

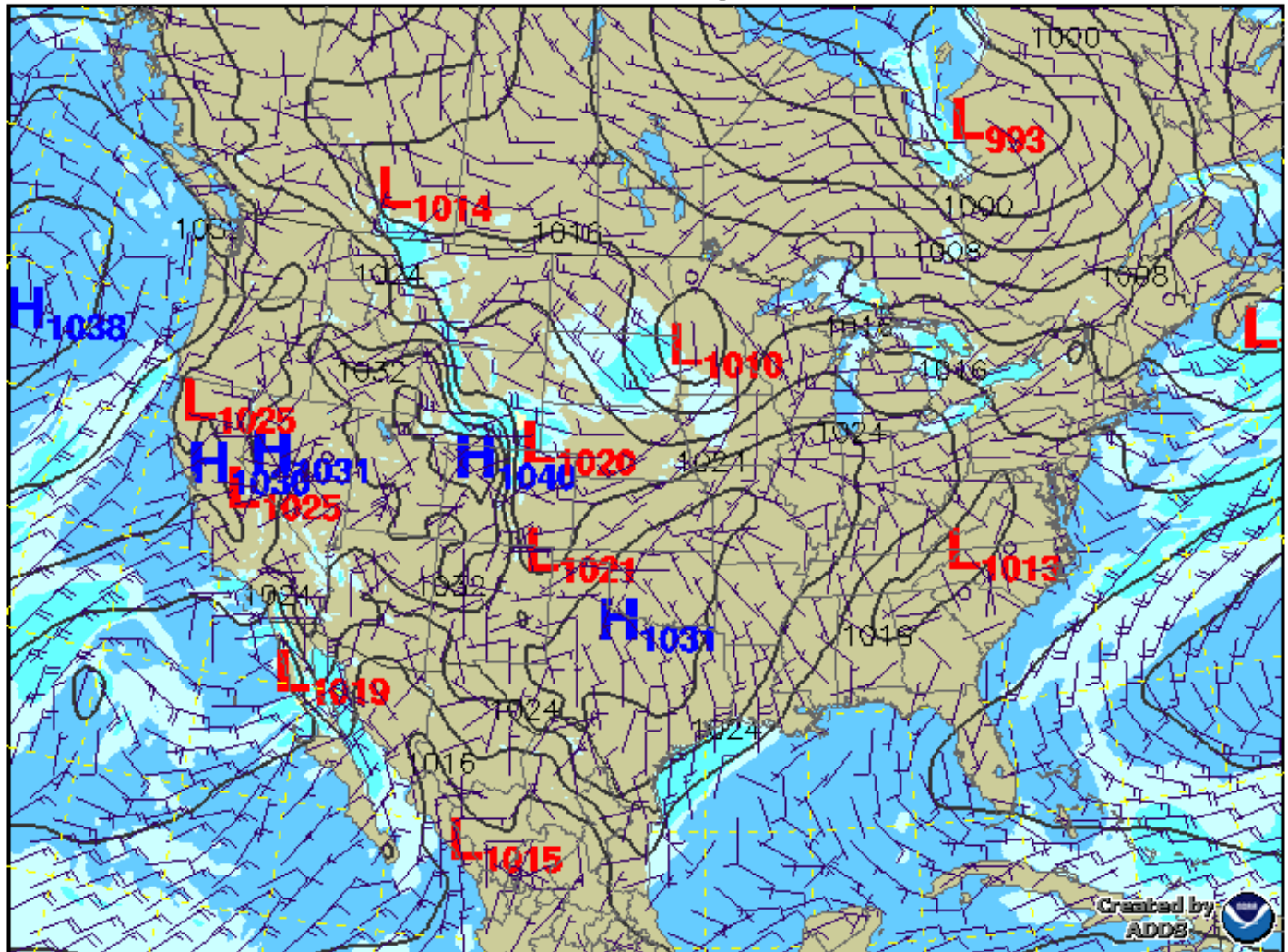


# Vizualizácia vetra

Jakub Jurových

# Sea-level pressure (mb) / surface wind speed (kts)

Analysis valid 0600 UTC Tue 10 Dec 2013



ADDs temp/wind charts supplement, but do not substitute for, the official winds and temperatures aloft forecast contained in the FB product.

