What's It Mean? There appear to be no threats for significant cold in the Midwest, South or East through at least late January. There will, however, be ample cold air across much of Canada and Alaska over the next two weeks. An active storm track will bring highly variable temperatures from the Front Range of the Rockies across the northern tier of the U.S. Cooler than normal temperatures will primarily reside in the Rockies. The South and East will also remain stormy but the tendency will be for storms to track west of these regions allowing them to be near or above normal.
- Specifics This Week -> A Few Days of Cooling Upper Midwest: A surge of cooler is moving and will normalize temperatures across the Midwest and Northeast over the weekend. Parts of the Great Plains and Upper Midwest will see a few days below normal going over the next few days. Temperatures will be on the cool side from the Rockies to the West Coast.
- Specifics Next Week -> Warming Early Normalization Later: A stormy pattern will continue with brief surges of cool air in the Midwest but limited cold for the South and East. The coldest part of the nation will remain across the Rockies where temperatures will be mainly below normal. Normal temperatures will spread out across the northern Plains and much of the Midwest will be closer to normal but overall temperatures will be normal to above normal from the Ohio Valley to the South to the East Coast. The stormy pattern will continue to bring ample precipitation from the Rockies to the Midwest to the East.

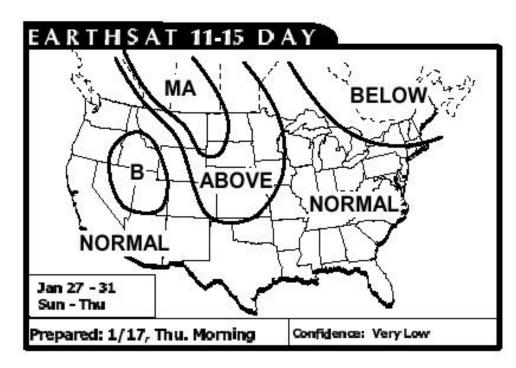


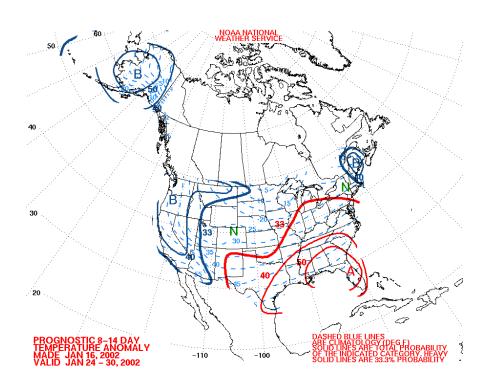


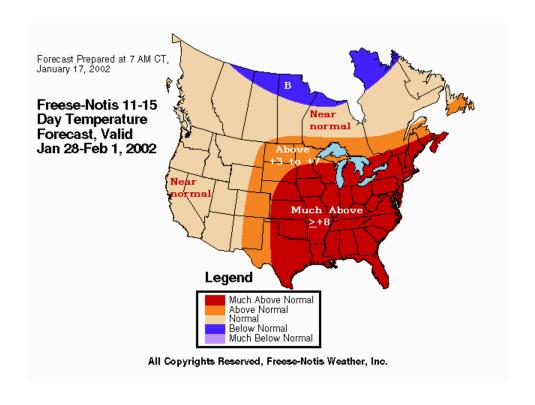












	YE	STE	RDA	Υ	NORMAL	17-Jan	-02	Fri 1/18		Sat 1/19		Sun 1/20		Mon 1/21		Tue 1/22		Wed 1/23			6-10 DA	,——
	4KZ				HI LO	HI LO		HI LO		HI LO		HI LO		HI LO		HI LO		HI LO		7	8 9	10
NATIONAL	51		36	###		51 36	###	46 33	###	46 31	###	48 32	###	52 34	###	53 37	###	53 38	###	###	### ##	# #N/A
SEATTLE PORTLAND OR	42	39 39	30	b	46 35 46 34	41 32 44 35		41 30 42 31	b	41 33 41 33		43 37 43 38		41 37 43 38		40 31 42 33	b	42 32 42 33				
SALT LAKE CITY	41 25	25	34 8	В	37 20	24 14	В	23 11	В	27 9	В	43 30 35 9	b	43 36 40 20		36 23		32 19		b		
DENVER	28	29	15	В	44 17	30 12	В	23 6	В	41 6	b	41 14	~	47 17		44 20		38 15		b	b	
SACRAMENTO	55	56	29		54 38	51 34		51 31	b	48 26	В	49 30	b	54 34		52 37		53 35				
CA Sacramento					54 38	51 34		50 31	b	51 29	b	52 31	b	53 35		53 36		54 35				
SAN FRANCISCO	57	55	39	_	56 42	53 43		53 38	_	51 37	b	52 38		54 40		53 43		55 41				
SAN JOSE FRESNO	78 48	53 50	31 31	B b	67 45 55 38	78 34 49 32	b	54 30 46 32	B b	64 40 48 28	В	64 42 50 31	b	66 44 54 35		65 45 53 38		66 45 54 37			B b	b
LOS ANGELES	64	63	51	ь	66 48	62 43	b	60 45	b	64 44		63 46	b	62 46		64 48		65 49				
CA Burbank					#N/A #N/A	65 41	###	63 41	###	66 41	###	66 40	###	63 43	###	62 46	###	63 43	###	###	### ###	# #N/A
