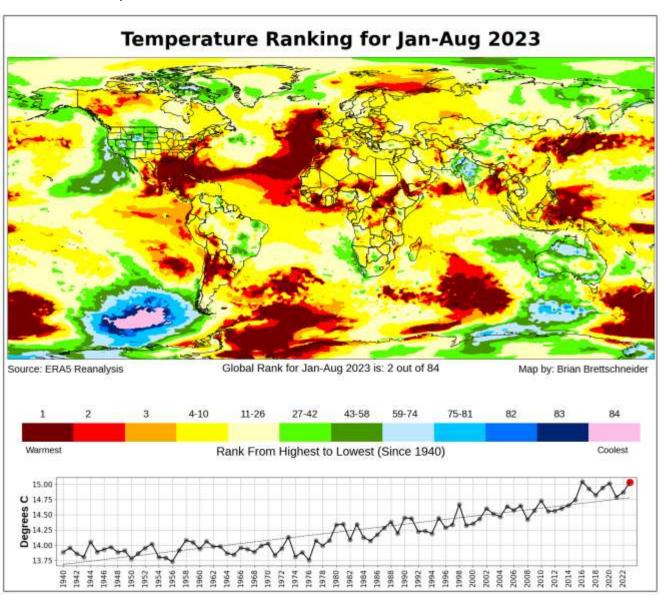
# Rank Map Examples

# **Global Jan-Aug 2023 Temperature Ranking**

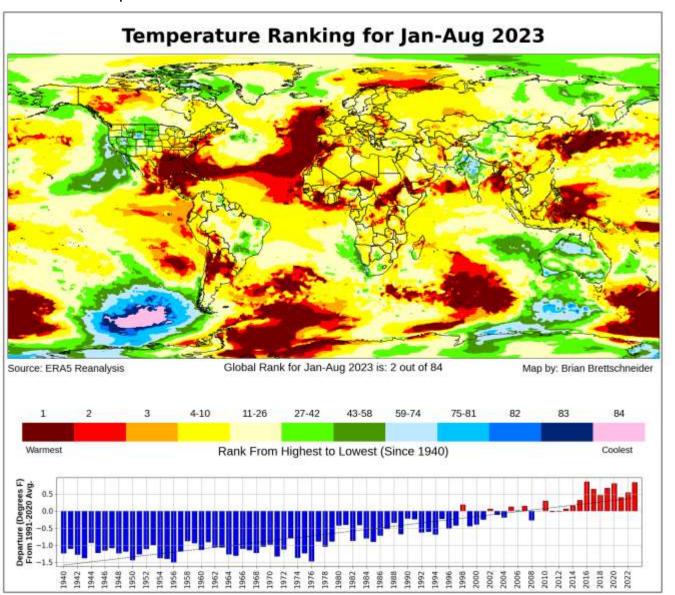
Uses full period of record Metric values time series strip on bottom No other map elements added



Select Map Area (1-10): 1 🗸	Select Map Type (1-9): 1 ✓
1 = Global (time: 0:30 to 1:20) 2 = U.S./Canada (time: 0:30 to 1:40) 3 = Contiguous U.S. (time: 0:30 to 1:50) 4 = Alaska (time: 0:30 to 1:30)	1 = Ranks (since 1940) 2 = Departure From Normal (not clouds/wind) 3 = Below, Near, Above Normal (slower) 4 = Target Year Values (not wind) 5 = Normal Values (not wind) 6 = 50 or 75-Year trend (8-10 mins for new run) 7 = 50-Year ENSO Season Correlation (6-10 mins for new run) 8 = SPI (precip auto selected; 8-mins for new run) 9 = Composite ENSO or List of Years (6-mins for new run) Ranks / trend start year 1940  Note: For periods that wrap around New Year, the start year should by the year at the start of the period. For 1974-75 to 2023-24, (50 years), enter 1974 here (end year should be most current year).
Choose Map Theme (1-8): 1 V  Available themes: 1 = t2m, 2 = precip, 3 = snow, 4 = sst, 5 = dewpt, 6 = clouds, 7 = wind, 8 = seaice	Map Elements (Check top row for most N. American maps)  Lower 48 States U.S. Counties Canada Provinces  Major Rivers U.S. Interstates Gridlines  NWS WFOs NPS Units Climate Divs  Major World Cities World Roads (adds 1:00)
Number of months (up to 12) to evaluate (e.g., 3 for Dec-Feb)	Values or Departure strip (1=Values, 2=Departure): 1 V Show Values or Departure strip (1=Yes, 2=No): 1 V
Year of last month for assessment: 2023	Begin Climo 1991 End Climo 2020
Note 1: Do not select a date in the future! Note 2: Make sure that your period is not 1939-40. There is no 1939 data. Note 3: Even when generating normals, make sure not to pick a date in the future.	Central Longitude (Arctic Only) (Used for Map Type options 2 and 3 above)
ENSO Section Only ONI Min -5.0 ONI Max 5.0 [Use to select from a r	range of average ONI val; or enter list of years manually below.]
OR List of years  Map Subtitle (used when a list of years is entered)  Above/Below (1=Above/2=Below): 1   [Note 1: Only Used if Map Type is 9. Takes 6 mins for new query. Min of 4+ years are Note 2: For the count of years above the trendline, units are % avg for snow and present the count of years above the trendline, units are % avg for snow and present the count of years above the trendline, units are % avg for snow and present the count of years above the trendline, units are % avg for snow and present the count of years above the trendline, units are % avg for snow and present the count of years above the trendline, units are % avg for snow and present the count of years are the years are the count of years are the ye	ed Climatology (ONI or list of years)  and separated by commas has priority. For DJF use end year.]  ecip and clouds. Specify units below for temp, dew pt, and wind
Units → Metric or Imperial (1 = Metric, 2 = Imperial): 1 ✓	
Temp/Wind Departure/Temp Trend Interval 1.0 (Makes 11 categories of Map	p Interval size.)

