



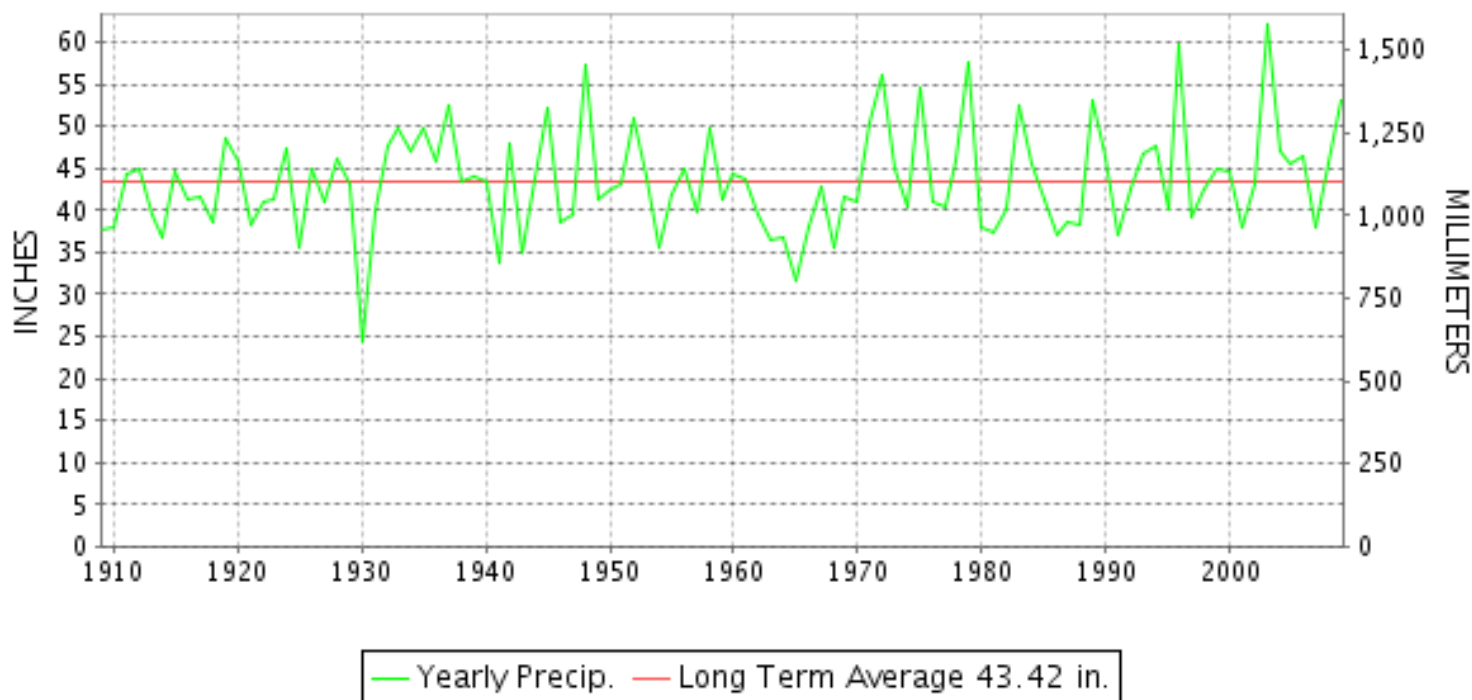
CLIMATOLOGICAL DATA ANNUAL SUMMARY MARYLAND AND DELAWARE

2009

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YEARLY TOTAL PRECIPITATION



MARYLAND AND DELAWARE PRECIPITATION 1909-2009

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TOTAL PRECIPITATION AND DEPARTURE FROM NORMAL (INCHES)

MARYLAND AND DELAWARE
2009

STATION	JAN		FEB		MAR		APR		MAY		JUN	
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
MARYLAND												
SOUTHERN EASTERN												
SHORE 01												
ASSATEAGUE	2.10	-2.24	.52	-3.07	4.37	.11	M		3.00	-.60	5.43	2.58
PRINCESS ANNE	M		M		M 2.85		5.83	2.60			3.95	.82
SALISBURY	1.91	-2.11	.37	-3.08	2.53	-2.02	5.05	1.71	4.65	.98	8.77	5.15
SALISBURY FAA AP	1.17	-2.92	.24	-3.32	1.43	-3.19	4.44	1.03	5.18	1.31	6.57	3.00
SNOW HILL 4 N	1.78	-2.24	.37	-3.04	2.90	-1.77	6.13	2.89	5.51	1.87	4.12	.69
--DIVISIONAL DATA----->	1.74	-2.26	.38	-3.04	2.81	-1.67	5.36	2.10	4.59	.97	5.77	2.39
CENTRAL EASTERN												
SHORE 02												
ROYAL OAK 2 SSW	2.53	-1.58	.33	-3.02	3.22	-1.22	6.07	2.57	6.64	2.51	5.04	1.57
VIENNA	1.76	-1.98	.66	-2.67	M 2.12		4.45	1.12	5.48	1.96	6.79	3.07
--DIVISIONAL DATA----->	2.15	-1.83	.50	-2.81	3.22	-1.07	5.26	1.87	6.06	2.15	5.92	2.37
LOWER SOUTHERN 03												
MECHANICSVILLE 5 NE	2.39	-1.60	.35	-3.02	3.19	-1.44	4.93	1.44	4.65	.43	4.38	.11
SOLOMONS	M 2.08		.40		2.84		3.65		7.26		M 5.33	
--DIVISIONAL DATA----->	2.39	-1.33	.38	-2.64	3.02	-1.29	4.29	1.09	5.96	1.82	4.38	.60
UPPER SOUTHERN 04												
BALTIMORE WASH INTL AP R	2.73	-.74	.26	-2.76	2.07	-1.86	5.80	2.80	8.42	4.53	5.52	2.09
BELTSVILLE	3.02	-.41	.26	-2.43	2.28	-1.59	5.06	1.73	8.81	4.27	7.50	3.91
DALECARLIA RSVR	3.25	-.23	.17	-2.84	2.24	-1.89	5.25	1.71	8.22	3.80	7.28	3.59
LAUREL 3 W	3.34	-.18	.38	-2.63	3.04	-1.13	6.22	2.61	7.86	3.11	7.11	3.19
MD SCI CTR BALTIMORE R	2.65		.34		1.87		6.20		6.36		4.82	
NATL ARBORETUM DC	3.08	-.49	.25	-2.59	2.24	-1.68	4.08	.82	7.73	3.44	6.74	3.11
OXON HILL	3.06		.45		2.45		4.84		8.96		6.43	
UPPER MARLBORO 3 NNW	3.03	-.46	.28	-2.48	1.85	-2.05	5.07	1.79	6.57	2.26	5.60	1.77
--DIVISIONAL DATA----->	3.02	-.53	.30	-2.62	2.26	-1.76	5.32	1.98	7.87	3.43	6.38	2.72
NORTHERN EASTERN												
SHORE 05												
CHESTERTOWN	2.05	-1.51	.43	-2.60	2.46	-1.70	5.26	1.92	5.57	1.48	4.71	.45
--DIVISIONAL DATA----->	2.05	-1.60	.43	-2.59	2.46	-1.66	5.26	1.87	5.57	1.42	4.71	.77
NORTHERN CENTRAL 06												
ABERDEEN PHILLIPS FLD	2.57	-.84	.27	-2.33	1.95	-1.70	5.03	1.67	4.34	-.07	4.77	.74
BRIGHTON DAM									7.69	3.05	5.26	1.34
CATOCTIN MTN PARK	2.80	-1.15	.45	-2.88	3.32	-1.00	6.39	2.43	6.12	.98	4.83	.22
CONOWINGO DAM	M 2.32		M .38		2.99	-1.17	4.33	.68	5.46	.88	5.29	1.14
CYLBURN	2.64		.30		2.46		7.16		5.87		5.35	
DAMASCUS 3 SSW					M 2.74		3.17		7.33		5.37	
EMMITSBURG 2 SE	3.29	-.37	.54	-2.43	2.23	-1.72	4.20	.40	6.11	1.59	5.97	1.62
FREDERICK 2 NNE	M 2.21		.45		1.75		4.05		7.69		5.29	
MILLERS 4 NE	2.36	-1.28	.75	-2.15	1.84	-1.93	4.49	1.04	4.86	.58	4.41	.79
POTOMAC FLTR PLT	2.44	-.53	.73	-1.85	1.86	-1.57	3.41	.19	8.97	5.20	7.77	4.12
SMITHSBURG 2NW	M 2.20		.52		2.04		3.32		4.54		4.64	
--DIVISIONAL DATA----->	2.73	-.87	.47	-2.45	2.32	-1.71	4.68	1.15	5.81	1.19	5.10	1.05

TOTAL PRECIPITATION AND DEPARTURE FROM NORMAL (INCHES)

