

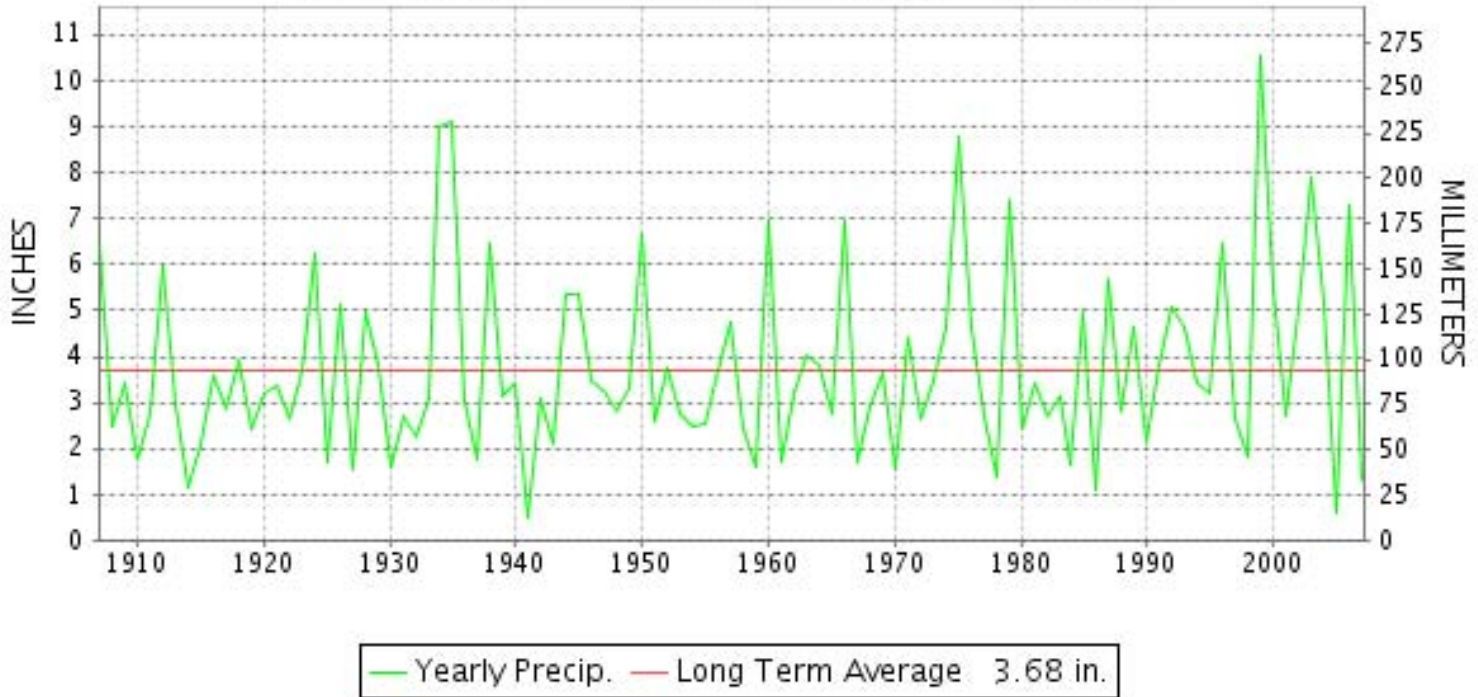


CLIMATOLOGICAL DATA MARYLAND AND DELAWARE



SEPTEMBER 2007
VOLUME 111 NUMBER 09
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SEPTEMBER PRECIPITATION BY YEAR



TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND

HIGHEST TEMPERATURE	96	SEPTEMBER 7	CUMBERLAND 2
LOWEST TEMPERATURE	33	SEPTEMBER 17	OAKLAND 1 SE
GREATEST TOTAL PRECIPITATION	2.92		ROYAL OAK 2 SSW
LEAST TOTAL PRECIPITATION	.35		BALTIMORE WASH INTL AP R
GREATEST 1 DAY PRECIPITATION	1.69	SEPTEMBER 11	ROYAL OAK 2 SSW

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Asheville, North Carolina

DELAWARE

HIGHEST TEMPERATURE	92	SEPTEMBER 26	WILMINGTON NEW CASTLE R
LOWEST TEMPERATURE	43	SEPTEMBER 17	BEAR 2 SW
GREATEST TOTAL PRECIPITATION	2.09		GREENWOOD 2NE
LEAST TOTAL PRECIPITATION	.49		WILMINGTON NEW CASTLE R
GREATEST 1 DAY PRECIPITATION	1.15	SEPTEMBER 11	GREENWOOD 2NE

MONTHLY STATION AND DIVISION SUMMARY

STATION	TEMPERATURE (°F)											PRECIPITATION (IN)												
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEG. DAYS	COOLING DEG. DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST 24 HOURS	DATE	ICE PELLETS, SNOW			NO. OF DAYS		
											MAX		MIN						TOTAL	MAX DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
											>=90	<=32	<=32	<=0										
FREDERICK 2 NNE	82.9	56.3	69.6		94	8	42	18+	37	181	6	0	0	0	.98		.35	28	.0	0		4	0	0
MILLERS 4 NE	80.6	55.0	67.8	2.2	90	26+	37	17	51	142	2	0	0	0	.71	-3.43	.25	26	.0	0		4	0	0
ROCKVILLE 1 NE	M	M	M																M	M				
SMITHSBURG 2NW	81.3	53.4	67.4		90	26	38	17+	56	130	1	0	0	0	.64		.23	12	.0	0		3	0	0
--DIVISIONAL DATA-----> APPALACHIAN MOUNTAIN 07			69.5	2.9											.90	-3.43			.0					
CUMBERLAND 2	84.4	55.8	70.1	4.3	96	7	40	16	36	194	10	0	0	0	1.69	-1.49	.72	15	.0	0		4	1	0
FROSTBURG 2	75.2	51.5	63.4	3.1	87	9	36	17+	109	69	0	0	0	0	1.88	-1.74	.58	28	.0	0		5	1	0
SHARPSBURG 5 S	83.4	52.9	68.2		94	9+	38	17+	53	156	8	0	0	0	M 1.02		.33	28	.0	0		4	0	0
WILLIAMSPORT	82.3	55.1	68.7		92	27	40	18	40	158	6	0	0	0	2.32		1.54	27	.0	0		3	1	1
--DIVISIONAL DATA-----> ALLEGHENY PLATEAU 08			67.6	3.5											1.96	-1.53			.0					
OAKLAND 1 SE	75.8	47.1M	61.5M	.7	88	7	33	17+	151	49	0	0	0	0	2.85	-.71	1.35	28	.0	0		6	2	1
SAVAGE RIVER DAM	75.9	51.9	63.9	2.4	86	9+	37	16	106	81	0	0	0	0	1.70	-1.78	.54	12	.0	0		5	1	0
--DIVISIONAL DATA-----> DELAWARE NORTHERN 01			62.7	2.2											2.28	-1.32			.0					
BEAR 2 SW	81.0	55.7	68.4		91	26+	43	17+	36	146	3	0	0	0	.75		.43	11	.0	0		3	0	0
NEWARK UNIV FARM	M	M	M																M	M				
WILMINGTON NEW CASTLE R	81.9	59.1	70.5	2.8	92	26	45	16	20	192	2	0	0	0	.49	-3.52	.21	22	.0	0		2	0	0
WILMINGTON PORTER RSVR	79.0	61.0	70.0	3.2	89	26+	48	16	23	179	0	0	0	0	1.00	-2.95	.45	11	.0	0		3	0	0
--DIVISIONAL DATA-----> SOUTHERN 02			69.6	2.2											.75	-3.57			.0					
DOVER	81.8	61.0	71.4	1.5	90	27+	46	16	14	215	5	0	0	0	1.36	-3.20	.73	15	.0	0		3	1	0
GREENWOOD 2NE	81.4	57.1	69.3	2.4	89	9+	46	16	25	161	0	0	0	0	2.09	-2.02	1.15	11	.0	0		2	2	1
LEWES	81.0	64.1	72.6	2.4	91	26+	52	30	3	238	2	0	0	0	1.12	-2.65	.73	15	.0	0		2	1	0
--DIVISIONAL DATA----->			71.1	2.8											1.52	-2.63			.0					

MARYLAND AND DELAWARE
 SEPTEMBER 2007

DAILY PRECIPITATION (INCHES)

