

# TFS - ) C Baseline Climate Monitoring Program



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# Goals of the Meteorological Station Management Team



Working to deliver the best available data to the users, in a reasonable amount of time

Working to maintain the consistency of the instrument record at the site

Working to follow best practices in the field

Working to evaluate and improve data management, particularly metadata

# Ways to Access Data

TFS website: Current Conditions graphs and tables (15 days)

Longspur: ftp access to raw data (w.y.s.i.w.y.g.)

Via email: raw .xls spreadsheet on request at end of field season

TFS website: SQL searchable database after first level QA/QC

LTER website: .xls and .csv files available after first level QA/QC

ALCC website: SQL searchable database with all regional data, after first level QA/QC

# Issues and concerns

Little sensor redundancy at this time

Some inconsistency with sensor type/location over time

Had impact on ability to see climate trends at site

Sensor failures hard to diagnose without redundancy

# Recent Progress



A

o h O -term Snow Monitoring in and  
around Toolik Field Station and Imnavait B  
Feb 2012

Planned tower upgrades in Sept 2012 will add capacity and help sustain long-term measurements

Upgrades to website and database will help improve communication with the data users

C C Toolik monograph  
provides a better understanding of climate records in the  
region

# Future Vision

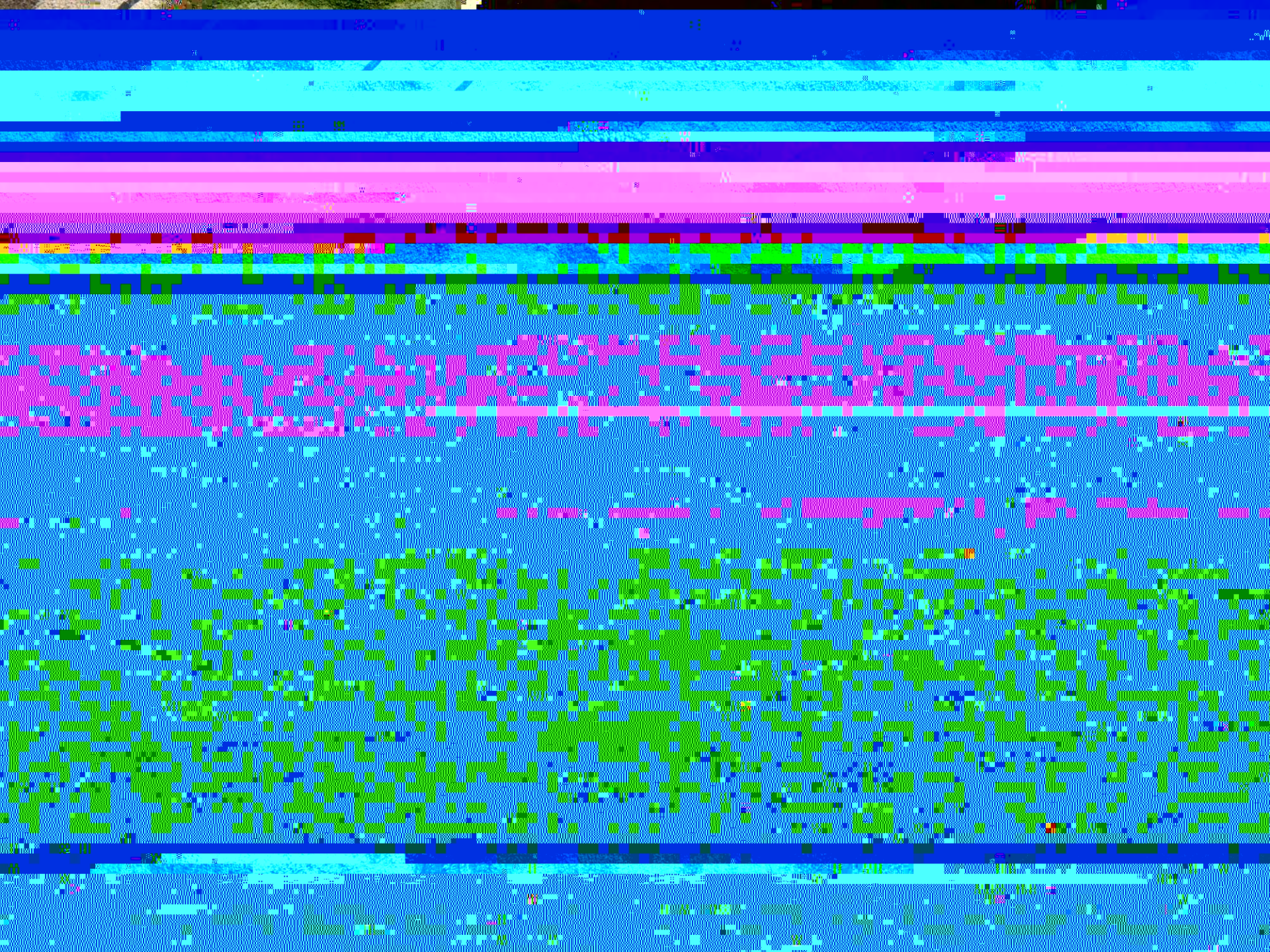


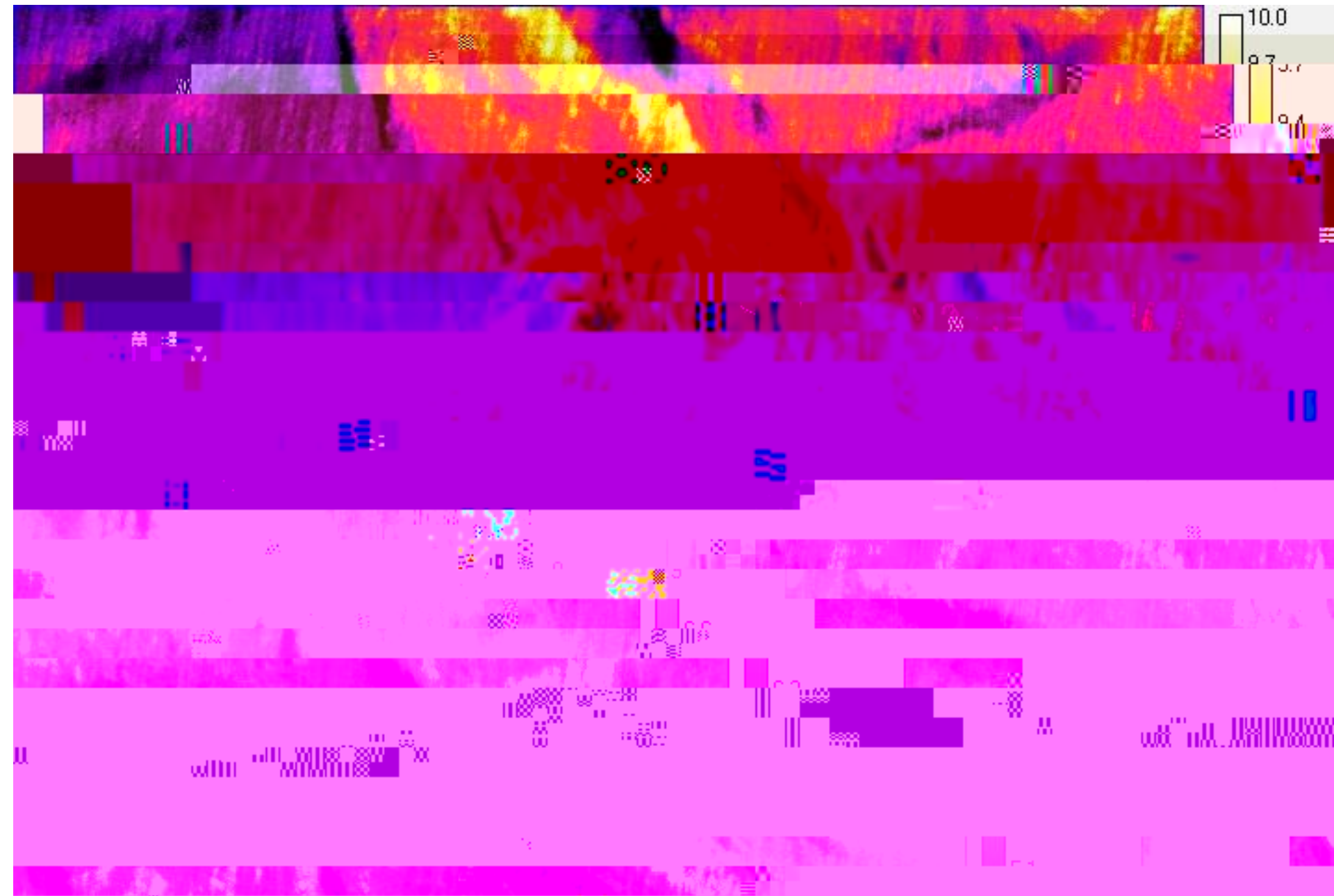
Data Integration (historical physical measurements in and around TFS)