MARYLAND AND DELAWARE
2009

STATION	JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
MARYLAND														
SOUTHERN EASTERN														
SHORE 01														
ASSATEAGUE	5.67	2.05	M		11.08	7.38	6.19	2.89	8.28	5.12	9.08	5.87		
PRINCESS ANNE	2.76	-1.51	9.08	4.24	4.58	.66	2.13	-1.18	5.33	2.17	8.56	5.42		
SALISBURY	2.77	-1.77	9.83	5.11	4.92	.93	4.19	.76	5.98	2.81	8.33	4.86	59.30	13.33
SALISBURY FAA AP	1.88	-2.66	5.73	.74	4.39	.66	3.70	.06	5.14	1.84	4.53	.81	44.40	-2.64
SNOW HILL 4 N	1.97	-2.51	9.58	4.18	6.27	2.52	6.57	3.15	8.30	4.99	9.11	5.70	62.61	16.43
--DIVISIONAL DATA----->	3.01	-1.30	8.56	3.82	6.25	2.49	4.56	1.19	6.61	3.43	7.92	4.52	57.56	12.64
CENTRAL EASTERN														
SHORE 02														
ROYAL OAK 2 SSW	2.31	-1.91	9.06	4.96	4.96	.97	7.59	4.13	6.69	3.26	M 8.58		M 63.02	
VIENNA	1.05	-2.81	M		3.04	-.48	M		M		M			
--DIVISIONAL DATA----->	1.68	-2.51	9.06	4.80	4.00	.18	7.59	4.35	6.69	3.40				
LOWER SOUTHERN 03														
MECHANICSVILLE 5 NE	2.22	-2.26	6.49	2.55	3.65	-.73	6.92	3.00	6.91	3.48	10.05	6.65	56.13	8.61
SOLOMONS	1.76		M 4.95		M 3.69		M 7.07		7.61		7.37		M	
--DIVISIONAL DATA----->	1.99	-2.23	6.49	2.36	3.65	-.52	6.92	3.44	7.26	3.99	8.71	5.40	55.44	10.69
UPPER SOUTHERN 04														
BALTIMORE WASH INTL AP R	3.29	-.56	4.76	1.02	3.48	-.50	6.24	3.08	4.94	1.82	8.06	4.71	55.57	13.63
BELTSVILLE	1.88	-2.21	4.71	1.02	3.07	-1.28	5.47	1.91	4.85	1.53	6.03	2.73	52.94	9.18
DALECARIA RSVR	5.90	1.64	7.70	3.72	2.67	-1.63	5.71	2.23	4.53	1.12	6.56	3.15	59.48	14.37
LAUREL 3 W	2.22	-1.80	5.31	1.70	3.49	-1.04	6.22	2.60	5.17	1.19	M			
MD SCI CTR BALTIMORE R	5.48		5.55		3.42		5.09		3.80		7.23		52.81	
NATL ARBORETUM DC	4.01	-.20	3.52	-.38	2.99	-1.09	6.61	3.18	4.72	1.40	7.14	3.89	53.11	9.41
OXON HILL	3.22		8.17		3.54		6.29		5.03		7.36		59.80	
UPPER MARLBORO 3 NNW	2.31	-1.80	7.74	3.84	4.44	.44	7.18	3.52	5.69	2.44	7.12	3.92	56.88	13.19
--DIVISIONAL DATA----->	3.54	-.60	5.93	1.98	3.39	-.79	6.10	2.62	4.84	1.46	7.07	3.68	56.02	11.57
NORTHERN EASTERN														
SHORE 05														
CHESTERTOWN	1.99	-1.95	5.50	1.74	4.85	.55	6.28	2.91	4.13	.79	6.68	2.99	49.91	5.07
--DIVISIONAL DATA----->	1.99	-2.06	5.50	1.64	4.85	.57	6.28	2.91	4.13	.86	6.68	3.05	49.91	5.18
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FLD	2.07	-2.14	12.52	8.45	6.24	1.76	6.22	2.83	3.52	.32	7.29	3.88	56.79	12.57
BRIGHTON DAM	2.76	-1.28	4.49	1.13	2.62	-1.27	6.20	2.59	4.20	.61	6.55	3.04		
CATOCTIN MTN PARK	4.72	.90	3.44	-.48	4.55	-.36	6.41	2.52	3.09	-.78	1.57	-1.87	47.69	-1.47
CONOWINGO DAM	3.35	-.85	7.98	3.57	7.32	2.40	6.11	2.64	M		6.99	3.10		
CYLBURN	2.90		7.20		5.39		M 7.00		4.10		8.16		M 58.53	
DAMASCUS 3 SSW	5.95		5.50		2.60		6.44		3.77		6.92			
EMMITSBURG 2 SE	3.35	-.29	4.89	1.29	3.55	-.71	5.73	2.25	2.70	-1.10	7.41	4.10	49.97	4.63
FREDERICK 2 NNE	3.97		3.59		2.10		6.18		2.85		5.59		M 45.72	
MILLERS 4 NE	4.86	1.29	10.02	6.31	4.90	.76	6.44	3.00	3.11	-.50	6.49	2.95	54.53	10.86
POTOMAC FLTR PLT	2.26	-1.31	5.71	2.27	1.63	-2.41	5.78	2.57	4.12	.73	2.14	-1.01	46.82	6.40
SMITHSBURG 2NW	M 3.48		M		2.48		4.88		.90		6.30			
--DIVISIONAL DATA----->	3.90	-.06	6.89	3.05	4.35	.02	6.05	2.54	3.01	-.61	6.30	2.80	51.61	6.10

TOTAL PRECIPITATION AND DEPARTURE FROM NORMAL (INCHES)

MARYLAND AND DELAWARE
2009

STATION	JAN		FEB		MAR		APR		MAY		JUN	
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
APPALACHIAN MOUNTAIN 07												
CUMBERLAND 2	2.68	-.21	.94	-1.49	1.62	-1.68	3.89	.73	5.29	1.32	4.82	1.70
FROSTBURG 2	3.32	-.25	1.34	-1.76	1.70	-2.14	4.62	.65	6.44	1.68	5.84	2.00
SHARPSBURG 5 S	2.08		M .54		1.83		3.88		5.57		3.79	
WILLIAMSPORT	2.15		M .41		1.51		3.11		4.67		4.93	
--DIVISIONAL DATA----->	2.56	-.54	1.14	-1.48	1.67	-1.75	3.88	.49	5.49	1.28	4.85	1.33
ALLEGHENY PLATEAU 08												
OAKLAND 1 SE	M		M .00		2.41	-1.54	4.90	.83	5.92	1.08	5.88	1.28
SAVAGE RIVER DAM	3.38	.49	.87	-1.60	1.77	-1.51	4.23	.85	5.82	1.58	5.51	1.84
--DIVISIONAL DATA----->	3.38	-.17	.87	-2.22	2.09	-1.78	4.57	.73	5.87	1.33	5.70	1.49
DELAWARE NORTHERN 01												
BEAR 2 SW	2.85		.39		2.50		4.65		4.76		5.17	
WILMINGTON NEW CASTLE R	2.90	-.53	.30	-2.51	1.89	-2.08	4.03	.64	3.89	-.26	6.67	3.08
WILMINGTON PORTER RES	2.09	-1.38	M .94		2.35	-1.46	M 4.96		4.25	-.08	5.94	1.88
--DIVISIONAL DATA----->	2.61	-1.09	.35	-2.49	2.25	-1.86	4.34	.71	4.30	-.12	5.93	2.03
SOUTHERN 02												
DOVER	2.88	-1.06	M		M		5.31	1.84	5.07	.78	5.94	2.17
GREENWOOD 2NE	2.24	-1.68	.30	-2.88	2.68	-1.99	5.11	1.66	5.09	.78	6.58	3.02
LEWES	2.22	-1.79	.91	-2.31	2.57	-1.88	7.23	3.69	5.28	1.37	3.97	.82
--DIVISIONAL DATA----->	2.45	-1.54	.61	-2.57	2.63	-1.77	5.88	2.41	5.15	1.03	5.50	2.09

TOTAL PRECIPITATION AND DEPARTURE FROM NORMAL (INCHES)

MARYLAND AND DELAWARE
2009

STATION	JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
APPALACHIAN MOUNTAIN 07														
CUMBERLAND 2	3.04	-.38	3.45	-.08	1.48	-1.70	4.50	1.81	1.50	-1.41	5.83	3.22	39.04	1.83
FROSTBURG 2	3.38	-.53	2.41	-1.41	2.63	-.99	4.73	1.52	1.42	-2.34	6.08	2.92	43.91	-.65
SHARPSBURG 5 S	3.37		M		1.31		4.63		3.01		6.91			
WILLIAMSPORT	3.86		2.62		1.60		3.99		1.77		6.06		M 36.68	
--DIVISIONAL DATA----->	3.41	-.23	2.83	-.62	1.76	-1.73	4.46	1.38	1.93	-1.34	6.22	3.35	40.20	.14
ALLEGHENY PLATEAU 08														
OAKLAND 1 SE	2.45	-2.78	3.72	-.43	2.74	-.82	4.90	1.78	1.54	-2.14	6.04	2.37		
SAVAGE RIVER DAM	2.76	-1.43	2.93	-.44	2.21	-1.27	4.70	1.89	.85	-2.15	M 5.65		M 40.68	
--DIVISIONAL DATA----->	2.61	-2.26	3.33	-.58	2.48	-1.12	4.80	1.77	1.20	-2.36	6.04	2.46	42.94	-2.71
DELAWARE NORTHERN 01														
BEAR 2 SW	2.99		6.95		6.04		6.25		3.08		8.63		54.26	
WILMINGTON NEW CASTLE R	3.94	-.34	6.73	3.22	4.91	.90	5.90	2.82	2.32	-.87	8.58	5.18	52.06	9.25
WILMINGTON PORTER RES	4.82	.43	8.07	4.02	4.59	.64	8.44	5.14	1.97	-1.83	8.75	4.91	M 57.17	
--DIVISIONAL DATA----->	3.92	-.58	7.25	3.53	5.18	.86	6.86	3.50	2.46	-.92	8.65	5.03	54.10	8.60
SOUTHERN 02														
DOVER	2.06	-2.10	9.02	4.29	5.97	1.41	6.81	3.55	4.07	.91	8.69	5.19		
GREENWOOD 2NE	1.30	-3.54	8.75	4.68	5.55	1.44	6.77	3.62	4.95	1.82	6.76	3.16	56.08	10.09
LEWES	2.93	-1.26	6.05	.71	5.56	1.79	8.35	4.93	5.75	2.42	7.36	3.69	58.18	12.18
--DIVISIONAL DATA----->	2.10	-1.82	7.94	3.05	5.69	1.54	7.31	3.93	4.92	1.63	7.60	4.06	57.78	12.04

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL(°F)