STATION	TOTAL	DAY OF MONTH																															
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND																																	
SOUTHERN EASTERN SHORE 01																																	
ASSATEAGUE	1.09										.20			.32	.57																		
PRINCESS ANNE	M .83	-	-	-					-	-		.50		.30							.03	-	-									-	-
SALISBURY	1.16										.24	.46	T		.46																		
SALISBURY FAA AP	1.45									T	.31	.53			.49																		T
SNOW HILL 4 N	1.56											1.00			.56																		
CENTRAL EASTERN SHORE 02																																	
ROYAL OAK 2 SSW	2.92									T		1.69			1.23																		
VIENNA	1.76										.17	.04			1.40																		.15
LOWER SOUTHERN 03																																	
MECHANICSVILLE 5 NE	1.35											.52	.05		.78								T	T									
SOLOMONS	M 1.36		-						*	*	*	*	*	.58	.75							*	.03										-
UPPER SOUTHERN 04																																	
BALTIMORE WASH INTL AP R	.35										.14	.09		.10	.02								T								T	T	
BELTSVILLE	1.32											.94	.10																				.28
DALECARLIA RESERVOIR	.47										.24	.05			.10																		
GLENN DALE BELL STN	M					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAUREL 3 W	M										.25			.03	.20																		.14
MD SCI CTR BALTIMORE R	.87	.01									.19	.05		.12	.03																		.47
NATL ARBORETUM DC	.73										.45	.10			.16																		.02
OXON HILL	.84										.36	.05			.34								.05	T									.04
UPPER MARLBORO 3 NNW	.94										.48	.05			.41																		
NORTHERN EASTERN SHORE 05																																	
CHESTERTOWN	.58										.30			T	.23									.02									.03
NORTHERN CENTRAL 06																																	
ABERDEEN PHILLIPS FLD	.91										.72	T			.17																		.02
BRIGHTON DAM	.93										.25			.08	.10																		.50
CATOCTIN MTN PARK	1.78										.26			.01	.15								.02								.04	1.30	
CONOWINGO DAM	.64										.05	.24			.20								.05										.10
CYLBURN	.65										.08	.12			.20																		.25
FREDERICK 2 NNE	.98										.16	.25			.17								.05										.35
MILLERS 4 NE	.71										T	.21		.02	.12												.25						.11
POTOMAC FLTR PLT	1.44										.02	.63		.15	.05																	.41	.18
ROCKVILLE 1 NE	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMITHSBURG 2NW	.64										.06	.23			.15																		.07
APPALACHIAN																																	

MARYLAND AND DELAWARE
 SEPTEMBER 2007

DAILY PRECIPITATION (INCHES)

STATION	TOTAL	DAY OF MONTH																																
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MOUNTAIN 07																																		
CUMBERLAND 2	1.69										.05	.20	.20			.72													.08	.44				
FROSTBURG 2	1.88										.15	.26	.39			.49													.01	.58				
SHARPSBURG 5 S	M 1.02										T	.17	.30			.14							-	-	-			.04	.33	.04				
WILLIAMSPORT	2.32												.22			.08												1.54	.45	.03				
ALLEGHENY PLATEAU 08																																		
OAKLAND 1 SE	2.85						.03				.10	.75	.25			.27													.10	1.35				
SAVAGE RIVER DAM	1.70											.49	.54			.30													.19	.18				
DELAWARE																																		
NORTHERN 01																																		
BEAR 2 SW	.75										.01	.43			.03	.12													T	T				
NEWARK UNIV FARM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WILMINGTON NEW CASTLE R	.49											.19			.09															T				
WILMINGTON PORTER RSVR	1.00										T	.45			.03	.14														.31	.07			
SOUTHERN 02																																		
DOVER	1.36											.32			.73															.31				
GREENWOOD 2NE	2.09										T	1.15			.94																			
LEWES	1.12										.04	.03			.73															.32				

MARYLAND AND DELAWARE
SEPTEMBER 2007

DAILY TEMPERATURES (°F)

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE		
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
NATL ARBORETUM DC	07	MAX	93	86	88	87	93	93	91	92	92	90	91	76	80	83	79	71	71	74	77	81	75	86	87	88	87	90	92	88	80	79	84.7			
		OBS	60	***	61	64	65	64	69	70	70	65	69	73	61	57	63	64	49	49	52	54	56	58	64	64	52	58	61	67	67	59	49	61.1		
		MIN	60	***	61	64	65	64	69	70	70	65	69	73	61	57	63	64	49	49	52	54	56	58	64	64	52	58	61	67	67	59	49	61.1		
OXON HILL	08	MAX	87	84	83	88	92	92	90	92	92	89	91	77	81	84	80	72	70	72	73	77	75	85	86	87	84	89	91	88	81	78	83.7			
		OBS	64	61	62	63	66	66	70	69	66	66	74	65	58	58	65	52	49	50	54	58	58	60	69	55	59	66	68	68	59	52	61.7			
		MIN	64	61	62	63	66	66	70	69	66	66	74	65	58	58	65	52	49	50	54	58	58	60	69	55	59	66	68	68	59	52	61.7			
UPPER MARLBORO 3 NNW	08	MAX	86	83	83	88	91	89	89	91	94	89	92	77	80	81	78	71	69	72	73	78	74	82	86	86	83	88	92	87	81	78	83.0			
		MIN	57	57	58	63	61	65	66	65	61	64	72	60	53	56	63	44	44	47	51	53	54	58	65	50	53	59	64	65	55	48	57.7			
NORTHERN EASTERN SHORE 05																																				
CHESTERTOWN	23	MAX	82	82	84	89	89	89	90	89	89	90	78	78	82	79	80	67	71	72	71	76	85	86	85	85	86	90	90	81	75	80	82.3			
		MIN	60	64	60	64	64	65	68	67	64	72	70	61	53	64	60	46	48	48	53	53	58	68	67	53	59	64	67	65	57	52	60.5			
NORTHERN CENTRAL 06																																				
ABERDEEN PHILLIPS FLD	16	MAX	83	80	83	89	89	90	90	90	90	90	90	78	82	82	77	70	71	72	78	78	85	85	85	83	85	87	88	86	80	77	83.1			
		MIN	57	58	59	62	61	69	69	71	65	74	73	60	57	69	60	46	48	50	55	53	57	63	67	51	55	66	66	68	54	51	60.5			
		OBS																																		
CATOCTIN MTN PARK	17	MAX	78	79	82	83	84	85	88	88	83	84	73	72	76	73	66	64	67	70	75	80	82	86	85	81	89	89	83	80	74	74	79.1			
		MIN	55	56	59	64	65	65	66	66	64	68	66	55	52	61	53	43	44	47	50	57	59	65	57	54	60	67	63	59	49	50	58.0			
CONOWINGO DAM	07	MAX	86	87	87	89	91	90	90	91	92	88	93	78	82	82	80	80	71	76	78	85	78	82	89	82	89	91	89	80	80	84.6				
		MIN	60	60	58	62	61	63	63	65	66	66	72	58	60	62	64	48		48	51	51	60	60	61	56	56	56	64	65	60	50	59.5			
CYLBURN	08	MAX	80	80	79	84	88	86	85	88	89	85	88	86	75	79	77	76	63	68	71	74	75	81	82	79	82	87	90	85	75	71	80.3			
		OBS	***	***	***	***																														
		MIN	56	56	57	63	61	62	68	66	66	73	70	59	53	54	59	43	44	48	49	52	53	58	60	52	51	58	63	63	55	50	57.4			
		OBS	***	***	***	***											53																			
FREDERICK 2 NNE	07	MAX	84	82	83	87	88	90	90	94	93	89	88	73	76	81	76	68	67	72	75	79	81	87	88	84	86	92	92	88	78	76	82.9			
		MIN	56	56	57	60	62	62	65	68	65	67	71	61	52	52	62	42	42	42	46	49	51	54	64	49	49	58	64	65	52	47	56.3			
MILLERS 4 NE	18	MAX	79	80	84	85	86	87	89	90	86	85	81	73	78	75	67	65	69	72	77	80	84	86	84	83	89	90	85	80	74	76	80.6			
		MIN	55	50	57	59	58	63	65	65	61	68	66	53	48	62	55	41	37	42	44	50	51	62	60	47	54	61	62	60	51	44	55.0			
ROCKVILLE 1 NE	17	MAX																																	M	
		MIN																																		M
SMITHSBURG 2NW	08	MAX	81	80	81	86	85	86	88	89	85	88	86	73	73	79	74	74	65	70	73	78	82	84	88	88	88	90	89	85	75	75	81.3			
		OBS				76																														
		MIN	50	51	57	55	59	60	66	57	61	66	70	55	47	47	59	38	38	40	47	47	50	56	56	46	46	62	64	61	46	44	53.4			
		OBS				36					50																									
APPALACHIAN MOUNTAIN 07																																				
CUMBERLAND 2	18	MAX	84	85	91	92	90	94	96	95	90	88	82	78	81	77	69	67	73	77	80	84	88	94	89	88	92	91	87	75	77	77	84.4			
		MIN	55	56	60	60	64	64	64	67	68	71	60	49	49	57	55	55	40	43	47	50	53	55	64	50	51	55	65	63	49	45	45	55.8		
		OBS															40																			