FreeseNotis/Burbank					#N/A #N/A	62 43	###	62 47	###	67 47	###	68 51	###	68 52	###	65 49	###	68 52	###	###	### ###	# #N/A
SAN DIEGO	61	61	51		66 49	62 48	_	60 46	b	62 43	b	62 45	_	62 47		64 48		63 48				
LAS VEGAS PHOENIX	55	52	34	_	58 34	53 29	b	52 30	b	49 27	b	52 29	b	54 34		56 37		55 34				
TUCSON	64 68	64 66	53 52	a a	67 42 64 39	66 50 64 41		63 42 66 37		63 39 64 34		62 41 63 37		67 42 68 38		69 45 69 40		67 45 68 39				
ALBUQUERQUE	53	52	37	A	48 22	50 39	Α	48 25		43 19		49 22		50 22		53 27	а	51 26				
WEST	59	56	42	###	#N/A #N/A	58 40	###	54 37	###	57 36	###	57 39	###	58 40	###	59 42	###	59 42	###	###	### ###	# #N/A
OKLAHOMA CITY	52	51	37	Α	47 25	42 28		43 22		36 24	b	48 21		54 26	а	57 35	Α	50 31	а		b B	b
EL PASO	67	69	49	A	57 30	64 54	Α	65 36	а	57 34		60 32		63 34	a	64 39	A	62 38	a	_		
DALLAS FT WORTH Dallas	65	70	44	Α	54 33 54 33	47 40 50 40		51 34 45 34		50 36 49 38		53 28 54 33		61 35 59 35	а	63 42 62 41	A	58 41 60 42	a a	а		а
AUSTIN	71	72	34	а	59 39	64 50	Α	57 47		65 51	Α	62 35		65 42	а	69 49	Â	67 51		а	а	u
SAN ANTONIO	74	71	46	Α	61 38	69 54	Α	61 49	а	68 51	Α	64 37		66 43	а	70 48	Α	69 51	Α	Α	Α	
HOUSTON	69	73	39	а	61 40	70 57	Α	61 52	а	63 50	а	64 38		66 45	а	70 52	Α	71 55	Α	Α	а	
TX Houston					61 40	73 56	Α	62 53	а	63 49	а	63 40		65 43		68 49	Α	70 54		а		а
LITTLE ROCK	60	62	34	Α	49 29	54 40	A	47 29		41 29		46 26		53 32	_	55 38	a	55 39		а		
AR Little Rock BATON ROUGE	67	65	30		49 29 60 40	52 46 69 45	A a	46 34 63 55	Α	41 35 61 53	а	49 28 59 41		53 34 64 46	a a	58 40 70 49	A	57 44 70 54	A A	Α	Α	а
NEW ORLEANS	66	63			61 42	70 46	a	63 57	Ā	64 54	a	61 46		65 47	a	69 49	a	70 54			Ā	
TEXAS	67		41	а	58 36	62 49	Α	58 44		59 44	а	60 34		63 40	а	67 46	Α	65 48			а	
MPLS ST PAUL	22	22	14	а	21 3	20 9		10 -3	В	22 -1		23 7		24 10	а	29 13	Α	23 10	а			а
MN Minneapolis					21 3	20 9		9 -3	В	18 -3	b	22 5		27 12	a	27 13	Α	19 10			а	а
OMAHA MILWAUKEE	30 32	34 30	20 24	a A	32 11 26 12	27 16 28 16		22 10 20 14	b	31 11 28 11		39 17 29 15	а	42 21 34 19	A a	44 25 35 23	A A	35 19 33 22	a A		b	а
DETROIT	33	33	28	A	30 15	37 27	Α	32 20		28 14		32 20		37 24	A	39 26	A	37 28		а	a b	
CHICAGO	32	33	24	a	29 13	29 15	•	23 16		29 12		32 16		37 20	a	39 26	A	35 24		a	b	
IL Chicago					29 13	28 13		23 14		27 7		31 15		35 19	а	40 24	Α	35 24	Α		b	а
FreeseNotis					29 13	29 15		26 19		35 18	а	40 24	Α	45 28	Α	46 33	Α	42 31		Α	A A	Α
WGN Skilling	40		-00		04.47	27 16		23 10	b	28 13		31 20	а	33 24	а	38 30	A	35 28	Α			
INDIANAPOLIS KANSAS CITY	42 40	43 39	23 22	a a	34 17 35 17	35 24 32 22	а	30 22 28 16		31 17 32 13		35 19 40 17		41 23 46 23	a A	46 28 48 30	A A	44 30 36 25	A a	а		а
ST LOUIS	45	52	29	A	38 21	35 25		35 22		32 13		40 17 41 22		40 23 47 26	a	53 36	A	45 33	-	а	b	а
CLEVELAND	33	36	26	a	32 17	39 30	Α	30 20		30 18		34 21		38 25	a	42 28	A	41 31		a	a b	
CINCINNATI	41	45	21	а	37 19	45 30	Α	37 20		34 20		38 22		43 25	а	48 29	Α	48 32	Α	а	a b	
Cincinnati					37 19	45 31	Α	36 20		31 17		37 20		42 24	а	48 28	Α	49 33		а	b	