MARYLAND AND DELAWARE
2009

STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.
MARYLAND																										
SOUTHERN EASTERN																										
SHORE 01																										
ASSATEAGUE	34.7	-1.6	39.8	1.8	44.2	.3	M		63.1	1.6	72.1	1.9	76.0	.4	M		70.8	.5	61.3	1.7	54.2	4.5	41.8	.9	M	
PRINCESS ANNE	M		M		M42.3	-3.7	M54.9	.5			M70.9	-1.0	M73.9	-2.7	M		M68.3	-3	M58.9	1.4	M		M		M	
SALISBURY	34.0	-3.2	41.8	2.5	47.2	.2	58.5	2.6	66.9	2.1	73.2	.3	76.8	-.7	79.0	3.0	68.5	-1.5	60.1	1.0	53.6	3.6	40.0	-1.2	58.3	.7
SALISBURY FAA AP	30.9	-4.8	38.0	.1	42.9	-2.6	54.5	.2	64.1	.7	71.1	-1.1	74.7	-2.6	77.4	1.9	67.1	-2.0	58.3	.7	51.6	3.0	38.4	-1.6	55.8	-.7
SNOW HILL 4 N	33.9	-3.1	41.4	2.4	46.4	-.1	57.5	2.0	66.0	1.2	72.7	-.2	75.6	-1.4	78.0	2.7	68.7	-.9	58.7	.3	52.9	3.5	40.0	-1.0	57.7	.5
--DIVISIONAL DATA----->	33.4	-2.6	40.3	2.5	44.6	-.7	56.4	2.3	65.0	1.8	72.0	.2	75.4	-1.3	78.1	2.8	68.7	-.6	59.5	1.2	53.1	4.3	40.1	-.2	57.2	.8
CENTRAL EASTERN																										
SHORE 02																										
ROYAL OAK 2 SSW	32.2	-3.9	41.0	2.5	45.4	-1.3	57.7	1.6	66.6	.9	74.1	-.1	76.9	-1.7	78.8	1.9	68.1	-2.6	58.8	-1.0	52.4	2.3	38.8	-2.0	57.6	-.3
VIENNA	33.5	-2.6	40.3	2.1	M45.1	-1.3	M58.7	3.1	66.5	1.6	73.3	.0	76.9	-1.2	M		68.2	-1.7	M		M		M		M	
--DIVISIONAL DATA----->	32.9	-1.9	40.7	3.8	45.3	.0	58.2	3.7	66.6	2.3	73.7	.8	76.9	-.8	78.8	2.9	68.2	-1.0	58.8	.6	52.4	4.3	38.8	-.5	57.6	1.2
LOWER SOUTHERN 03																										
MECHANICSVILLE 5 NE	29.3	-5.6	37.4	-.5	42.3	-3.9	54.9	-.4	62.3	-1.6	70.6	-1.4	72.4	-4.2	75.3	.5	65.3	-3.0	54.2	-2.5	48.9	1.0	35.5	-4.0	54.0	-2.1
SOLOMONS	33.3		39.3		44.3		56.6		65.2		73.9		77.0		80.0		70.0		59.1		52.7		39.7		57.6	
--DIVISIONAL DATA----->	31.3	-2.7	38.4	1.5	43.3	-1.9	55.8	1.6	63.8	.4	72.3	.6	74.7	-1.6	77.7	3.0	67.7	-.4	56.7	-.2	50.8	3.5	37.6	-1.2	55.8	.2
UPPER SOUTHERN 04																										
BALTIMORE WASH INTL AP R	29.3	-3.0	37.5	2.0	43.1	-.6	54.9	1.7	63.7	.8	71.4	-.4	74.7	-1.8	76.6	2.1	66.7	-.7	55.3	-.1	49.7	4.2	34.8	-1.9	54.8	.2
BELTSVILLE	29.2	-3.4	37.5	2.1	43.1	-.7	54.9	1.6	64.0	1.0	72.2	.1	74.3	-2.6	77.3	2.0	67.7	-.7	56.0	-.1	49.8	3.1	34.9	-2.4	55.1	.0
DALECARLIA RSVR	29.7	-4.3	37.4	.0	43.1	-2.6	55.5	-.1	63.7	-1.2	71.8	-1.4	76.4	-1.2	78.6	2.4	69.3	.0	54.9	-2.4	49.9	2.7	35.2	-3.0	55.5	-.9
LAUREL 3 W	29.1	-4.0	38.7	2.4	44.2	-.7	56.5	1.6	65.2	.6	72.7	-.1	75.9	-1.9	78.4	1.9	68.6	-.5	56.8	-.8	51.0	3.5	35.7	-2.1	56.1	.0
MD SCI CTR BALTIMORE R	31.4		39.5		45.1		57.2		66.5		74.7		78.0		80.1		70.2		M58.5		53.4		38.7		M57.8	
NATL ARBORETUM DC	31.4	-2.1	40.0	3.8	45.6	1.2	60.3	6.2	68.7	4.6	77.7	4.6	78.4	.5	80.3	4.2	69.6	.9	57.1	.5	50.8	3.9	36.3	-1.7	58.0	2.2
OXON HILL	30.6		39.5		44.1		57.0		65.2		73.5		75.6		78.1		68.0		56.2		50.2		36.3		56.2	
UPPER MARLBORO 3 NNW	29.4	-3.1	38.0	2.6	42.7	-1.1	55.4	2.0	64.2	1.5	72.3	1.0	74.6	-1.3	77.4	3.3	67.0	-.2	55.2	-.1	49.3	3.0	35.4	-1.6	55.1	.5
--DIVISIONAL DATA----->	30.0	-3.3	38.5	2.2	43.9	-.6	56.5	2.4	65.2	1.6	73.3	1.0	76.0	-1.1	78.4	3.0	68.4	.1	56.3	-.1	50.5	3.8	35.9	-1.7	56.1	.6
NORTHERN EASTERN																										
SHORE 05																										
CHESTERTOWN	29.2	-4.0	37.8	1.9	42.6	-1.8	55.3	1.2	64.1	.2	71.2	-1.5	74.3	-3.1	76.9	1.1	66.8	-2.0	56.1	-1.1	49.7	2.6	35.7	-1.9	55.0	-.7
--DIVISIONAL DATA----->	29.2	-3.5	37.8	2.5	42.6	-1.2	55.3	2.0	64.1	1.1	71.2	-.5	74.3	-2.3	76.9	2.0	66.8	-1.0	56.1	-.4	49.7	3.2	35.7	-1.6	55.0	.0
NORTHERN CENTRAL 06																										
ABERDEEN PHILLIPS FLD	29.1	-4.5	36.2	-.6	41.1	-3.7	53.4	-1.2	62.7	-1.2	71.2	-1.0	73.9	-3.1	77.2	1.8	66.6	-2.3	54.8	-2.5	50.0	2.4	35.6	-2.7	54.3	-1.6
CATOCTIN MTN PARK	24.7	-4.3	33.8	1.6	42.1	1.2	54.5	2.6	62.4	.8	69.5	.3	70.6	-2.5	73.9	2.4	63.7	-1.4	52.4	-2.1	47.8	4.0	M		M	
CONOWINGO DAM	27.6	-3.3	35.2	1.5	40.1	-2.3	M		M		M		M		77.9	3.1	68.0	.3	M55.3	-.3	M		M		M	
CYLBURN	28.0		35.4		42.1		53.7		61.1		64.6		M		70.6		62.1		M53.5		48.6		M		M	
DAMASCUS 3 SSW					M		M		62.7		69.9		72.1		75.0		65.1		53.9		49.1		33.5		M	
EMMITSBURG 2 SE	27.0	-4.0	34.3	.2	41.1	-1.9	52.5	-.3	60.7	-1.5	68.9	-1.6	70.4	-4.6	73.6	.3	64.6	-1.8	52.5	-2.4	47.7	2.9	33.2	-2.7	52.2	-1.5
FREDERICK 2 NNE	27.8		36.0		M		54.0		63.2		71.4		73.4		76.8		66.1		54.4		48.4		33.7		M	
MILLERS 4 NE	25.7	-4.7	35.3	1.9	42.0	.3	53.4	1.6	61.5	.2	68.4	-1.3	70.4	-3.5	73.3	.8	63.8	-1.8	53.4	-1.6	47.8	3.0	32.5	-2.9	52.3	-.7
SMITHSBURG 2NW	24.8		32.3		39.7		50.5		60.3		66.8		69.8		M		64.3		51.2		M		31.0		M	

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL(°F)