MARYLAND AND DELAWARE
SEPTEMBER 2007

DAILY TEMPERATURES (°F)

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE	
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
FROSTBURG 2	07	MAX	76	75	77	79	82	81	83	86	87	79	78	70	67	74	70	57	61	65	69	73	76	80	80	77	77	85	81	78	66	68	75.2		
		MIN	49	50	52	57	58	59	60	64	62	62	64	53	46	47	49	36	36	40	44	45	50	50	56	49	49	56	60	55	44	44	51.5		
SHARPSBURG 5 S	07	MAX	83	82	84	88	88	91	92	94	94	91	89	72	77	82	75	68	68	72	75	79	84	86	90	85	85	93	93	89	77	77	83.4		
		OBS																					***	***	***										
		MIN	50	50	52	57	58	60	69	67	64	64	67	53	48	48	58	38	38	39	45	46	49	52	59	46	46	53	62	61	45	43	52.9		
		OBS																					***	***											
WILLIAMSPORT	06	MAX	82	82	82	87	88	88	90	91	91	88	87	75	77	80	74	69	67	72	75	77	83	85	90	85	83	91	92	86	77	76	82.3		
		OBS												56																	86				
		MIN	56	55	55	58	60	63	64	64	66	66	67	56	52	51	60	43	41	40	46	47	51	53	63	50	49	52	62	64	51	47	55.1		
ALLEGHENY PLATEAU 08																																			
OAKLAND 1 SE	07	MAX	75	72	81	81	82	84	88	86	84	82	80	69	68	73	73	56	61	64	64	74	74	79	80	80	82	82	83	79	67	70	75.8		
		OBS	72	81	81	82	84	88	86	84	82	80	69	68	73	73	56	61	64	64	74	74	79	80	80	82	82	83	79	67	70	73			
		MIN	43	49	51	52	55	56	56	58	58	58	52	42	42	48	33	33	33	42	43	44	47	53	42	44	45	56	55		38	39	47.1		
		OBS																																	
SAVAGE RIVER DAM	08	MAX	80	74	74	82	84	83	85	86	86	83	82	71	70	72	69	59	59	63	67	72	75	79	81	80	76	85	83	78	68	71	75.9		
		MIN	52	51	51	56	57	58	62	64	63	63	67	55	46	46	53	37	38	42	45	46	49	51	51	47	47	54	60	59	45	42	51.9		
DELAWARE NORTHERN 01																																			
BEAR 2 SW M	MID	MAX	81	81	84	86	85	85	91	90	85	89	77	77	80	78	71	67	71	72	78	75	85	84	81	82	87	91	85	79	76	77	81.0		
		MIN	56	51	54	61	58	66	64	65	62	72	70	54	51	64	53	43	43	44	49	50	52	61	53	47	53	58	63	59	49	46	55.7		
NEWARK UNIV FARM	17	MAX																																M	
		MIN																																	M
WILMINGTON NEW CASTLE M	MID	MAX	83	81	85	87	85	86	88	89	86	90	78	78	79	81	73	68	73	74	79	77	84	84	83	82	88	92	85	81	78	79	81.9		
		MIN	58	55	61	65	61	68	70	68	67	75	69	56	54	67	50	45	46	47	51	54	55	66	57	52	60	64	68	60	53	51	59.1		
WILMINGTON PORTER RSVRM	MID	MAX	79	78	83	83	84	84	87	89	86	88	76	73	78	76	69	64	68	70	75	76	81	82	78	80	85	89	83	77	73	75	79.0		
		MIN	61	59	60	67	65	66	68	67	75	74	61	61	59	64	57	48	50	52	53	56	52	65	66	60	60	64	68	60	55	56	61.0		
SOUTHERN 02																																			
DOVER	16	MAX	82	79	85	89	89	86	90	90	90	86	85	78	78	80	79	68	70	71	75	78	79	82	81	80	86	90	90	84	77	76	81.8		
		MIN	63	58	61	67	65	68	67	67	63	70	62	61	55	63	60	46	53	55	54	55	60	66	60	57	63	67	70	64	58	51	61.0		
GREENWOOD 2NE	07	MAX	86	83	80	85	89	86	88	89	89	85	87	81	81	80	80	73	69	70	71	74	74	81	84	84	80	85	88	84	80	76	81.4		
		MIN	59	54	56	57	60	62	65	64	60	60	69	57	53	59	64	46	47	49	53	53	54	59	65	52	51	55	65	65	53	47	57.1		
LEWES	17	MAX	80	79	85	86	85	87	89	88	86	88	91	78	80	80	80	72	70	70	73	74	76	83	79	78	86	91	83	79	76	81.0			
		MIN	69	60	61	69	67	67	69	67	65	71	72	67	60	67	62	58	55	62	63	58	61	67	71	59	59	67	71	68	60	52	64.1		
		OBS																																	

PAN EVAPORATION AND WIND

STATION		DAY OF MONTH																														TOTAL OR AVERAGE
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
MARYLAND UPPER SOUTHERN 04 BELTSVILLE	WIND	75	*	*	130	37	30	66	79	*	81	37	41	47	36	*	*	157	28	27	25	11	*	*	133	22	44	36	47	-	-	1274
	EVAP	25	*	*	69	26	22	28	29	*	47	25	8	24	18	*	*	39	16	16	15	5	*	*	64	18	26	20	32	-	-	6.13
	MAX	87	-	-	88	88	88	88	90	-	90	88	74	80	82	-	-	75	76	78	82	71	-	-	88	85	85	86	84	-	-	83.5
	MIN	67	-	-	57	61	65	65	66	-	63	71	58	54	54	-	-	45	50	51	53	56	-	-	50	54	61	61	64	-	-	58.4
UPPER MARLBORO 3 NNW	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	EVAP	-	-	-	-	20	17	19	*	*	49	17	6	20	15	*	*	49	15	13	13	6	*	*	51	15	*	38	14	-	-	4.71
	MAX	92	92	91	95	97	97	96	98	98	96	97	80	88	87	79	83	83	84	82	88	76	87	89	90	88	89	92	88	84	84	89.0
	MIN	63	62	62	62	65	65	68	68	65	65	73	62	58	58	66	49	49	50	52	55	57	62	68	56	56	59	63	66	52	52	60.3

Evaporation: Is measured in hundreths of inches.

Wind: Is measured in miles.

Max and Min: The maximum and minimum temperatures (Fahreheit) of the water in the evaporation pan.