#### **Global Jan-Aug 2023 Temperature Ranking**

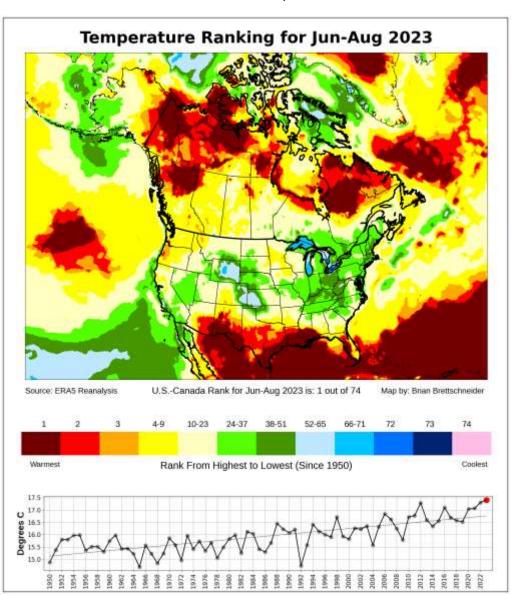
Uses full period of record Imperial departure time series strip on bottom No other map elements added



Select Map Area (1-10) 1 V	Select Map Type (1-9): 1 🕶		
1 = Global (time: 0:30 to 1:20) 2 = U.S./Canada (time: 0:30 to 1:40) 3 = Contiguous U.S. (time: 0:30 to 1:50) 4 = Alaska (time: 0:30 to 1:30) □ Indigenous names 5 = Alaska and NW Canada (time: 0:30 to 1:15) 6 = Polar (time: 0:30 to 1:30) (60 to 90) North ✓ 7 = Europe (time: 0:30 to 1:20) 8 = Pacific Northwest (time: 0:30 to 1:25) 9 = U.S. Pacific Islands (time: 0:30 to 1:25) 10 = Country, State, Province, or Box (all Plate Carree) Country India Countries (e.g., Country New Zealand) States (e.g., State New York) Canada provinces/territories (e.g., Canada Manitoba) Box, N. Lat, S. Lat, W. Lon, E. Lon (Example: Box,45,25,-120,-50)	1 = Ranks (since 1940) 2 = Departure From Normal (not clouds/wind) 3 = Below, Near, Above Normal (slower) 4 = Target Year Values (not wind) 5 = Normal Values (not wind) 6 = 50 or 75-Year trend (8-10 mins for new run) 7 = 50-Year ENSO Season Correlation (6-10 mins for new run) 8 = SPI (precip auto selected; 8-mins for new run) 9 = Composite ENSO or List of Years (6-mins for new run) Ranks / trend start year 1940   Note: For periods that wrap around New Year, the start year should by the year at the start of the period. For 1974-75 to 2023-24, (50 years), enter 1974 here (end year should be most current year).		
Choose Map Theme (1-8): 1 V  Available themes: 1 = t2m, 2 = precip, 3 = snow, 4 = sst, 5 = dewpt, 6 = clouds, 7 = wind, 8 = seaice	Map Elements (Check top row for most N. American maps)  Lower 48 States U.S. Counties Canada Provinces  Major Rivers U.S. Interstates Gridlines  NWS WFOs NPS Units Climate Divs  Major World Cities World Roads (adds 1:00)		
Last month to start evaluation (e.g., 2 for Feb)	Values or Departure strip (1=Values, 2=Departure): 2 V Show Values or Departure strip (1=Yes, 2=No): 1 V		
Number of months (up to 12) to evaluate (e.g., 3 for Dec-Feb) 8 Vear of last month for assessment: 2023			
Note 1: Do not select a date in the future! Note 2: Make sure that your period is not 1939-40. There is no 1939 data. Note 3: Even when generating normals, make sure not to pick a date in the future.	(Used for Map Type options 2 and 3 above)		
ENSO Section Only ONI Min -5.0 ONI Max 5.0 [Use to select from a	range of average ONI val; or enter list of years manually below.]		
OR List of years  Map Subtitle (used when a list of years is entered)  Above/Below (1=Above/2=Below): 1 v 100.0 From Climo. Use Detrended Climatology (ONI or list of years) v  [Note 1: Only Used if Map Type is 9. Takes 6 mins for new query. Min of 4+ years and separated by commas has priority. For DJF use end year.]  [Note 2: For the count of years above the trendline, units are % avg for snow and precip and clouds. Specify units below for temp, dew pt, and wind.			
Units -> Metric or Imperial (1 = Metric, 2 = Imperial): 2 V			
Temp/Wind Departure/Temp Trend Interval 1.0 (Makes 11 categories of Map Interval size.)			
Dark Mode :			
Raw data obtained from Copernicus ECMWF Server. Analysis may not be accurate. Use at your own risk!			
Generate (to reset form, select map area 0 and press button)			

# **US-Canada Jun-Aug 2023 Temperature Ranking Since 1950**

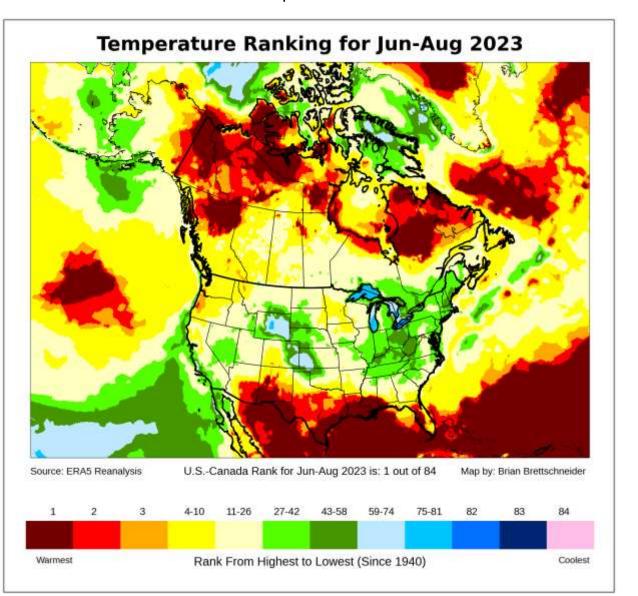
Uses 1950-preset period of record Metric values time series strip on bottom Added U.S. states and Canadian provinces



