

Sustainable WIS 2.0 Services Empowering NMHS's to do more with less



Public Benefit Corporation



Public Benefit Corporation and B Corp

Synoptic is committed to provide expanded access to environmental data to enhance public safety, improve the productivity of government agencies and commercial entities, and assist in research and educational initiatives to advance the understanding of Earth systems.

- <u>20 years</u> experience in observational data aggregation, quality control, and data management
- Contracted with NOAA as a foundational data partner
- WMO implementation partner for UK/US Global Cache and WIS2 Node for the USA (NOAA/NWS Stations)

	Daily Observations	144M+
(((()))	Observation Stations	150,000+
	Data Providers (networks)	320+
0	Data Parameters	140+

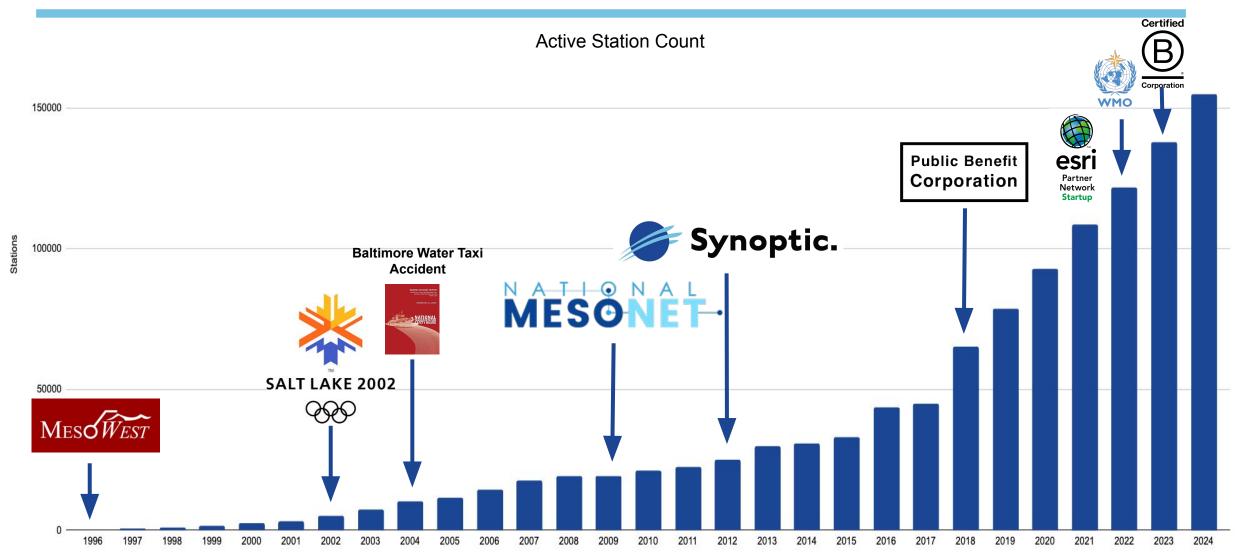
Daily API Data Requests