MARYLAND AND DELAWARE
2009

STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.
--DIVISIONAL DATA-----> APPALACHIAN MOUNTAIN 07	26.8	-4.4	34.8	.8	41.2	-1.5	53.1	.8	61.8	-.5	68.8	-1.9	71.5	-3.8	74.8	1.3	64.9	-1.7	53.5	-1.8	48.5	3.6	33.3	-2.5	52.8	-.9
CUMBERLAND 2	29.5	-.8	36.1	2.2	45.1	2.4	55.3	2.4	63.5	1.3	71.3	1.1	72.5	-2.0	76.2	3.3	68.1	2.3	55.1	1.2	50.4	6.8	33.8	-.4	54.7	1.7
FROSTBURG 2	21.1	-3.4	28.7	1.4	37.8	2.5	47.7	1.8	56.8	.6	64.0	-.2	65.0	-3.5	69.1	1.9	60.6	.3	48.0	-1.3	43.6	4.5	26.8	-2.7	47.4	.2
SHARPSBURG 5 S	26.4		34.5		40.9		51.9		61.2		68.3		70.3		M		64.8		52.5		47.4		31.9		M	
WILLIAMSPORT	M		34.6		41.6		52.5		M61.0		69.1		71.2		75.1		66.5		53.2		47.8		32.9		M	
--DIVISIONAL DATA-----> ALLEGHENY PLATEAU 08	25.7	-3.3	33.5	1.4	41.4	.7	51.9	1.2	60.6	.3	68.2	-.3	69.8	-3.0	73.5	2.3	65.0	.9	52.2	-.5	47.3	4.6	31.4	-2.1	51.7	.2
OAKLAND 1 SE	M		27.8	-1.5	37.9	.0	46.3	-1.2	56.9	.2	64.4	.1	63.8	-4.6	68.1	1.0	59.6	-1.2	46.9	-3.1	43.5	3.5	26.9	-4.4	M	
SAVAGE RIVER DAM	23.0	-3.2	30.3	1.7	39.1	2.0	48.1	.7	M58.0	.7	65.7	.2	66.1	-3.6	69.7	1.4	61.8	.3	48.8	-1.2	45.5	5.1	28.7	-2.3	M48.7	.2
--DIVISIONAL DATA----->	23.0	-2.8	29.1	.6	38.5	1.5	47.2	.2	57.5	1.0	65.1	.7	65.0	-3.6	68.9	1.8	60.7	.2	47.9	-1.3	44.5	4.9	27.8	-2.6	47.9	.1
DELAWARE NORTHERN 01																										
BEAR 2 SW	28.1		36.2		41.5		53.7		62.6		70.0		72.8		75.6		65.2		54.3		48.9		35.1		53.7	
WILMINGTON NEW CASTLE R	28.5	-3.0	36.5	2.3	42.3	-.4	54.5	2.1	63.4	.9	70.5	-1.0	73.5	-3.1	76.7	1.7	66.6	-1.1	55.3	-.5	49.7	3.8	35.4	-1.0	54.4	.1
WILMINGTON PORTER RES	27.7	-2.4	36.7	4.0	42.3	.5	53.6	2.1	63.4	1.5	69.5	-1.3	73.2	-2.0	76.0	2.2	65.8	-1.0	54.5	-1.1	M		35.2	-.1	M	
--DIVISIONAL DATA-----> SOUTHERN 02	28.1	-3.6	36.5	2.2	42.0	-.7	53.9	1.5	63.1	.5	70.0	-1.4	73.2	-3.0	76.1	1.6	65.9	-1.5	54.7	-1.1	49.3	3.5	35.2	-1.4	54.0	-.2
DOVER	31.5	-3.8	M		M		55.9	1.3	64.6	.3	71.6	-1.3	75.3	-2.5	78.0	1.8	68.0	-1.9	58.0	-.8	51.6	2.4	37.4	-2.5	M	
GREENWOOD 2NE	29.9	-3.2	37.5	3.2	41.9	-1.4	53.7	1.5	63.4	1.6	70.6	-.1	74.0	-1.7	76.6	2.7	65.8	-1.1	55.5	-.5	50.5	4.0	36.6	-.7	54.7	.4
LEWES	33.3	-3.1	41.4	3.1	45.7	.1	57.0	2.4	65.3	1.3	71.9	-.6	76.5	-.8	79.2	3.3	70.5	.3	M59.8	.6	53.0	3.0	M40.2	-.9	M57.8	.7
--DIVISIONAL DATA----->	31.6	-3.0	39.5	3.1	43.8	-.6	55.5	2.3	64.4	1.5	71.4	-.3	75.3	-1.2	77.9	3.1	68.1	-.2	57.8	.5	51.7	4.0	38.1	-.9	56.3	.7

TEMPERATURE EXTREMES AND FREEZE DATA (°F)

MARYLAND AND DELAWARE
2009

STATION	HIGHEST	DATE	LOWEST	DATE	LAST SPRING MINIMUM OF										FIRST FALL MINIMUM OF										NUMBER OF DAYS BETWEEN DATES				
					16° OR BELOW		20° OR BELOW		24° OR BELOW		28° OR BELOW		32° OR BELOW		32° OR BELOW		28° OR BELOW		24° OR BELOW		20° OR BELOW		16° OR BELOW		16° OR BELOW	20° OR BELOW	24° OR BELOW	28° OR BELOW	32° OR BELOW
					DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.					
MARYLAND SOUTHERN EASTERN SHORE 01 ASSATEAGUE PRINCESS ANNE SALISBURY SALISBURY FAA AP SNOW HILL 4 N CENTRAL EASTERN SHORE 02 ROYAL OAK 2 SSW VIENNA LOWER SOUTHERN 03 MECHANICSVILLE 5 NE SOLOMONS UPPER SOUTHERN 04 BALTIMORE WASH INTL AP R BELTSVILLE DALECARLIA RSVR LAUREL 3 W MD SCI CTR BALTIMORE R NATL ARBORETUM DC OXON HILL UPPER MARLBORO 3 NNW NORTHERN EASTERN SHORE 05 CHESTERTOWN NORTHERN CENTRAL 06 ABERDEEN PHILLIPS FLD CATOCTIN MTN PARK CONOWINGO DAM CYLBURN DAMASCUS 3 SSW EMMITSBURG 2 SE FREDERICK 2 NNE MILLERS 4 NE SMITHSBURG 2NW APPALACHIAN MOUNTAIN 07 CUMBERLAND 2 FROSTBURG 2	92 97 95 92 93 93 94 93 96 95 97 100 95 96 95 92 96 91 92 96 90 96 88	8/10 8/11 8/10 8/11 4/27 8/21 8/10 8/19 8/11 8/10 8/10 8/11 8/11 8/10 8/16 8/11 8/18 4/27 8/18 8/10 4/28 4/28	7 -2 1 9 2 10 2 3 5 4 8 7 0 5 3 8 1 4 -2 -3 -9	1/17 1/17 1/17 1/17 1/18 1/17 1/17 1/18 1/17 1/17 1/17 1/17 1/18 1/17 1/18 1/17 1/18 1/17 1/18 1/17 1/18 1/17 1/18 1/17 1/18 1/17 1/18 1/17 1/17 1/1																									

TEMPERATURE EXTREMES AND FREEZE DATA (°F)

MARYLAND AND DELAWARE
2009

STATION	HIGHEST	DATE	LOWEST	DATE	LAST SPRING MINIMUM OF										FIRST FALL MINIMUM OF										NUMBER OF DAYS BETWEEN DATES				
					16° OR BELOW		20° OR BELOW		24° OR BELOW		28° OR BELOW		32° OR BELOW		32° OR BELOW		28° OR BELOW		24° OR BELOW		20° OR BELOW		16° OR BELOW		16° OR BELOW	20° OR BELOW	24° OR BELOW	28° OR BELOW	32° OR BELOW
					DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.					
SHARPSBURG 5 S WILLIAMSPORT ALLEGHENY PLATEAU 08	94	8/10	-2	1/18	3/ 5 3/ 5	11 14	3/25 3/ 6	18 18	3/25 3/25	18 24	4/14 3/26	27 26	4/18 4/17	32 31	10/19 10/19	28 32	10/19 11/ 4	28 27	12/ 6 12/11	21 20	12/ 7 12/11	20 20	12/21 12/24	12 11	291 294	257 280	256 261	188 223	184 185
OAKLAND 1 SE SAVAGE RIVER DAM	86 89	8/18 4/28	-10	1/18	3/21 3/ 5	15 12	3/23 3/22	17 19	4/12 3/25	24 24	5/19 4/12	27 28	5/19 5/19	27 31	10/ 6 10/19	32 30	10/19 11/ 4	25 27	11/ 4 12/ 6	23 22	12/ 6 12/ 7	17 20	12/ 7 12/11	14 15	261 281	258 260	206 256	153 206	140 153
DELAWARE NORTHERN 01																													
BEAR 2 SW WILMINGTON NEW CASTLE R	93 93	8/10 8/10	2 5	1/17 1/17	3/ 5 3/ 5	11 16	3/ 5 3/ 5	11 16	3/25 3/24	21 24	4/13 3/25	27 27	4/17 4/13	30 30	10/19 11/ 6	32 32	11/ 6 11/ 7	28 27	11/ 7 12/11	24 22	12/18 12/18	19 20	12/23 NONE	13	293	288 288	227 262	207 227	185 207
WILMINGTON PORTER RES SOUTHERN 02	91	8/17	4	1/17	3/ 5	15	3/ 5	15	3/24	24	3/24	24	3/25	31	MSG		MSG		MSG		MSG		MSG						
DOVER GREENWOOD 2NE	93 92	8/24 8/22			MSG		MSG		MSG		4/13	28	4/13	28	11/ 7	26	11/ 7	26	12/11	22	12/18	20	NONE						
LEWES	95	8/10	8	1/17	3/ 6 3/ 4	13 14	3/ 6 3/ 4	13 14	3/25 3/ 5	24 21	4/14 3/25	28 27	4/18 3/25	32 27	11/ 7 11/ 7	27 29	11/ 7 12/ 7	27 28	12/11 12/24	24 24	12/18 NONE	20	NONE NONE			287	261 294	207 257	203 227

