

WAR DEPARTMENT REPORTS.

METEORS OBSERVED DURING MAY, 1881.

Almota, Wash. Ty., 18th. Boise City, 3d. Ft. Stevenson, 2d, very brilliant, observed about 8 p. m. in the southern heavens; first appeared about 5° above the horizon and inclined south and downward; its flight lasted about 5 seconds, leaving a faint train; in size, it was apparently nearly equal to that of the full moon. Fredericksburg, Tex., 22d, 10.10 p. m., altitude 45°, direction from northwest to southeast; as it passed along it gave a light

much brighter than the stars, leaving a trail of dark blue color and exploded apparently into three balls of fire. Davenport, 22d. Washington, D. C., 9th, 9.45 p. m., appeared 45° above south eastern horizon, pursued a northwesterly course through zenith; extent of its visible path was about 20°. Wood's Holl, 3d, 2.10 a. m., from east to west. Woodstock, Md., 17th, 9 p. m.; 23d, 9 p. m., from southeast to northwest; 24th, 8.35 p. m., from west to east. Williamstown and Fall River, Mass., 13th. Thornville, Mich., 27th. Fayette, Miss., 1st. Atco, N. J., 22d, 24th, North Volney, N. Y., 23d. Waterburg, N. Y., 2d. Little Mountain, Ohio, 7th. Mission House, Wis., 2d.

Table of Maximum and Minimum Temperatures for May, 1881.

STATE OR TERRITORY.	SIGNAL SERVICE.			U. S. ARMY POST SURGEONS OR VOLUNTARY OBSERVERS.			STATE OR TERRITORY.	SIGNAL SERVICE.			U. S. ARMY POST SURGEON OR VOLUNTARY OBSERVERS.		
	Station.	Max.	Min.	Station.	Max.	Min.		Station.	Max.	Min.	Station.	Max.	Min.
Alabama	Montgomery	90°	58°	Auburn and Green Springs	---	56°	Minnesota	Moorhead	88°	---	New Ulm	89°	---
Arizona	Tucson	106°	---	Texas Hill	108°	---	Mississippi	St. Vincent	---	38°	---	---	---
Arkansas	Yuma	---	37°	---	---	---	Vicksburg	---	94°	62°	---	---	---
California	Little Rock	87°	61°	Mt. Ida	88°	---	St. Louis	---	91°	43°	---	---	---
Colorado	Visalia	95°	---	Fayetteville	---	48°	Montana	Fort Keogh	98°	---	---	---	---
Connecticut	Campos	---	37°	Turlock	100°	---	---	Ft. Assiniboine & Rock Creek	---	20°	---	---	---
Dakota	Denver	84°	---	Summit	---	30°	Nebraska	North Platte	88°	37°	Ft. Niobrara	96°	---
Delaware	Pike's Peak	---	5°	Hermosa	95°	---	Nevada	Winnemucca	86°	38°	Carson City	94°	---
Dist. Columbia	New London	89°	---	---	---	---	---	---	---	---	Palisade	---	23°
Florida	New Haven	---	36°	---	---	---	N. Hampshire	Mt. Washington	61°	8°	Contoocookville	88°	---
Georgia	Ft. Bennett	92°	28°	Ft. Buford	---	22°	New Jersey	Sandy Hook	---	91°	South Amboy	97°	---
Iowa	Bismarck	---	28°	Dover	90°	---	---	Barnegat	---	37°	Atco	---	38°
Idaho	Breakwater	82°	45°	---	---	---	New Mexico	La Mesilla	101°	---	Ft. Union	---	28°
Illinois	Washington	95°	44°	---	---	---	---	Sante Fe	---	33°	---	---	---
Indiana	Jacksonville	96°	63°	Ft. Barrancas	---	---	New York	New York City	93°	---	West Point	98°	---
Kentucky	---	---	---	St. Augustine and Houston	---	60°	North Carolina	Buffalo	---	32°	Madison B'ks	---	21°
Louisiana	Augusta	98°	---	Forsyth	99°	---	Ohio	Charlotte	94°	---	Weldon	96°	---
Maine	Atlanta	---	52°	McPherson Bks.	50°	---	---	Fort Macon	---	50°	Murphy	---	43°
Maryland	Dubuque	90°	---	Clinton	95°	35°	---	Columbus	92°	---	Cincinnati	---	---
Massachusetts	Davenport	---	38°	---	---	---	Oregon	Cleveland	---	36°	Jacksonburg and Ruggles	96°	---
Michigan	Ft. Lapwai	88°	27°	---	---	---	Pennsylvania	Roseburg	85°	36°	Ft. Klamath	---	17°
Minnesota	Lewiston and Boise City	88°	---	---	---	---	---	Pittsburg	95°	38°	Milton	100°	---
Mississippi	Springfield	88°	37°	Pecria and Elmira	93°	---	Rhode Island	Newport	85°	39°	Dyberry	---	21°
Missouri	Chicago	88°	---	Logansport	99°	---	South Carolina	Charleston	91°	56°	Ft. Adams	---	35°
Montana	Indianapolis	89°	44°	Spiceland	---	41°	Tennessee	Knoxville	93°	49°	Aiken	97°	53°
Nebraska	Fort Gibson	92°	---	---	---	---	Texas	Rio Grande	102°	---	---	---	---
Nevada	Fort Sill	---	56°	Independence	93°	---	Utah	Fort Davis	---	41°	Ft. Ringgold	106°	---
New Hampshire	Leavenworth	90°	43°	Clay Centre	99°	40°	---	Salt Lake City	86°	40°	Ft. Brown	---	36°
New Jersey	Louisville	93°	51°	Pt. Pleasant	93°	---	Vermont	---	---	---	Promontory	91°	---
New Mexico	Shreveport	92°	60°	Gardiner	---	27°	Virginia	Burlington	85°	30°	Kelton	---	30°
New York	New Orleans	---	---	---	---	---	Washington Ty	Lynchburg	96°	---	Charlotte	90°	---
North Carolina	Portland	86°	---	Woodstock	---	38°	---	Fort Myer	---	43°	Wookstock	---	23°
Ohio	Eastport	---	32°	Williamstown	---	25°	West Virginia	Almota	87°	---	Accotink	97°	---
Oregon	Baltimore	95°	46°	Hudson and Litchfield	94°	---	Wisconsin	Colfax	---	25°	Ft. Monroe	---	42°
Pennsylvania	Boston	91°	36°	Ft. Brady	---	24°	Wyoming	Morgantown	85°	39°	---	---	---
Rhode Island	Marquette	88°	---	---	---	---	---	Madison	88°	35°	Flemington	90°	---
South Carolina	Port Huron	88°	---	---	---	---	---	Milwaukee	88°	---	Beloit	91°	31°
Tennessee	---	---	---	---	---	---	---	Cheyenne	79°	32°	Ft. Fetterman	85°	16°
Texas	---	---	---	---	---	---	---	---	---	---	Ft. Bridger	---	---