COLUMBUS OH CENTRAL	37 34	38	27	a	34 18 31 14	40 29 33 21	Α	33 22 27 17		33 20 30 14		37 23 34 18	а	40 27 38 22	a	46 28	A	45 31 38 26		A a	a	
BOSTON	42	39		a A	36 21	43 31	Α	37 27		33 23		34 16		40 26	a a	41 26 40 27	a	41 28			a b	b
MA Boston		-	0.		36 21	42 31	A	39 28	а	31 23		33 22		35 23		37 24	_	47 25		a	b	
PROVIDENCE	39	40	28	а	36 19	42 27	а	36 24		34 19		39 23		40 26	а	42 26	а	44 27	Α	а	а	b
HARTFORD	37	39	29	Α	33 16	39 27	Α	35 24	а	31 16		35 22	а	38 23	а	39 25	а	39 26	Α	а	a a	b
BUFFALO	33	32	26	а	30 17	34 29	Α	28 23		29 16		31 20		36 24	а	37 25	a	38 28	Α		a b	b
SYRACUSE NEW YORK CITY (LGA)	32 44	33 42	23 38	a A	30 14 37 25	36 25 47 35	A A	30 22 39 31	a a	30 16 36 27		30 18 38 30		35 21 42 31	a a	37 23 44 32	A a	38 25 47 33		a a	a a	b
NY New York City	44	42	30	^	37 25	46 34	A	40 32	a	34 27		37 27		41 28	а	44 32 41 29	a	47 33 49 31		a a	a b	ь
FreeseNotis LGA					37 25	47 35	Ä	40 32	a	42 33	а	45 37	Α	47 36	Α	51 39	Ä	51 37		Ã	A a	Α
PITTSBURGH	37		31	а	34 18	39 33	Α	31 21		35 18		37 22		41 27	Α	44 27	Α	44 32		Α	a b	
PHILADELPHIA	47	45	35	Α	38 23	48 36	Α	41 30	а	39 25		44 29	а	44 31	а	46 31	Α	50 33			Α	b
PA Philadelphia NORTHEAST	43	40	26	Λ	38 23	48 36 46 34	A	40 30 38 30	а	36 24 36 25		40 26 38 29		44 28 42 30	a	43 28	a	51 30		A	b	b
BALTIMORE	46		36	A a	37 24 40 23	49 30	A	42 28		39 24		46 28	а	47 30	a	44 31 47 30	a a	46 32 49 31			a a	b
MD Baltimore	40	72	50	u	40 23	53 33	A	42 28		38 22		43 26	u	47 27	a	46 27	a	52 29		a	u	
WASHINGTON DC	47	43	33		42 27	51 35	Α	43 32		41 28		46 31	а	50 33	а	49 33	а	52 34		а	а	b
DC Washington					42 27	53 39	Α	43 32		37 26		43 30		48 31	а	47 31	а	53 33	Α	а	b	
MEMPHIS	61	58	35	а	49 31	53 46	Α	50 32		40 37		49 26		54 32		59 40	Α	58 43		а		
NASHVILLE KNOXVILLE	53 51	54 50	25 27		46 26 46 26	51 40 54 34	A A	42 31 46 35		41 33 43 33		46 26 48 31		53 32 53 32	a a	58 35	A A	56 41 56 37		a A	a A	
BIRMINGHAM	58	60	26		52 31	61 33	a	51 44	a a	43 33 51 41	а	51 35		53 32 57 36	a a	57 32 61 38	A	62 45		A	a	
RICHMOND	50	48	24		46 26	56 36	A	48 33	a	43 28	u	46 33		56 34	A	53 32	a	58 34		A	A	b
NORFOLK VA	50	45	36		47 31	58 37	Α	49 36		47 32		48 36		55 37	а	53 36	а	57 39	Α	Α	Α	b
RALEIGH	49	49	27		49 29	58 31	а	48 37		46 33		56 34	а	56 36	а	54 34	а	61 36		Α	A a	
CHARLOTTE	51	49	30		49 30	59 29	а	51 41	а	45 36		57 36	а	56 38	а	55 36	а	59 39		Α	Α	
CHARLESTON SC ATLANTA	58 57	59 55	32		58 38 51 32	67 33	2	61 45	a	60 47 47 40	а	61 45	а	67 45	A	62 44	a	67 47		A A	A a	
GA Atlanta	5/	55	3 I		51 32 51 32	58 34 58 33	a a	50 42 50 43	a a	47 40 48 40		53 36 52 40	а	56 39 55 39	a a	57 38 56 37	a a	60 44 58 43		A	^	
JACKSONVILLE	65	65	34		64 41	69 39	u	72 44	a	73 52	Α	69 50	a	71 48	a	70 49	a	74 51		Â	A A	
ORLANDO	72				71 48	75 52	а	76 52	а	83 57	Α	79 60	A	80 58	A	75 59	а	80 58		Α	A a	
TAMPA ST PTRSBG	71	70			70 50	71 49		74 51		80 60	Α	77 61	Α	76 60	Α	77 59	Α	79 58		Α	A a	
MIAMI INT'L APT	78	78		а	76 57	81 66	а		а	84 69	Α	84 72	Α	83 70	Α	82 68	Α	81 67			A a	
SOUTHEAST	59	58	35		55 35	61 40	а	57 41		55 42		58 41	а	61 42	а	62 43	а	64 45	Α	Α	Α	

