

Table of Contents

- Conditions** 1
- Current Weather** 1
- Weather Themes** 1
- ILS Visibility** 2
- Real-Time Weather** 3
 - Continous Real-Time Weather 3
- Custom Weather** 4
 - Load and Send Weather 5
 - Add as Weather Preset 5
 - Wind Layers 5
 - Cloud Layers 6
 - Visibility Layers 8
 - Temperature Layers 8
 - Atmospheric Pressure 9
- Weather Presets** 9
- Season and Time** 10
 - Set Custom Date and Time 10
- Simulation Rate** 10
- General Info** 11

Conditions

Define and save detailed custom weather conditions, enable real-time weather, set ILS visibility for all categories and set season, time and simulation rate.

Current Weather

Current Weather

Current METAR: **EDDM&A453 300706Z 26010KT&D304NG 80000&B-1500&D2048 RA 4CU003&CU000FLLR000N 5CU007&CU000FMMN000N 6CU036&CU000FLMN000N 04/02&A0453 Q1033**

Translated to Text:

Show as Table
 Show Only
 Official METAR

Location	Weather station Munich, Munich, Germany (EDDM) in a height of 453 m
Report Date and Time	Wednesday, December 30, 2015 at 7:06:00 AM UTC
Surface Wind	With 10 kt from 260° true. The depth/height of the surface wind is 304 m.
Visibility	80.0 km in all directions
Weather	Moderate rain
Clouds Layer 1	Cumulus cloud coverage of 4 oktas at 300 ft. above aerodrome level. The tops of the clouds are flat. There are light turbulances in these clouds. There is light rain in these clouds. The icing rate is light.
Clouds Layer 2	Cumulus cloud coverage of 5 oktas at 700 ft. above aerodrome level. The tops of the clouds are flat. There are moderate turbulances in these clouds. The icing rate is moderate.
Clouds Layer 3	Cumulus cloud coverage of 6 oktas at 3,600 ft. above aerodrome level. The tops of the clouds are flat. There are light turbulances in these clouds. The icing rate is light.
Temperature	4°C with a dew point of 2°C up to an altitude of 453 m
QNH	1,033 hPa (mean sea level pressure)


Load in Custom Weather

Name:

Save as Weather Preset

In this section the current weather is displayed as METAR code and translated text.

You can choose if the translated text it displayed as continuous text or structured table. Additionally you can decide if all or only official weather METAR data is displayed.

 **Note:** The flight simulator uses the official METAR format, but extends is with additional extensions. FS-FlightControl can decode both, the official METAR data as well as the flight simulator extensions.

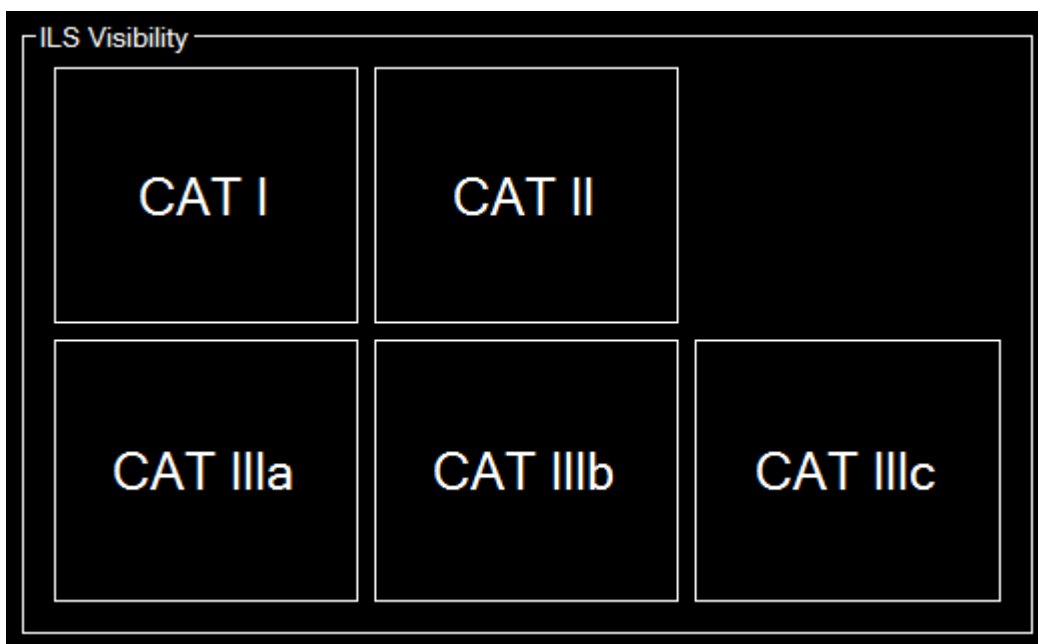
You can load the current weather into the [custom weather](#) section or save it as [weather presets](#).