Select Map Area (1-10) 2 V	Select Map Type (1-9): 1 🕶		
1 = Global (time: 0:30 to 1:20) 2 = U.S./Canada (time: 0:30 to 1:40) 3 = Contiguous U.S. (time: 0:30 to 1:50) 4 = Alaska (time: 0:30 to 1:30) □ Indigenous names 5 = Alaska and NW Canada (time: 0:30 to 1:15) 6 = Polar (time: 0:30 to 1:30) (60 □ to 90) North  7 = Europe (time: 0:30 to 1:20) 8 = Pacific Northwest (time: 0:30 to 1:25) 9 = U.S. Pacific Islands (time: 0:30 to 1:25) 10 = Country, State, Province, or Box (all Plate Carree)  Country India  Countries (e.g., Country New Zealand) States (e.g., State New York) Canada provinces/territories (e.g., Canada Manitoba) Box, N. Lat, S. Lat, W. Lon, E. Lon (Example: Box, 45, 25, -120, -50)	1 = Ranks (since 1940) 2 = Departure From Normal (not clouds/wind) 3 = Below, Near, Above Normal (slower) 4 = Target Year Values (not wind) 5 = Normal Values (not wind) 6 = 50 or 75-Year trend (8-10 mins for new run) 7 = 50-Year ENSO Season Correlation (6-10 mins for new run) 8 = SPI (precip auto selected; 8-mins for new run) 9 = Composite ENSO or List of Years (6-mins for new run) Ranks / trend start year 1950 ✓ Note: For periods that wrap around New Year, the start year should by the year at the start of the period. For 1974-75 to 2023-24, (50 years), enter 1974 here (end year should be most current year).		
Choose Map Theme (1-8): 1 V  Available themes: 1 = t2m, 2 = precip, 3 = snow, 4 = sst, 5 = dewpt, 6 = clouds, 7 = wind, 8 = seaice	Map Elements (Check top row for most N. American maps) Lower 48 States  U.S. Counties  Canada Provinces  Major Rivers  U.S. Interstates  Gridlines  NWS WFOs  NPS Units  Climate Divs  Major World Cities  World Roads (adds 1:00)		
Last month to start evaluation (e.g., 2 for Feb) 8	Values or Departure strip (1=Values, 2=Departure): 1 V Show Values or Departure strip (1=Yes, 2=No): 1 V		
Number of months (up to 12) to evaluate (e.g., 3 for Dec-Feb).  Year of last month for assessment: 2023	Begin Climo 1991 End Climo 2020		
Note 1: Do not select a date in the future! Note 2: Make sure that your period is not 1939-40. There is no 1939 data. Note 3: Even when generating normals, make sure not to pick a date in the future.	Central Longitude (Arctic Only) 0 (Used for Map Type options 2 and 3 above)		
ENSO Section Only. ONI Min -5.0 ONI Max 5.0 [Use to select from a	range of average ONI val; or enter list of years manually below.]		
OR List of years  Map Subtitle (used when a list of years is entered) 20 chars or less  Above/Below (1=Above/2=Below): 1 v 100.0 From Climo. Use Detrended Climatology (ONI or list of years) v			
[Note 1: Only Used if Map Type is 9. Takes 6 mins for new query. Min of 4+ years and separated by commas has priority. For DJF use end year.] [Note 2: For the count of years above the trendline, units are % avg for snow and precip and clouds. Specify units below for temp, dew pt, and wind.			
Units -> Metric or Imperial (1 = Metric, 2 = Imperial): 1 V  Temp/Wind Departure/Temp Trend Interval 1.0 (Makes 11 categories of Map Interval size.)			
Dark Mode :			
Raw data obtained from Copernicus ECMWF Server. Analysis may not be accurate. Use at your own risk!			
Generate (to reset form, select map area 0 and press button)			

#### **US-Canada Jun-Aug 2023 Temperature Ranking**

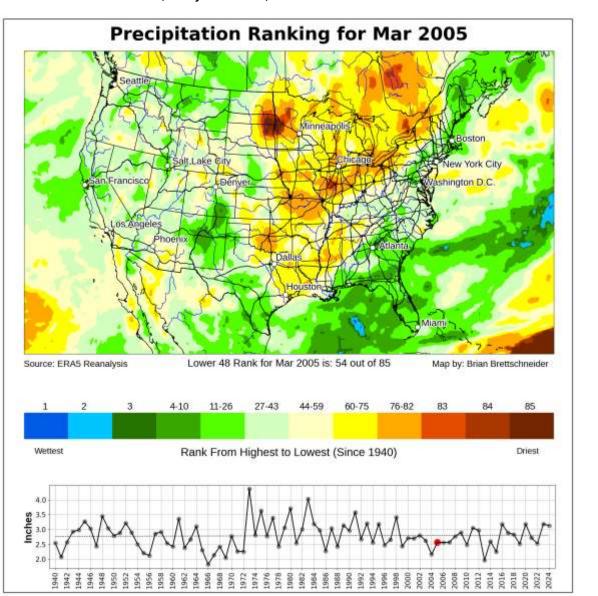
Uses full period of record No values/departure strip on bottom Added U.S. states and Canadian provinces



Select Map Area (1-10) 2 V	Select Map Type (1-9): 1 V		
1 = Global (time: 0:30 to 1:20) 2 = U.S./Canada (time: 0:30 to 1:40) 3 = Contiguous U.S. (time: 0:30 to 1:50) 4 = Alaska (time: 0:30 to 1:30) □ Indigenous names 5 = Alaska and NW Canada (time: 0:30 to 1:15) 6 = Polar (time: 0:30 to 1:30) (60 □ to 90) North  7 = Europe (time: 0:30 to 1:20) 8 = Pacific Northwest (time: 0:30 to 1:35) 9 = U.S. Pacific Islands (time: 0:30 to 1:25) 10 = Country, State, Province, or Box (all Plate Carree)  Country India  Countries (e.g., Country New Zealand) States (e.g., State New York) Canada provinces/territories (e.g., Canada Manitoba) Box, N. Lat, S. Lat, W. Lon, E. Lon (Example: Box, 45,25,-120,-50)	1 = Ranks (since 1940) 2 = Departure From Normal (not clouds/wind) 3 = Below, Near, Above Normal (slower) 4 = Target Year Values (not wind) 5 = Normal Values (not wind) 6 = 50 or 75-Year trend (8-10 mins for new run) 7 = 50-Year ENSO Season Correlation (6-10 mins for new run) 8 = SPI (precip auto selected; 8-mins for new run) 9 = Composite ENSO or List of Years (6-mins for new run) Ranks / trend start year 1940 V  Note: For periods that wrap around New Year, the start year should by the year at the start of the period. For 1974-75 to 2023-24, (50 years), enter 1974 here (end year should be most current year).		
Choose Map Theme (1-8): 1 V  Available themes: 1 = t2m, 2 = precip, 3 = snow, 4 = sst, 5 = dewpt, 6 = clouds, 7 = wind, 8 = seaice	Map Elements (Check top row for most N. American maps) Lower 48 States		
Number of months (up to 12) to evaluate (e.g., 3 for Dec-Feb) 3	Values or Departure strip (1=Values, 2=Departure): 1 V Show Values or Departure strip (1=Yes, 2=No) 2 V		
Year of last month for assessment 2023	Begin Climo 1991 End Climo 2020		
Note 1: Do not select a date in the future! Note 2: Make sure that your period is not 1939-40. There is no 1939 data. Note 3: Even when generating normals, make sure not to pick a date in the future.	Central Longitude (Arctic Only) 0 (Used for Map Type options 2 and 3 above)		
ENSO Section Only ONI Min -5.0 ONI Max 5.0 [Use to select from a	range of average ONI val; or enter list of years manually below.]		
OR List of years  Map Subtitle (used when a list of years is entered) 20 chars or less  Above/Below (1=Above/2=Below): 1   100.0 From Climo. Use Detrended Climatology (ONI or list of years)			
[Note 1: Only Used if Map Type is 9. Takes 6 mins for new query. Min of 4+ years and separated by commas has priority. For DJF use end year.] [Note 2: For the count of years above the trendline, units are % avg for snow and precip and clouds. Specify units below for temp, dew pt, and wind			
Units -> Metric or Imperial (1 = Metric, 2 = Imperial): 1  Temp/Wind Departure/Temp Trend Interval 1.0 (Makes 11 categories of Map Interval size.)			
Dark Mode :			
Raw data obtained from Copernicus ECMWF Server. Analysis may not be accurate. Use at your own risk!			
Congreta (to recet form releat man area () and press button)			