			(CANADIAN AND	OTHER CITIES					
CANADIAN	NORMAL	1/17/2002	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	
<u>Celsius</u>	HI LO	<u>HI</u>	HI LO	<u>HI</u> <u>LO</u>	HI LO	HI LO	HI LO	<u>HI</u> LO	<u>HI</u> <u>LO</u>	
CALGARY,AB	-3 -16	-6 -9	-1 -11 a	<i>-</i> 3 -8 а	-7 -13	-9 -17 b	-11 -19 b	-8 -18 b	-4 -17	
EDMONTON,AB	-8 -19	-9 -11 a	-6 -17	-8 -15	-13 -19	<i>-14 -24</i> b	<i>-15 -</i> 26 B	<i>-14</i> -24 b	-9 -22	
REGINA,SK	-11 -22		<i>-13 -27</i> b	-12 -20	<i>-16 -23</i> b	<i>-17 -26</i> b	<i>-17 -25</i> b	<i>-19 -27</i> B	-16 -29	
WINNIPEG,MB	-13 -23		<i>-18 -30</i> B	-16 -24	-17 -24	-16 -24	-16 -23	<i>-20</i> -26 b	-19 -30	
QUEBEC, QE	-8 -17		-7 -13 a	-12 -18	-8 -16	-8 -16	-6 -14	<i>-4</i> -13 a	-8 -13	
NORTHBAY, OT	-8 -18		-10 -14	-8 -18	-8 -16	-7 -16	-4 -16 a	-5 -13 а	-11 -17	
MONTREAL, QE	-7 -17	<i>-5</i> -8 A	-6 -12 a	-9 -16	-8 -15	-7 -14	-6 -14	-4 -14 a	-6 -13	
TORONTO, OT	-8 -18	0 -3 A	-3 -9 A	-3 -12 A	-3 -11 A	-1 -10 A	-1 -9 A	1 -8 A	-3 -8	
VANCOUVER, BC	6 0	4 -2	4 -1	5 -2	4 1	3 1	3 0	4 -1	7 -1	
<u>Fahrenheit</u>	NORMAL	<u>HI</u>	<u>HI</u> LO	<u>HI</u> LO	<u>HI</u> <u>LO</u>	<u>HI</u> LO	<u>HI</u> <u>LO</u>	<u>HI</u> LO	<u>HI</u> LO	
CALGARY,AB^	26 4	22 16	30 12 a	27 17 a	20 9	16 2 b	13 -3 b	17 -1 b	25 1	
EDMONTON,AB^	17 -3	15 12 a	21 2	17 5	9 -2	6 -11 b	5 -14 B	6 -12 b	15 -7	
REGINA,SK	13 -7		8 -17 b	11 -4	4 -9 b	2 -15 b	2 -13 b	-2 -17 B	3 -21 B	
WINNIPEG,MB	9 -10		0 -22 B	4 -11	1 -12	4 -12	3 -10	-4 -14 b	-2 -22 B	
QUEBEC,QE	18 1		20 9 a	11 -1	18 3	18 3	21 7	24 9 a	17 8	
NORTHBAY, OT	17 -1		14 6	17 -1	18 3	19 4	24 3 a	23 9 a	13 1	
MONTREAL, QE^	19 2	23 18 A	21 10 a	16 4	17 5	20 6	22 7	25 7 a	22 9 a	
TORONTO, OT^	17 0	32 26 A	26 16 A	26 11 A	26 13 A	30 14 A	31 15 A	33 17 A	27 17 A	
VANCOUVER, BC/		39 28	40 31	41 29	39 34	37 33	37 32	39 30	44 30	
OTHE Yesterday	NORMAL	1/17/2002	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	
BOIS 34 20	37 22	32 27	29 13 b	30 15 b	32 19	35 23	33 25	34 19	30 16 b	
POC/ 22 9 b	33 15	22 14 b	22 9 b	23 3 B	31 9	36 21	30 19	27 17	24 10 b	
GRE/ 31 13	31 12	23 5 b	28 1 b	31 20	25 15	27 14	19 8 b	21 4 b	30 10	
BILLI 31 17	32 14	24 13	25 1 b	30 15	31 15	31 17	26 12	27 6 b	28 8	
CASF 23 1 B	33 12	18 1 B	22 0 B	27 10	32 11	38 14	36 18	27 8	28 8	
CHE\ 25 7 B REN(36 22	38 15 46 21	24 6 B 35 19 b	23 3 B 33 12 B	33 7 b 37 9 B	34 15 39 14 b	42 20 42 15	38 23 40 21	31 13 36 18 b	30 9 b 40 18	
BISM 24 2	21 -1	13 19 b	33 12 В 13 -9 b	37 9 В 23 4	21 1	23 3		36 18 b 14 -1		
	16 -3	14 6		23 4 18 -3	16 0	23 3 18 1	20 6 19 5 a	14 - 1 12 -2	12 -6 b 13 -9	
	34 11		9 -11 b 24 1 b	35 7	35 9	38 11	19 5 a 34 16			
	25 4	26 13 23 9	14 0 b	35 7 30 3			34 16 34 17 A	24 5 b 25 10	27 2 b 22 5	
SIOU 30 16 a DES 31 18	25 4 28 11	23 9 29 16	14 0 b	30 3 29 9	28 12 a 34 13	32 12 a 41 20 A	34 17 A 41 24 A	33 21 a	22 5 29 16	
1	25 7	25 13	18 10	29 9 25 5	27 11	32 16 a	33 20 A	33 ∠⊤ a 31 19 a	26 15	
MADI 27 19 a GREI 25 16 a	23 6	23 13 23 10	14 8	23 5 21 1	27 11 23 9	26 13 a	29 16 a	27 15 a	23 11	
ALBA 37 28 A	30 11	74 55 A	32 24 a	28 14	33 18 a	34 19 a	37 22 a	36 24 a	35 22 a	
ALDA 31 20 A	30 11	17 00 A	JŁ ∠¬ a	20 17	33 10 a	37 19 a	31 22 a	30 24 a	JJ ZZ a	