Weather Themes



Here all themes that are available in the flight simulator are listed and can be activated with just one click.

ILS Visibility



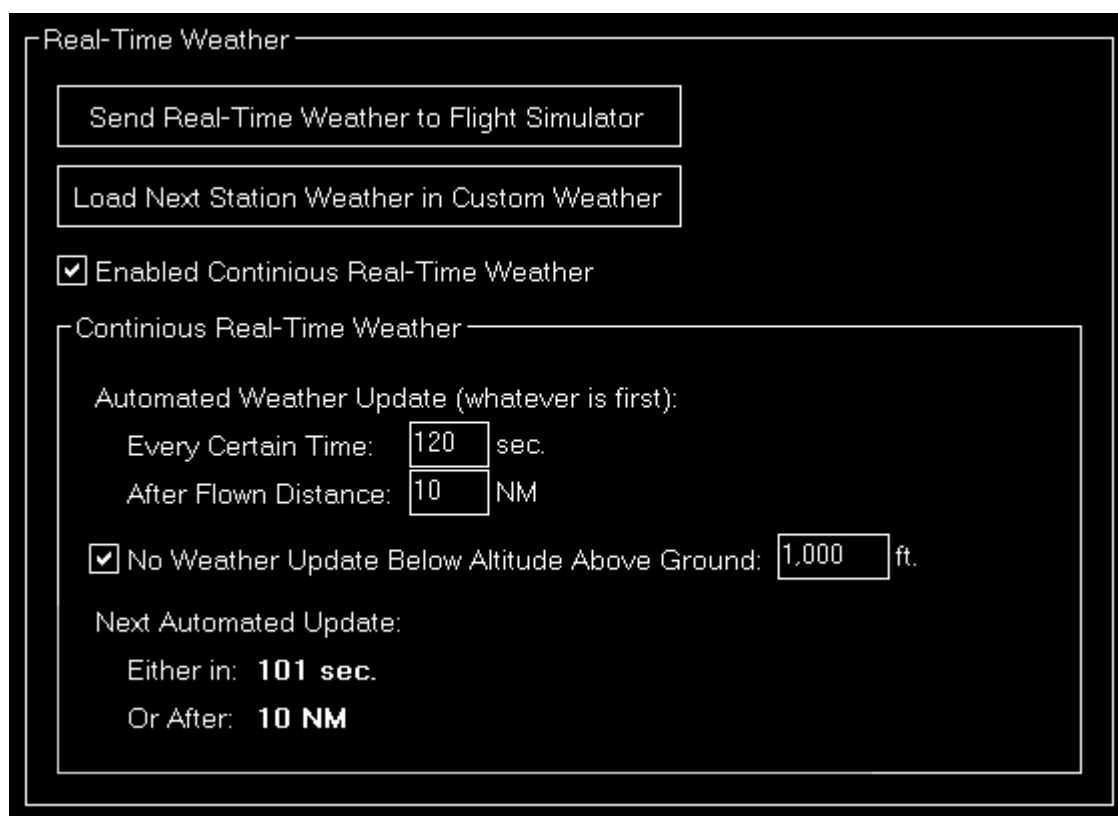
Use this section to set a pre-defined visibility condition for any of the ILS categories.