STATION INDEX

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER
							LOCAL STD TIME				
							TEMP	PRECIP	EVAP	SPECIAL SEE (NOTES)	
MARYLAND											
ABERDEEN PHILLIPS FLD	0015	06	HARFORD	39 28	76 10W	57	16	16		C H	US ARMY ABERDEEN TEST CT
ASSATEAGUE	0335	01	WORCESTER	38 4	75 13W	10	MID	MID		H	ASSATEAGUE IS NATL SEA
BALTIMORE WASH INTL AP R	0465	04	ANNE ARUNDEL	39 10	76 41W	156	MID	MID		C HJ	ASOS - FAA
BELTSVILLE	0700	04	PRINCE GEORG	39 2	76 56W	145	08	08	08	C H	USDA AGRICULT RES SVC
BRIGHTON DAM	1125	06	MONTGOMERY	39 11	77 1W	330		07		H	WA SUBURB SANIT COMM
CATOCTIN MTN PARK	1530	06	FREDERICK	39 39	77 29W	1610	17	17		H	CATOCTIN MOUNTAIN PK
CHESTERTOWN	1750	05	KENT	39 13	76 3W	40	23	23		H	THOMAS W ELIASON JR
CLARKSVILLE 3 NNE	1862	06	HOWARD	39 15	76 56W	370	17	17		H	INACTIVE 12/02/2004
CONOWINGO DAM	2060	06	HARFORD	39 39	76 11W	40	07	07		H	SUSQUEHANNA ELECTRIC CO
CUMBERLAND 2	2282	07	ALLEGANY	39 39	78 45W	730	18	18		H	TIMOTHY B THOMAS
CYLBURN	2308	06	BALTIMORE (C	39 22	76 38W	400	08	08		H	CYLBURN ARBORETUM
DALECARLIA RESERVOIR	2325	04	PRINCE GEORG	38 56	77 7W	150	08	08		H	USA CORPS OF ENGINEERS
DAMASCUS 3 SSW	2336	06	MONTGOMERY	39 16	77 14W	697	22	22		H	INACTIVE 07/31/2007
EMMITSBURG 2 SE	2906	06	FREDERICK	39 41	77 17W	416	17	17		H	INACTIVE 10/01/2005
FREDERICK 2 NNE	3353	06	FREDERICK	39 26	77 24W	280	07	07		H	DIR PUBLIC WORK WTP
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2170	07	07		H	GREGORY P LATTA
GLENN DALE BELL STN	3675	04	PRINCE GEORG	38 58	76 48W	150	08	08		H	US NATL ARBORETUM
LAUREL 3 W	5111	04	PRINCE GEORG	39 5	76 54W	400	MID	MID		H	WA SUBURBAN SANITARY COM
MD SCI CTR BALTIMORE R	5718	04	BALTIMORE (C	39 17	76 37W	20	MID	MID		C H	ASOS - NWS
MECHANICSVILLE 5 NE	5865	03	ST. MARY'S	38 28	76 42W	100	07	07		H	SANDRA J HASTINGS
MILLERS 4 NE	5934	06	CARROLL	39 43	76 48W	860	18	18		C H	ROBERT MILLER
NATL ARBORETUM DC	6350	04	DISTRICT OF	38 55	76 58W	50	07	07		H	US NATIONAL ARBORETUM
OAKLAND 1 SE	6620	08	GARRETT	39 25	79 24W	2420	07	07		H	GARRETT CO MEM HOSPITAL
OXON HILL	6800	04	PRINCE GEORG	38 48	77 0W	120	08	08		H	BRIAN SMITH
POTOMAC FLTR PLT	7272	06	MONTGOMERY	39 2	77 15W	270		08		H	POTOMAC WATER FILT PLANT
PRINCESS ANNE	7330	01	SOMERSET	38 13	75 41W	20	17	17		H	UNIV OF MD EAST SHORE
ROCKVILLE 1 NE	7705	06	MONTGOMERY	39 6	77 9W	440	17	17		H	WASHINGTON GAS & ELEC CO
ROYAL OAK 2 SSW	7806	02	TALBOT	38 43	76 11W	10	18	18		H	JOHN L SWAINE JR
SALISBURY	8000	01	WICOMICO	38 22	75 35W	10	17	17		H	CITY OF SALISBURY
SALISBURY FAA AP	8005	01	WICOMICO	38 20	75 31W	48	MID	MID		H	FAA
SAVAGE RIVER DAM	8065	08	GARRETT	39 31	79 8W	1495	08	08	08	C H	USA CORPS OF ENGINEERS
SHARPSBURG 5 S	8207	07	WASHINGTON	39 24	77 43W	500	07	07		H	DAVID DOWNIN
SMITHSBURG 2NW	8371	06	WASHINGTON	39 40	77 35W	670	08	08		H	SMITHSBURG WWTP
SNOW HILL 4 N	8380	01	WORCESTER	38 14	75 23W	30	17	17		H	CURTIS E SHOCKLEY
SOLOMONS	8405	03	CALVERT	38 19	76 27W	12	08	08		H	CHESAPEAKE BIOLOGIC LAB
UPPER MARLBORO 3 NNW	9070	04	PRINCE GEORG	38 52	76 47W	100	08	08	08	H	UNIVERSITY OF MARYLAND
VIENNA	9140	02	DORCHESTER	38 29	75 49W	10	18	18		H	DELMARVA POWER & LIGHT
WILLIAMSPORT	9570	07	WASHINGTON	39 36	77 50W	360	06	06		H	R C WILSON TRTMT PLT
DELAWARE											
BEAR 2 SW	1200	01	NEW CASTLE	39 36	75 44W	80	MID	MID		H	R. GARY GALLAHER
DOVER	2730	02	KENT	39 16	75 31W	30	16	16		H	DEPT OF TRANSPORTATION
GREENWOOD 2NE	3595	02	SUSSEX	38 49	75 35W	45	07	07		H	DANIEL M SWARTZENTRUBER
LEWES	5320	02	SUSSEX	38 47	75 8W	15	17	17		H	BOARD OF PUBLIC WORKS
NEWARK UNIV FARM	6410	01	NEW CASTLE	39 40	75 45W	90	17	17	17	C H	UNIV OF DE AGR FARM
WILMINGTON NEW CASTLE R	9595	01	NEW CASTLE	39 40	75 36W	79	MID	MID		C HJ	ASOS - FAA
WILMINGTON PORTER RSVR	9605	01	NEW CASTLE	39 46	75 32W	270	MID	MID		H	WILMINGTON WATER DEPT

REFERENCE NOTES

DEFINITIONS

STATION NAMES: Name of the city, town or locality. Figures and letters following the station names indicate the distance in miles and direction from the post office or town community center.

DIVISIONS: Areas within a state of similar climatological characteristics. Division averages are calculated using data from stations that record both temperature and precipitation (i.e. not precipitation alone).

NORMALS: The average value of the meteorological element over a time period. Effective 1 January 2002, the averaging period is 1971 to 2000. The normals for National Weather Service localities have been adjusted so as to be representative for the current observation site.

MONTHLY DEGREE DAY TOTALS: One heating (cooling) degree day is accumulated for each whole degree that the daily mean temperature is below (above) 65 degrees Fahrenheit.

PRECIPITATION: Values shown in hundredths of inches are water equivalent totals, i.e., total of liquid and melted frozen precipitation. In the "Monthly Summarized Data" table the total snow and sleet values shown in tenths of inches are unmelted amounts. The max depth on ground values of snow and sleet shown in whole inches are cumulative unmelted amounts. The number of days with .10, .50, 1.00 or more refers to water equivalents.

PRECIPITATION QUALITY CONTROL: The NCDC quality control process may delete precipitation data that are spatially inconsistent; exceed climatological limits, or are inconsistent with prevailing weather patterns.

TEMPERATURE: Original and edited temperature values are given in the "Daily Temperature" table. Edited values are produced when an original value is missing or when surrounding stations indicated a suspect original value. When a line labeled OBS is present and contains either a daily temperature (suspect) or *** (missing), the temperature appearing directly above, on the line labeled MAX or MIN, is an edited value. Summary temperature information (averages, departures, extremes, monthly degree day totals) is based on the values labeled MAX/MIN.

WIND: (As shown in the "Evaporation and Wind" table) the total wind movement in miles over the evaporation pan as determined by an anemometer recorder located 6-8 inches above the pan.

SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

Thermometers located in a rooftop shelter.
// Rain gage equipped with a windshield
AR Observation made "after rain" has occurred.
C Station is equipped with recording rain gage (R) but values in this bulletin are from a non-recording rain gage unless indicated by an R.
G Observations appear in the "Soil Temperatures" table.
H Observations appear in the "Snowfall and Snow on the Ground" table.
J Station also published as a Local Climatological Data publication.
MID Observation time is midnight.
MO Rain gage read once monthly, usually the last day.
OC Rain gage readings vary from a few weeks to several months.
R Amounts from recording rain gage.
SR Observation time near sunrise.

SS Observation time near sunset.
VAR Observation time varies.
WI Rain gage read weekly or irregularly.
WM Rain gage read weekly and last day of the month.

SYMBOLS AND LETTERS USED IN THE DATA TABLES

(DAILY DATA ARE FOR THE 24 HOURS IMMEDIATELY PRECEDING OBSERVATION TIME.)

BLANK Entries in the "Monthly Summarized Data" table indicate no record.

BLANK Entries in the "Daily Precipitation" and "Snowfall and Snow on the Ground" tables indicate zero.

