

## Run

```

In[*]:= $AlbumDirectory = "C:\\drorbn\\Album\\2026.07.30-08.02_Burlington,_VT";

In[*]:= res = 1000;
fs = FileNames[$AlbumDirectory <> "/*.gpx"] ∪ FileNames[$AlbumDirectory <> "/*.kml"];
fs = Complement[fs,
  Union[
    StringReplace[{ "@.gpx" → ".gpx", "@.kml" → ".kml" }] /@
    Select[fs, StringPart[#, -5] == "@" &]
  ]
];
data = DeleteCases [
  Union@Table["Geometry" /. Import[f, "Data"], {f, fs}],
  GeoPosition[[_, None]], ∞
];
map0 = GeoGraphics[{Red, data}, GeoScaleBar → "Kilometers", ImageSize → res];
AllTracks = Get["C:\\drorbn\\Album/Summaries/AllTracks.m"];
Rasterize[
  map = GeoGraphics[{Thickness[0.001], Blue, AllTracks, Thickness[0.0015], Red, data},
    GeoScaleBar → "Kilometers",
    ImageSize → res,
    GeoRange → (GeoRange /. Options[map0])
  ],
  RasterSize → res
]
Export[$AlbumDirectory <> "/Paths.png", map];

In[*]:= PathsLocation = Module[{R = 3000, r = 4, n = 6, res = 1200},
  ImageAssemble[
    Partition[#, 3] &@Table[
      Rasterize[
        GeoGraphics[
          {Blue, Thickness[(2 n - k) / 3000], AllTracks, Red, Thickness[(2 n - k) / 1500], data},
          GeoCenter → Mean@Cases[data, GeoPosition[L_List] :> Mean[L], ∞],
          GeoRange → Quantity[R (r / R)^(k-1) / (n-1), "Kilometers"],
          GeoScaleBar → "Kilometers",
          ImageSize → res
        ],
        RasterSize → res
      ],
      {k, n}],
    "Fit", Background → White]
]
Export[$AlbumDirectory <> "/PathsLocation.png", PathsLocation]

```

```

In[*]:= res = 1600;
imgs = FileNames["*.jpg", $AlbumDirectory];
map = GeoGraphics[{
  GeoMarker[
    GeoPosition[
      {1, -1} * Lookup[Import[#, "Exif"]["GPSInfo"], {"GPSLatitude", "GPSLongitude"}]],
    Graphics@Rasterize[Import[#], RasterSize → res],
    "Scale" → 0.006
  ] & /@ imgs,
  Thickness[0.0008], Blue, AllTracks, Thickness[0.0024], Red, data
},
GeoScaleBar → "Kilometers",
ImageSize → res,
GeoRange → (GeoRange /. Options[map0])
]
Export[$AlbumDirectory <> "/PathsWithImages.png", map]

```

## Export

```

In[*]:= {
  "TitleNotes" → "",
  "ImageComments" → {}
}

```