Following values are the default for decision height and runway visibility:

	Decision Height	Runway Visibility
CAT I	200 ft (60.96 m)	1,800 ft (550 m)
CAT II	100 ft (30.48 m)	1,000 ft (300 m)
CAT IIIa	50 ft (15.24 m)	600 ft (180 m)
CAT IIIb	30 ft (9.14 m)	150 ft (46 m)
CAT IIIc	0 ft (0.00 m)	30 ft (5 m)

 Note: You can customize these values in the [Settings](#) module to your needs.

Real-Time Weather

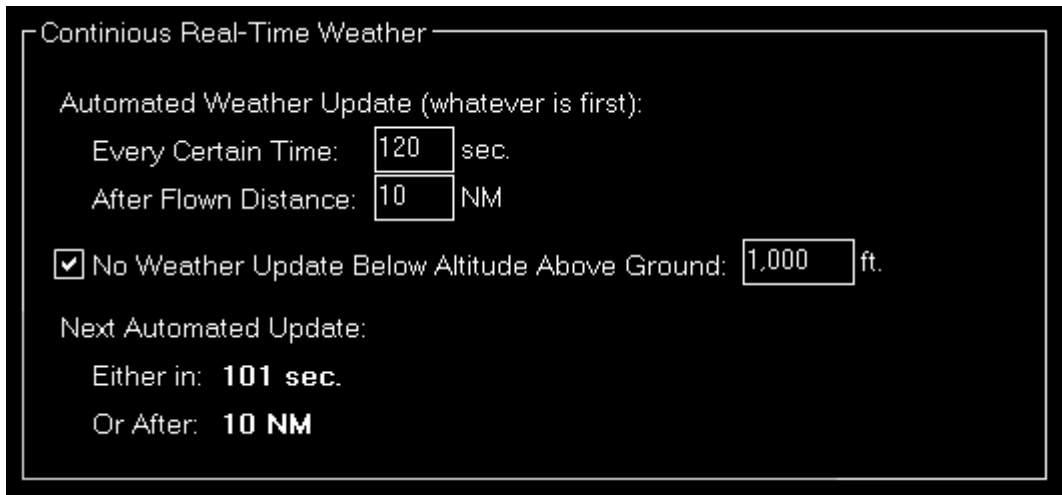


You have the option to enable real-time weather in this section.

Therefore you can either send the current real-time weather directly to flight simulator or load it into the [custom weather](#) section.

 Note: You can change the used real-time weather source in the [Settings](#) module.