MARYLAND AND DELAWARE
2009

MONTHLY AND SEASONAL COOLING DEGREE DAYS

BASE = 65 DEGREES FAHENHEIT

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	SEASONAL NORM
MARYLAND SOUTHERN EASTERN SHORE 01														
ASSATEAGUE	0	0	0	-	54	220	348	-	183	33	0	0	-	1066
PRINCESS ANNE	-	-	B 0	B 27	-	B 192	B 284	-	B 121	B 10	-	-	-	1092
SALISBURY	0	0	6	55	126	256	370	440	121	29	0	0	1403	1246
SALISBURY FAA AP	0	0	3	39	90	198	308	392	98	19	0	0	1147	1155
SNOW HILL 4 N	0	0	4	48	116	234	335	412	128	16	0	0	1293	1194
CENTRAL EASTERN SHORE 02														
ROYAL OAK 2 SSW	0	0	1	52	120	283	376	433	114	22	0	0	1401	1392
VIENNA	0	0	B 0	B 58	120	260	377	-	115	-	-	-	-	1274
LOWER SOUTHERN 03														
MECHANICSVILLE 5 NE	0	0	4	42	57	183	236	328	60	5	0	0	915	1093
SOLOMONS	0	0	0	41	93	281	379	474	160	17	0	0	1445	
UPPER SOUTHERN 04														
BALTIMORE WASH INTL AP R	0	0	0	39	72	213	306	368	95	7	0	0	1100	1147
BELTSVILLE	0	0	0	30	82	232	297	389	109	10	0	0	1149	1109
DALECARLIA RSVR	0	0	0	42	74	223	357	431	141	3	0	0	1271	1258
LAUREL 3 W	0	0	4	47	93	248	344	421	136	14	0	0	1307	1271
MD SCI CTR BALTIMORE R	0	0	1	50	114	304	409	475	172	B 16	0	0	B1541	
NATL ARBORETUM DC	0	0	1	63	168	387	422	480	149	8	0	0	1678	1243
OXON HILL	0	0	1	51	108	268	335	411	112	7	0	0	1293	
UPPER MARLBORO 3 NNW	0	0	0	48	94	234	305	392	93	8	0	0	1174	1002
NORTHERN EASTERN SHORE 05														
CHESTERTOWN	0	0	0	37	77	209	294	374	93	10	0	0	1094	1183
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FLD	0	0	0	35	58	204	284	382	87	6	0	0	1056	1153
CATOCTIN MTN PARK	0	0	1	54	58	165	183	280	46	0	0	-	-	733
CONOWINGO DAM	0	0	0	-	-	-	-	408	111	B 5	-	-	-	1068
CYLBURN	0	0	1	41	37	40	-	188	26	B 0	0	-	-	
DAMASCUS 3 SSW	-	-	-	-	56	176	224	318	60	6	0	0	-	
EMMITSBURG 2 SE	0	0	0	34	31	149	174	273	55	3	0	0	719	918
FREDERICK 2 NNE	0	0	-	38	67	212	269	374	78	5	0	0	-	
MILLERS 4 NE	0	0	0	36	37	135	174	262	37	2	0	0	683	790
SMITHSBURG 2NW	0	0	2	24	35	99	160	-	51	1	-	0	-	
APPALACHIAN MOUNTAIN 07														
CUMBERLAND 2	0	0	6	50	71	213	240	353	118	6	0	0	1057	877
FROSTBURG 2	0	0	0	23	11	44	49	139	11	0	0	0	277	344
SHARPSBURG 5 S	0	0	0	31	44	132	171	-	64	4	0	0	-	
WILLIAMSPORT	-	0	0	30	B 53	154	198	321	91	0	0	0	-	
ALLEGHENY PLATEAU 08														
OAKLAND 1 SE	-	0	0	9	16	45	35	117	6	0	0	0	-	316
SAVAGE RIVER DAM	0	0	0	16	B 16	69	61	160	14	0	0	0	B 336	414
DELAWARE NORTHERN 01														
BEAR 2 SW	0	0	0	27	54	177	247	334	63	7	0	0	909	
WILMINGTON NEW CASTLE R	0	0	0	39	66	190	271	369	89	7	0	0	1031	1125
WILMINGTON PORTER RES	0	0	0	26	60	162	264	348	71	3	-	0	-	930
SOUTHERN 02														

MARYLAND AND DELAWARE
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TOTAL PAN EVAPORATION AND WIND MOVEMENT

STATION		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MARYLAND UPPER SOUTHERN 04 BELTSVILLE	WIND	-	-	-	B 1907	B 1138	B 1220	1381	1036	B 1103	B 1833	-	-	-
	EVAP	-	-	-	B 5.17	-	B 5.69	6.77	6.16	4.01 B	3.57	-	-	-
	MAX TEMP	-	-	-	M 65.7	M 75.5	M 85.1	M -	M 89.1	M 77.3	M 63.1	M -	-	M -
	MIN TEMP	-	-	-	M 44.4	M 53.0	M 61.4	M -	M 66.0	M 55.9	M 43.9	M -	-	M -
UPPER MARLBORO 3 NNW	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-
	EVAP	-	-	-	B 5.06	B 5.25	B 5.94	6.95	B 6.05	3.67 B	2.96	B 2.01	-	-
	MAX TEMP	-	-	-	71.3	79.2	89.6	93.3	95.4	82.7	67.4	58.3	-	M -
	MIN TEMP	-	-	-	45.5	55.6	65.4	66.2	70.3	60.8	48.6	43.5	-	M -
ALLEGHENY PLATEAU 08 SAVAGE RIVER DAM	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MAX TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-

STATION INDEX

STATION	INDEX NO.	DIVISION NO.	COUNTY	LATITUDE	LONGITUDE	ELEVATION FEET	YEARS OF RECORD			OPENED OR CLOSED DURING YR		SEE REFERENCE NOTES
							TEMP.	PRECIP.	EVAP.	MONTH OPENED	MONTH CLOSED	
MARYLAND												
ABERDEEN PHILLIPS FLD	0015	06	HARFORD	39 28	76 10W	57	85	85	0			C H
ASSATEAGUE	0335	01	WORCESTER	38 4	75 13W	10	43	43	0			H
BALTIMORE WASH INTL AP R	0465	04	ANNE ARUNDEL	39 10	76 41W	156	76	76	0			CHJ
BELTSVILLE	0700	04	PRINCE GEORG	39 2	76 56W	145	72	72	69			C H
BRIGHTON DAM	1125	06	MONTGOMERY	39 11	77 0W	330	7	55	0			H
CATOCTIN MTN PARK	1530	06	FREDERICK	39 39	77 29W	1610	44	44	0			H
CHESTERTOWN	1750	05	KENT	39 13	76 3W	40	105	105	0			H
CONOWINGO DAM	2060	06	HARFORD	39 39	76 11W	40	75	75	0			H
CUMBERLAND 2	2282	07	ALLEGANY	39 39	78 45W	730	38	38	0			H
CYLBURN	2308	06	BALTIMORE	39 22	76 38W	400	7	7	0			H
DALECARLIA RSVR	2325	04	PRINCE GEORG	38 56	77 7W	150	65	65	0			H
DAMASCUS 3 SSW	2336	06	MONTGOMERY	39 16	77 14W	697	17	17	0			H
EMMITSBURG 2 SE	2906	06	FREDERICK	39 41	77 17W	403	55	55	0			H
FREDERICK 2 NNE	3353	06	FREDERICK	39 26	77 24W	280	6	6	0			H
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2170	39	39	0			H
LAUREL 3 W	5111	04	PRINCE GEORG	39 5	76 54W	400	117	120	0			H
MD SCI CTR BALTIMORE R	5718	04	BALTIMORE (C	39 17	76 37W	20	11	11	0			C H
MECHANICSVILLE 5 NE	5865	03	ST. MARY'S	38 28	76 42W	100	49	49	0			H
MILLERS 4 NE	5934	06	CARROLL	39 43	76 48W	860	24	24	0			C H
NATL ARBORETUM DC	6350	04	PRINCE GEORG	38 55	76 58W	50	63	63	0			H
OAKLAND 1 SE	6620	08	GARRETT	39 25	79 24W	2420	113	113	0			H
OXON HILL	6800	04	PRINCE GEORG	38 48	77 0W	120	9	9	0			H
POTOMAC FLTR PLT	7272	06	MONTGOMERY	39 2	77 15W	270	0	49	0			H
PRINCESS ANNE	7330	01		99 99	99 99E	20	62	62	0			H
ROYAL OAK 2 SSW	7806	02	TALBOT	38 43	76 11W	10	63	63	0			H
SALISBURY	8000	01	WICOMICO	38 22	75 35W	10	104	104	0			H
SALISBURY FAA AP	8005	01	WICOMICO	38 20	75 31W	48	63	63	0			H
SAVAGE RIVER DAM	8065	08	GARRETT	39 31	79 8W	1495	60	63	60			C H
SHARPSBURG 5 S	8207	07	WASHINGTON	39 24	77 43W	500	12	12	0			H
SMITHSBURG 2NW	8371	06	WASHINGTON	39 40	77 35W	670	8	9	0			H
SNOW HILL 4 N	8380	01	WORCESTER	38 14	75 23W	30	95	95	0			H
SOLOMONS	8405	03	CALVERT	38 19	76 27W	12	101	101	0			H
UPPER MARLBORO 3 NNW	9070	04	PRINCE GEORG	38 52	76 47W	100	53	53	53			H
VIENNA	9140	02	DORCHESTER	38 29	75 49W	10	62	62	0			H
WILLIAMSPORT	9570	07	WASHINGTON	39 36	77 50W	360	11	50	0			H
DELAWARE												
BEAR 2 SW	1200	01	NEW CASTLE	39 36	75 44W	80	7	7	0			H
DOVER	2730	02	KENT	39 16	75 31W	30	123	122	0			H
GREENWOOD 2NE	3595	02	SUSSEX	38 49	75 35W	45	26	26	0			H
LEWES	5320	02	SUSSEX	38 47	75 8W	15	67	67	0			H
WILMINGTON NEW CASTLE R	9595	01	NEW CASTLE	39 40	75 36W	79	63	63	0			CHJ
WILMINGTON PORTER RES	9605	01	NEW CASTLE	39 46	75 32W	270	99	99	0			H

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.

TEMPERATURE EXTREMES AND FREEZE DATA: Spring minimum dates are obtained from data for January through June; Fall dates are from July through December data. "NONE" indicates temperature threshold not reached. "MSG" indicates available data insufficient to determine date.

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.

SOIL TEMPERATURE EXTREMES: The highest and lowest Max and Min temperature for each month and the year.

