

“Weather and Climate Treasure Hunt” – 22 September 2015

Activity Guide

[1] Where do we currently stand compared to climatology? Daily Climate Report (CLI)

<http://w2.weather.gov/climate/index.php?wfo=gsp>

a) How did yesterday’s Asheville (AVL) maximum and minimum temperatures compare to ‘normal’?

b) How does AVL’s precipitation for this month and year compare to ‘normal’?

c) Has AVL experienced a warmer-than-normal or cooler-than normal year so far?

[2] Are there currently any imminent weather threats for AVL as indicated at the following web sites?

Mesonet? [<http://www.weather.gov/gsp/> → Current Conditions → Observations (map)]

Lightning strikes? [<http://www.lightningmaps.org/realtime?lang=pl>]

Hurricanes? [<http://www.nhc.noaa.gov/>]

Severe weather? [<http://www.spc.noaa.gov/>]

Flooding potential? [<http://www.wpc.ncep.noaa.gov/>]

List threat(s), if any

[3] What are the predicted maximum and minimum temperatures and precipitation accumulation amounts at AVL over the next 1 – 3 days and will a synoptic-scale cyclone or anticyclone influence the weather at AVL? If the answer to the latter is “yes”, will the cyclone or anticyclone be increasing or decreasing in intensity over the next 1 – 3 days? Potential resources; NWS [weather.gov], Weather Prediction Center [<http://www.wpc.ncep.noaa.gov/>], and NCEP computer weather model forecasts [<http://mag.ncep.noaa.gov/model-guidance-model-area.php#>]

Day 1;

Day 2;

Day 3;

[4] What is the Climate Prediction Center’s 6 to 10 day outlook for temperature and precipitation at AVL compared to ‘normal’? [<http://www.cpc.ncep.noaa.gov/products/predictions/610day/>]

[5] What is the Climate Prediction Center’s outlook for Jan-Feb-Mar 2016 for temperature and precipitation at AVL compared to ‘normal’?
[<http://www.cpc.ncep.noaa.gov/products/predictions/90day/>]