BLANK Entries in the "Daily Temperature" table indicate a missing record where an edited value could not be determined. (See *** below)

- No record. Data not recorded, determined unreliable by quality control check, or not received in time for publication.

+ Precipitation or temperature extremes occurred on one or more previous dates during the month.

*** Missing original temperature which has been estimated during edit.

* Rain gage not read. Precipitation is included in the amount following the asterisks. Time distribution not known. A * preceding the monthly total indicates precipitation amount is being carried forward to next months total, and may include amounts from the previous month(s).
// Rain gage equipped with a windshield.

A Amount of precipitation is the total of observer's entries for the current month. It may include precipitation that occurred during the previous month. Refer to earlier bulletin to determine date of last reading. (Hawaii stations)

B Adjusted monthly value (estimated), (1-7 missing values for wind and evaporation).

M Insufficient or partial data. M is appended to average and/or total values computed with 1-9 daily values missing. M appears alone if 10 or more daily values are missing, (8 or more for wind and evaporation).

R Amounts from recording rain gage.

T Trace. An amount too small to measure.

V Includes total for previous month(s). (See * above)

SEASONAL TABLES: Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data are published in the July issue of this bulletin. Cooling degree days for the calendar year are published in the "Climatological Data Annual Summary."

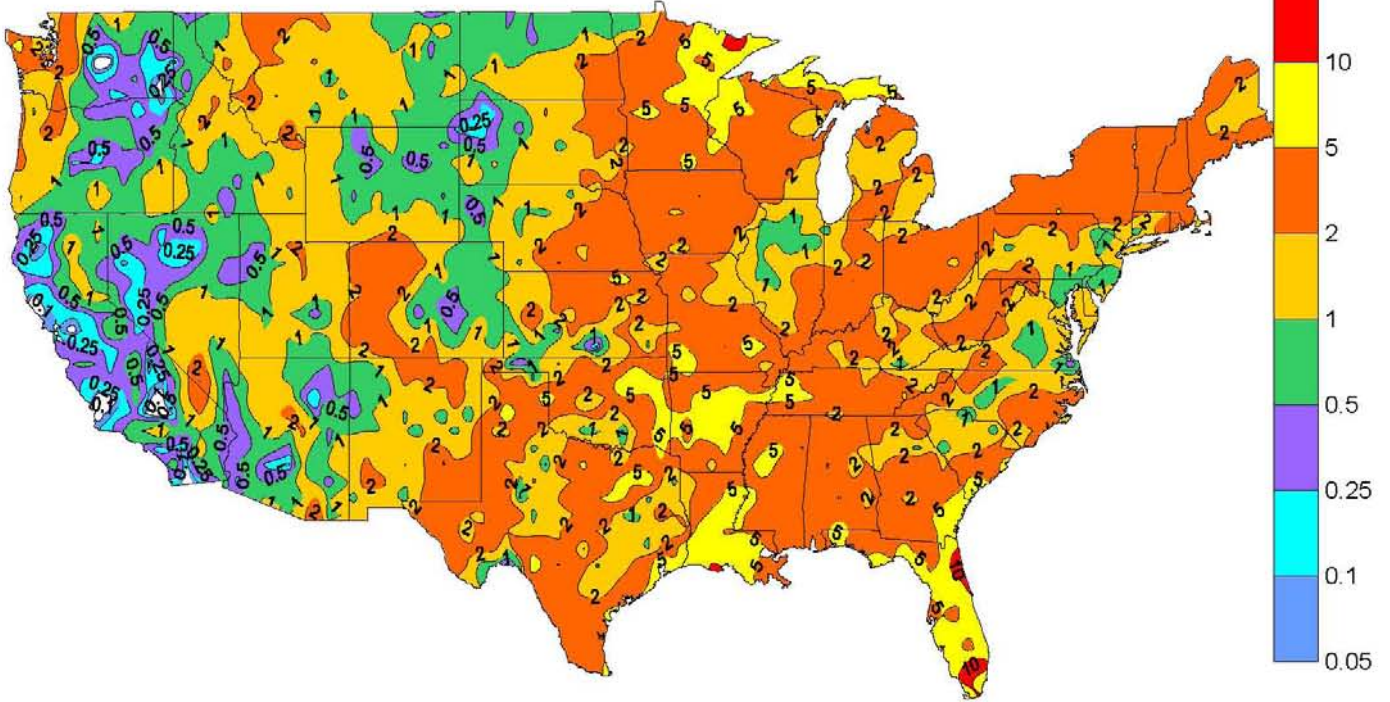
Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Climatic Data Center. Historical information of regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication. The contents of this publication may be reprinted or otherwise used freely, with proper credit to the National Climatic Data Center. The data are also available in digital form on magnetic tape and diskette.

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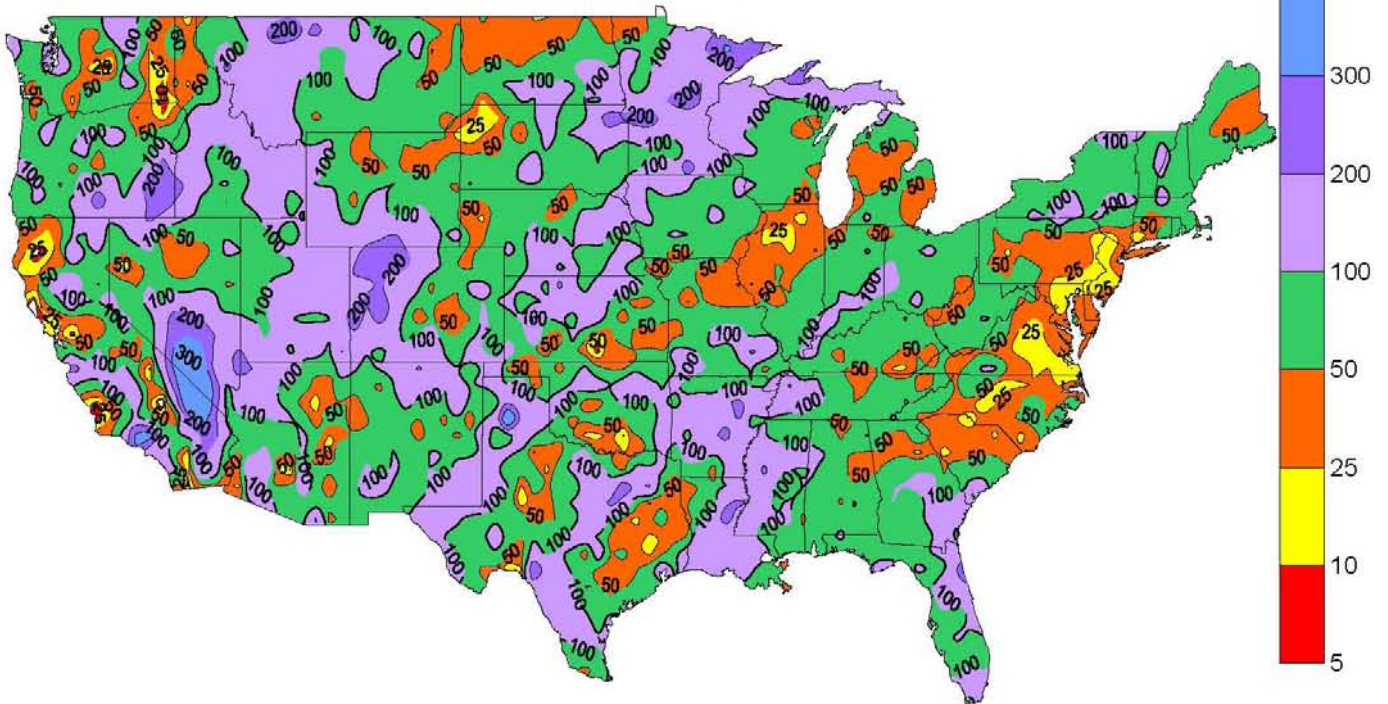
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Total Precipitation (Inches)
September 2007



