

Mendig - New York - Oklahoma Trip6 (V5.0)

Flight created on 25.03.2020 (Changed 10.02.2025 to V5.0, Mooney Bravo installed.)

This mission only works with P3dV5 and P3dV6.
For P3dV4 download the appropriate version here:
<https://www.andi20.ch/p3d>

Estimated flight duration with AN2 6h (48h all 8 trips)
The An2 flies at 100, the Mooney at 160 KIAS, so all times are shorter by a factor of 1.6.

Level of difficulty easy - difficult (with - without help)

Task: Fly from Mendig (Germany) to Oklahoma (USA).

Introduction

This is the re-enacted flight of “Steel Buddy” Michael, from Mendig to New York and on to Oklahoma, with the old An2 biplane.
Because the AN2 is not P3dV5/6-compatible, here is the alternative version with the Mooney.

If you still own a P3dV4 and have purchased the AN2, you can download an AN2-compatible version at this address:
<https://www.andi20.ch/p3d>

So that some AN2 feeling remains, I'm leaving the help texts and pictures for the AN2.

Adjustments and new features in this version:

1) Pumping fuel:

- The Mooney Acclaim flies the same distance with 18% fuel as the An2 with 90%.

So that you can still enjoy the “pump fuel”, the Mooney Acclaim starts with 28% fuel.

- The Mooney Bravo consumes 70% fuel for the same distance as the AN2 with 90%.

2) Because the Mooney Acclaim is not simulated very realistically, I have added the Mooney Bravo as an alternative aircraft.

- With the Acclaim, the mixture setting has no influence on the engine performance, regardless of the altitude, the mixture can be set anywhere between 6 and 100%.

- The fuel consumption is far too low: fully loaded and with 100% fuel, the Acclaim easily flies from Paris to New York (3150nm) and still has more than 4% fuel in the tank, which is enough for another 150nm. According to the data sheet, only 1400nm are possible.

3) AN2 had neither autopilot nor GPS:

The Mooney has both. The use of both makes the flight easier, but can lead to problems if, for example, GPS steers somewhere other than the air traffic control specifies.

4) Overheating problems and other things that only occur with AN2:
There are no overheating problems etc.

- For the Mooney Bravo I have “artificially” built in an overheating problem:

If you fly for a long time at 100% power, and/or at 100% propeller speed and the cooling air flaps are closed, an oil leak occurs. In this case, you have up to 50 minutes to make an emergency landing somewhere, repair the engine and continue flying.

- The flight with the Mooney Acclaim is unchanged, there is no problem.

5) Now you can fly the flight with the Mooney Bravo a little more realistically.

Ignore the information on power, speed and flap position, they only apply to the AN2.

- Fly at maximum speed, approx. 165 knots and adjust the mixture of the Mooney Bravo according to the altitude.

- Remember to open the cooling air flaps on the Mooney Bravo when setting full power and/or propeller speed.

General information

Michael has installed additional tanks in the Antonov, this additional fuel must be filled into the fuel tanks by hand if required.

I have “modified” the AN2 a little for this flight, i.e. adapted the switch for the “cab light” so that this switch now triggers refueling.

It is best to refuel several reserve tanks if the fuel is below 10%.

Here are the most important instruments of the An2 incl. cab light:

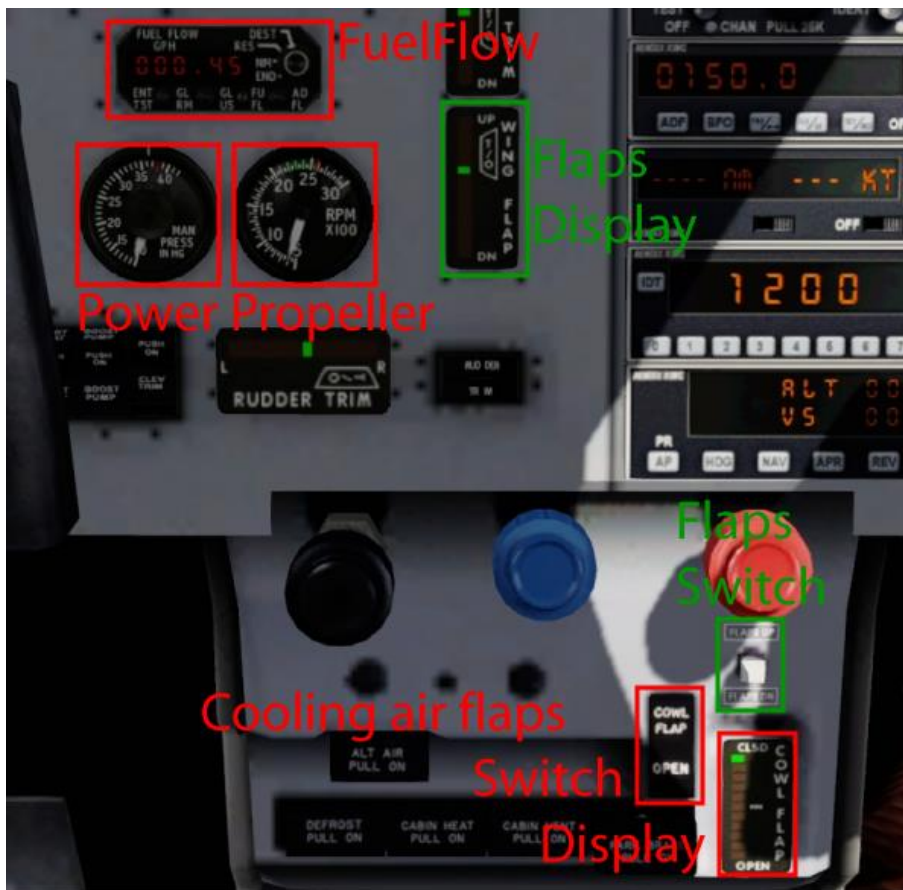


The cab light of the Mooney is overhead:
Acclaimc Bravo



Info about Mooney Bravo

Overview:



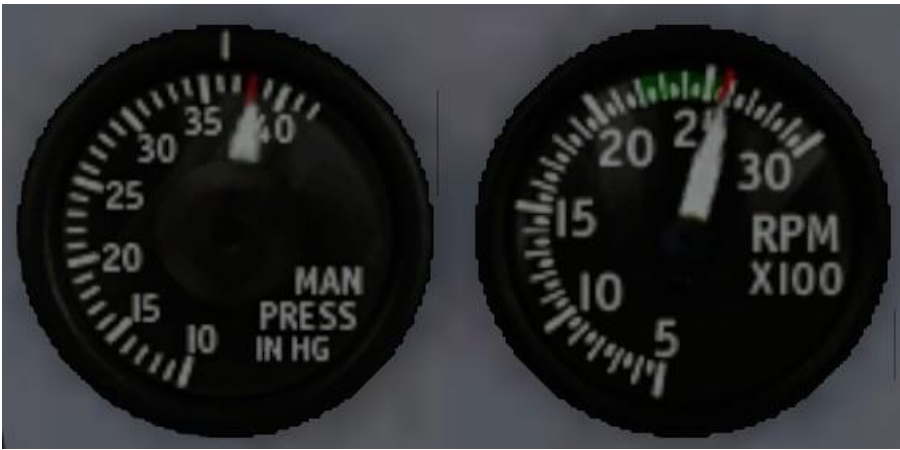
The mixture must be set correctly when climbing. The FuelFlow display helps you to do this. The higher the FuelFlow value, the more optimal the mixture setting.



During take-off and climb, the aircraft is normally flown at maximum power and propeller speed.

Power 100%

Propeller 100%



For cruise flight, reduce the propeller speed to the green range and reduce the power.

Power 90%

Propeller 90%



To prevent the engine from overheating, open the cooling air flaps.



The fuel gauge on the Mooney Bravo is based on the same “panic principle” as in a car:

If the needle points to the red area, it suggests a lack of fuel, although you still have plenty of fuel in the tank.

Here is the fuel level, with the corresponding display:

30%

20%



15%



10%



When the needle is at the left stop, there is still 10% in the tank.

It is therefore sufficient to refuel as soon as the needle touches the "E".



Info about Trip 6

After Michael and Fabian have worked all night:

- The small yellow screwdriver is not to be found.
- So they file a ball-head-Imbus to a slot-screwdriver.
- Steal a piece of wire in front of the police building.
- etc.

Now the engine runs smoothly again.

Start of the flight

Trip 6: Westchester (KHPN) - High View Farm (61VA) 245nm

You are at Westchester on runway 34.