# **Contiguous U.S. March 2005 Precipitation Ranking**

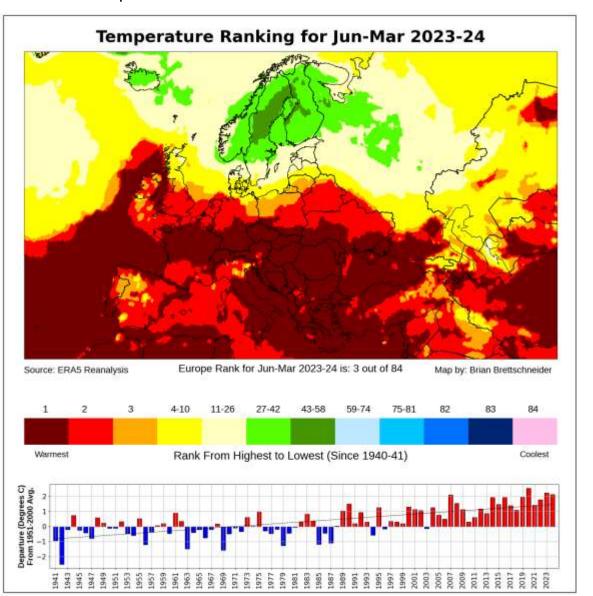
Uses full period of record Imperial values time series strip on bottom Added U.S. states, major rivers, and interstates



7 = Europe (time: 0:30 to 1:20) 8 = Pacific Northwest (time: 0:30 to 1:35) 9 = U.S. Pacific Islands (time: 0:30 to 1:25) 10 = Country, State, Province or Box (all Plate Carree)  Country India  Country India  Country India  Country India  Country India  Country New Zealand) States (e.g., Country New Zealand) States (e.g., State New York) Canada provinces/territories (e.g., Canada Manitoba) Box. N. Lat. S. Lat. W. Lon, E. Lon (Example: Box, 45, 25, -120, -50)  Map Elements (Check top row for most N. American maps)	Select Map Area (1-10) 3 🕶	Select Map Type (1-9): 1 V
Choose Map Theme (1-8) 2	2 = U.S./Canada (lime. 0:30 to 1:40)  = Contiguous U.S. (time. 0:30 to 1:50)  = Alaska (time. 0:30 to 1:30) □ Indigenous names  = Alaska and NW Canada (time. 0:30 to 1:15)  = Polar (time. 0:30 to 1:30) (60 to 90) North □  = Europe (time. 0:30 to 1:20)  = Pacific Northwest (time. 0:30 to 1:35)  = U.S. Pacific Islands (time. 0:30 to 1:25)  0 = Country. State, Province, or Box (all Plate Carree)  Country India  Countries (e.g., Country New Zealand)  States (e.g., State New York)  Canada provinces/territories (e.g., Canada Manitoba)	2 = Departure From Normal (not clouds/wind) 3 = Below, Near, Above Normal (slower) 4 = Target Year Values (not wind) 5 = Normal Values (not wind) 6 = 50 or 75-Year trend (8-10 mins for new run) 7 = 50-Year ENSO Season Correlation (6-10 mins for new run 8 = SPI (precip auto selected; 8-mins for new run) 9 = Composite ENSO or List of Years (6-mins for new run) Ranks / trend start year 1940 > Note: For periods that wrap around New Year, the start year should by the year at the start of the period. For 1974-75 to 2023-24, (50 years).
Number of months (up to 12) to evaluate (e.g. 3 for Dec-Feb) 1   Year of last month for assessment 2005  Note 1: Do not select a date in the future! Note 2: Make sure that your period is not 1939-40. There is no 1939 data. Note 3: Even when generating normals, make sure not to pick a date in the future.  ENSO Section Only ONI Mir. 5:0 ONI Max 5:0 [Use to select from a range of average ONI val. or enter list of years manually below OR. List of years Map Subtitle (used when a list of years is entered) 20 chers or less Above/Below (1=Above/2=Below) 1   Note 1: Only Used If Map Type is 9: Taxes 6 mans for new query. Min of 4+ years and separated by commas has priority. For DJF use end year 1 Note 2: For the count of years above the trendline, units are % avg for snow and precip and clouds. Specify units below for temp, deverpt, and will Units > Metric or Imperial (1 = Metric, 2 = Imperial) 2   Improve/Hend Departure/Temp Trend Interval 1:0 (Makes 11 categories of Map Interval size.)	Available themes: 1 = 12m, 2 = precip, 3 = snow, 4 = sst ,	Lower 48 States U.S. Counties Canada Provinces Major Rivers U.S. Interstates Garidines NWS WFOs NPS Units Climate Divs
OR List of years  Map Subtitle (used when a list of years is entered) 20 chars or 1ess  Above/Below (1=Above/2=Below) 1 v 100 0 From Climo. Use Detrended Climatology (ON) or list of years) v  Note 1. Only Used if Map Type is 9. Takes 6 mans for new query. Min of 4+ years and separated by commas has priority. For DJF use end year.]  Note 2. For the count of years above the trendline, units are % avg for snow and precip and clouds. Specify units below for temp, device, and will  Units > Metric or Imperial (1 = Metric, 2 = Imperial) 2 v  Temp/Wind Departure/Temp Trend Interval 1.6 (Makes 11 categories of Map Interval size.)	Number of months (up to 12) to evaluate (e.g., 3 for Dec-Feb): 1   Veer of last month for assessment 2005  Note 1: Do not select a date in the future! Note 2: Make sure that your period is not 1939-40. There is no 1939 data.	Show Values or Departure strip (1=Yes, 2=No): 1  Begin Climo 1991 End Climo 2020  Central Longitude (Arctic Only) 0
Note: 1. Only Used if Map Type is 9. Takes 6 mans for new query. Min of 4+ years and separated by common has priority. For DJF use end year.]  Note: 1. Only Used if Map Type is 9. Takes 6 mans for new query. Min of 4+ years and separated by common has priority. For DJF use end year.]  Note: 2. For the count of years above the trendline, units are % avg for snow and precip and clouds. Specify units below for temp, deep pt, and will units. > Metric or Imperial (1 = Metric, 2 = Imperial) 2 > 1  Temp/Wind Departure/Temp Trend Interval 1.0 (Makes 11 categories of Map Interval size.)	DR List of years	range of average ONI val. or enter list of years manually below.
Temp/Wind Departure/Temp Trend Interval 1.0 (Makes 11 categories of Map Interval size.)	Above/Below (1=Above/2=Below): 1    100 0 From Climo Use Detrend  Note 1. Only Used if Map Type is 9: Takes 6 mins for new query. Min of 4+ years a	and separated by commas has priority. For DJF use end year ]
Dark Mode : □	and the second of the control of the second	sp Interval size.)
	Dark Mode: 🗆	