Continous Real-Time Weather



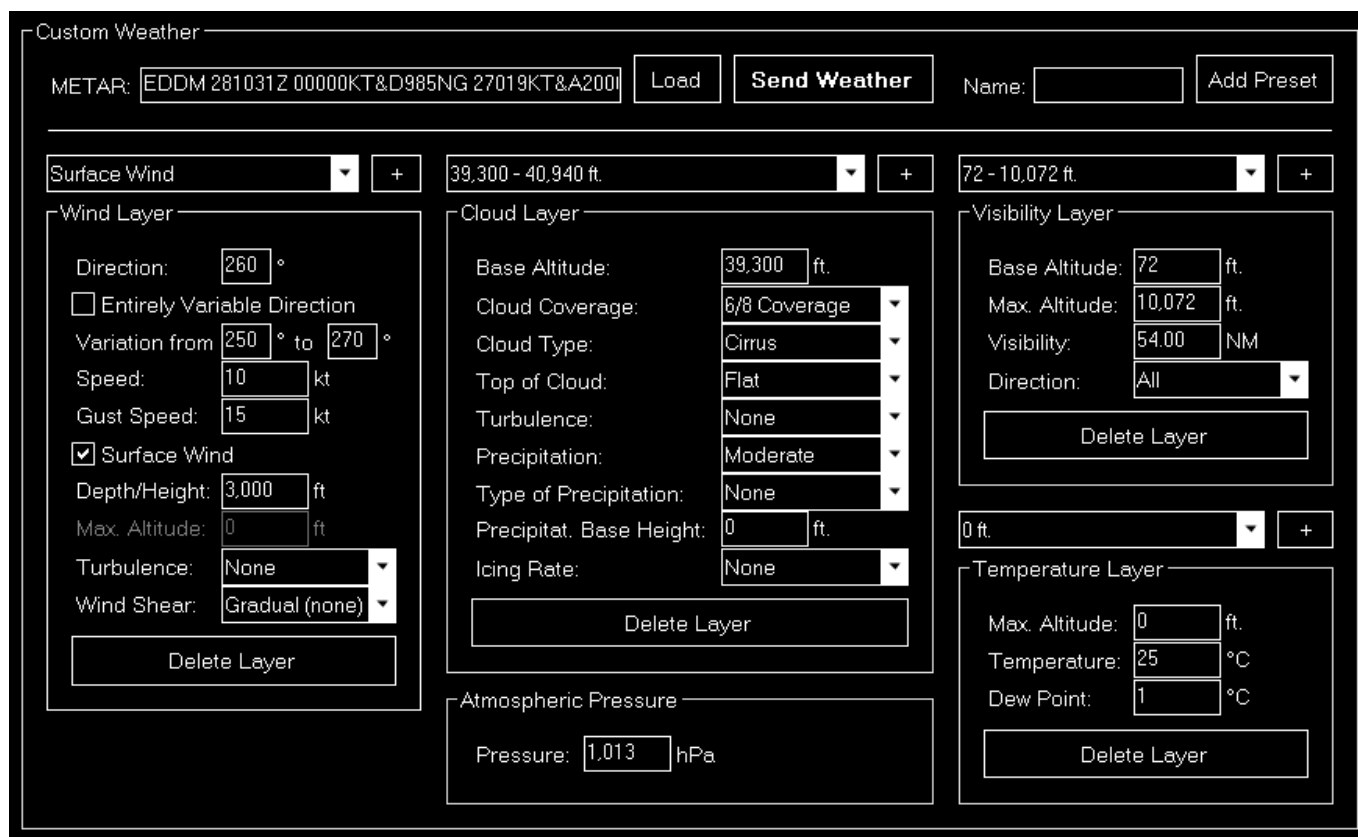
To enable continues real-time weather just activate the corresponding check box. This will enable automated real-time weather updates for all weather stations around the current aircraft location.

You can choose how often this weather update should be performed by entering a certain time interval or a flown distance (or both).

Additionally you can define that automated weather updates should not be performed when the aircraft is below a certain altitude above ground. This makes sure that the pilot is not disturbed while doing a final approach.

Below that some information is displayed to show when the next automated weather update will be performed.

Custom Weather



In case you want to define a completely custom weather situation you can do so in this section.

Load and Send Weather



If you have a METAR string as starting point for your custom weather enter it in the corresponding text field on top of the screen and click on the Load button. This will decode the weather situation defined in the METAR string into the custom weather sections below.

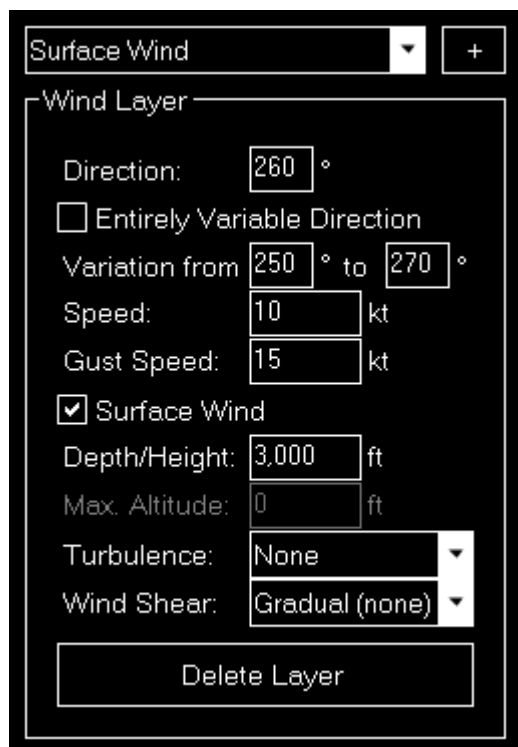
To send the weather define in these custom weather sections to the flight simulator, just click on the Send Weather button.