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 DATA TABLES

- No record. Data not recorded, determined unreliable by quality control checks, or not received in time for publication.
- * Rain gage not read. Precipitation is included in the amount following asterisks. Time distribution not known.
- // 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 monthly bulletins to determine date of last reading. (Hawaii stations)
- B Estimated total value for wind, evaporation, or cooling degree days.
- 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.
- R Amounts from recording rain gage.
- T Trace. An amount too small to measure.
- V Includes total for previous month(s). (See * above)
- Z Same as M but the Z has overprinted a negative sign or leading digit (e.g., Z14.6 = M-14.6, Z08.2 = M108.2)

SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

- # Thermometers located in rooftop shelter.
- C Station is equipped with a 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 "Soil Temperatures" table.
- H Observations appear in "Snowfall and Snow on the Ground" table in monthly "Climatological Data" publication.
- J Station also published as a "Local Climatological Data" bulletin.

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 "Climatological Data".

Cooling degree days for the calendar year are published in the "Climatological Data Annual Summary".

Additional precipitation data are contained in the "Hourly Precipitation Data" bulletin for each state, except Alaska.

Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Climatic Data Center. Similar historical information of regular National Weather Service Offices is available from the "Local Climatological Data" annual bulletin.

Additional information regarding the climate of this state may be obtained by writing to the address below or to any weather service office near you. 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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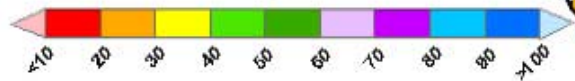
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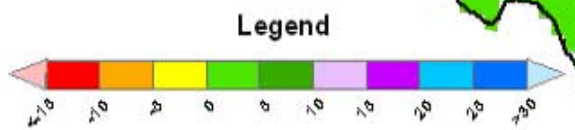
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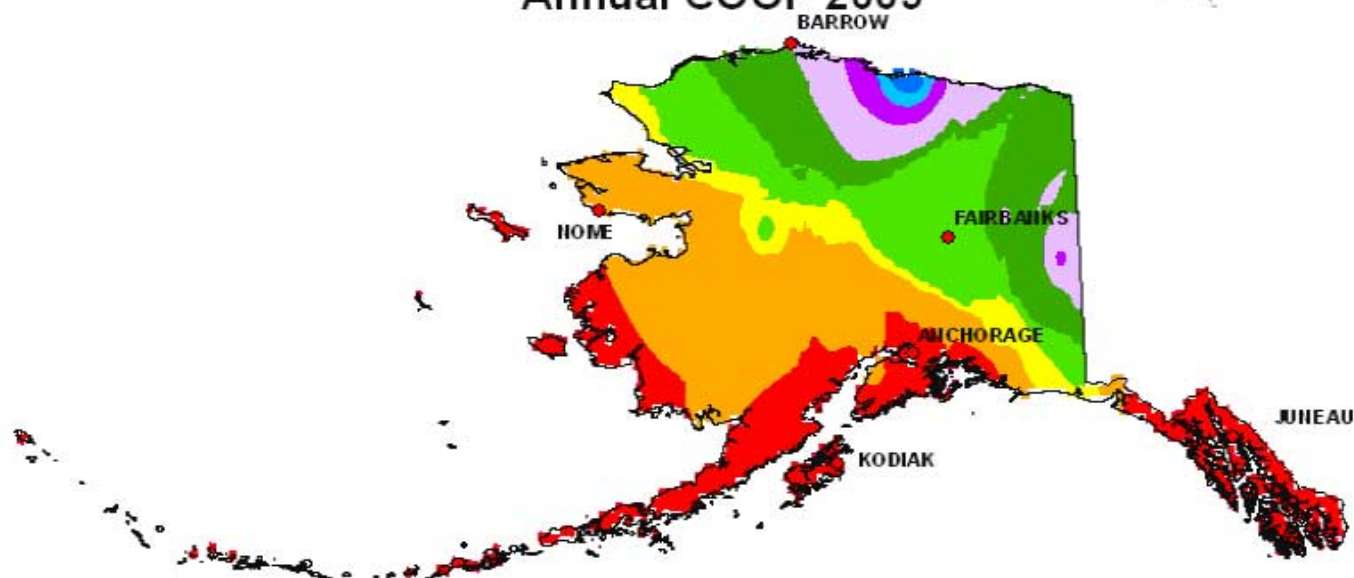
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Color scale: -10, -5, 0, 5, 10, 15, 20, 25, 30

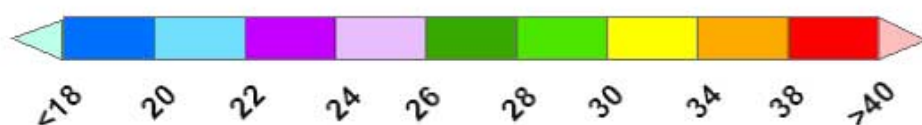


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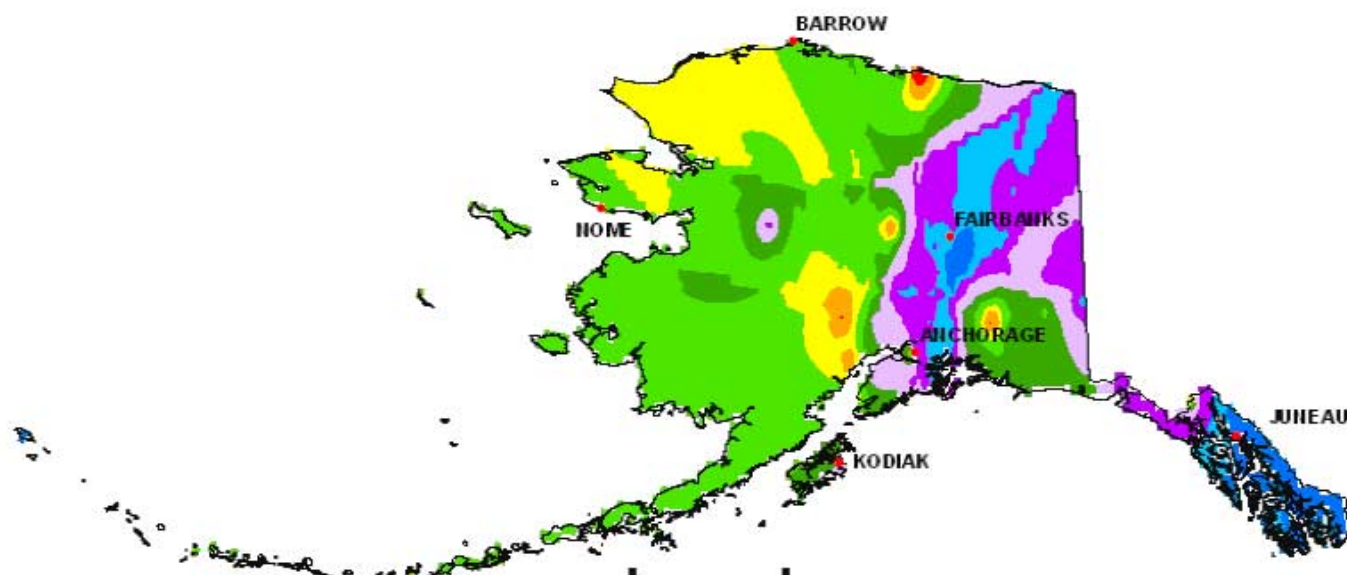
Average Temperature (Degrees F) Annual COOP 2009



Legend



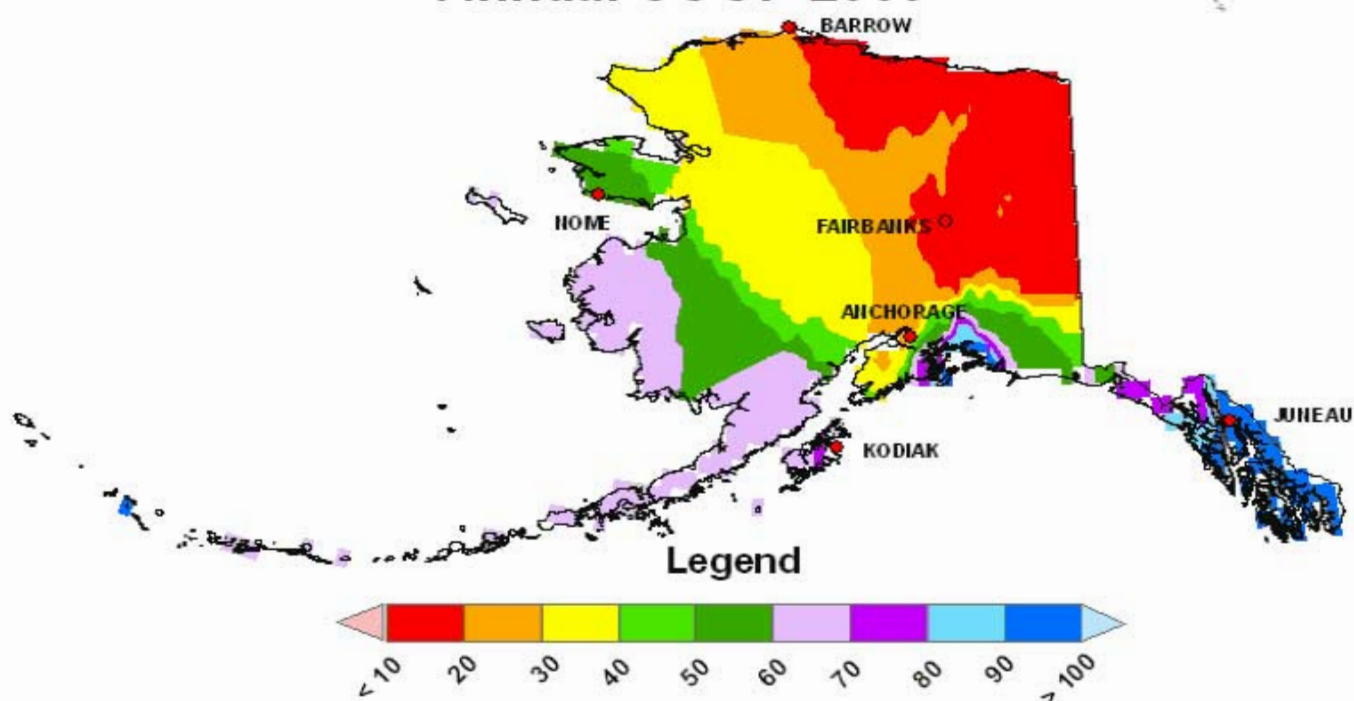
Departure of Average Temperature from Normal (Degrees F) Annual COOP 2009