#### **Europe Jun 2023-Mar 2024 Temperature Ranking**

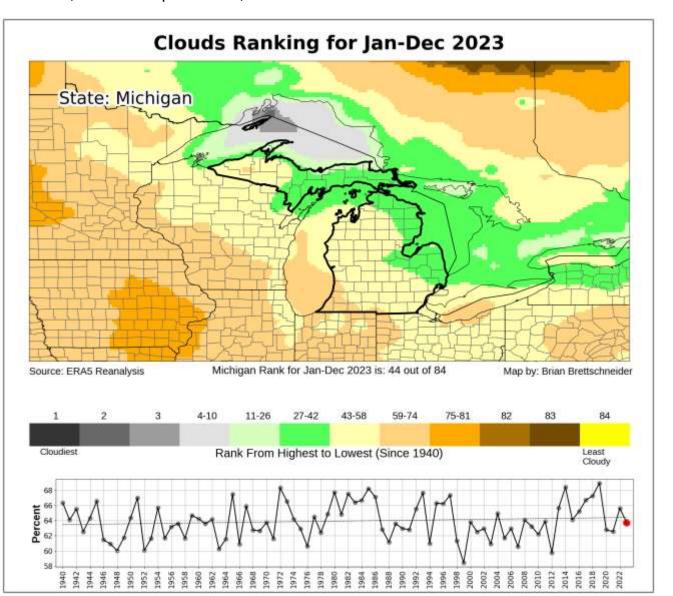
Uses full period of record Metric values departure from 1951-2000 normal No other map elements added



Select Map Area (1-10): 7 🔻	Select Map Type (1-9): 1 V	
1 = Global (time: 0:30 to 1:20) 2 = U.S./Canada (time: 0:30 to 1:40) 3 = Contiguous U.S. (time: 0:30 to 1:50) 4 = Alaska (time: 0:30 to 1:30) □ Indigenous names 5 = Alaska and NW Canada (time: 0:30 to 1:15) 6 = Polar (time: 0:30 to 1:30) (60	1 = Ranks (since 1940) 2 = Departure From Normal (not clouds/wind) 3 = Below, Near, Above Normal (slower) 4 = Target Year Values (not wind) 5 = Normal Values (not wind) 6 = 50 or 75-Year trend (8-10 mins for new run) 7 = 50-Year ENSO Season Correlation (6-10 mins for new run) 8 = SPI (precip auto selected; 8-mins for new run) 9 = Composite ENSO or List of Years (6-mins for new run) Ranks / trend start year 1940 V  Note: For periods that wrap around New Year, the start year should by the year at the start of the period. For 1974-75 to 2023-24, (50 years), enter 1974 here (end year should be most current year).	
Choose Map Theme (1-8): 1 V  Available themes: 1 = t2m, 2 = precip, 3 = snow, 4 = sst, 5 = dewpt, 6 = clouds, 7 = wind, 8 = seaice	Map Elements (Check top row for most N. American maps) Lower 48 States  U.S. Counties  Canada Provinces   Major Rivers  U.S. Interstates  Gridlines   NWS WFOs  NPS Units  Climate Divs   Major World Cities  World Roads (adds 1:00)	
Last month to start evaluation (e.g., 2 for Feb. 3 v	Values or Departure strip (1=Values, 2=Departure): 2 V Show Values or Departure strip (1=Yes, 2=No): 1 V	
Number of months (up to 12) to evaluate (e.g., 3 for Dec-Feb) 10 ✓  Year of last month for assessment 2024	Begin Climo 1951 End Climo 2000	
Note 1: Do not select a date in the future! Note 2: Make sure that your period is not 1939-40. There is no 1939 data. Note 3: Even when generating normals, make sure not to pick a date in the future.	Central Longitude (Arctic Only) 0 (Used for Map Type options 2 and 3 above)	
ENSO Section Only ONI Min -5.0 ONI Max 5.0 [Use to select from a	range of average ONI val; or enter list of years manually below.]	
OR List of years  Map Subtitle (used when a list of years is entered)  Above/Below (1=Above/2=Below): 1   100.0 From Climo. Use Detrended Climatology (ONI or list of years)  [Note 1: Only Used if Map Type is 9. Takes 6 mins for new query. Min of 4+ years and separated by commas has priority. For DJF use end year.]  [Note 2: For the count of years above the trendline, units are % avg for snow and precip and clouds. Specify units below for temp, dew pt, and wind		
Units -> Metric or Imperial (1 = Metric, 2 = Imperial):		
Temp/Wind Departure/Temp Trend Interval 1.0 (Makes 11 categories of Ma	p Interval size.)	
Dark Mode :		
Raw data obtained from Copernicus ECMWF Server. Analysis may not be accura	ate. Use at your own risk!	
Generate (to reset form, select map area 0 and press button)		

#### Michigan Jan-Dec 2023 Clouds Ranking

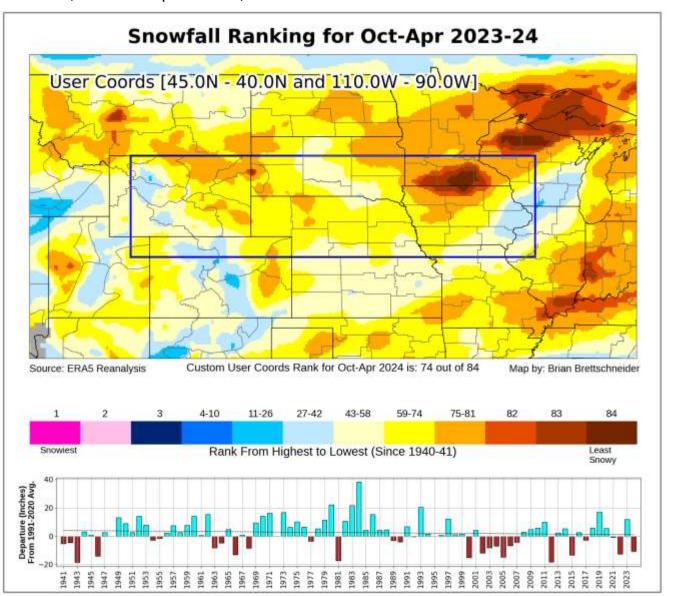
Uses full period of record Time series is always percent for clouds States, Canadian provinces, and counties added