Add as Weather Preset



You may also save your custom weather situation as [weather presets](#). Just enter a name and then click on the Add Preset button.

Wind Layers




You can define all wind layers - including the surface wind - in this section.

First enter the speed and optional gust speed (keep it if not needed) of the wind layer.

Next you can define the direction where the wind is coming from. You have two additional options regarding the wind direction:

You can define it as Entirely Variable or even enter the from and to direction where the wind is coming from. If the wind should come only from a fixed direction, just keep the Entirely Variable Direction check box unchecked and the variation input fields as .

Next you can define if the current wind layer is a surface wind or an wind aloft. In case of a surface wind you have the additional option to define a depth/height of the wind and if it is a wind aloft you can define a maximum altitude (MSL) for it instead.

 Note: You may add as many wind layers as you want, but there can be only one of them defined as surface wind.

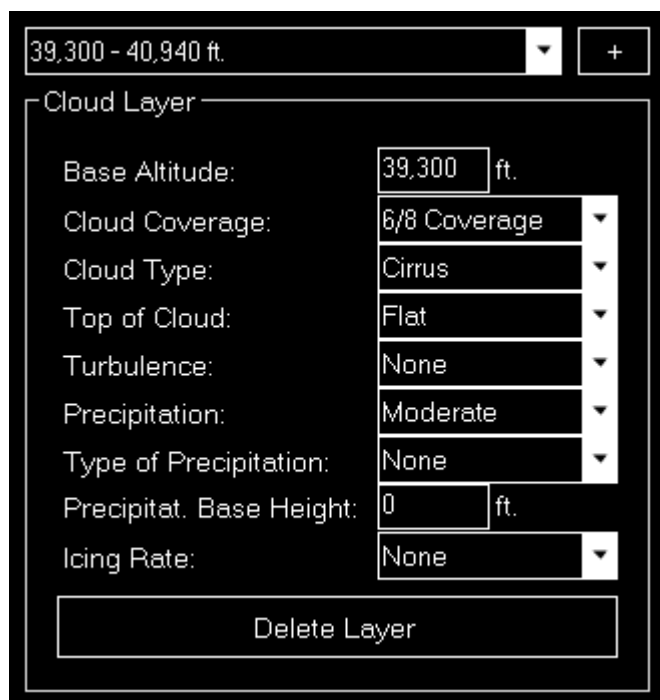
Finally you can define turbulances in this wind layer as

- None
- Light
- Moderate
- Heavy
- Severe

and wind shears as:

- Gradual (none)
- Moderate
- Steep
- Instantaneous

Cloud Layers



Here you can define all cloud layers of the custom weather situation.

First enter a base altitude (MSL) for the cloud layer.

Then you can define several additional parameters for like cloud coverage as of

- Few Clouds
- Scattered Clouds
- Broken Clouds
- Overcast
- 1/8 Coverage
- 2/8 Coverage
- 3/8 Coverage
- 4/8 Coverage
- 5/8 Coverage
- 6/8 Coverage
- 7/8 Coverage
- 8/8 Coverage