Take off, climb to 300m (1000feet) and fly heading 310.

Fly to the Hudson, follow the Hudson to the left, over the "Governor Mario M. Cuomo Bridge".



Sink to 150m (500feet) before the "George Washington Bridge".



Follow the Hudson towards the Statue of Liberty.

Air traffic control is puzzling whether this is an airplane or a helicopter, because the Antonov flies so slowly.

Anyway, you are allowed to circle around the Statue of Liberty.



Then fly heading 250.

On the way you hear about an air show, so change of plan:
Heading 280, towards Lanchester.

The airport comes into sight, so you aim for runway 26...

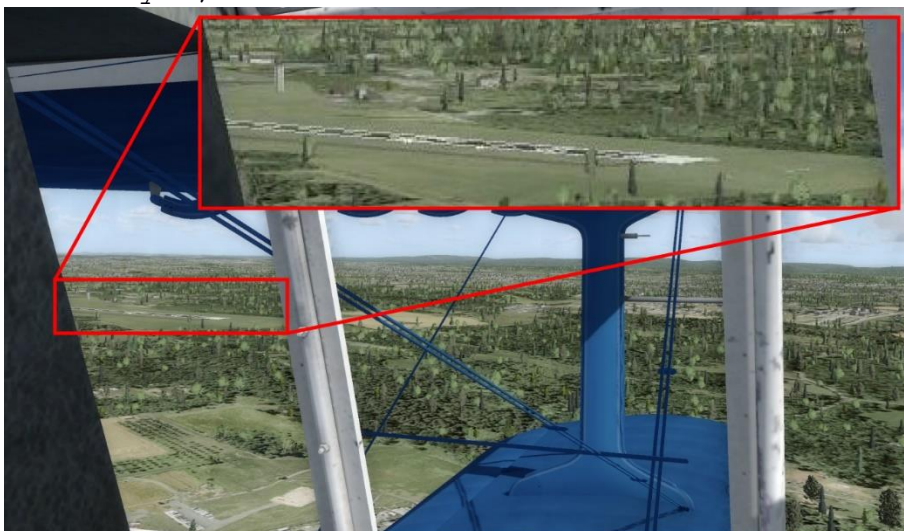


...and make a deep flyover...