Development of Value-Added Products such as regional gridded temperature and precip fields

Synthesis with imagery and distributed datasets

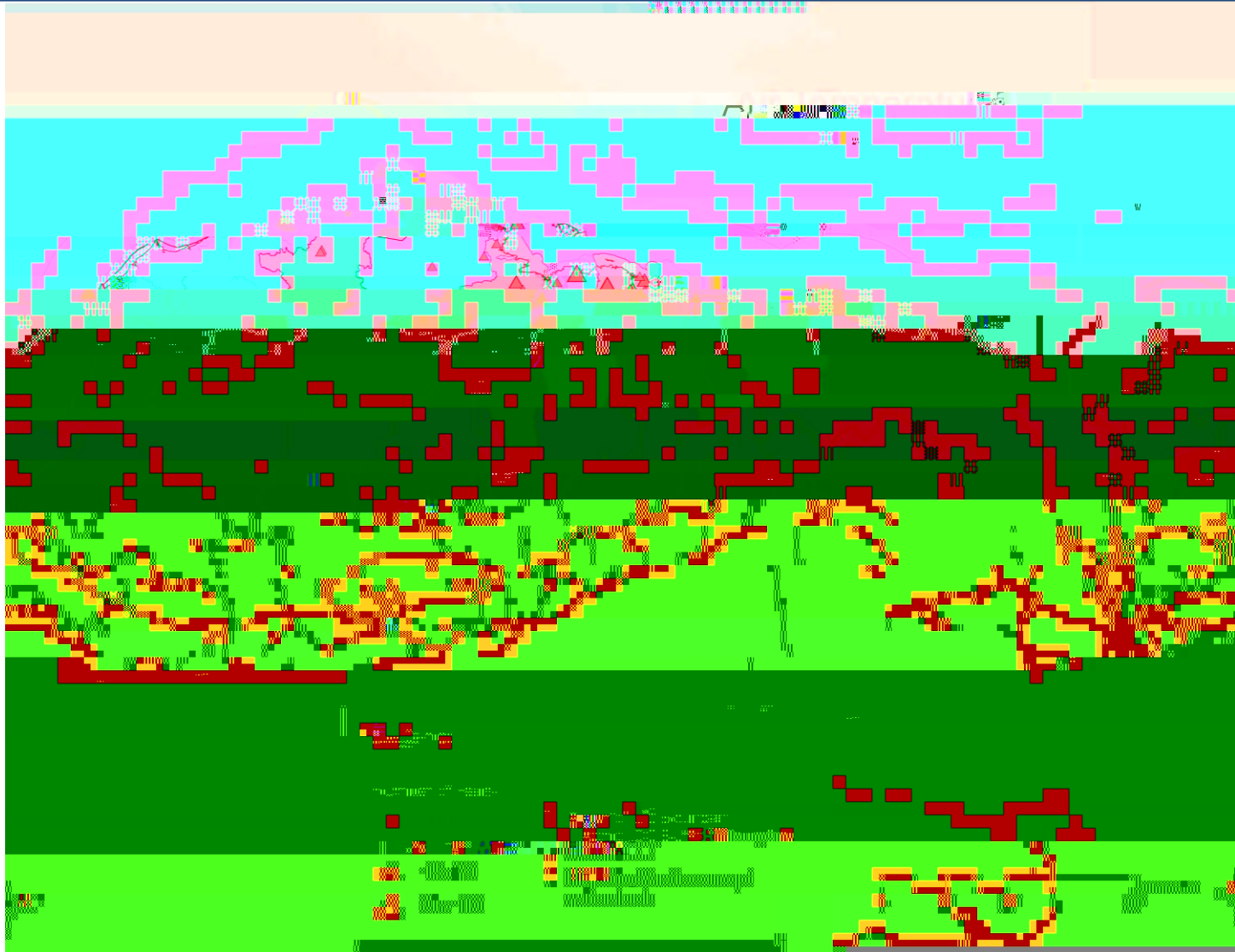
Recent collections include airborne RGB photography with resolution of 4 cm or greater and corresponding thermal infrared (IR)