SUN SPOTS.

The following record of observations made by Mr. D. P. Todd, Assistant, has been forwarded by Prof. S. Newcomb, U. S. Navy, Superintendent Nautical Almanac Office, Washington, D. C., to W. B. HAZEN, Brig. and Bv't Maj. Gen., Chief Signal Officer, U.S.A.

DATE, MAY, 1881.	No. OF NEW		DISAPPEARED BY SOLAR ROTATION.		REAPPEARED BY SOLAR ROTATION.		TOTAL NUMBER VISIBLE.		REMARKS.
	Groups.	Spots.	Groups.	Spots.	Groups.	Spots.	Groups.	Spots.	
1, 9 a. m.	0	0	1	1	0	2	1	6	Many of the spots small.
5, 7 a. m.	4	9	0	0	---	---	5	15	
7, 9 a. m.	0	0	1	2	0	0	4	13	
8, 9 a. m.	0	5	0	0	0	0	4	18	
5 p. m.	0	7	0	0	0	0	4	25	
9, 8 a. m.	0	0	0	0	0	0	4	18	
10, 9 a. m.	1	3	0	3	1	3	5	18	
11, 9 a. m.	0	7	1	4	0	7	3	17	
12, 9 a. m.	1	10	1	2	1	10	2	20†	
13, 8 a. m.	1	2	0	0	1	2	3	22†	
14, 8 a. m.	0	0	0	0	0	0	3	13†	Many of the spots small.
15, 9 a. m.	0	0	0	0	0	0	2	8	
16, 12 m.	2	5	0	0	1	2	4	8	
22, 10 a. m.	0	0	0	0	0	0	3	9	
23, 8 a. m.	1	5	0	0	0	0	4	16	
24, 6 a. m.	0	10	0	0	0	0	4	25†	
25, 8 a. m.	0	10	2	6	0	0	2	30†	
26, 6 a. m.	1	7	0	0	1	7	3	37†	
27, 8 a. m.	1	7	0	0	0	6	4	44†	
28, 8 a. m.	0	12	0	0	0	12	4	56†	
29, 9 a. m.	0	0	0	8	0	0	4	48†	Faculae were seen at the time of every observation.
30, 8 a. m.	2	15†	0	7	1	1	6	60†	
31, 7 a. m.	0	10	0	5	0	4	5	65†	

† Approximated.