10M+

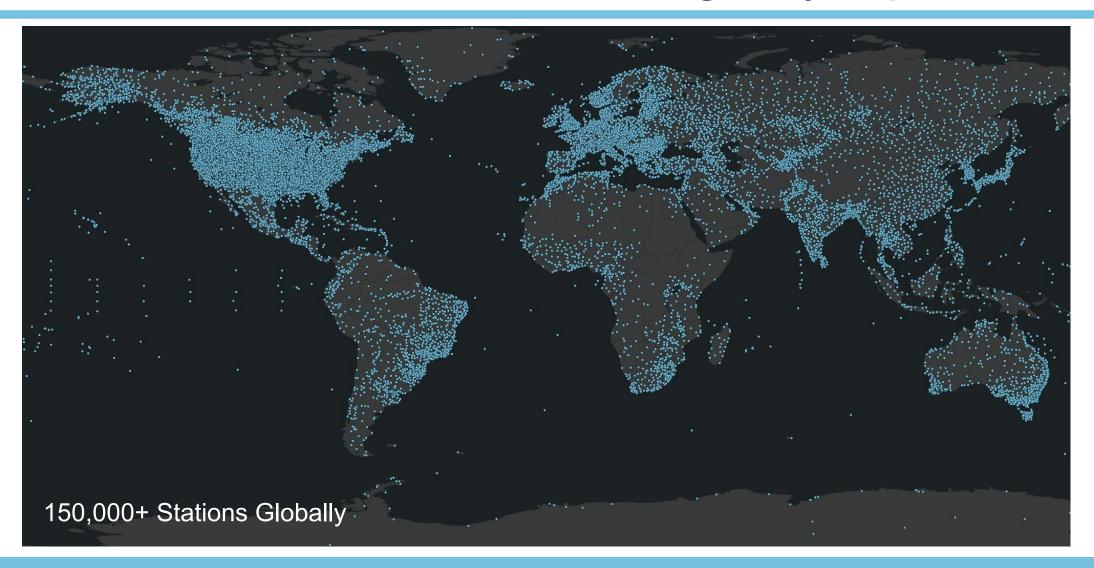


Synoptic's History





Active Stations Available through Synoptic





WIS2 Services Offering

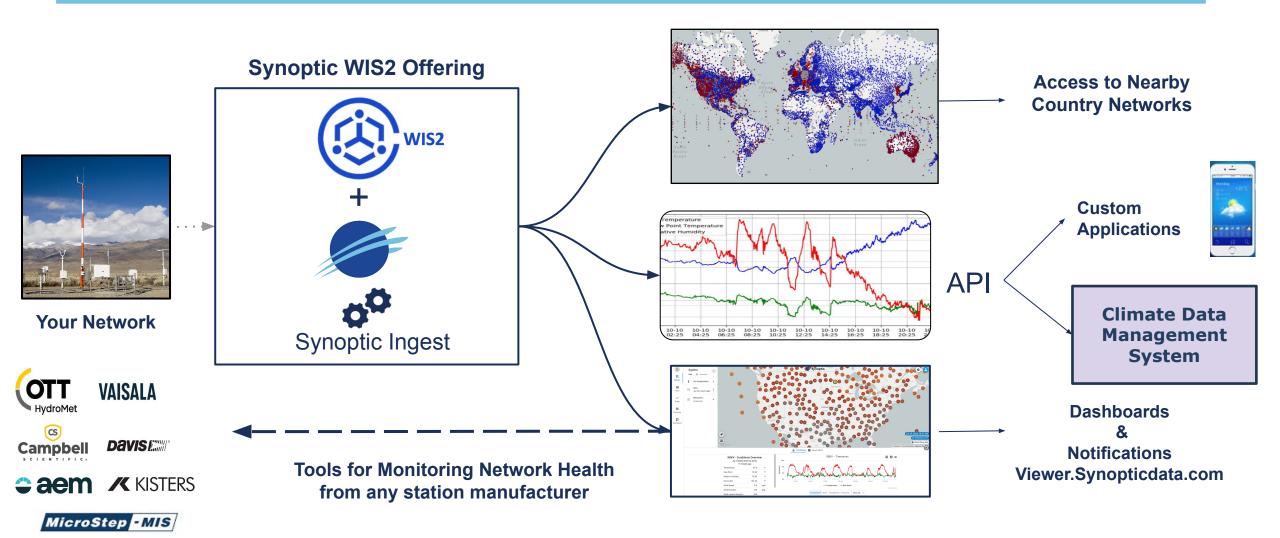
Synoptic offers a range of options for WIS2 Node

- WIS 2.0 in a Box (On-Prem or AWS Cloud Hosted)
 - Using Open Source WMO Software
 - Deploy, Train and Transfer to NMHS
 - Ongoing annual Maintenance and Operation
 - Includes Viewer/Dashboard/Notifications
 - Dedicated Customer Support with 24 hour response time
 - Build, train and Transfer to End-User
- WIS 2.0 Node as a Service (AWS Cloud)
 - Synoptic Managed Solution
 - Design, Build, Operate and Maintain with 99.99% uptime
 - Includes Viewer/Dashboard/Notifications
 - Owned and operated by Synoptic
- Consulting, Support & Maintenance Service 3rd Party supplied
 - a. Includes Viewer/Dashboard/Notifications