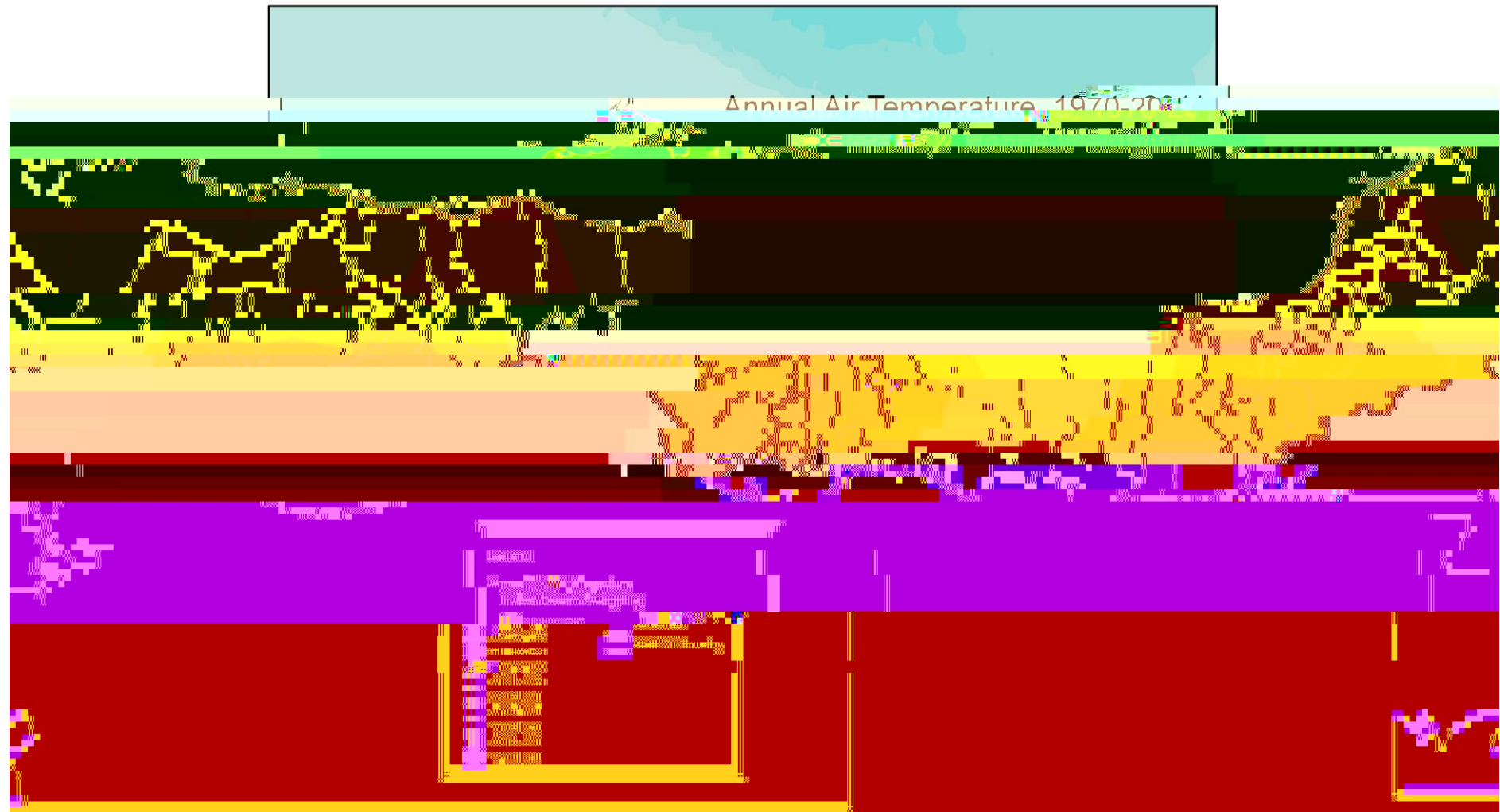




# Arctic LCC Network Analysis



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# Questions?