Select Map Area (1-10) 10 V	Select Map Type (1-9): 1 -	
1 = Global (time: 0:30 to 1:20) 2 = U.S./Canada (time: 0:30 to 1:40) 3 = Contiguous U.S. (time: 0:30 to 1:50) 4 = Alaska (time: 0:30 to 1:30) □ Indigenous names 5 = Alaska and NW Canada (time: 0:30 to 1:15) 6 = Polar (time: 0:30 to 1:30) (60 □ to 90) North □ 7 = Europe (time: 0:30 to 1:20) 8 = Pacific Northwest (time: 0:30 to 1:25) 9 = U.S. Pacific Islands (time: 0:30 to 1:25) 10 = Country, State, Province, or Box (all Plate Carree)  State Michigan	1 = Ranks (since 1940) 2 = Departure From Normal (not clouds/wind) 3 = Below, Near, Above Normal (slower) 4 = Target Year Values (not wind) 5 = Normal Values (not wind) 6 = 50 or 75-Year trend (8-10 mins for new run) 7 = 50-Year ENSO Season Correlation (6-10 mins for new run) 8 = SPI (precip auto selected; 8-mins for new run) 9 = Composite ENSO or List of Years (6-mins for new run) Ranks / trend start year 1940 V  Note: For periods that wrap around New Year, the start year should by the year at the start of the period. For 1974-75 to 2023-24, (50 years), enter 1974 here (end year should be most current year).	
Choose Map Theme (1-8).  Available themes: 1 = t2m, 2 = precip, 3 = snow, 4 = sst, 5 = dewpt, 6 = clouds, 7 = wind, 8 = seaice	Map Elements (Check top row for most N. American maps) Lower 48 States ☑ U.S. Counties ☑ Canada Provinces ☑ Major Rivers ☐ U.S. Interstates ☐ Gridlines ☐ NWS WFOs ☐ NPS Units ☐ Climate Divs ☐ Major World Cities ☐ World Roads (adds 1:00) ☐	
Last month to start evaluation (e.g., 2 for Feb) 12 V	Values or Departure strip (1=Values, 2=Departure): 1  Show Values or Departure strip (1=Yes, 2=No): 1	
Number of months (up to 12) to evaluate (e.g., 3 for Dec-Feb) 12 Vear of last month for assessment: 2023	Begin Climo 1991 End Climo 2020	
Note 1: Do not select a date in the future! Note 2: Make sure that your period is not 1939-40. There is no 1939 data. Note 3: Even when generating normals, make sure not to pick a date in the future.	Central Longitude (Arctic Only) 0 (Used for Map Type options 2 and 3 above)	
ENSO Section Only ONI Min -5.0 ONI Max 5.0 [Use to select from a	range of average ONI val; or enter list of years manually below.]	
OR List of years  Map Subtitle (used when a list of years is entered)  20 chars or less  Above/Below (1=Above/2=Below): 1   100.0   From Climo. Use Detrended Climatology (ONI or list of years)		
[Note 1: Only Used if Map Type is 9. Takes 6 mins for new query. Min of 4+ years and separated by commas has priority. For DJF use end year.] [Note 2: For the count of years above the trendline, units are % avg for snow and precip and clouds. Specify units below for temp, dew pt, and wind.		
Units -> Metric or Imperial (1 = Metric, 2 = Imperial): 1 -  Temp/Wind Departure/Temp Trend Interval 1.0 (Makes 11 categories of Makes 11)	p Interval size.)	
Dark Mode :		
Raw data obtained from <u>Copernicus ECMWF Server</u> . Analysis may not be accur-	ate. Use at your own risk!	
Generate (to reset form, select map area 0 and press button)		

# User-Defined Box Oct 2023-Apr 2024 Snowfall Ranking

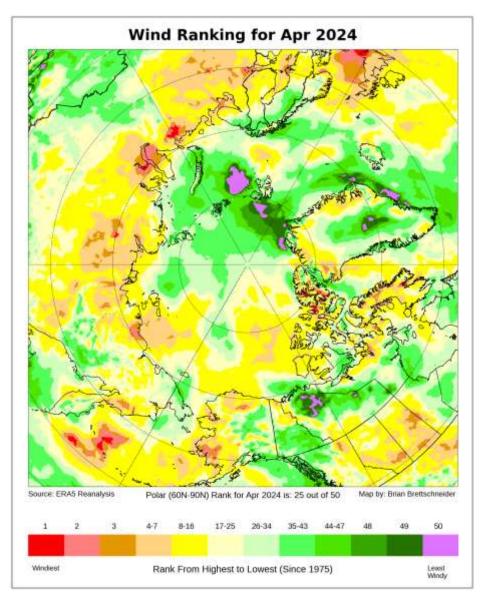
Uses full period of record Imperial departure time series strip on bottom States, Canadian provinces, and climate divisions added



Select Map Area (1-10) 10 V	Select Map Type (1-9): 1 🕶		
1 = Global (time: 0:30 to 1:20) 2 = U.S./Canada (time: 0:30 to 1:40) 3 = Contiguous U.S. (time: 0:30 to 1:50) 4 = Alaska (time: 0:30 to 1:30) □ Indigenous names 5 = Alaska and NW Canada (time: 0:30 to 1:15) 6 = Polar (time: 0:30 to 1:30) (60 □ to 90) North  7 = Europe (time: 0:30 to 1:20) 8 = Pacific Northwest (time: 0:30 to 1:35) 9 = U.S. Pacific Islands (time: 0:30 to 1:25) 10 = Country State Province or Box (all Plate Carree) Box, 45, 40, -110, -90	1 = Ranks (since 1940) 2 = Departure From Normal (not clouds/wind) 3 = Below, Near, Above Normal (slower) 4 = Target Year Values (not wind) 5 = Normal Values (not wind) 6 = 50 or 75-Year trend (8-10 mins for new run) 7 = 50-Year ENSO Season Correlation (6-10 mins for new run) 8 = SPI (precip auto selected; 8-mins for new run) 9 = Composite ENSO or List of Years (6-mins for new run) Ranks / trend start year 1940 V  Note: For periods that wrap around New Year, the start year should by the year at the start of the period. For 1974-75 to 2023-24, (50 years), enter 1974 here (end year should be most current year).		
Choose Map Theme (1-8) 3 V  Available themes: 1 = t2m, 2 = precip, 3 = snow, 4 = sst, 5 = dewpt, 6 = clouds, 7 = wind, 8 = seaice	Map Elements (Check top row for most N. American maps) Lower 48 States  U.S. Counties  Canada Provinces   Major Rivers  U.S. Interstates  Gridlines   NWS WFOs  NPS Units  Climate Divs   Major World Cities  World Roads (adds 1:00)		
Number of months (up to 12) to evaluate (e.g., 3 for Dec-Feb)  Year of last month for assessment: 2024	Values or Departure strip (1=Values, 2=Departure)  Show Values or Departure strip (1=Yes, 2=No): 1  Begin Climo 1991 End Climo 2020		
Note 1: Do not select a date in the future!  Note 2: Make sure that your period is not 1939-40. There is no 1939 data.  Note 3: Even when generating normals, make sure not to pick a date in the future.			
ENSO Section Only ONI Min -5.0 ONI Max 5.0 [Use to select from a	range of average ONI val; or enter list of years manually below.]		
OR List of years  Map Subtitle (used when a list of years is entered)  Above/Below (1=Above/2=Below): 1   100.0 From Climo. Use Detrended Climatology (ONI or list of years)  [Note 1: Only Used if Map Type is 9. Takes 6 mins for new query. Min of 4+ years and separated by commas has priority. For DJF use end year.]			
[Note 2: For the count of years above the trendline, units are % avg for snow and precip and clouds. Specify units below for temp, dew pt, and wind.			
Units -> Metric or Imperial (1 = Metric, 2 = Imperial) 2 -  Temp/Wind Departure/Temp Trend Interval 1.0 (Makes 11 categories of Map Interval size.)			
Dark Mode :			
Raw data obtained from Copernicus ECMWF Server. Analysis may not be accurate. Use at your own risk!			
Generate (to reset form, select map area 0 and press button)			