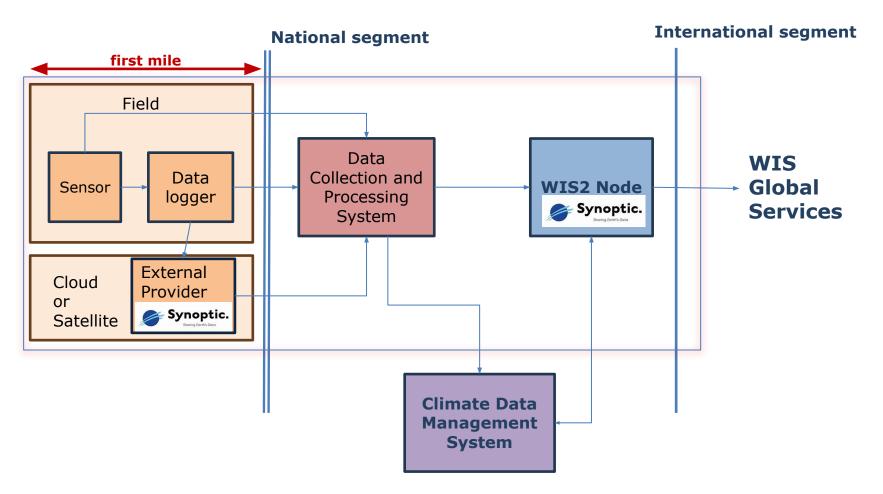




Synoptic WIS 2.0 Workflow







- External Provider Can be WIS 2.0 Node (Synoptic Data can accept data directly from any Data logger using MQTT, CSV, FTP etc)
- WIS 2.0 Node can also be setup as input from the manufacturer or end-users Data Collection and Processing System

Metadata Support



- Expert Metadata Management:
 - Synoptic can help streamline the creation, validation, and submission of high-quality metadata compliant with WMO's OSCAR metadata standards.
- Seamless Integration with WIS2:
 - We ensure metadata aligns perfectly with WIS2 requirements.
- Proven Expertise:
 - Synoptic is trusted by meteorological organizations worldwide to manage and process metadata efficiently and reliably.







Data Discovery Tool (viewer.synopticdata.com)

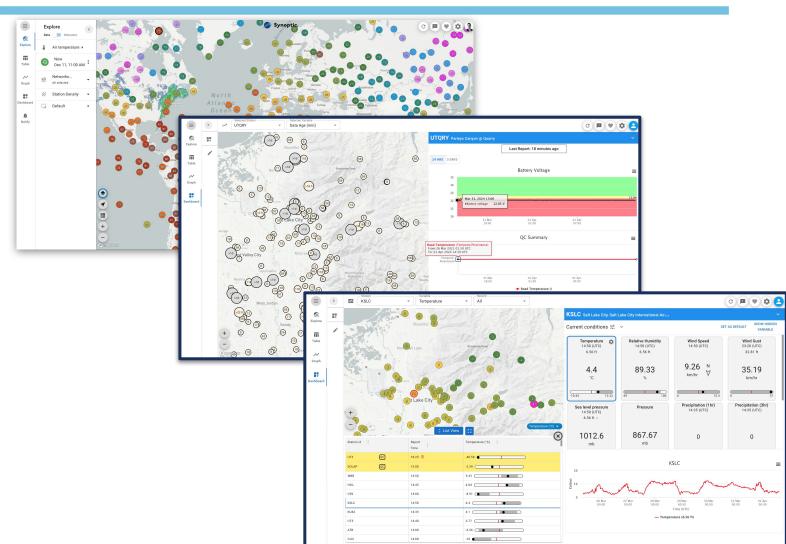
Free Features:

- Global Data Discovery Tool For All
- Access any Open Station/Network Data Display
- Detailed Metadata
- View, Graph, Explore Data from around the world
- Download open data sets

Premium Value Added Features:

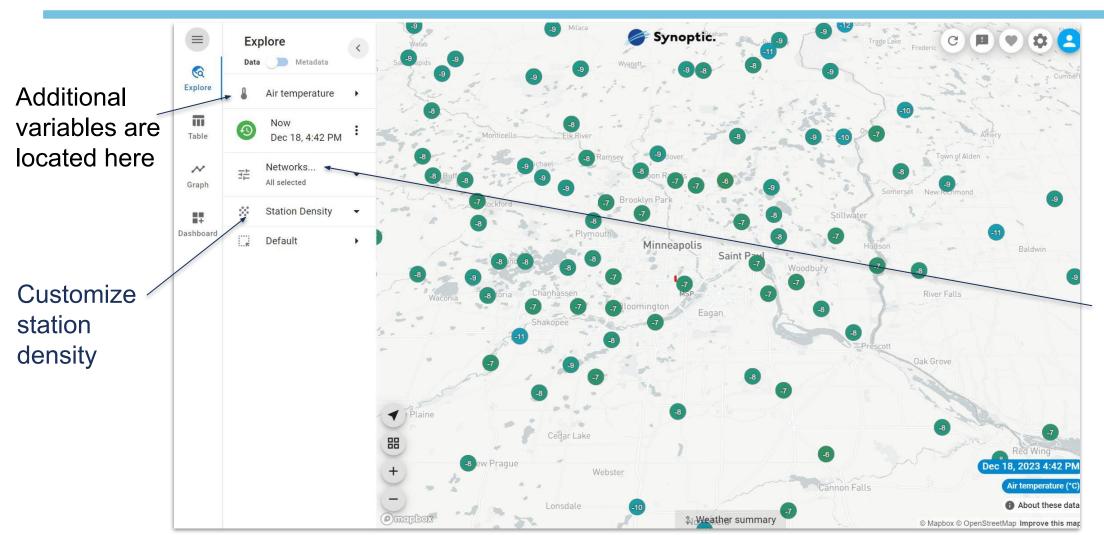
- Free for WIS 2.0 Synoptic Customers
- Real-Time Dashboards
- Real-Time Alerts using SMS and Email
- Health Monitoring of entire network







Real Time View WIS 2.0 Network



Select a network or all stations



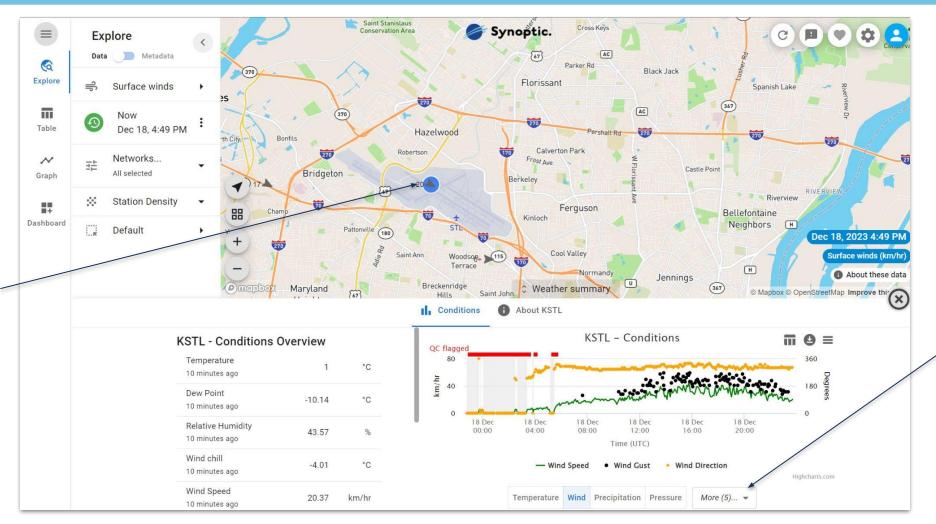
https://viewer.synopticdata.com/map/data/now/air-temperature#map=9.66/44.9356/-93.4121&networks=259