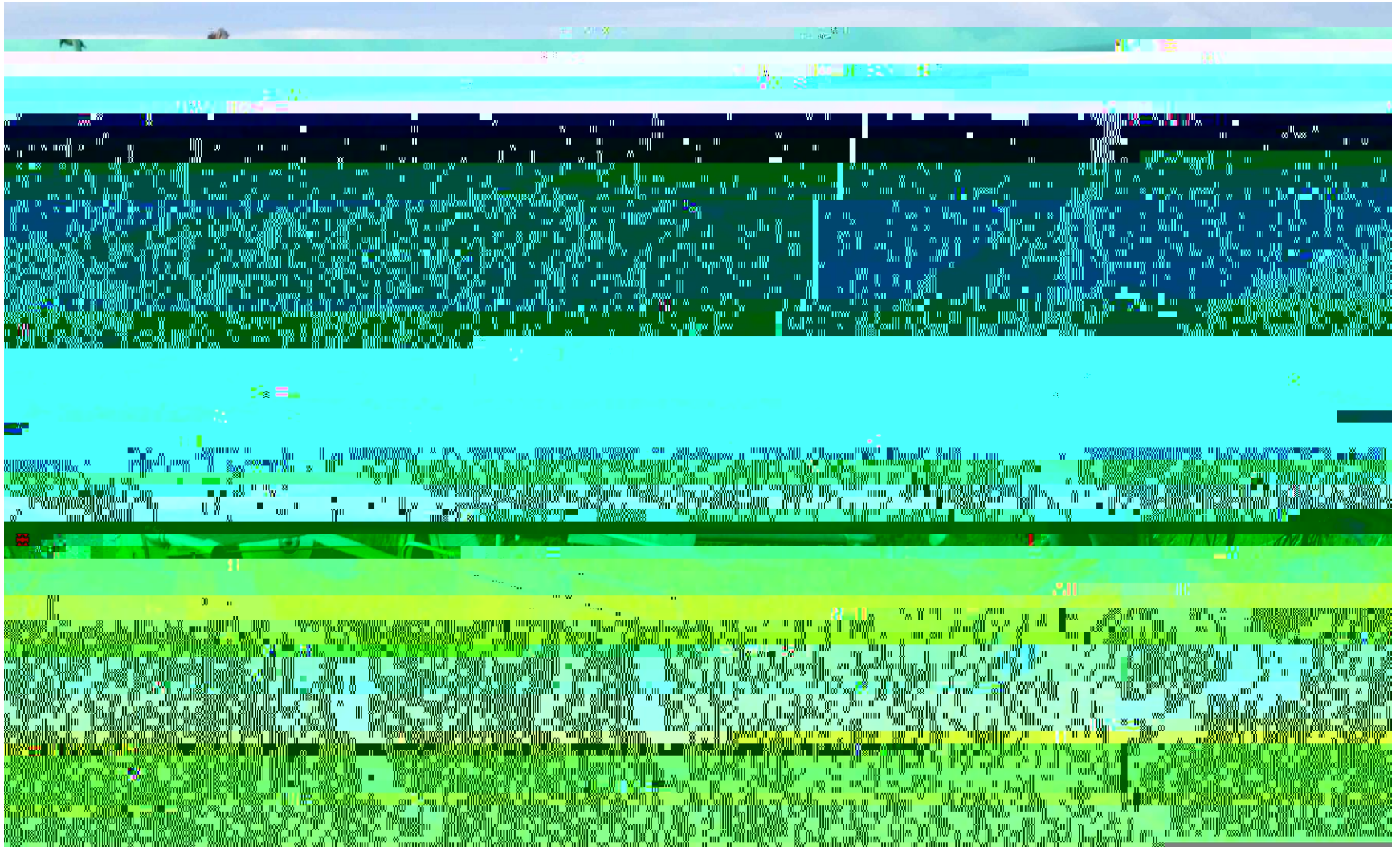


Photo: J. Cherry