

# Help for CFI Tools Forecast

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

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**HOW TO USE** the Forecast App:

## **Select the Airport**

- Touch the Station Id 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 touch

## **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**.

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## Forecast Data Presented

### Top Left

- **Selected Station ID, Airport name and City:** The airport identification
- **Date & Time:** Zulu time for the Forecast and time for the iPad 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 Tab**

### Top Right

- **Aviation Flight Category:**

LIFR	Ceiling < 500 Feet	Visibility < 1 mile
IFR	Ceiling 500 - 1,000 Feet	Visibility 1 - 3 miles
MVFR	Ceiling 1000 - 3000 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.

# Forecast Screenshot 1

iPad
11:25 AM
100%

Preflight

Current WX

METARs

Forecast

Weight & Balance

Takeoff & Landing

Area Wx

Airport Update

Hold Viewer

VOR Viewer

Crosswind Calculator

Weather

AOPA

DUATS

Options

Help

KSJC

Norman Y. Mineta San Jose Intl

VFR

San Jose, CA, US

Wed Feb-02 07:00 EST Wed Feb-02 12:00Z

Refresh



12

Elevation	62	Temp. C/F	9/ 48	Wind	330
Visibility	8	Dew Pt. C/F	-9/ 16	Speed	12
Ceiling	140	R.Hum	27	PProb	0

Clear

No Obstructions to Vision

Wind Direction



Wind Speed



30



HWind 10.4  
XWind 6.0  
XGust 0.0

Visibility



Ceiling



29



HWind 9.2  
XWind 7.7  
XGust 0.0

Precipitation Probability



Temperature/Dew Point



CFI Tools

# Forecast Screenshot 2

iPad 11:26 AM 100%

Preflight Wx+ **Forecast**

**KBOS** General Edward Lawrence Logan Intl **LIFR**

Boston, MA, US

Wed Feb-02 10:00 EST Wed Feb-02 15:00Z

**Refresh**

Elevation **20** Temp. C/F **-1/ 30** Wind **60**  
Visibility **0** Dew Pt. C/F **-2/ 28** Speed **10**  
Ceiling **4** R.Hum **92** PProb **100**

**10**

**Overcast**

Fog or ground fog (visibility < 5/8 mile)

Parameter	Value
Wind Direction	33
Wind Speed	15
HWind	0.0
XWind	-10.0
XGust	-0.0
Visibility	4
Ceiling	22
HWind	9.4
XWind	3.4
XGust	0.0
Precipitation Probability	14
Temperature/Dew Point	32
HWind	1.7
XWind	-9.8
XGust	-0.0

CFI Tools

# Airport Search Screenshot

