

HELP FOR FORECAST

PURPOSE: The Forecast App is used to view the Forecast for a given station in the USA.

When to Use the Forecast

To see the Forecast for a given US airport

The Forecast screen is used to view forecast weather data for an airport. Obviously as a forecast product it is subject to the limits of the models in use. This page should be used to get a heads-up high level look at forecast conditions. This is of course no substitute for a standard weather briefing.

This forecast product is used because the data displayed is similar to the METAR data and can be displayed in a similar format.

To help visualize future trends over time

I use this product as one of many weather forecast products. Because of the format of the data I think it makes a nice companion to the Current WX page.

To get a quick read on weather compared to minimums and maximums

The forecast values are colored according to personal minimums and maximums. This brings important information to the pilots attention.

To help visualize future wind conditions on local runways

Crosswind and Headwind components are displayed for up to three runways. This data is also color coded based on user selected limits.

How to Use the Forecast

Select the Airport

Touch the Station ID (Blue Button) at the top/left of the screen and the Airport Search screen will be presented

Enter a few characters from the Station ID or the Airport name or the Airport City

See the screenshot below for an example

Select the Airport by touching the line you want

Review the Forecast

Slide the slider at the bottom to scroll forward through available Forecast data.

Refresh

Touch the refresh button to get the current Forecast

Please Note

The Forecast data used on this screen is from NOAA's National Weather Service Meteorological Development Lab web site: <http://www.weather.gov/mdl/synop/products.php>

Therefore the data is subject to limits of this site. The Forecast is only supplied for current GFS MOS

Stations. This list of stations is available here: <http://www.weather.gov/mdl/synop/stadrg.php>

This list includes **USA Stations Only**.

Forecast Data Displayed

Top Left

- **Selected Station ID, Airport name and City:** The airport identification
- **Date & Time:** Zulu time for the Forecast and time for the local time zone
- **Forecast values:** These values are taken directly from the Forecast or calculated based on the Forecast data
- **Colorized Personal Minimums:** Visibility, Ceiling, Temp and Wind Speed will be colorized based on personal minimums defined on the **Options** page

Top Right

- Aviation Flight Category:

LIFR Ceiling	< 500 Feet	Visibility	< 1 mile
IFR Ceiling	500 - 1,000 Feet	Visibility	1 - 3 miles
MVFR Ceiling	1,000 - 3,000 Feet	Visibility	3 - 5 miles
VFR Ceiling	> 3,000 Feet	Visibility	> 5 miles

- **Graphic Wind direction and speed**
- **Sky Condition:** From the Forecast

Bottom Left

- **Graphical presentation of forecast data:** The six boxes show Forecast data for the Station. These graphics clearly show expected trends for weather data.

Bottom Right

- **Runway relative wind:** Up to three runways will be shown with the wind arrow showing the selected Forecast wind data. Headwind and Crosswind components are calculated. The suggested runway (with headwind) is shown in red and the tailwind runway is shown in blue.
- **Unit of Measurement Buttons:** The units of measurement used for the Forecast data can be changed with these four buttons.
- **Alternate Forecast:** The Alternate Forecast station can be used at airports that don't have a Forecast station to display the forecast for a nearby station. Touch the yellow ID button to select an Alternate and touch the Use/Don't Use Button to select the METAR to use.

Forecast Screenshot 1

Back

FORECAST



Dallas/Fort Worth Intl
Dallas-Fort Worth, TX, US



Fri Mar-29 08:00 EDT Fri Mar-29 12:00Z

MVFR

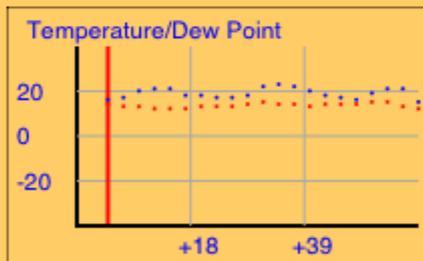
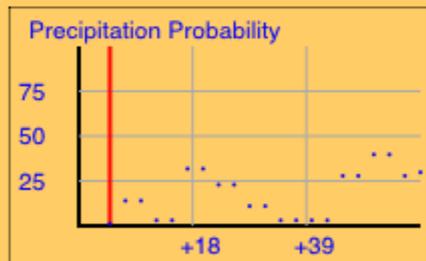
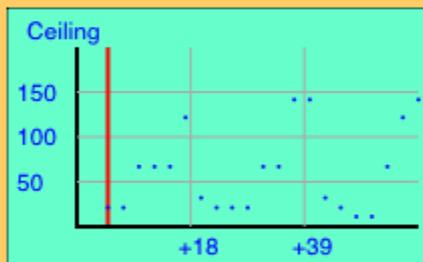
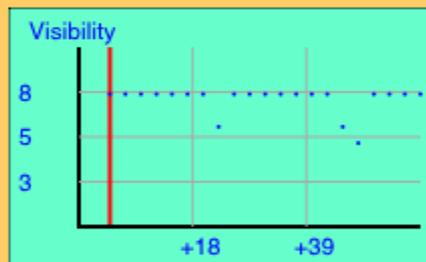
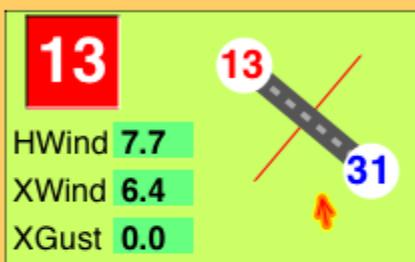


