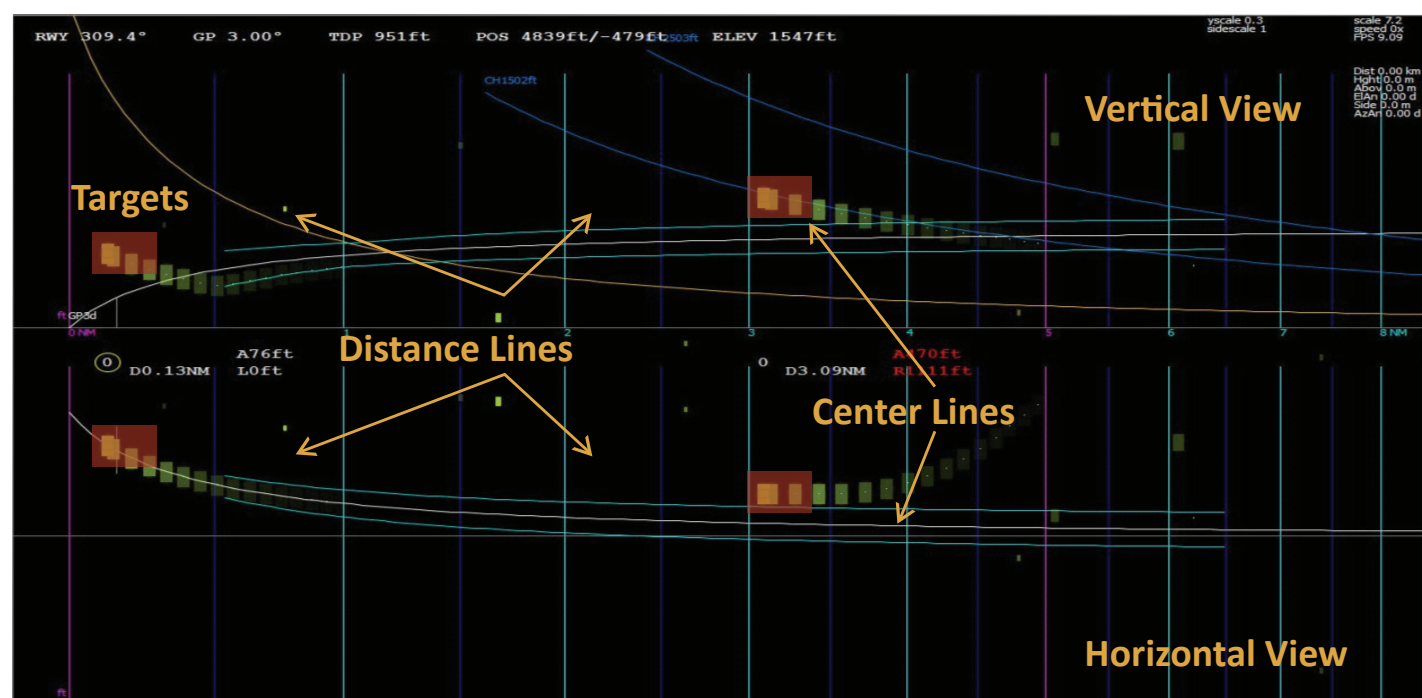# PAR Simu

Precision Approach Radar Simulator Solution

PAR Simu is the ATC simulation tool intended to be used mostly for Military ATCOs Ground Control Approach - GCA training. One part of Simu is dedicated to the Instructor for data set and exercise preparation and as well for Pseudopilot control of approaching targets. Main Map Window serves to background map and Air Situation presentation. Target Info Window is providing selscted target data and allows the ability to control the progress of the flight on En-route and Approach phase.

CHARAKTERISTICS

Trainee/Student is presented the PAR Window displaying glide slope, direction and distance guide lines. On Student display are of course presented radar raw video blips and target labels to facilitate student traffic orientation.

Student position is provided with so called TWR 3D presentation displaying 3D aerodrome, RWYs and aircraft picture. This is supposed to enable student to continue watching pilot behavior during Missed Approach procedure, circuit approach, landing, RWY vacation etc.

STAND ALONE SOLUTION

- The PAR Simu is stand alone application and can be operated without any external support system.
- Dataset files contain list of points, routes and areas in easy editable or generated form. The level of details depends fully on customer requirements and can be easily tailored.
- The exercise file defines the targets list and their routes definition. ATS routes and expected flight behavior (to point, turn at/by point, climb/descent etc) are part of Data set Exercise module.
- All those files comprise application setting defining Flight behavior and none other data source is required.
- Both, the Lector application and the Trainee application do use the same Dataset data. No need of any other external system support.