#### **North Polar Apr 2024 Wind Ranking**

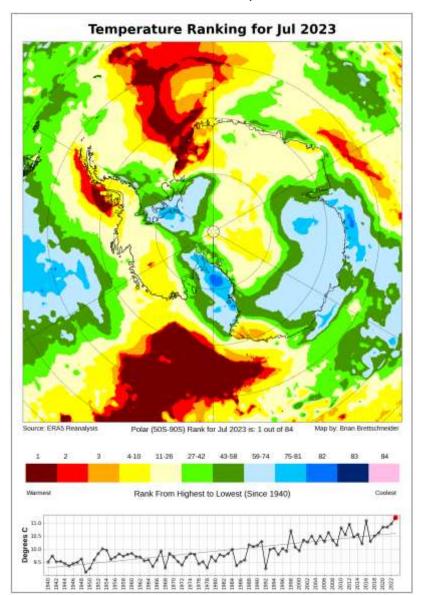
Uses 1975-preset period of record Centered on N. Pole; Central Meridian in 150W. Canadian provinces and gridlines added. No time series strip.



Select Map Area (1-10) 6	Select Map Type (1-9): 1 🕶	
1 = Global (time: 0:30 to 1:20) 2 = U.S./Canada (time: 0:30 to 1:40) 3 = Contiguous U.S. (time: 0:30 to 1:50) 4 = Alaska (time: 0:30 to 1:30) □ Indigenous names 5 = Alaska and NW Canada (time: 0:30 to 1:15) 6 = Polar (time: 0:30 to 1:30) ([50] to 90) North 7 = Europe (time: 0:30 to 1:20) 8 = Pacific Northwest (time: 0:30 to 1:35) 9 = U.S. Pacific Islands (time: 0:30 to 1:25) 10 = Country, State, Province, or Box (all Plate Carree) [Global	1 = Ranks (since 1940) 2 = Departure From Normal (not clouds/wind) 3 = Below, Near, Above Normal (slower) 4 = Target Year Values (not wind) 5 = Normal Values (not wind) 6 = 50 or 75-Year trend (8-10 mins for new run) 7 = 50-Year ENSO Season Correlation (6-10 mins for new rur 8 = SPI (precip auto selected; 8-mins for new run) 9 = Composite ENSO or List of Years (6-mins for new run) Ranks / trend start year  1975 V  Note: For periods that wrap around New Year, the start year should by the year at the start of the period. For 1974-75 to 2023-24, (50 years), enter 1974 here (end year should be most current year).	
Choose Map Theme (1-8) 7 Available themes: 1 = t2m, 2 = precip, 3 = snow, 4 = sst, 5 = dewpt, 6 = clouds, 7 = wind, 8 = seaice	Map Flements (Check top row for most N. American maps) Lower 48 States □ U.S. Counties □ Canada Provinces ☑ Major Rivers □ U.S. Interstates □ Gridlines ☑ NWS WFOs □ NPS Units □ Climate Divs □ Major World Cities □ World Roads (adds 1:00) □	
Last month to start evaluation (e.g., 2 for Feb) 4 V	Values or Departure strip (1=Values, 2=Departure): 1 V Show Values or Departure strip (1=Yes, 2=No) 2 V	
Number of months (up to 12) to evaluate (e.g., 3 for Dec-Feb): 1   Year of last month for assessment: 2024	Begin Climo 1991 End Climo 2020	
Note 1: Do not select a date in the future!  Note 2: Make sure that your period is not 1939-40. There is no 1939 data.  Note 3: Even when generating normals, make sure not to pick a date in the future.	Central Longitude (Arctic Only [-150] (Used for Map Type options 2 and 3 above)	
ENSO Section Only ONI Min -5.0 ONI Max 5.0 [Use to select from a	range of average ONI val; or enter list of years manually below	
OR List of years Map Subtitle (used when a list of years is entered) Above/Below (1=Above/2=Below): 1   100.0 From Climo. Use Detrended Climatology (ONI or list of years)		
[Note 1: Only Used if Map Type is 9. Takes 6 mins for new query. Min of 4+ years and separated by commas has priority. For DJF use end year.] [Note 2: For the count of years above the trendline, units are % avg for snow and precip and clouds. Specify units below for temp, dew pt, and win		
Units -> Metric or Imperial (1 = Metric, 2 = Imperial): 1 V		
Temp/Wind Departure/Temp Trend Interval 1.0 (Makes 11 categories of Map Interval size.)		
Dark Mode :		
Raw data obtained from Copernicus ECMWF Server. Analysis may not be accurate. Use at your own risk!		
Generate (to reset form, select map area 0 and press button)		

#### **South Polar July 2023 Temperature Ranking**

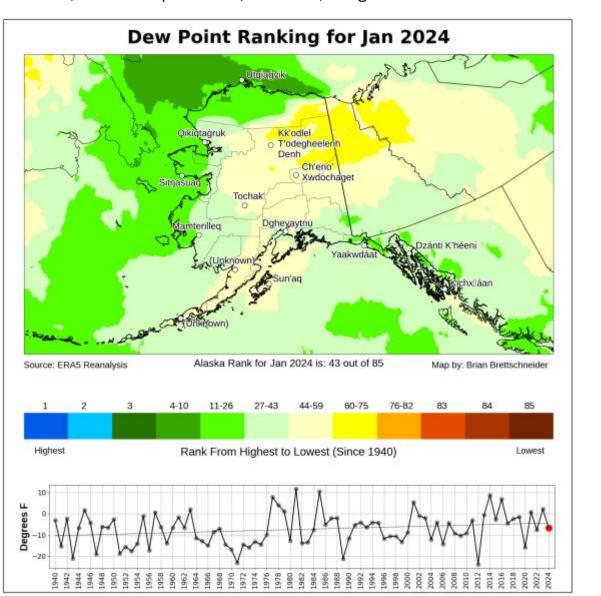
Uses full period of record Centered on S. Pole; Central Meridian in 0 E/W. Metric values time series strip on bottom, Gridlines added.