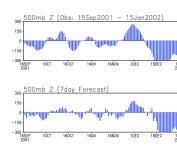
	GAS D	DEMAND F	ORECAST - TO	TAL DEMA	ND		1/17/2	002									6-10	DAY PER	IOD				
YI	ESTERDA	Υ	TODAY	Fri	1/18	Sat	1/19	Sun	1/20	Mon	1/21	Tue	1/22	Wed	1/23	Thu	1/24	Fri	1/25	Sat	1/26	Sun	1/27
<u>NW</u>	MM/d	342	MM/d 300	MM/d	442	MM/d	254	MM/d	89	MM/d	<4>	MM/d	168	MM/d	299	MM/d	280	MM/d	240	MM/d	120	MM/d	110
WA	1,093	147	1,041 109	1,067	134	986	93	910	17	978	46	1,067	135	1,027	108	986	67	974	55	868	<13>	867	0
OR	661 293	49 10	616 12 280 0	659 322	55 42	625 302	46 34	583	4	608 282	3	644 282	39	644	48	626	31 38	613 302	17 28	574 268	3 7	563 268	5 10
ID MT	293	<4>	280 0 270 21	295	45	242	2	288 239	19 0	245	<4>	268	3 19	295 279	20 34	313 272	27	270	25	248	16	248	18
WY	272	35	275 38	282	44	248	21	234	6	223	<15>	224	<13>	252	16	261	25	259	23	240	14	240	16
co	1,379	106	1,378 121	1,378	121	1,264	59	1,248	43	1,220	<37>	1,242	<15>	1,329	72	1,349	92	1,349	92	1,298	93	1,250	61
SW		61	1231		1665		1643		1210		865		137		191		248		906		934		939
CA	6,361	110	7,483 1240	7,681	1439	7,313	1329	6,994	1010	7,128	885	6,505	262	6,314	166	6,246	97	6,977	829	6,776	883	6,501	788
NV	485	21	530 70	524	65	543	103	512	72	476	17	438	<21>	472	27	501	56	462	17	416	<11>	426	12
UT AZ	766 378	74 <22>	767 87 333 <52>	770 465	90 80	730 466	77 97	697 460	45 90	658 385	<22>	670 348	<10> <37>	720 363	47 <22>	738 378	65 <7>	715 370	42 <15>	677 369	32 0	674 425	42 70
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FL	1,260	44	1,262 44	1,268	51	1,274	107	1,230	63	1,280	62	1,267	49	1,289	71	1,269	52	1,238	20	1,246	79	1,260	95
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DAY-4	83.1	<1.1>	85.9 1.7	83.0	<1.2>	78.2	<2.5>	77.4	<3.2>	84.3	0.1												