cloud type as of

- Cirrus
- Stratus
- Cumulus
- Cumulo-nimbus

top of the cloud as of

- Flat
- Round
- Anvil

turbulances in the cloud layer as of

- None
- Light
- Moderate
- Heavy
- Severe

type of precipitation as of

- None
- Rain
- Freezing Rain
- Hail
- Snow

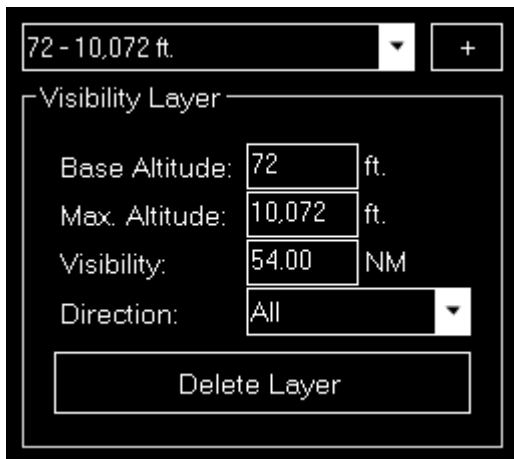
precipitation strength as of

- Very Light
- Light
- Moderate
- Heavy
- Dense

the base altitude of the precipitation as well as the icing rate as of

- None
- Trace
- Light
- Moderate
- Severe

Visibility Layers



72 - 10,072 ft. +

Visibility Layer

Base Altitude: 72 ft.

Max. Altitude: 10,072 ft.

Visibility: 54.00 NM

Direction: All

Delete Layer


The visibility layers of the custom weather situation can be defined in this section.

First enter the base and maximum (top) altitude (MSL) of the visibility layer.

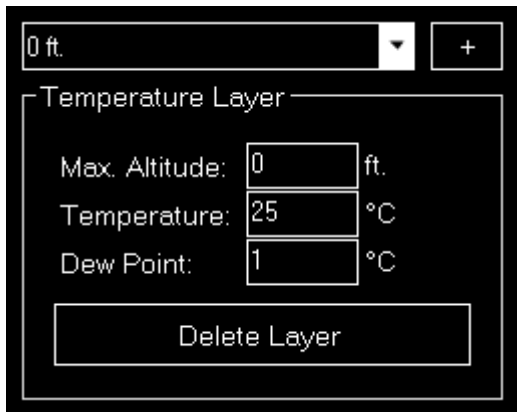
Then you can define the visibility in this layer itself.

Finally you can decide in which direction this visibility should be effective as of

- All
- North-West
- North
- North-East
- East
- South-East
- South
- South-West
- West

 Note: To set the same visibility for more than one direction, but not for all, just create another visibility layer with the same base and maximum altitude.

Temperature Layers

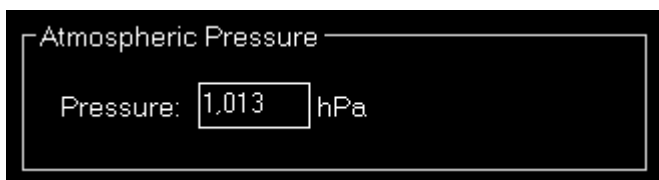


Also individual temperature layers can be defined for your custom weather situation.

First enter the maximum altitude (MSL) up to which this layer should be valid.

Then you can enter the temperature and dew point of this temperature layer.

Atmospheric Pressure



Here you can define the atmospheric pressure for your custom weather situation.

