

RAINBOW WEATHER

Powered by AI

PREDICT
PREPARE
PROTECT
A BRIGHTER
TOMORROW

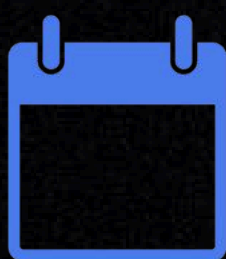
THE MOST ACCURATE REAL-TIME
PRECIPITATION DATA, FORECASTS
AND REAL-TIME FIRES DETECTION

ABOUT US

Rainbow Weather builds the most accurate real-time precipitation data and weather forecasts, along with real-time fire detection. Our nowcasting engine predicts when, where and how hard it will rain or snow, and refreshes every few minutes.



Location
Warsaw, PL



Year established:
2022

OUR TECHNOLOGY



Up to 4 hours
nowcast horizon



10 min
Model refresh



1 km
Spatial resolution



1 min
Forecast steps

HOW IT WORKS

01

We process real-time data from 700+ global radar sources

02

We apply advanced ML-based denoising filters for cleaner, more accurate data

03

We integrate satellite imagery from GOES, Meteosat and Himawari across five major geostationary satellite systems to enable global precipitation nowcasting and real-time fire detection

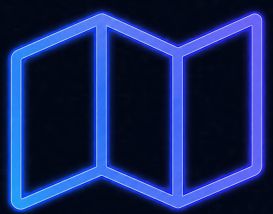
PRODUCTS



Precipitation Nowcast API

AVAILABLE NOW

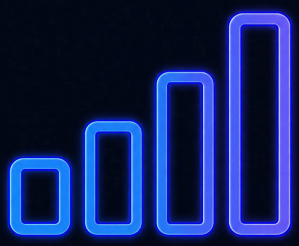
Minute-by-minute rain and snow for any location worldwide. Returns timing, type and intensity with confidence. REST / JSON



Map Tiles API

AVAILABLE NOW

Precipitation nowcasts and cloud cover as map-ready 256×256 tiles. Works with Leaflet, Mapbox GL, deck.gl. XYZ / CDN.



Weather API

AVAILABLE NOW

Hourly and daily forecasts for any location: temperature, precipitation, wind, pressure, humidity, UV, visibility, dew point. REST / JSON.



Real-Time Radar

AVAILABLE NOW

Processed radar with denoising, blending and low-latency delivery. Resilient to gaps in individual radars.



Historical Radar

Custom regional datasets for model training, research and event reconstruction.



Wildfire Detection API

EARLY ACCESS

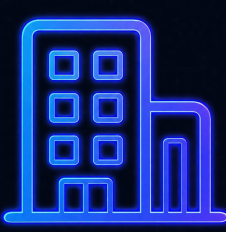
High-cadence satellite monitoring for earlier operational awareness. Geolocated candidate detections · Event tracks · Near-global monitoring



Weather Alerts

AVAILABLE / CONFIGURABLE

Configurable alerts delivered into your app and operational workflows.



Enterprise Solutions / Premium Support

APIs, webhooks, SDKs, dashboards, white-label layers and tailored data products. Enterprise SLA options, private-cloud or on-premise deployment and dedicated support.

WORLD BEST PRECIPITATION DATA

POWERED BY:

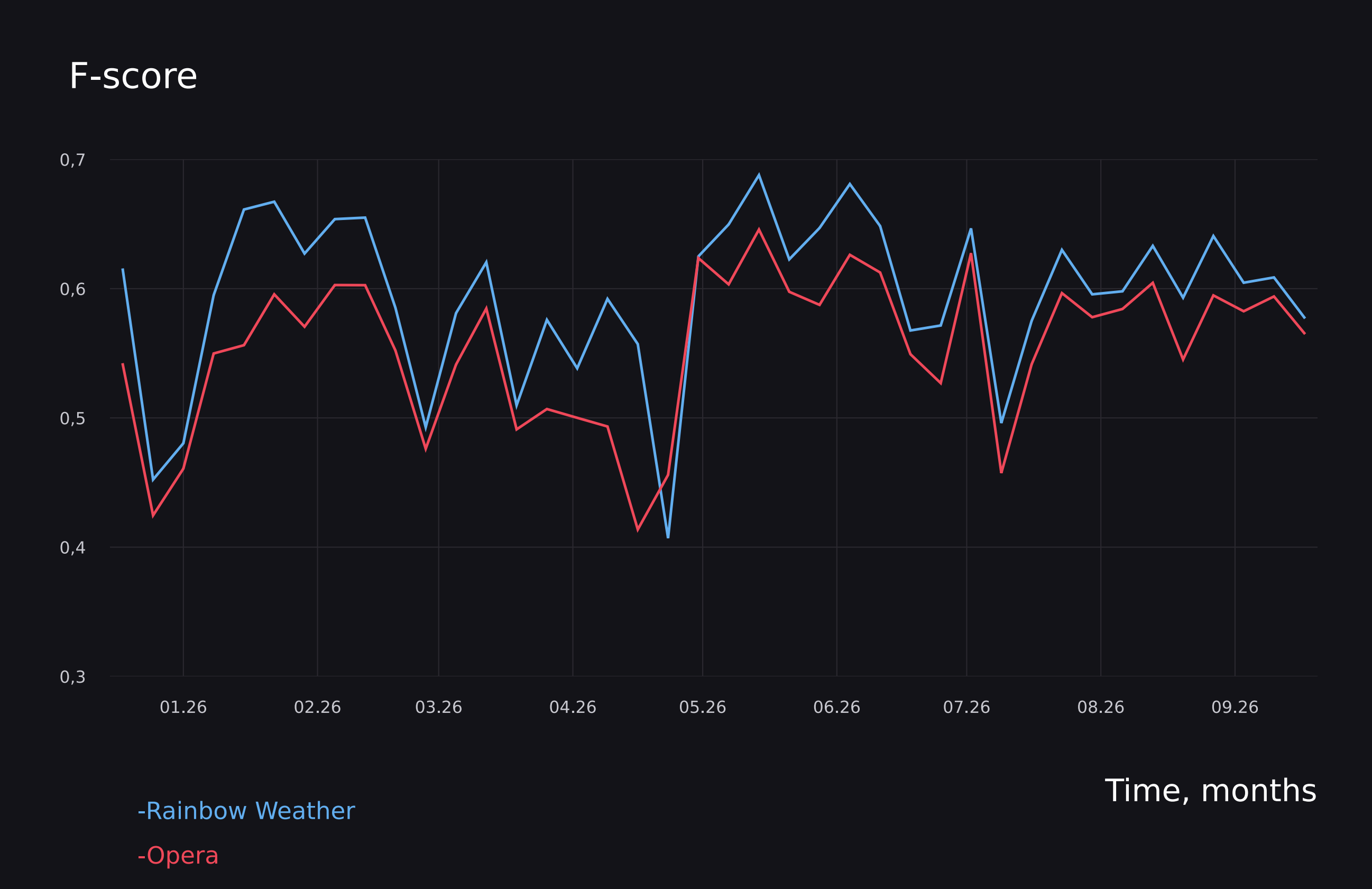


ML-based noise filtering
Removing radar noise for cleaner, more accurate data.



Short-term local nowcasting / micro-forecasting
Slightly extending recent radar data so it remains usable despite short delays.