Winds (knots): Upper Troposphere

Avn analysis for 1200Z 24 JAN 10

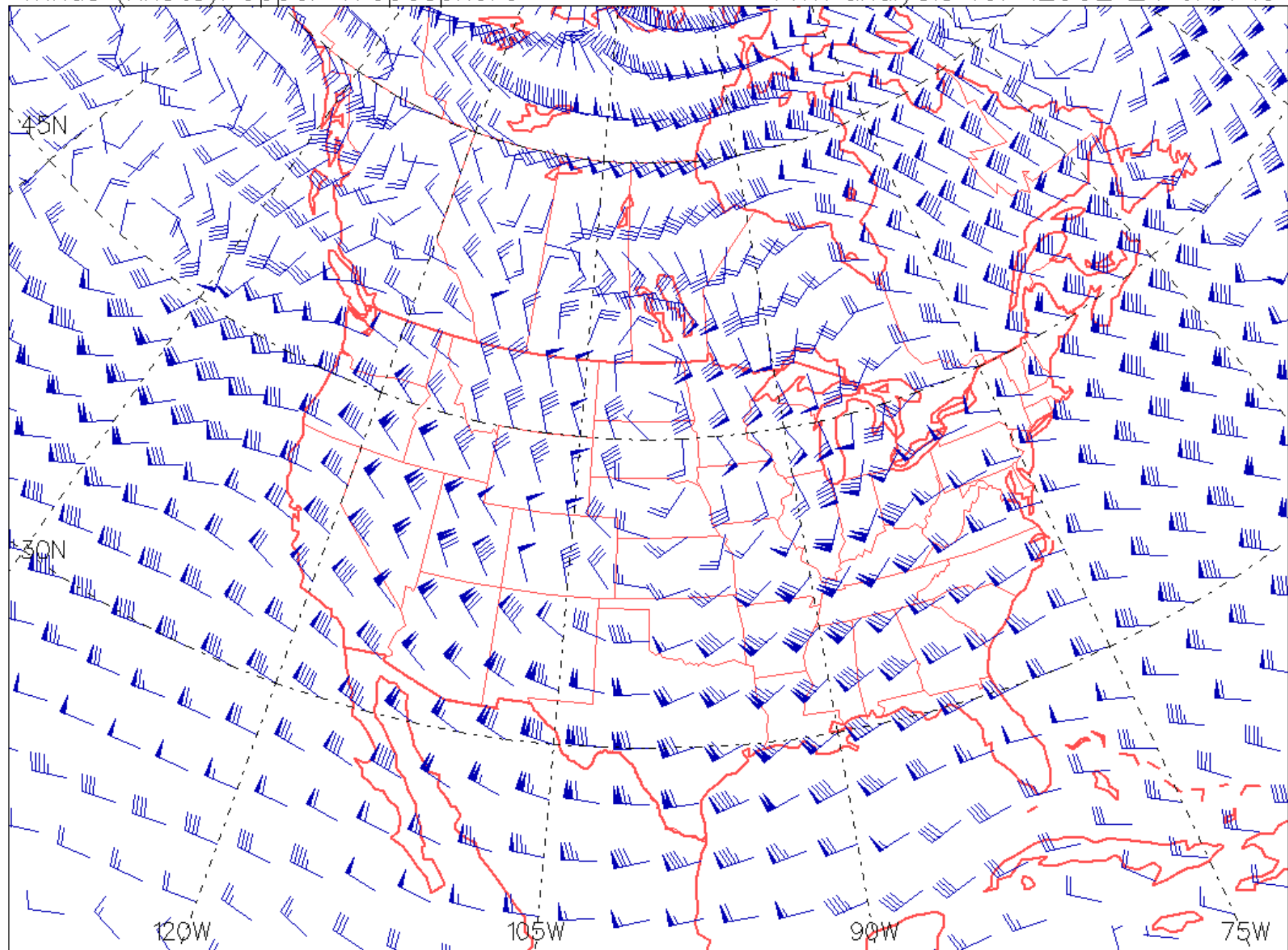


Figure 3