- KJYO Leesburg Executiv...
- KIAD Washington Dulles...
- KOKV Winchester Rgnl...
- KMRB Eastern Wv Rgnl/...
- FINN Shannon Shannon

Temp. C/F 17/ 62 Visibility 8 SM
Dew Pt. C/F 14/ 58 Ceiling 19 00 Feet
Elevation 607 Feet Wind 170
Speed 10 Knots
PProb 0 % R.Hum 87 %

Overcast

No Obstructions to Vision



Altitude Feet Meters Altimeter Hg SLP Visibility SM Meters Wind Knots MPS

Alternate Forecast Use Don't Use



CFI Tools



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iAd

Forecast with Alternate

Carrier

10:24 AM

100%

Back

FORECAST



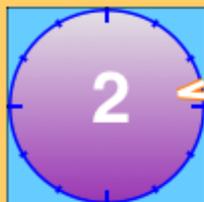
Creekside
Arvin, CA, US

Alternate Forecast [KBFL Meadows Field]



Fri Mar-29 08:00 EDT Fri Mar-29 12:00Z

VFR



KJYO Leesburg Executiv...

KIAD Washington Dulles...

KOKV Winchester Rgnl...

KMRB Eastern Wv Rgnl/...

FINN Shannon Shannon

Temp. C/F 14/ 57

Visibility 8 SM

Dew Pt. C/F 9/ 49

Ceiling 140 00 Feet

Elevation 510 Feet

Wind 80

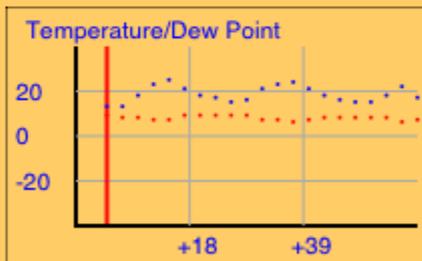
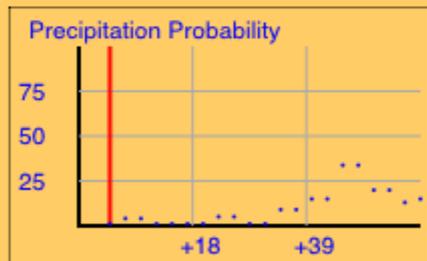
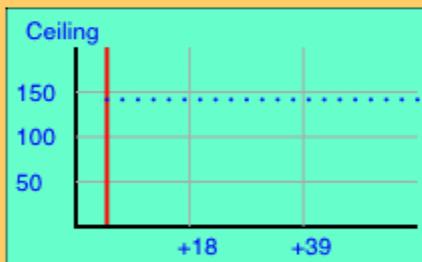
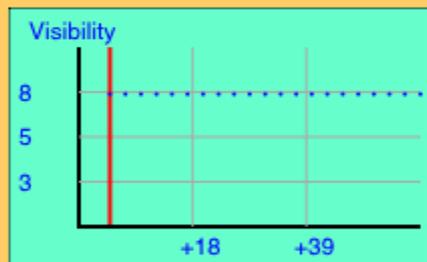
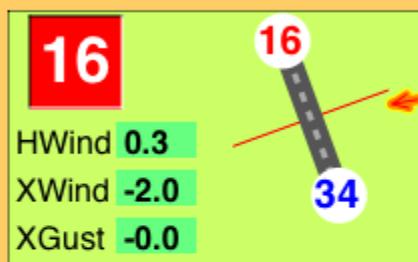
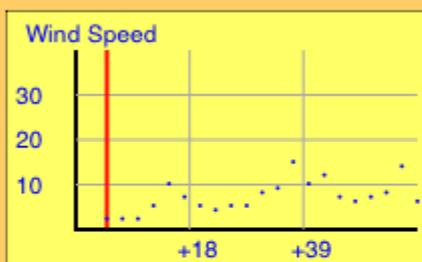
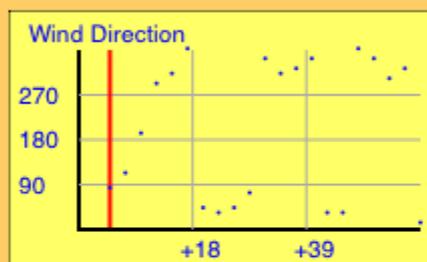
Speed 2 Knots

PProb 0 %

R.Hum 75 %

Clear

No Obstructions to Vision



Altitude

Feet

Meters

Altimeter

Hg

SLP

Visibility

SM

Meters

Wind

Knots

MPS

Alternate Forecast

Use

Don't Use



Meadows Field, Bakersfield, CA, US

>>> In Use <<<

CFI Tools



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Airport Search Screenshot