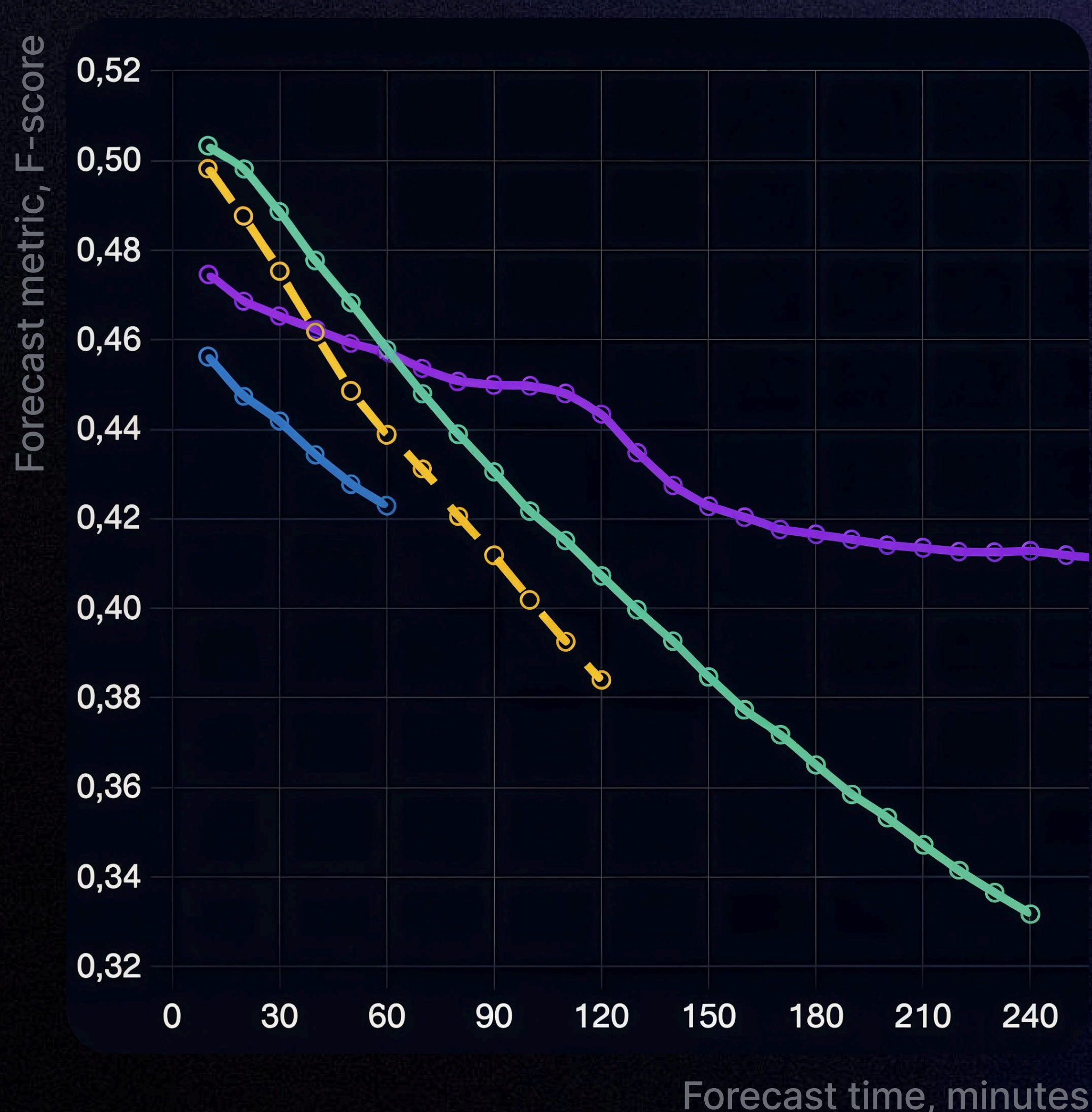
The quality of our real-time data is consistently higher than that of the official sources such as OPERA system, the foundational European network for exchanging weather radar data.)



#1 GLOBALLY

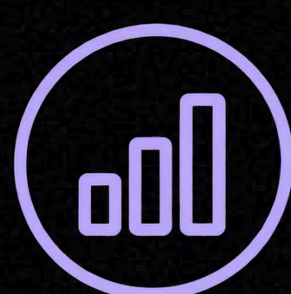
FOR SHORT-TERM PRECIPITATION FORECAST QUALITY

According to WeatherIndex.ai, an open-source platform that objectively ranks leading forecast providers, Rainbow ranks first globally for short-term precipitation accuracy.



Rainbow Weather AccuWeather
The Weather Company Vaisala XWeather

The quality of the forecasts is evaluated using key metrics:



F-score



Probability of
Detection



Critical Success
Index



Frequency
Bias

COMPARE OUR FORECASTS AGAINST REAL
OBSERVATIONS USING AN OPEN,
REPRODUCIBLE METHODOLOGY

ONE DATA, MANY OPERATIONS

FIND YOURSELF



Logistics & Supply Chain



Energy & Utilities



Ride-Hailing & Delivery



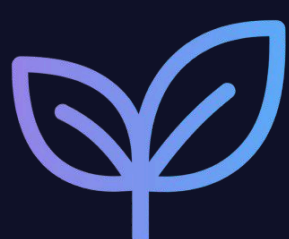
Marine & Fishing



Drones & UAM



Travel & Tourism



Agriculture & Forestry



Insurance & Financial Services



Water Management



Risk Management

CONTACTS

www.rainbow.ai

weatherindex.ai

partnership@rainbow.ai