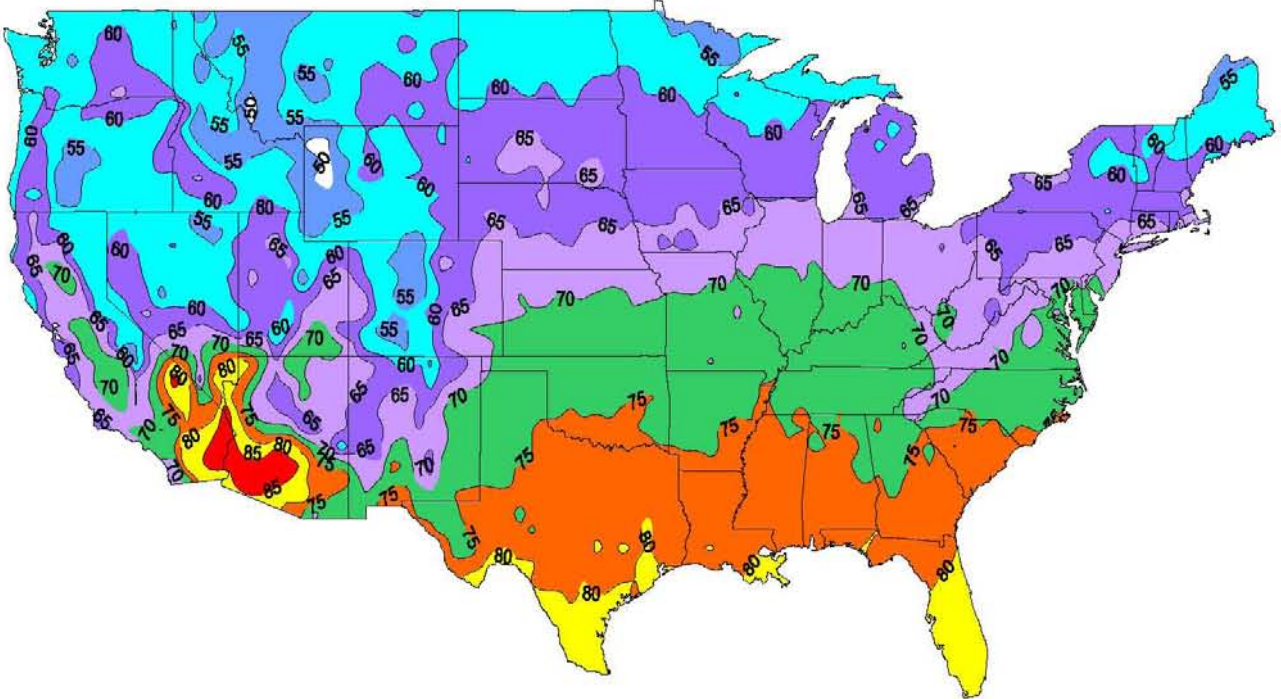
Percent of Normal
September 2007



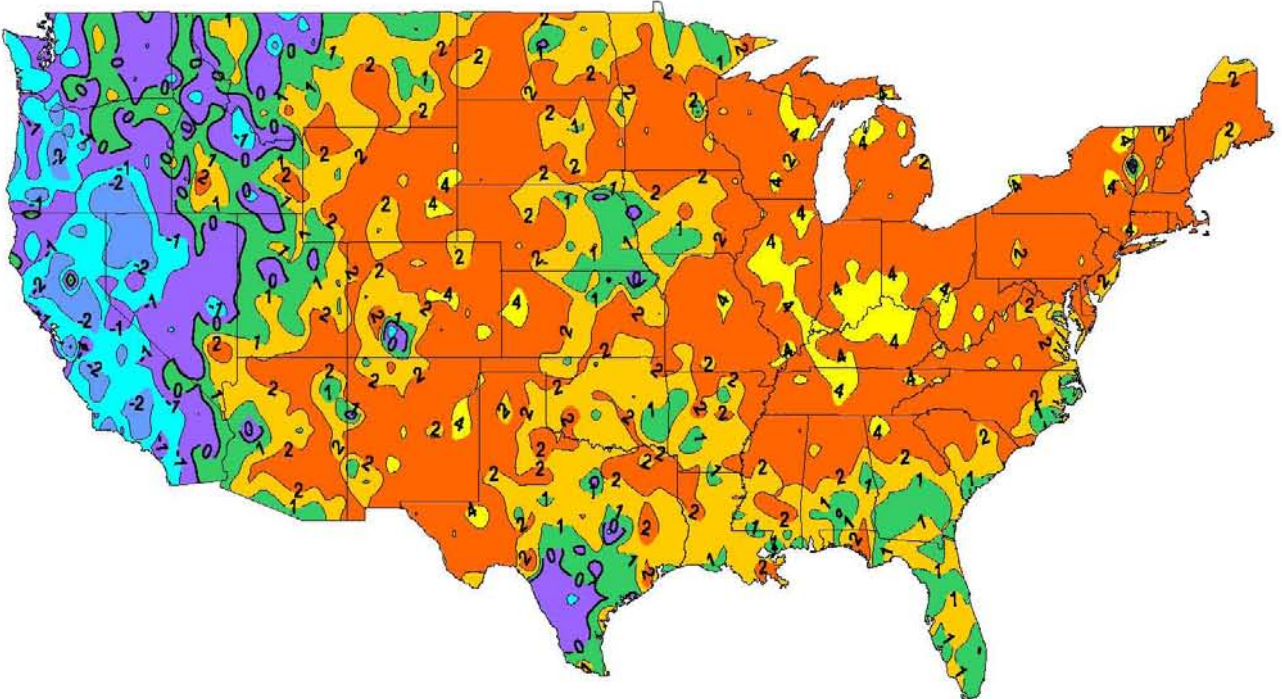
NOTE Contour maps are computer-generated and intended to show general temperature and precipitation patterns. Therefore, contours may not always account for individual datum points.

National Climatic Data Center, NOAA

Average Temperature (Degrees F)
September 2007

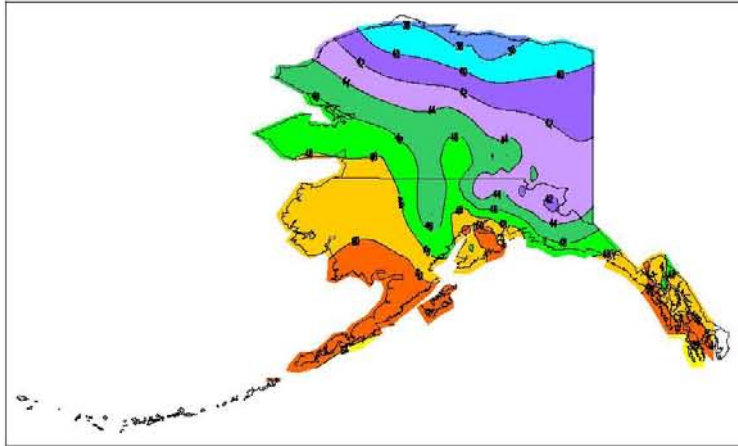


Departure of Average Temperature from Normal (Degrees F)
September 2007

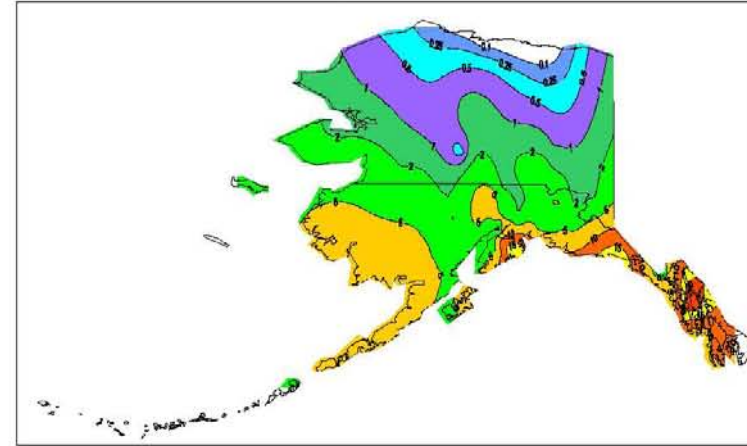


NOTE Contour maps are computer-generated and intended to show general temperature and precipitation patterns. Therefore, contours may not always account for individual datum points.