Graphing on the Explore Page

Click on

any station



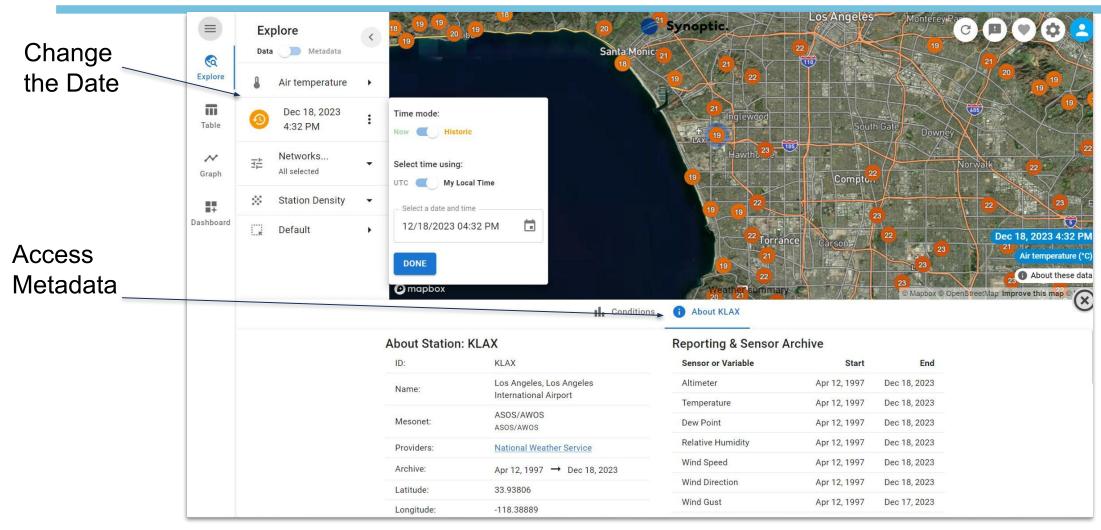
Additional Graphing Options

Certified



https://viewer.synopticdata.com/map/data/now/surface-winds/KSTL/plots/wind#stationdensity=0&map=11.33/38.7238/-90.3113