MAX: 165.8

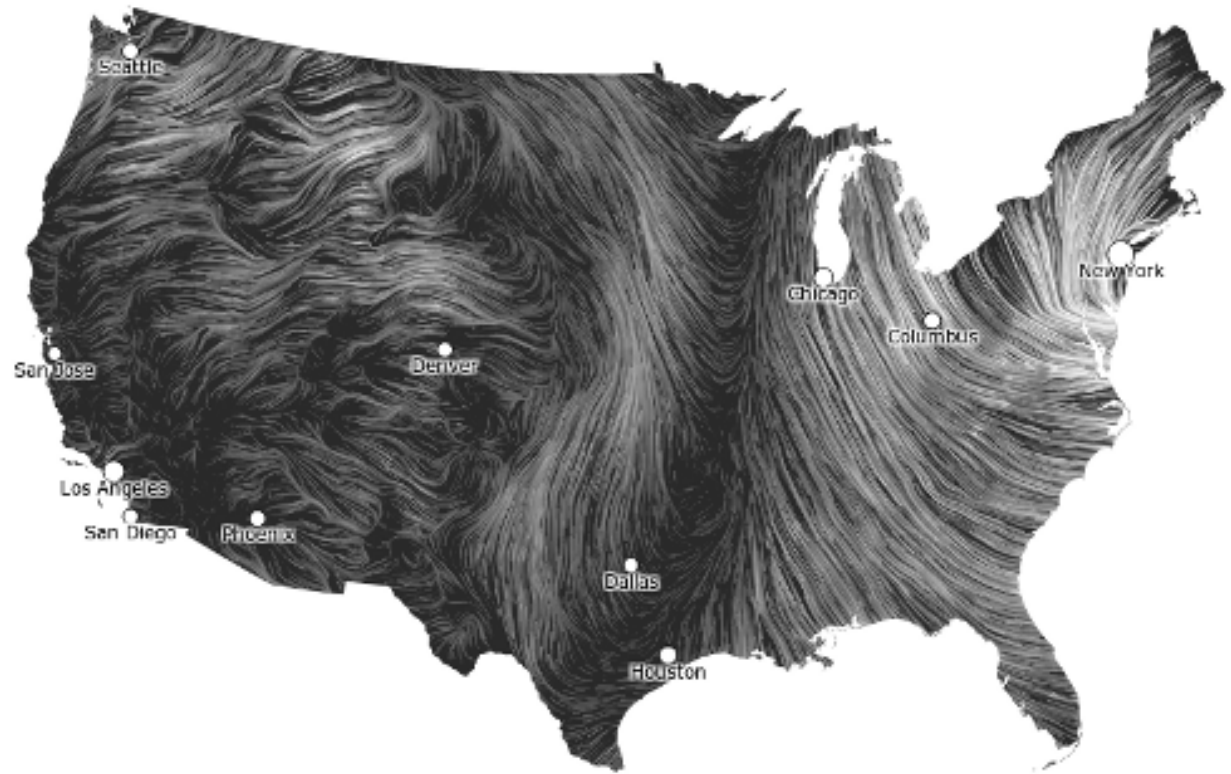
**October 29, 2012**

4:59 pm EDT

(time of forecast download)

