

Your next flight will be Chester to AGNEZ. Fly it with the IFR chart.

Assume that your route of flight takes you westward from Chester VOR (279°, CTR, 115.1) via V270 to AGNEZ intersection (222°, ALB, 115.3) where you turn south on V489. It is 56 nm from Chester to AGNEZ. Flying time (no wind) in the C182 Nav Trainer with a 110 kt cruise is about 31 minutes from station passage to that intersection. Monitoring progress along a long, straight flight path provides an excellent opportunity to determine your ground speed and the head- or tail-wind component.

IFR charts are useful for more than just IFR flights. Consider the Chester to AGNEZ route via V270 on chart L-25. Notice how many intersections there are along the route. These are convenient checkpoints during a flight. The radials are already printed on the chart, it's simply a matter of tuning in Albany VOR on 115.3 MHz, and setting the OBS for the appropriate radial, making certain that the FROM flag is showing. Then you can map your progress along V270 from Chester to AGNEZ intersection, at which point the flight plan requires a left turn to intercept V489.

There's even an NDB immediately on the flight path so that's one more checkpoint of your progress. Just tune the ADF to 272 KHz, Philmont, PFH and note station passage.

The flight will begin at Barnes Muni Airport, KBAF, in Westfield, Mass., 13 nm southeast of Chester VOR. Intersections will be from Albany VOR, 115.3 MHz.

1. Set 30 kt wind from 164° into your flight simulator. This results in a 30 kt wind from 150° in FS2000 and FS2002.
2. Using your virtual E6-B, calculate WCA for this 30 kt wind from 150°, cruise at 110 kts, magnetic course; 279°.
3. Tune Nav to Chester VOR, CTR, 115.1 MHz.
4. Take-off from Barnes Muni Airport, KBAF, Runway 15. Turn left then direct to Chester VOR. Reset timer.
5. Climb to 4000 ft.
6. At Chester VOR, intercept V270 westbound. Start Timer.
7. Apply calculated Wind Correction Angle.
8. Cruise at 110 kts IAS.
9. Log the time when passing the following intersections:
 - o STELA
 - o ATHOS
 - o ACOVE
 - o AGNEZ
10. Terminate flight after passing AGNEZ—Stop Timer.
11. Calculate Average Ground Speed from Chester VOR to AGNEZ Int. (56 nm)