Detailed Data & Metadata for Every Station

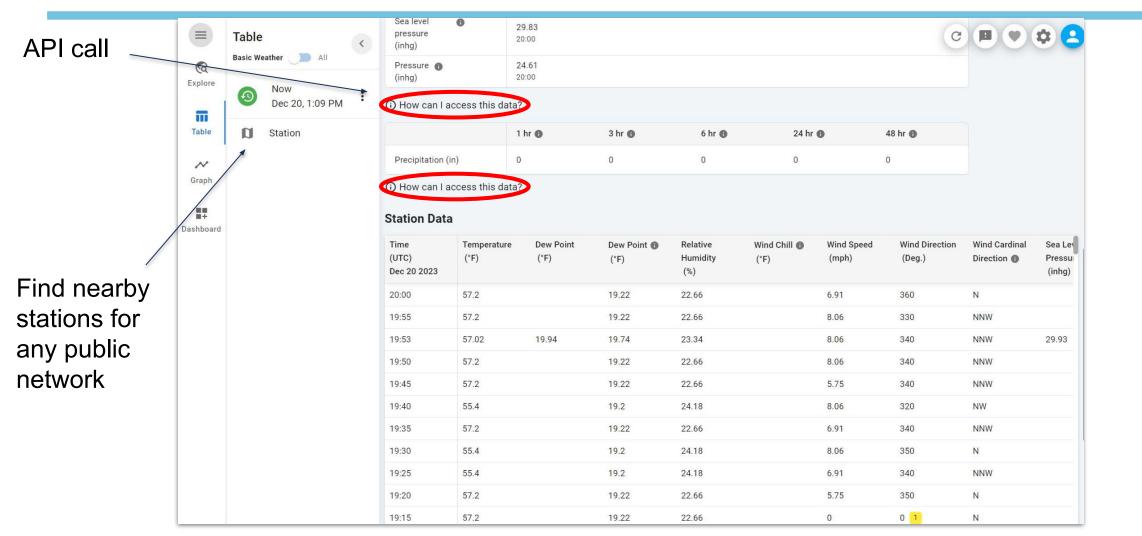




https://viewer.synopticdata.com/map/data/202312182332/air-temperature/KLAX/about#stationdensity=0&map=9.94/33.8109/-118.3578



Easily Access API call for Data

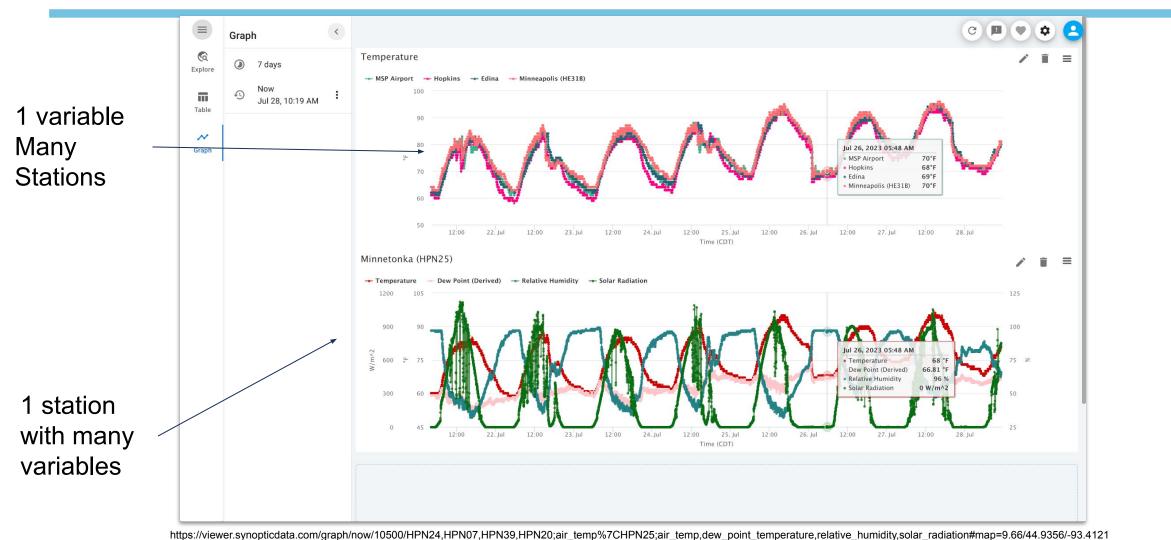




https://viewer.synopticdata.com/table/KDEN/basic-weather/now#map=10.94/39.8466/-104.6562