top speed: 47.0 mph

average: 10.9 mph

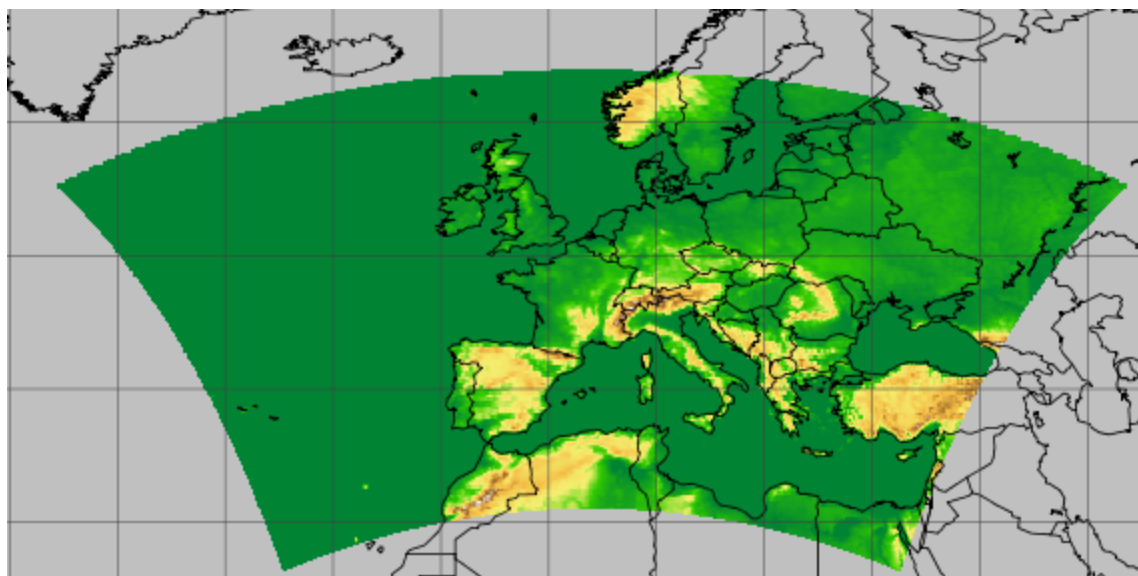


# 1. Dáta





Open Meteo Foundation





## **2. Spracovanie**

# OpenMeteoData OPeNDAP Server

## Last files

Name	Size
<a href="#">eu12-pp_2013120918_72.nc</a> <a href="#">Download</a>	448.71MB
<a href="#">eu12-raw_2013120918_72.nc</a> <a href="#">Download</a>	479.21MB
<a href="#">eu12-pp_2013120918_71.nc</a> <a href="#">Download</a>	448.71MB
<a href="#">eu12-raw_2013120918_71.nc</a> <a href="#">Download</a>	479.21MB
<a href="#">eu12-pp_2013120918_70.nc</a> <a href="#">Download</a>	448.71MB
<a href="#">eu12-raw_2013120918_70.nc</a> <a href="#">Download</a>	479.21MB
<a href="#">eu12-pp_2013120918_69.nc</a> <a href="#">Download</a>	448.71MB
<a href="#">eu12-raw_2013120918_69.nc</a> <a href="#">Download</a>	479.21MB
<a href="#">eu12-pp_2013120918_68.nc</a> <a href="#">Download</a>	448.71MB
<a href="#">eu12-raw_2013120918_68.nc</a> <a href="#">Download</a>	479.21MB
<a href="#">eu12-pp_2013120918_67.nc</a> <a href="#">Download</a>	448.71MB

```

1  #!/usr/bin/env python3.5
2
3  import netCDF4 as nc
4  import sys, argparse, inspect, json
5  import re
6  from pprint import pprint
7
8
9  # Check arguments
10
11  parser = argparse.ArgumentParser()
12  parser.add_argument('--input', required=True)
13  parser.add_argument('--list', action='store_true')
14  # parser.add_argument('--vars', help='comma-separated variables')
15  args = parser.parse_args()
16
17
18  # Load and process data
19
20  data = nc.Dataset(args.input, 'r')
21  # pprint(inspect.getmembers(data))
22
23
24  if args.list:
25      for key in data.variables:
26          pprint((key, data.variables[key].dimensions))
27      sys.exit()
28
29
30  result = {}
31  # for var in args.vars.split(','):
32  result['wind10m_u'] = list(map(lambda y: list(map(lambda x: "%.1f" % x, y)), list(data.variables['wind10m_u'])))
33  result['wind10m_v'] = list(map(lambda y: list(map(lambda x: "%.1f" % x, y)), list(data.variables['wind10m_v'])))
34  result['lat'] = list(map(lambda y: list(map(lambda x: "%.2f" % x, y)), list(data.variables['lat'])))
35  result['lon'] = list(map(lambda y: list(map(lambda x: "%.2f" % x, y)), list(data.variables['lon'])))
36  result['temp2m'] = list(map(lambda y: list(map(lambda x: "%.1f" % x, y)), list(data.variables['temp2m'])))
37  result['rain'] = list(map(lambda y: list(map(lambda x: "%.1f" % x, y)), list(data.variables['rain'])))
38  result['topo'] = list(map(lambda y: list(map(lambda x: "%.1f" % x, y)), list(data.variables['topo'])))
39  result['press'] = list(map(lambda y: list(map(lambda x: "%.1f" % x, y)), list(data.variables['press'][0])))
40
41
42

