

Spot Forecast for Ptarmigan Complex...BLM
National Weather Service Fairbanks AK
722 AM AKDT Sat Jul 5 2025

Forecast is based on forecast start time of 0730 AKDT on July 05.
If conditions become unrepresentative...contact the National Weather Service.

...HEAT ADVISORY IN EFFECT UNTIL 10 PM AKDT THIS EVENING...
...RED FLAG WARNING IN EFFECT UNTIL 1 AM AKDT SUNDAY...

.DISCUSSION...
Resent to include extended outlook.

Friday July 4th observations near the complex of fires reported max temperatures in the upper 80s to low 90s, with minimum RH values near 20 percent. Winds increased out of the northeast in the evening, peak gusts reaching 15 mph. Early this Saturday morning we are seeing excellent RH recovery in the valleys, with sites reporting values in the 90 to 100 percent range. With that said, the Buckley Bar Fire is likely seeing more active fire behavior in the upper terrain due to the thermal belt above the inversion.

Moving through Saturday we will see temperatures climb back up into the upper 80s, low 90s, with RH diminishing to 20 percent. Expect east-northeast winds to continue, with gusts largely remaining below 20 mph. Sunday, light winds become more south-southwesterly in the late afternoon, as a ridge breaks down across the state. This feature will bring back cooler temps, higher RH, increased chances for wetting rain from thunderstorms, and gusty/erratic wind from outflow.

Discussion for DAYS 4-7...An arctic trough swings south over the North slope late on Tuesday bringing much colder temperatures and even the possibility of mixed rain and snow across the Brooks Range. A short period of southerly flow brings showers to the Interior Tuesday through Thursday along with continued cool temperatures and higher RH. Precipitation amounts are trending upward with this system, but still look to be spotty with consecutive days of wetting rain unlikely for any given location.

.REST OF TODAY...

Sky/weather.....Sunny (10-20 percent). Haze and areas of smoke.
CWR.....0 percent.
Tstm Coverage.....None.
Max temperature.....Around 82.
Min humidity.....21 percent.
Wind (20 ft).....East winds 5 to 8 mph.
Ridgetop wind.....East 10 mph gust 15 mph.
Mixing height.....700 ft AGL increasing to 5600 ft AGL in the
late morning and afternoon.
Transport winds.....East around 13 mph.
Inversion burnoff...Near 10am.

.TONIGHT...

Sky/weather.....Mostly clear (10-20 percent). Haze and areas of

smoke.
CWR.....0 percent.
Tstm Coverage.....None.
Min temperature.....Around 56.
Max humidity.....72 percent.
Wind (20 ft).....East winds 5 to 8 mph in the evening becoming
light.
Ridgetop wind.....East 10 mph becoming light.
Mixing height.....5600 ft AGL decreasing to 300 ft AGL in the
late evening and overnight.
Transport winds.....East around 7 mph.
Inversion setup.....Near 11pm.

.SUNDAY...

Sky/weather.....Mostly sunny (25-35 percent). Haze and areas of
smoke through the day. Isolated showers and
thunderstorms in the afternoon.
CWR.....10 percent.
Tstm Coverage.....Isolated.
Max temperature.....Around 83.
Min humidity.....29 percent.
Wind (20 ft).....South winds around 5 mph. Gusty and erratic
winds expected near thunderstorms in the
afternoon.
Ridgetop wind.....Light winds becoming southwest 8 to 12 gust 18 mph.
Mixing height.....300 ft AGL increasing to 7900 ft AGL.
Transport winds.....South around 3 mph.
Inversion burnoff...Near 10am.

.FORECAST DAYS 3 THROUGH 5...

.MONDAY...

Mostly cloudy. Numerous showers and isolated thunderstorms. Haze
and areas of smoke. Lows in the mid 50s. Highs around 80. Light
winds.

.TUESDAY...

Cooler. Haze and areas of smoke in the evening. Widespread
showers and isolated thunderstorms. Lows in the mid 50s. Highs in
the mid 60s. Southwest winds around 6 mph.

.WEDNESDAY...

Widespread showers and isolated thunderstorms. Lows in the lower
40s. Highs in the upper 50s. North winds around 6 mph.

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Forecaster...PARK

Requested by...Simon Madhavan

Type of request...WILDFIRE

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