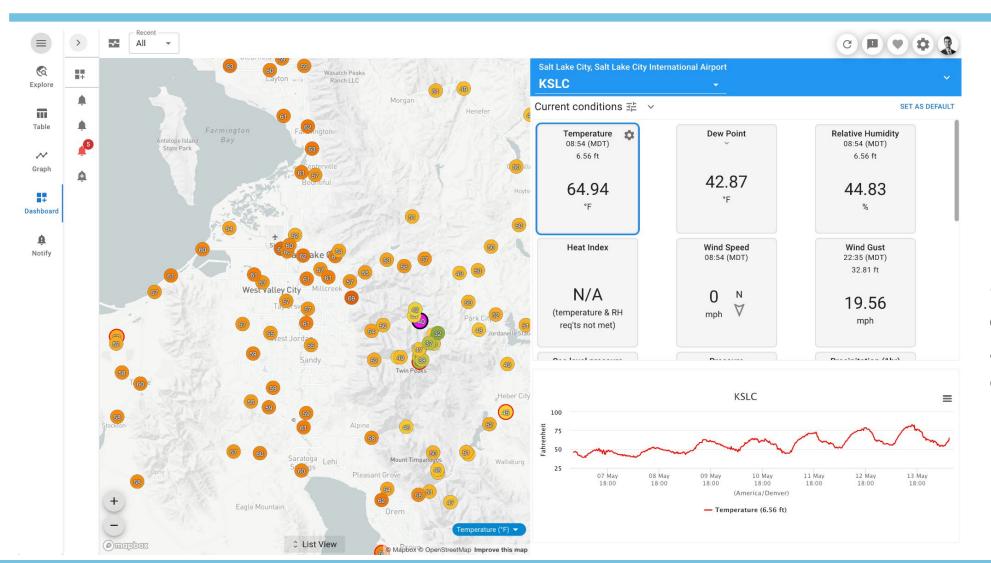
Advanced Graphing Capabilities



Certified

Synop

Dashboarding and Alerting



Customize layout of graphs, see alerts based on custom thresholds



Customer Support & Success



- Synoptic uses ZOHO Desk,
 - receive, and log customer emails for support
 - assign and track all tickets in one place
- With over 4,000 total users of our products, Synoptic still resolves
 - 76.4% of tickets within 4 hours
 - 83.1% of tickets within 8 hours
- Synoptic will provide a dedicated email
 <u>support@synopticdata.com</u> and a dedicated customer service representative will provide the first response for a support request within <u>one business</u> day.





Budgetary Pricing Option for WIS 2.0 On-Prem



Year 1	Hours	Pricing
Training on WIS2 Architecture	6	\$720
Training on Data conversion to BUFR	24	\$2,880
Training on WIS2BOX	24	\$2,880
Training on Data Upload and Automation	24	\$2,880
Training on Troubleshooting	12	\$1,440
Synoptic WIS2 Support - 16 hours per month	192	\$23,040
Metadata Management	24	\$2,880
WIS2 Node - PC with 3 Year Warranty		\$6,000
Travel Expenses for two trips**		\$10,000
Total	306	\$52,720
Dashboards and Alerts for Monitoring station feed	Includes access to Viewer.Synopticdata.com	\$12,000
Year 1 Total	306	\$64,720

Hours	Pricing
192	\$24,192
192	\$24,192
Includes access to Viewer.Synopticdata.com	\$12,600
192	\$36,792
192	\$24,250
192	\$24,250
Includes access to Viewer.Synopticdata.com	\$13,230
192	\$37,480
	\$138,992
	192 Includes access to Viewer.Synopticdata.com 192 192 192 Includes access to Viewer.Synopticdata.com 192 192 Includes access to Viewer.Synopticdata.com 192



Budgetary Pricing Option for WIS 2.0 Node as a service

Year 1	Hours	Pricing
Data Conversion (i.e. csv to bufr)	24	\$2,880
Pipeline configuration (i.e. bufr file upload to global broker)	24	\$2,880
Testing and Alerting Setup	24	\$2,880
Synoptic Data Support	15	\$1,800
Metadata Management	24	\$2,880
Virtual training	24	\$2,880
Total	135	\$16,200
Dashboards and Alerts for Monitoring station feed	Includes access to Viewer.Synopticdata.com	\$12,000
Year 1 Total		\$28,200

Year 2	Hours	Pricing
Synoptic Data Support	96	\$12,096
Total	96	\$12,096
Dashboards and Alerts for Monitoring station feed	(Optional)	\$12,600
Year 2 Total		\$24,696
Year 3		
Synoptic Data Support	96	\$12,125
Total	96	\$12,125
Dashboards and Alerts for Monitoring station feed	(Optional)	\$13,230
Year 3 Total		\$25,355
Grand Total for a 3 Year		
Period		\$78,251





Presenter Ashish Raval

ArcGIS Marketplace Provider ashish.raval@synopticdata.com

Synoptic.

Follow

@SynopticData

in Synoptic Data PBC

Contact

sales@synopticdata.com

Certified



Public Benefit Corporation