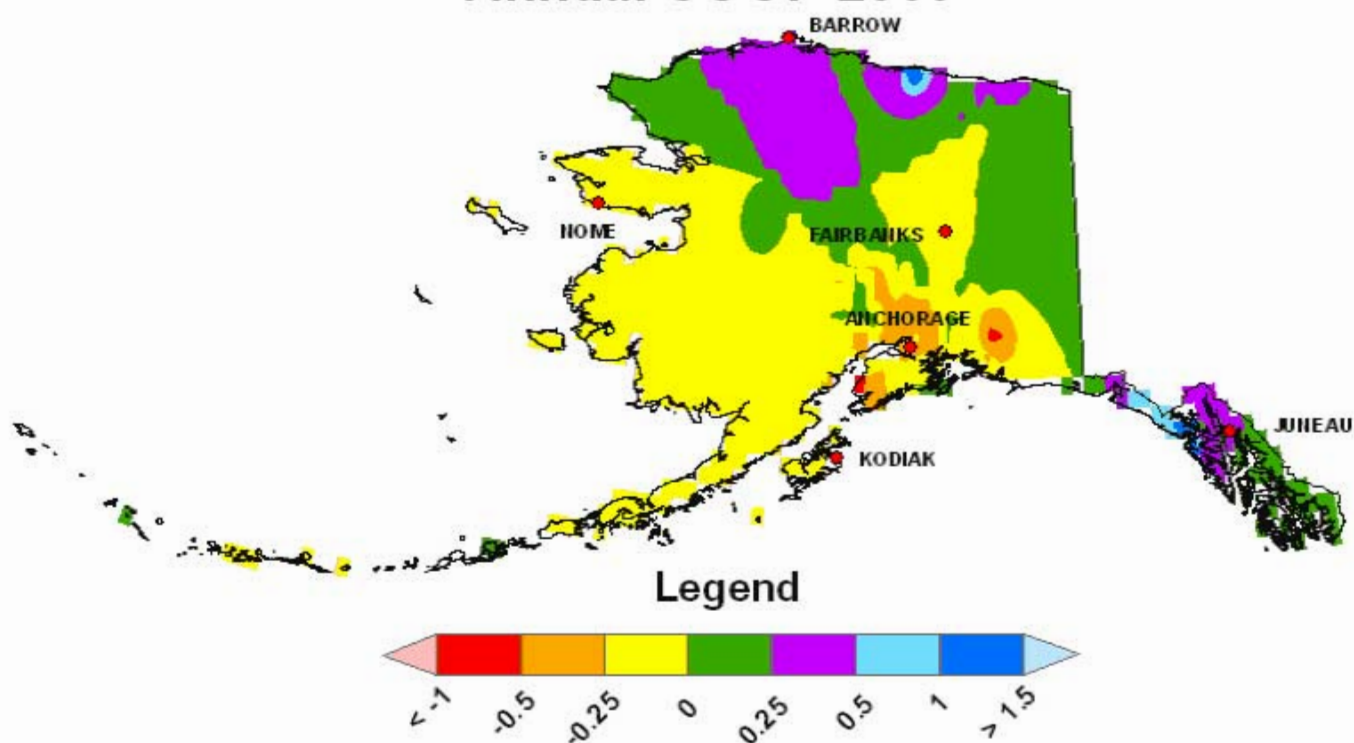
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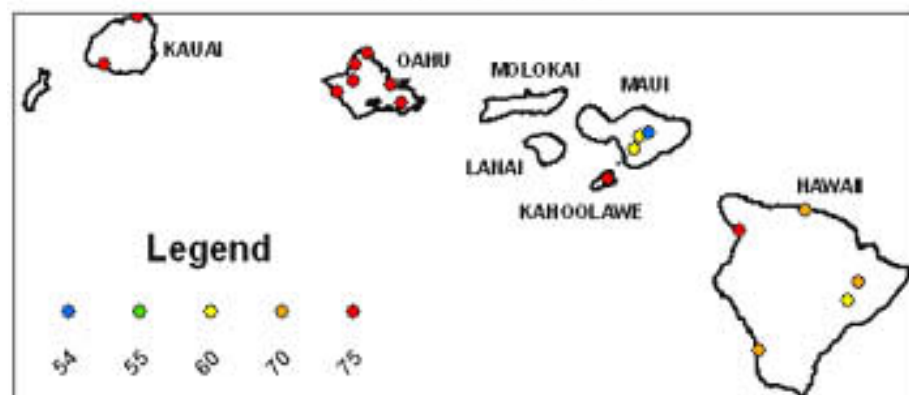
Total Precipitation (Inches) Annual COOP 2009



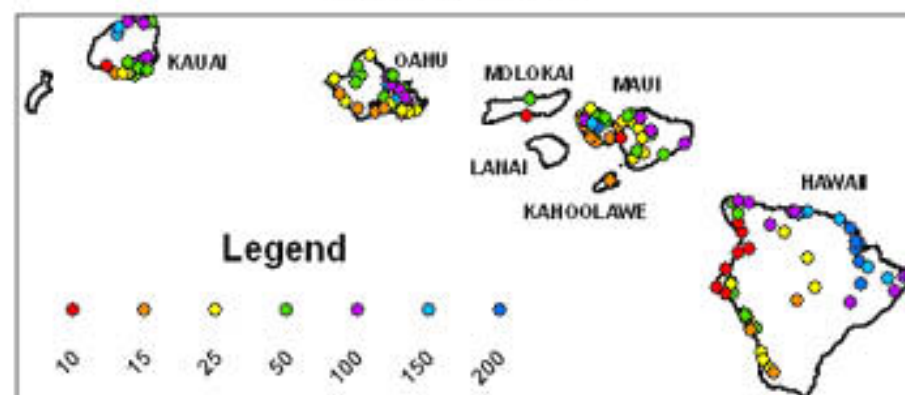
Departure from Normal (Inches) Annual COOP 2009



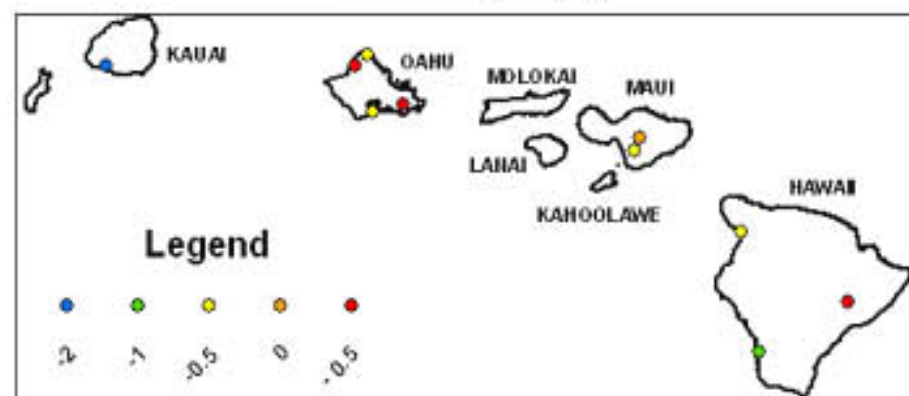
Hawaii Average Temperature (Degrees F)
Annual COOP 2009



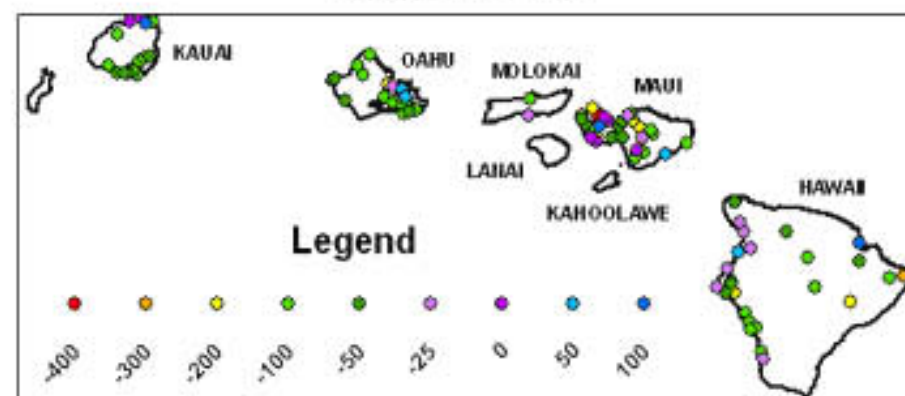
Hawaii Total Precipitation (Inches)
Annual COOP 2009



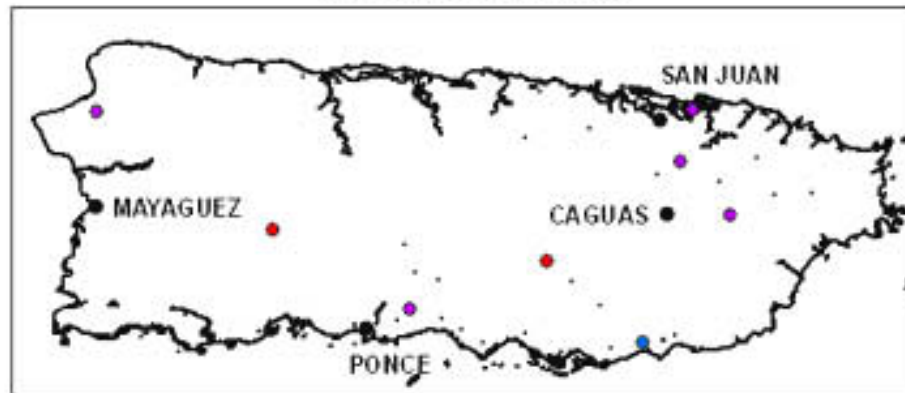
Departure of Average Temperature from Normal (Degrees F)
Annual COOP 2009