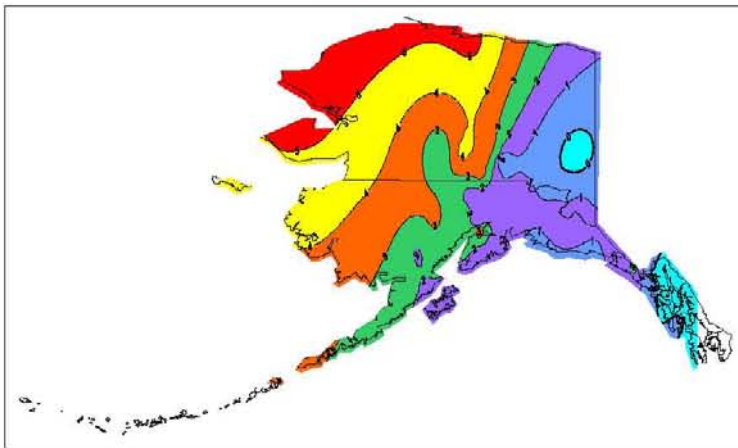
Average Temperature (Degrees F)
September 2007



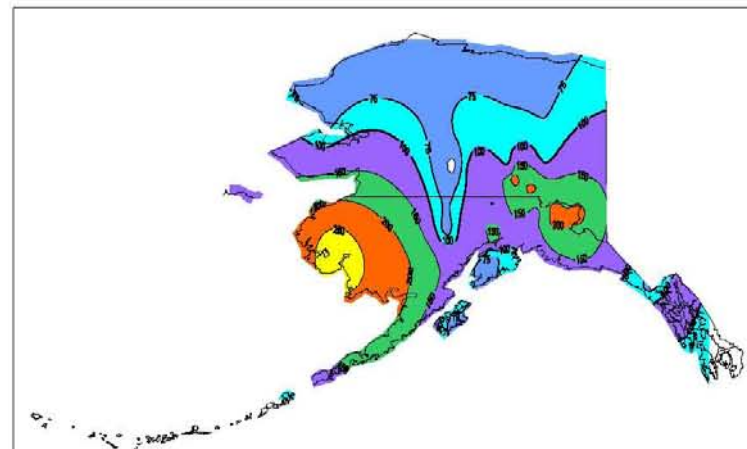
Alaska Precipitation (Inches)
September 2007



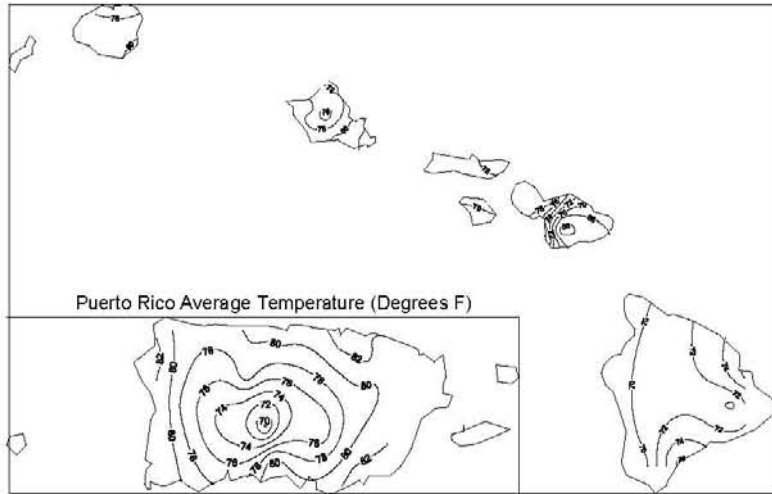
Departure of Average Temperature from Normal (Degrees F)
September 2007



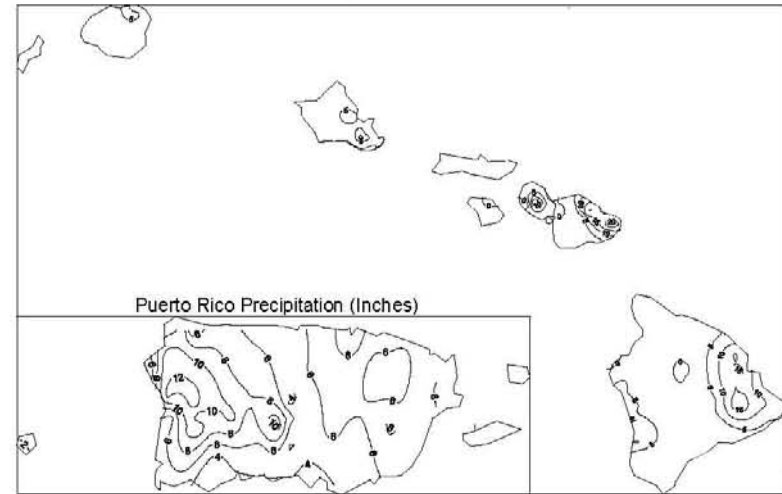
Percent of Normal Precipitation
September 2007



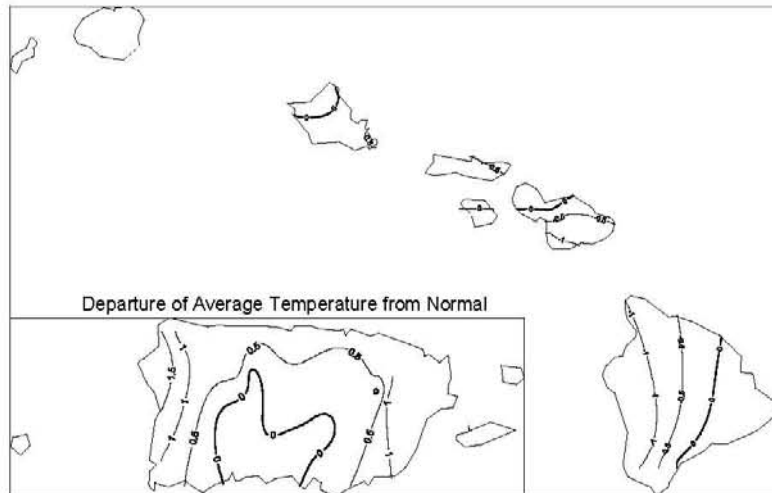
Hawaii Average Temperature (Degrees)
September 2007



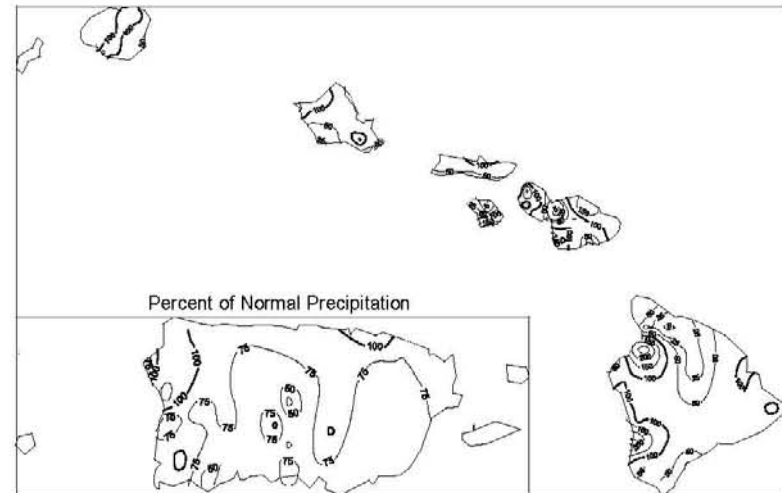
Hawaii Precipitation (Inches)
September 2007



