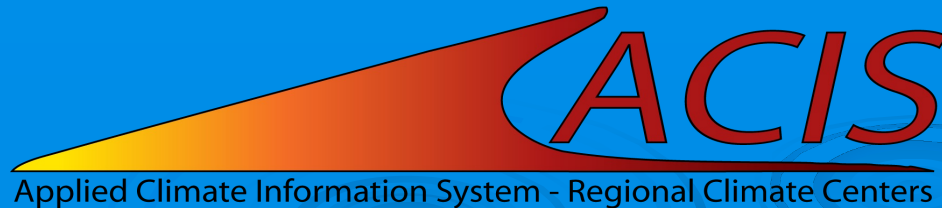


Autumn ACIS Fridays Training Session I

Keith Eggleston
Regional Climatologist
Northeast Regional Climate Center



xmACIS

SC-ACIS

ACIS Maps

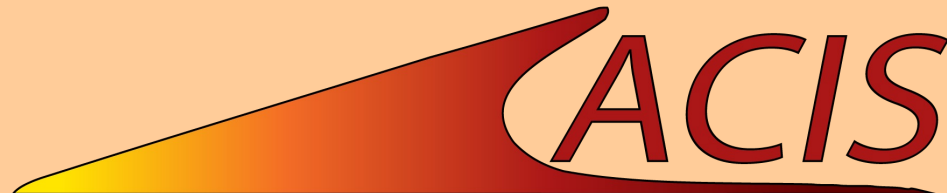
AgACIS

NOWData

Normals
Mapper

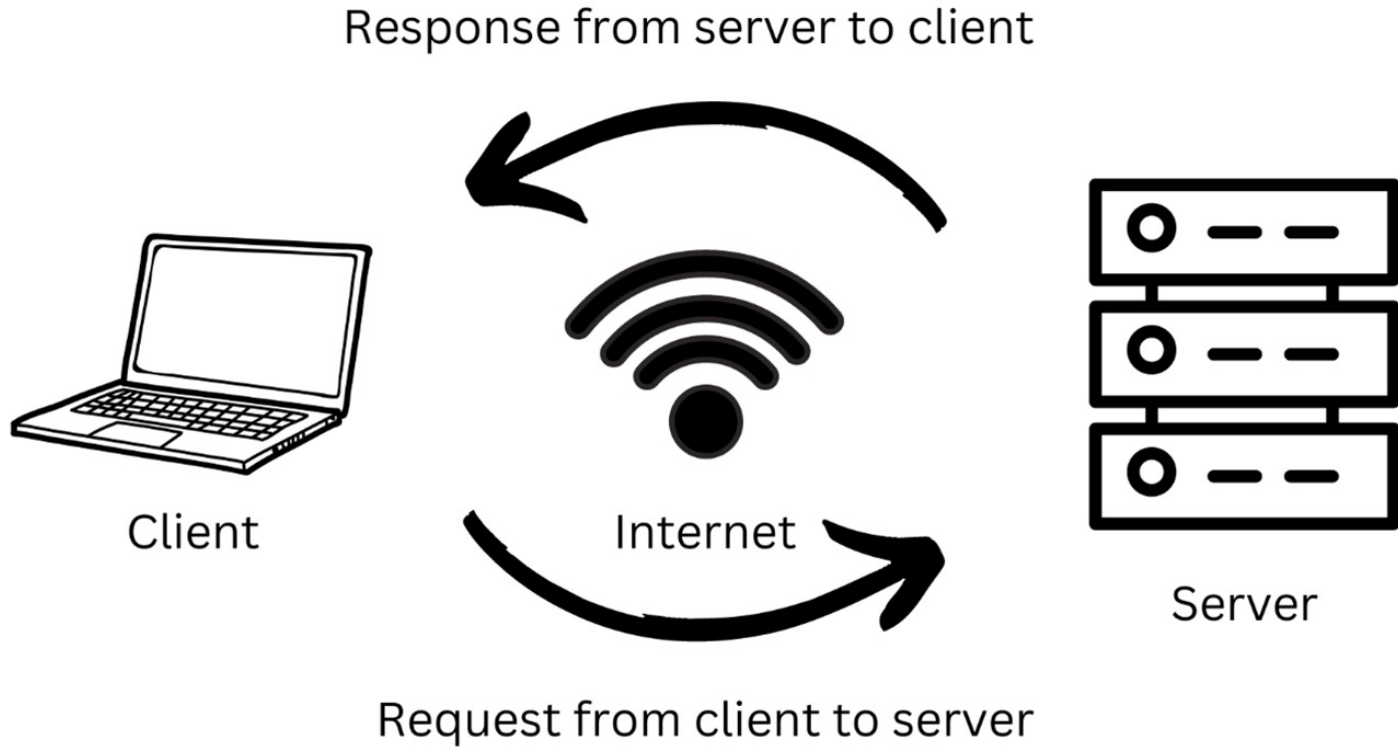
CLIMOD

ACIS Web Services



Applied Climate Information System - Regional Climate Centers

ACIS Web Services



ACIS Web Services Tools

- Documentation

- https://www.rcc-acis.org/docs_webservices.html
- All calls with examples and sample programs

- ACIS QueryBuilder

- <https://builder.rcc-acis.org>
- Teaching tool
- Will be used extensively in these training sessions

StnMeta

<https://data.rcc-acis.org/StnMeta?sids=kalb>

```
{"meta": [
  {"name": "ALBANY INTERNATIONAL AIRPORT", "ll": [-73.79913,
  42.74722], "sids": ["14735 1", "300042 2", "ALB 3", "72518 4",
  "KALB 5", "USW00014735 6", "ALB 7", "USW00014735 32"], "state":
  "NY", "elev": 280.0, "uid": 18747}]}
```

<https://data.rcc-acis.org/StnMeta?sids=kalb&output=csv>

14735,ALBANY INTERNATIONAL AIRPORT,NY,-73.799130,42.747220,280

Sample Python Script

```
import requests
params = {"sids": "kalb"}
response = requests.post("https://data.rcc-acis.org/StnMeta", data=params)
print(response.json())
```

Python representation of JSON return:

```
{'meta': [{ 'name': 'ALBANY INTERNATIONAL AIRPORT', 'll': [-73.79913, 42.74722], 'sids': ['14735 1', '300042 2', 'ALB 3', '72518 4', 'KALB 5', 'USW00014735 6', 'ALB 7', 'USW00014735 32'], 'state': 'NY', 'elev': 280.0, 'uid': 18747}]}]
```