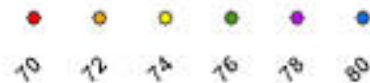
Hawaii Departure from Normal Precipitation (Inches)
Annual COOP 2009



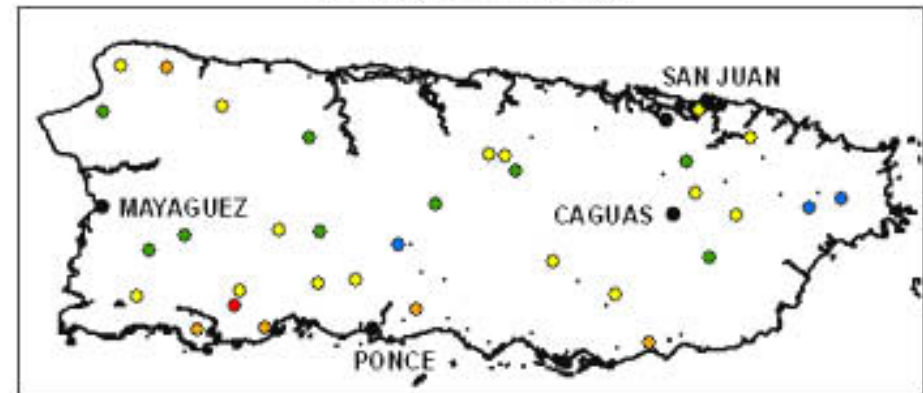
**Puerto Rico Average Temperature (Degrees F)
Annual COOP 2009**



Legend



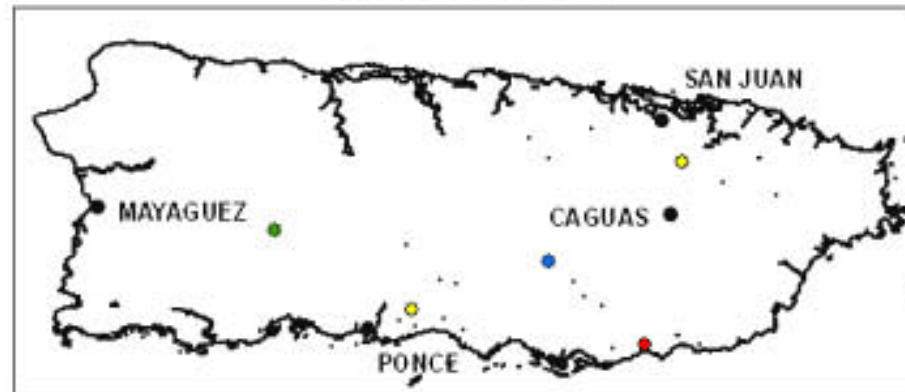
**Puerto Rico Total Precipitation (Inches)
Annual COOP 2009**



Legend



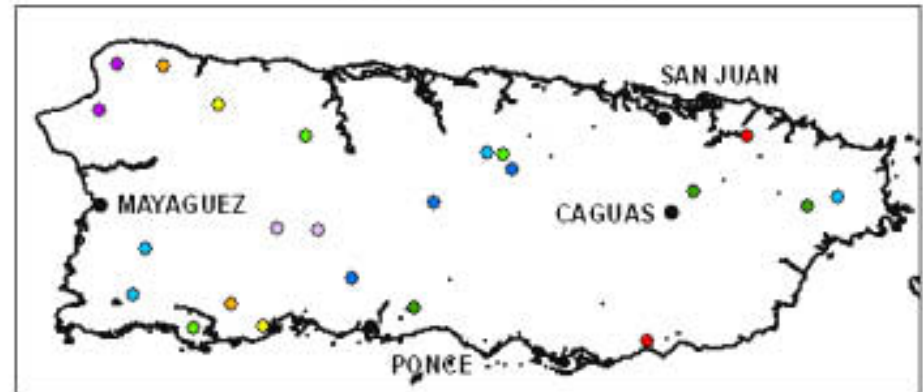
**Departure of Average Temperature from Normal (Degrees F)
Annual COOP 2009**



Legend



**Departure from Normal Precipitation (Inches)
Annual COOP 2009**



Legend



07 - DELAWARE

STATION LEGEND
DATA PUBLISHED IN:

- CLIMATOLOGICAL DATA
- FIRST ORDER DATA
- HOURLY PRECIPITATION DATA
- △ CLIMATOLOGICAL DATA AND
HOURLY PRECIPITATION DATA

For further information, refer to the
station index and reference notes.

DIVISIONS:

1. NORTHERN
2. SOUTHERN

US DOC - NOAA - NCDC - ASHEVILLE NC
Updated FEB 2000

Miles



39.80

39.60

39.40

39.20

39.00

38.80

38.60

38.40

-75.80

-75.65

-75.50

-75.35

-75.20

-75.05

-74.90

19605

16410

19595

1

22730

2

25915

23595

25320

18 - MARYLAND

STATION LEGEND

DATA PUBLISHED IN:

● CLIMATOLOGICAL DATA

○ FIRST ORDER DATA

■ HOURLY PRECIPITATION DATA

▲ CLIMATOLOGICAL DATA AND
HOURLY PRECIPITATION DATA

For further information, refer to the
station index and reference notes.

DIVISIONS:

1. SOUTHERN EASTERN SHORE

2. CENTRAL EASTERN SHORE

3. LOWER SOUTHERN

4. UPPER SOUTHERN

5. NORTHERN EASTERN SHORE

6. NORTHERN CENTRAL

7. APPALACHIAN MOUNTAIN

8. ALLEGHENY PLATEAU

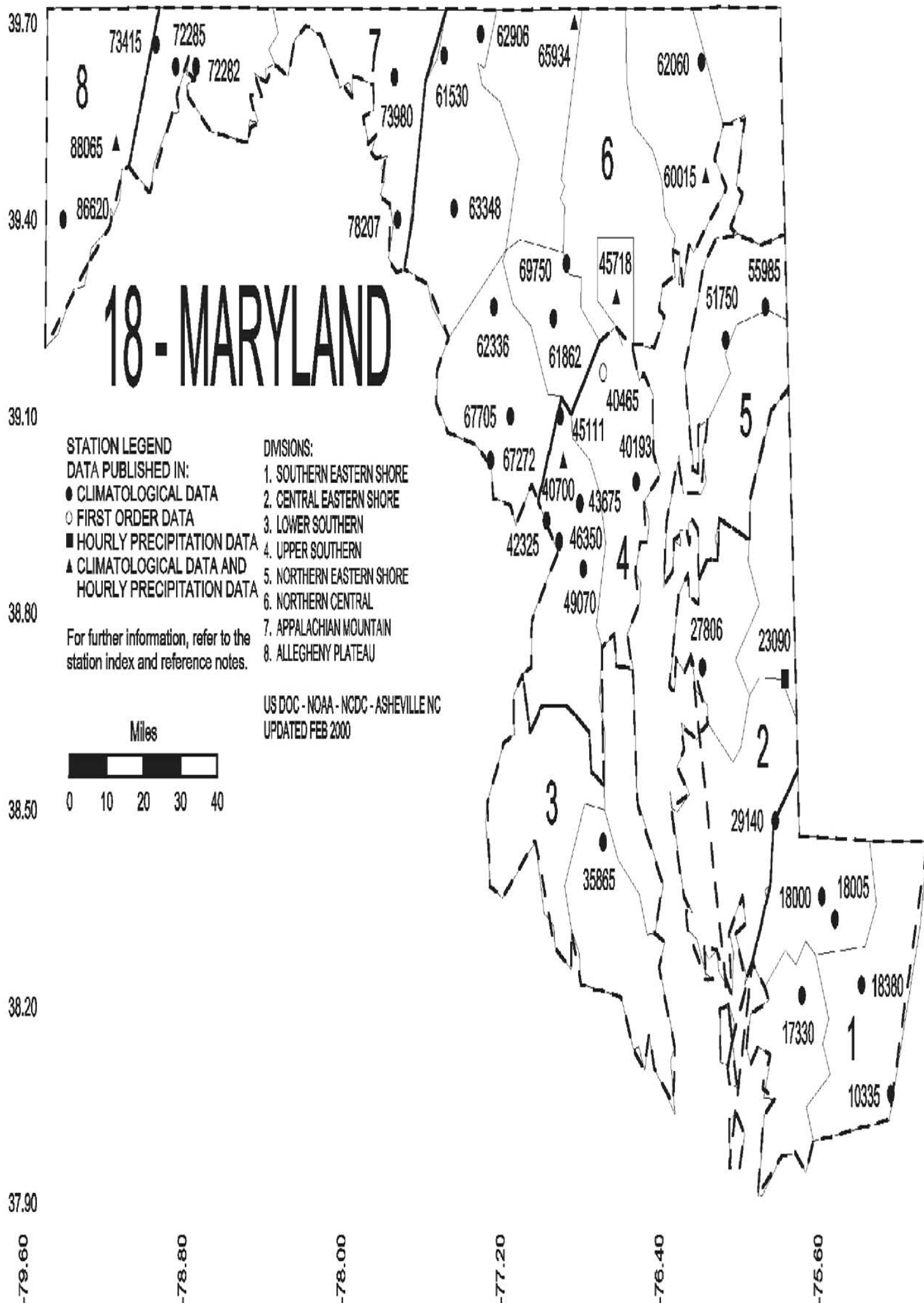
US DOC - NOAA - NCDC - ASHEVILLE NC

UPDATED FEB 2000

Miles



0 10 20 30 40



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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