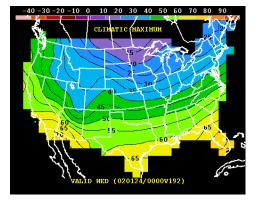
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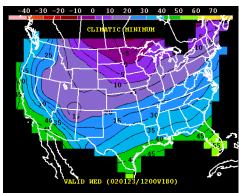


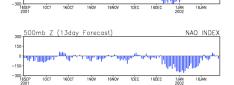




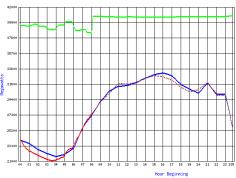


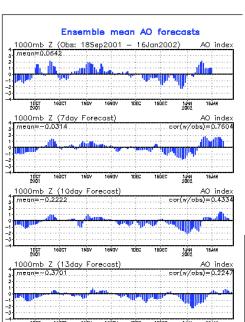


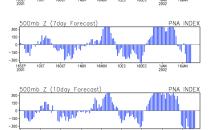


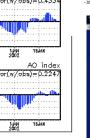


NAO INDEX











Surface Temperature (5)	WXP analysis for 10Z 17 JAN 02.
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Jac so so	© UNISYS LO: -43.6 H: 78.8

Early Next Week Max/Min Temp Range

Minneapolis 12-16 / 5-10 Chicago 30-35 / 25-30 **Dallas** 50-55 / 30-35 **Boston** 42-45 / 32-35 **Atlanta** 50-55 / 35-40 **Late Next Week** Max/Min Temp Range 10-15 / 0-5

20-25 / 8-14 40-45 / 25-30 30-35 / 25-30 40-45 / 25-30