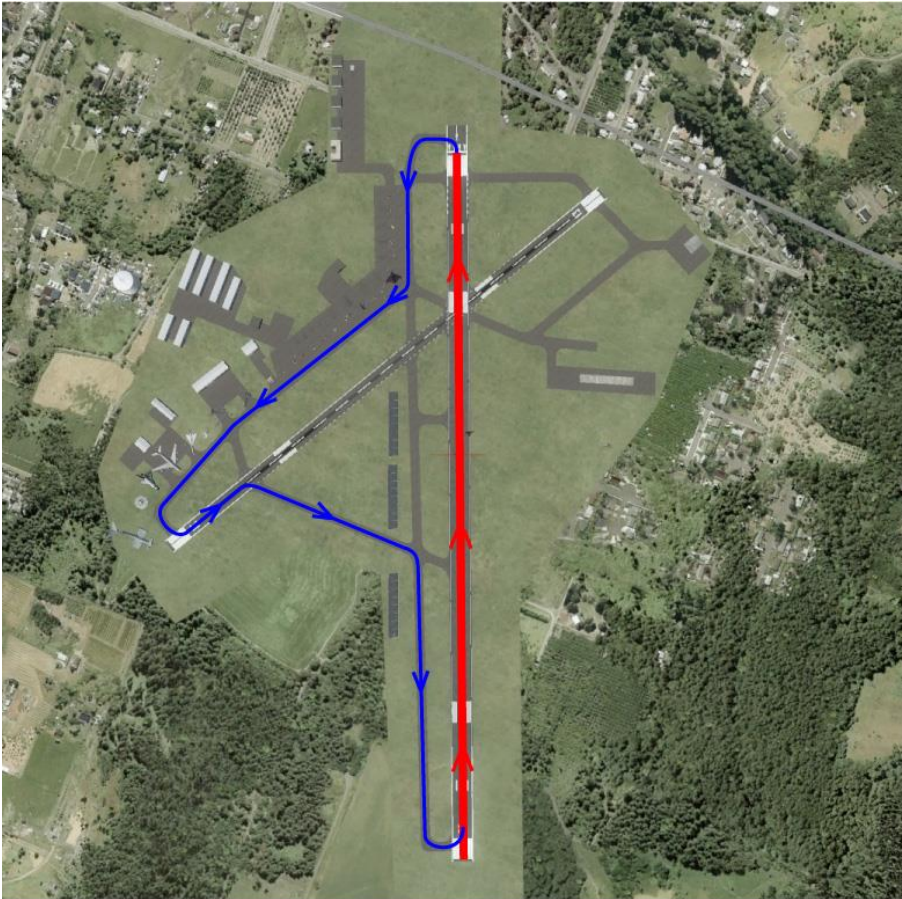


Then fly a tight circuit to the left and land.

You probably know how to fly a circuit, don't you?
If not: If help is activated, you will be helped.
As soon as the runway in the left window is about 45 degrees
behind you, turn left and land.

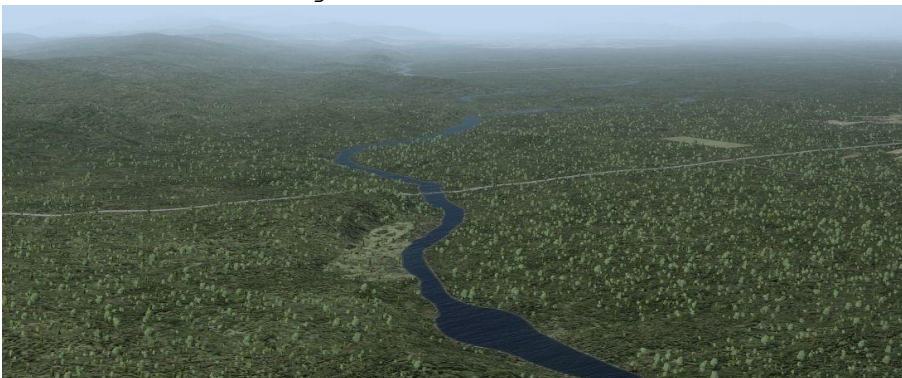


Now roll over the airfield as instructed, inspect the aircraft and
continue flying at the end.
Red shows runway 26, blue the taxiway.

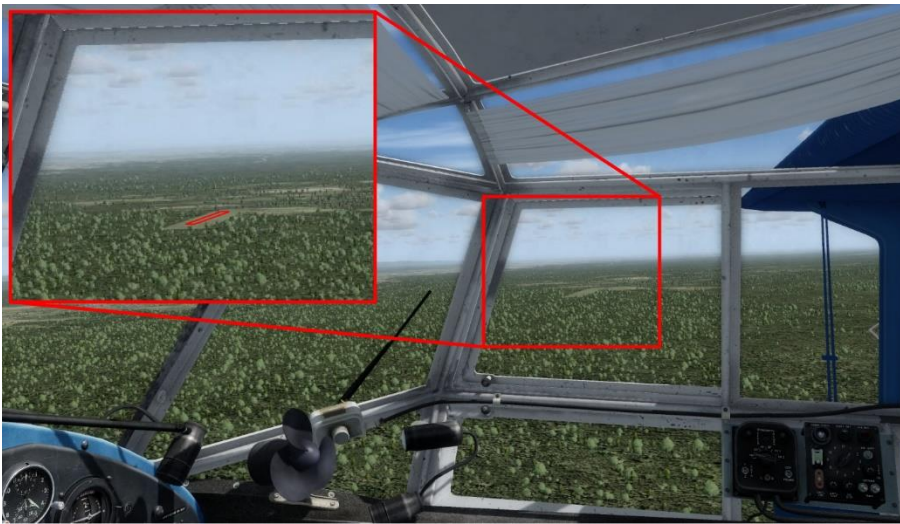


Now we go to the "High View Farm", where Toni's family lives. Take off, climb to 1200m (4000 feet) and fly heading 250.

The farm is hard to find, so on Toni's instruction you will follow a road to the right.



Soon you will see the runway in the right window.



The landing will not be easy, because the landing area is short.

After landing, roll to the building, there is the gas station.

I hope you enjoyed this flight, if so please give feedback to p3d@andi20.ch . Also send error messages (spelling mistakes, wrong information, etc.) to p3d@andi20.ch, I appreciate any feedback.