

## **Ithaca, New York to Elmira, New York**

We're back in the north again. This flight originates at Tompkins County airport in Ithaca, New York, KITH, with a destination of the Elmira/Corning Regional airport, Elmira, New York, KELM. The ILS approach is to Runway 6. The flight-information package is in ith-elm.zip. The zip-file includes the IFR chart, the approach plate for ILS Rwy 6 at Elmira, and this text description of the flight.

We proceed southwest from Ithaca to the Elmira VOR via V426, execute a tear-drop turn and return to intercept the localizer to Elmira's Runway 6.

As usual, do nothing until you have gone through the step-by-step details of the flight with this text and your charts.

- Set the flight simulator weather conditions to 1200 ft overcast, cloud tops at 10,000 ft., and one-mile visibility. The wind is calm.
- Move the aircraft to Ithaca's Runway 32, airport KITH, and retract the flaps to 0°.
- Tune the Nav-1 receiver to the Ithaca VOR, 111.8 MHz., ident ITH.
- Set the VOR-1 OBS to 236°.
- Tune the Nav-2 receiver to the Elmira VOR, 109.65 MHz., Ident ULW.
- Set the VOR-2 OBS to 235°.
- Switch the DME to Nav-1.
- Fly Nav-1. Takeoff from Runway 32 with a climbing left turn.
- Intercept and track V428, the 236° radial of ITH.
- ATC has cleared you to 4000 ft. Climb at 90 kts., then cruise at 110 kts. after reaching your assigned altitude.
- Fly Nav-2. At 11 DME, VILCU intersection, switch navigation to VOR-2.
- Track the 235° radial to the Elmira VOR, ident ULW.
- Switch the DME to Nav-2.
- Change Nav-1 to Elmira's Runway 6 Localizer, 109.1 MHz., ident I-UEK.
- NOTE: Runway 6 and 24 Localizers are both on 109.1 MHz., but have different identifications because each is a front-course approach. If you identify the localizer too early you will hear

I-ELM for Runway 24.

- Change VOR-1 OBS to 062° as a reminder of the runway heading.
- Don't chase the VOR-2 needle as you approach ULW, it will be very sensitive and may even drift off scale for a moment.
- At station passage of ULW, turn left to 220°.
- Reset VOR-2 OBS to 220° and track that radial outbound.
- Fly Nav-1. At 7 DME turn right to 040°.
- Descend to 3000 ft.
- Intercept the Runway 6 Localizer.
- After localizer intercept, drop one notch of flaps and slow to 75 kts.
- Intercept the glide slope and descend normally.
- Stay on the glide slope and localizer until you reach your DH of 1144 ft.
- Don't look away from the gauges until very shortly before reaching the DH, about one-half mile from the runway. Don't descend below that point if the runway is not in sight. You will reach the DH near the Middle Marker.
- Elmira's Runway 6 TDZE is 944 ft.
- Flight time: 34 minutes.