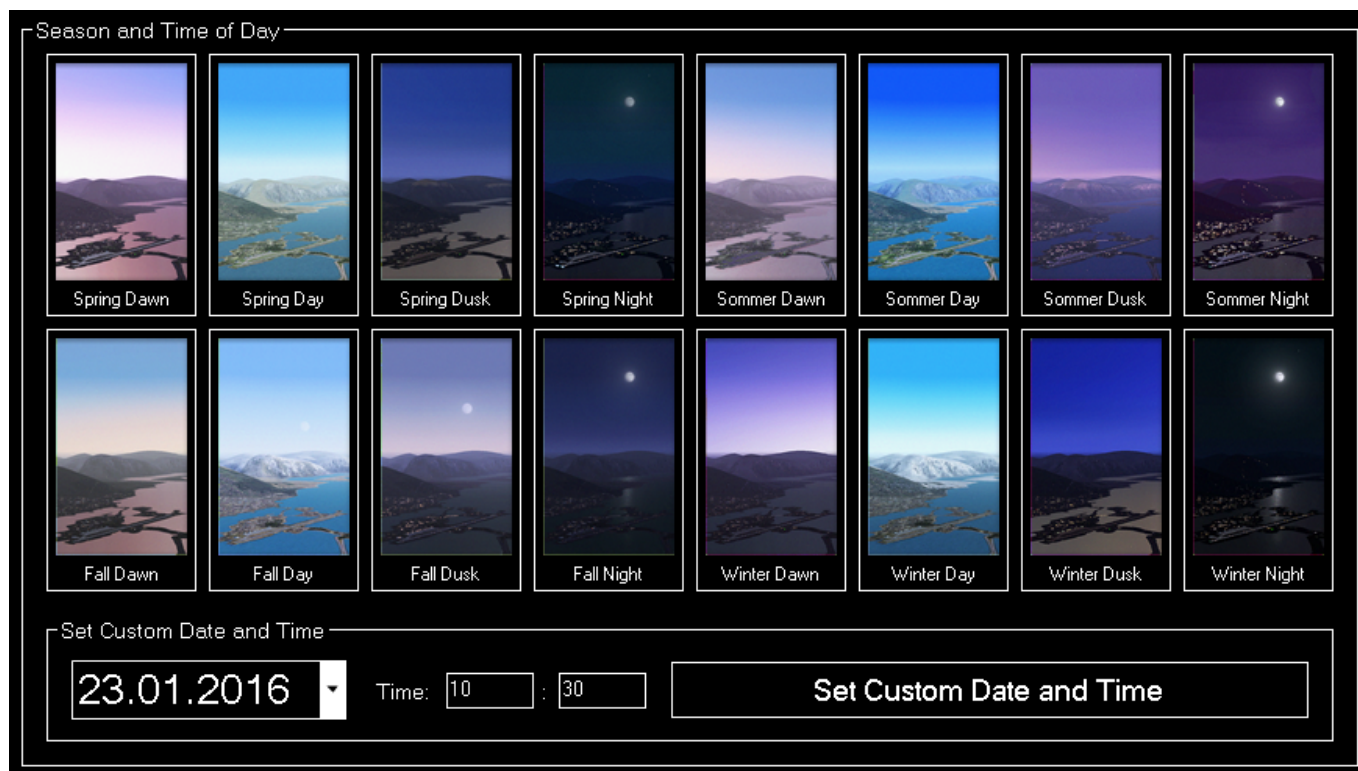
Weather Presets



All your saved weather presets are listed here. There is no limit in the number of weather presets you can define.

To delete a weather preset again, just right-click (for touch-screens: “long touch”) on one of the presets. Then you will be asked if you want to delete it.

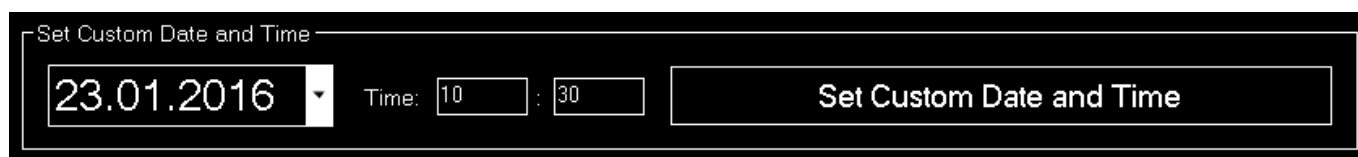
Season and Time



In this section you have a quick and easy control of the current season.

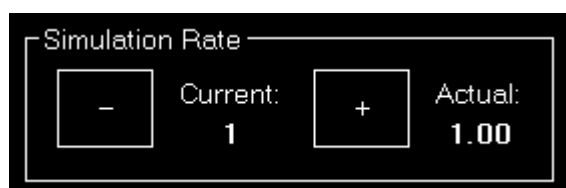
Just click on one of the pre-defined season buttons.

Set Custom Date and Time



Additionally you can define a completely custom date and time in this section.

Simulation Rate



Beside a very detailed weather configuration system this module offers here also an easy way to change the current simulation rate of the simulator.

General Info



Additionally in the bottom right of the screen you always have an eye on the current frame rate and simulator time.

FS-FlightControl Manual:
<https://www.fs-flightcontrol.com/en/manual/>

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