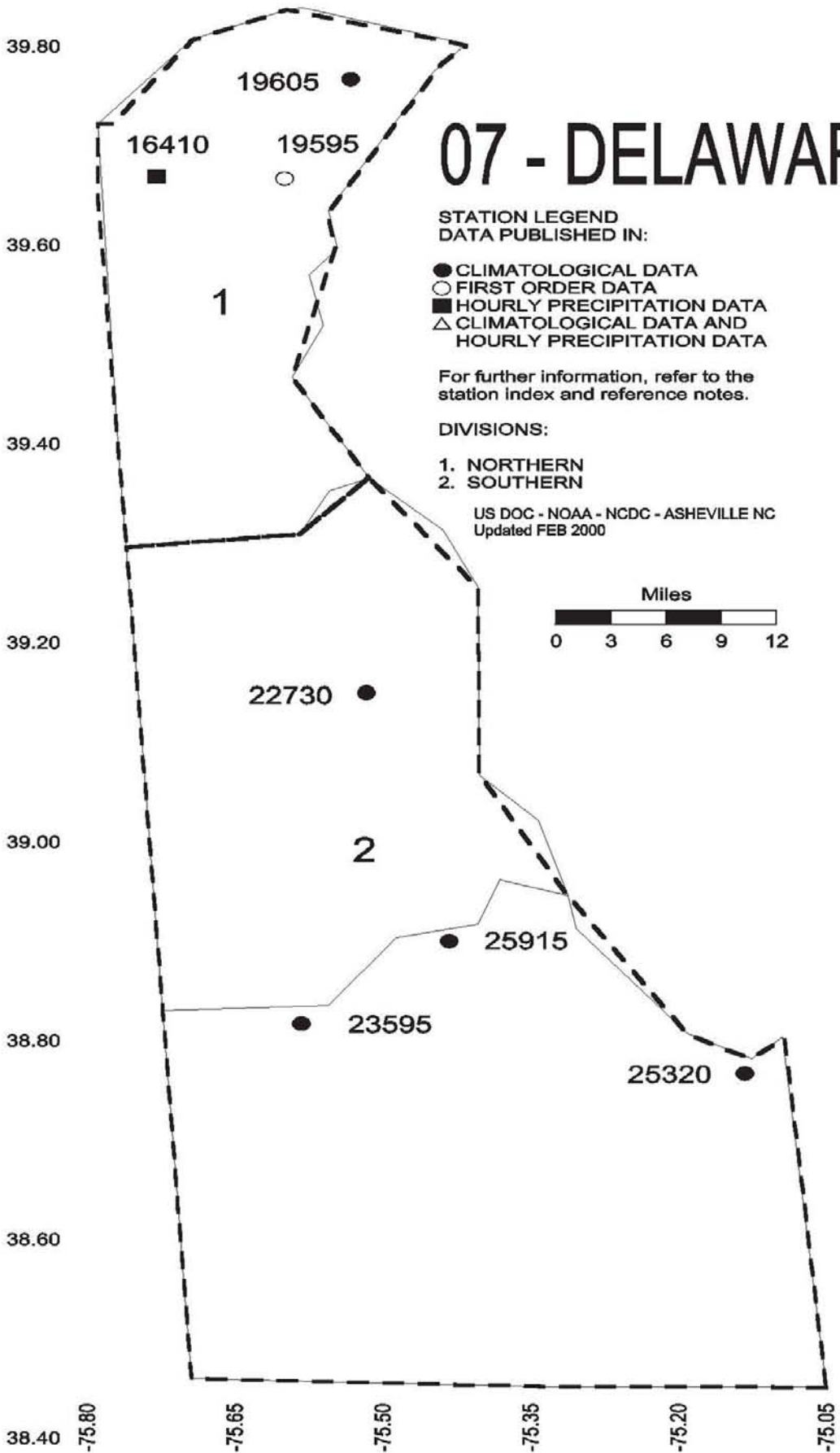
Departure of Average Temperature from Normal (Degrees)
September 2007

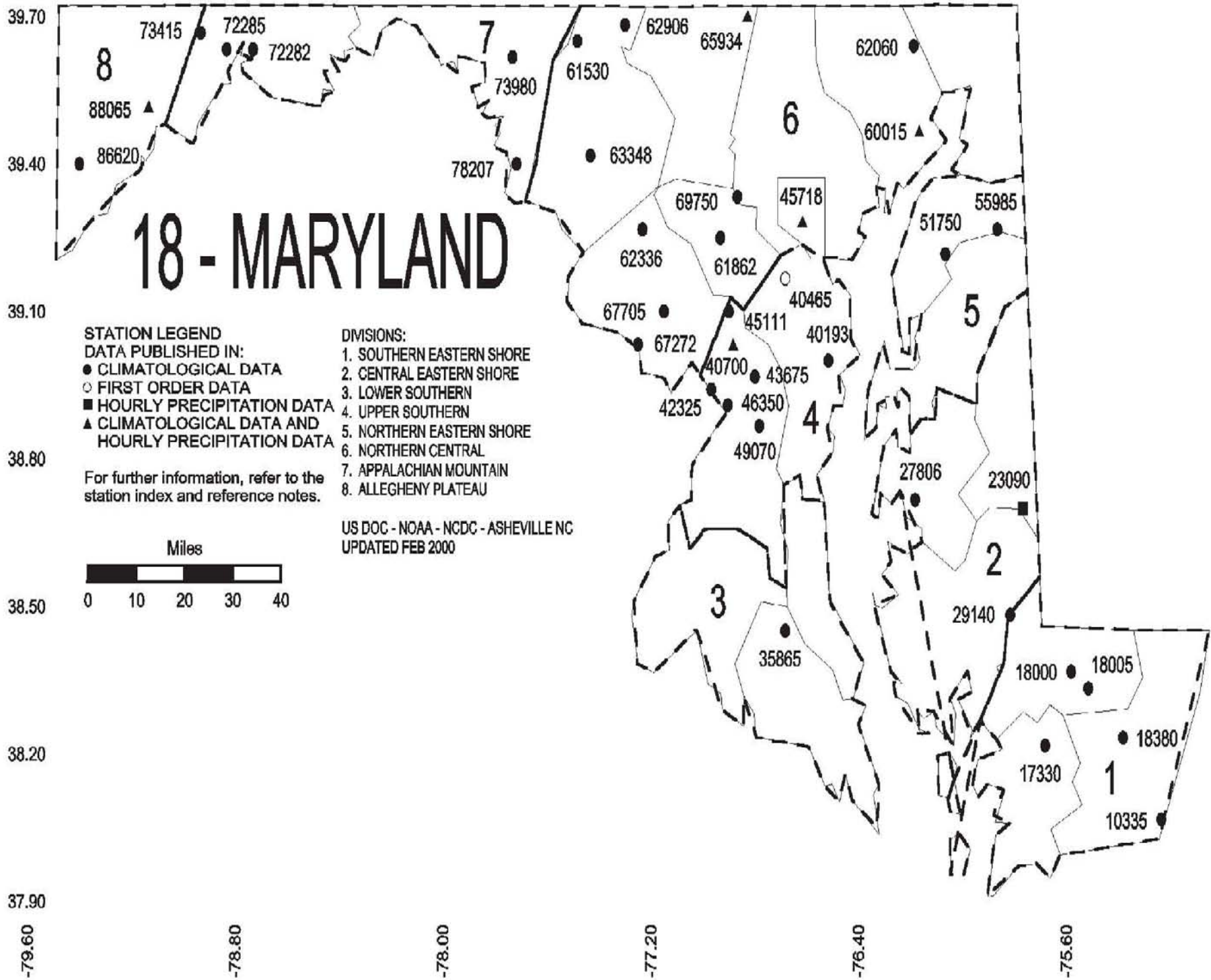


Hawaii Percent of Normal Precipitation
September 2007



07 - DELAWARE





These and other publications are available from the National Climatic Data Center

Hourly Precipitation Data

This publication contains hourly precipitation amounts obtained from recording rain gages located at National Weather Service, Federal Aviation Administration, and cooperative observer stations. Published data are displayed in inches and tenths or inches and hundredths at local standard time. HPD includes maximum precipitation for nine (9) time periods from 15 minutes to 24 hours, for selected stations.

Climatological Data

Monthly editions contain station daily maximum and minimum temperatures and precipitation. Some Stations provide daily snowfall, snow depth, evaporation, and soil temperature data. Each edition also contains monthly summaries for heating and cooling degree days (65 degree F base). The July issue contains a recap of monthly heating degree days and snow data for the preceding July through June.

The Annual issue contains monthly and annual averages of temperature, precipitation, temperature extremes, freeze data, soil temperatures, evaporation, and a recap of monthly cooling degree days.

Storm Data

Monthly issues contain a chronological listing, by states, of occurrences of storms and unusual weather phenomena. Reports contain information on storm paths, deaths, injuries, and property damage. An "Outstanding storms of the month" section highlights severe weather events with photographs, illustrations, and narratives. The December issue includes annual tornado, lightning, flash flood, and tropical cyclone summaries.

Monthly Climatic Data for the World

This publication contains monthly means for temperature, pressure, precipitation, vapor pressure, and sunshine for approximately 2,000 surface data collection stations worldwide and monthly mean upper air temperatures, dew point depressions, and wind velocities for approximately 500 observing sites.

Local Climatological Data

LCD publications summarize temperature, relative humidity, precipitation, cloudiness, wind speed and direction observations for several hundred cities in the U.S. and its territories. Each monthly publication also contains 3 hourly weather observations for that month and a hourly summary of precipitation. Annual LCD publications contain a summary of the past calendar year as well as historical averages and extremes.

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