```

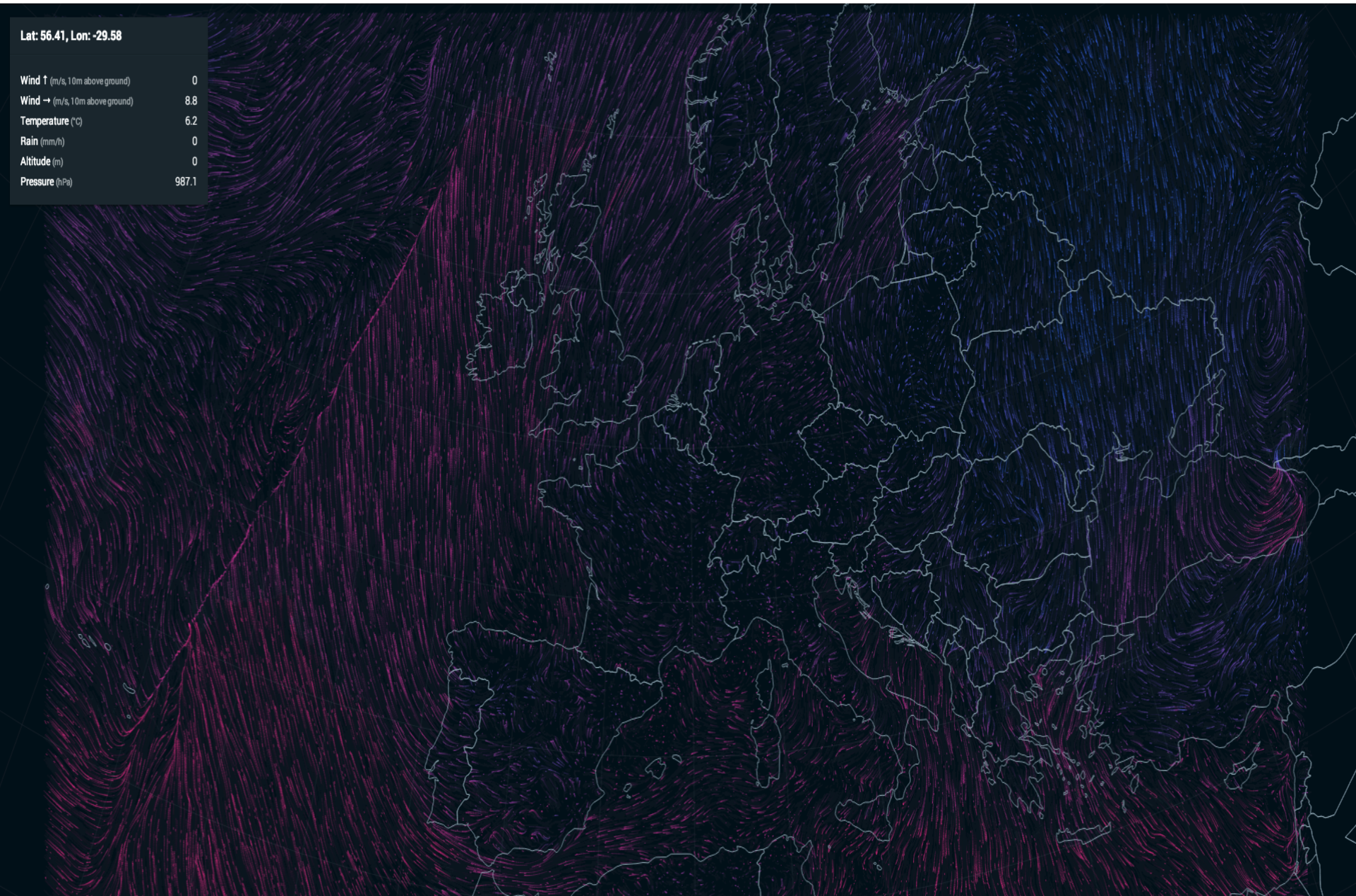


**480 MB → 7.6 MB**

# 3. Vizualizácia

Lat: 56.41, Lon: -29.58

Wind ↑ (m/s, 10m above ground)	0
Wind → (m/s, 10m above ground)	8.8
Temperature (°C)	6.2
Rain (mm/h)	0
Altitude (m)	0
Pressure (hPa)	987.1



**[sightwind.com](https://sightwind.com)**



**sightwind.com\***



Data-Driven Documents

**HTML**