Select Map Area (1-10):	Select Map Type (1-9): 1		
1 = Global (time: 0:30 to 1:20) 2 = U.S./Canada (time: 0:30 to 1:40) 3 = Contiguous U.S. (time: 0:30 to 1:50) 4 = Alaska (time: 0:30 to 1:30)	1 = Ranks (since 1940) 2 = Departure From Normal (not clouds/wind) 3 = Below, Near, Above Normal (slower) 4 = Target Year Values (not wind) 5 = Normal Values (not wind) 6 = 50 or 75-Year trend (8-10 mins for new run) 7 = 50-Year ENSO Season Correlation (6-10 mins for new run) 8 = SPI (precip auto selected; 8-mins for new run) 9 = Composite ENSO or List of Years (6-mins for new run) Ranks / trend start year 1940  Note: For periods that wrap around New Year, the start year should by the year at the start of the period. For 1974-75 to 2023-24, (50 years), enter 1974 here (end year should be most current year).		
Choose Map Theme (1-8): 1 V  Available themes: 1 = t2m, 2 = precip, 3 = snow, 4 = sst, 5 = dewpt, 6 = clouds, 7 = wind, 8 = seaice	Map Elements (Check top row for most N. American maps)  Lower 48 States □ U.S. Counties □ Canada Provinces □  Major Rivers □ U.S. Interstates □ Gridlines ☑  NWS WFOs □ NPS Units □ Climate Divs □  Major World Cities □ World Roads (adds 1:00) □		
Last month to start evaluation (e.g., 2 for Feb) 7	Values or Departure strip (1=Values, 2=Departure): 1 ✓ Show Values or Departure strip (1=Yes, 2=No): 1 ✓		
Number of months (up to 12) to evaluate (e.g., 3 for Dec-Feb): 1 V  Year of last month for assessment: 2023  Begin Climo 1991 End Climo 2020			
Note 1: Do not select a date in the future! Note 2: Make sure that your period is not 1939-40. There is no 1939 data. Note 3: Even when generating normals, make sure not to pick a date in the future.	Central Longitude (Arctic Only) 0 (Used for Map Type options 2 and 3 above)		
ENSO Section Only ONI Min -5.0 ONI Max 5.0 [Use to select from a	range of average ONI val; or enter list of years manually below.]		
OR List of years  Map Subtitle (used when a list of years is entered)  Above/Below (1=Above/2=Below): 1   100.0 From Climo. Use Detrended Climatology (ONI or list of years)  [Note 1: Only Used if Map Type is 9. Takes 6 mins for new query. Min of 4+ years and separated by commas has priority. For DJF use end year.]  [Note 2: For the count of years above the trendline, units are % avg for snow and precip and clouds. Specify units below for temp, dew pt, and wind.			
Units → Metric or Imperial (1 = Metric, 2 = Imperial): 1 ✓			
Temp/Wind Departure/Temp Trend Interval 1.0 (Makes 11 categories of Map Interval size.)			
Dark Mode :			
Raw data obtained from Copernicus ECMWF Server. Analysis may not be accurate. Use at your own risk!			
Generate (to reset form, select map area 0 and press button)			

#### **Alaska January 2024 Dew Point Ranking**

Uses full period of record Imperial values time series strip on bottom States, Canadian provinces, counties, indigenous names added



	Select Map Area (1-10) 4	Select Map Type (1-9): 1 🕶		
	1 = Global (time: 0:30 to 1:20) 2 = U.S./Canada (time: 0:30 to 1:40) 3 = Contiguous U.S. (time: 0:30 to 1:50) 4 = Alaska (time: 0:30 to 1:30)	1 = Ranks (since 1940) 2 = Departure From Normal (not clouds/wind) 3 = Below, Near, Above Normal (slower) 4 = Target Year Values (not wind) 5 = Normal Values (not wind) 6 = 50 or 75-Year trend (8-10 mins for new run) 7 = 50-Year ENSO Season Correlation (6-10 mins for new run) 8 = SPI (precip auto selected; 8-mins for new run) 9 = Composite ENSO or List of Years (6-mins for new run) Ranks / trend start year 1940 V  Note: For periods that wrap around New Year, the start year should by the year at the start of the period. For 1974-75 to 2023-24, (50 years), enter 1974 here (end year should be most current year).		
	Choose Map Theme (1-8) 5 V  Available themes: 1 = t2m, 2 = precip, 3 = snow, 4 = sst, 5 = dewpt, 6 = clouds, 7 = wind, 8 = seaice	Map Elements (Check top row for most N. American maps) Lower 48 States ☑ U.S. Counties ☑ Canada Provinces ☑ Major Rivers ☐ U.S. Interstates ☐ Gridlines ☐ NWS WFOs ☐ NPS Units ☐ Climate Divs ☐ Major World Cities ☐ World Roads (adds 1:00) ☐		
	Last month to start evaluation (e.g., 2 for Feb. 1	Values or Departure strip (1=Values, 2=Departure): 1 V Show Values or Departure strip (1=Yes, 2=No): 1 V		
	Number of months (up to 12) to evaluate (e.g., 3 for Dec-Feb): 1   Year of last month for assessment 2024	Begin Climo 1991 End Climo 2020		
	Note 1: Do not select a date in the futurel Note 2: Make sure that your period is not 1939-40. There is no 1939 data. Note 3: Even when generating normals, make sure not to pick a date in the future.	Central Longitude (Arctic Only) 0 (Used for Map Type options 2 and 3 above)		
	ENSO Section Only ONI Min 5.0 ONI Max 5.0 [Use to select from a	range of average ONI val; or enter list of years manually below.]		
	OR List of years  Map Subtitle (used when a list of years is entered)  Above/Below (1=Above/2=Below): 1 100.0 From Climo. Use Detrended Climatology (ONI or list of years)  [Note 1: Only Used if Map Type is 9. Takes 6 mins for new query. Min of 4+ years and separated by commas has priority. For DJF use end year.]  [Note 2: For the count of years above the trendline, units are % avg for snow and precip and clouds. Specify units below for temp, dew pt, and wind			
	Units -> Metric or Imperial (1 = Metric, 2 = Imperial) 2 V  Temp/Wind Departure/Temp Trend Interval 1.0 (Makes 11 categories of Map Interval size.)			
	Dark Mode :			
j	Raw data obtained from <u>Copernicus ECMWF Server</u> . Analysis may not be accura	ate. Use at your own risk!		
ı	Generate (to reset form select man area () and press hutton)			