

Appendix A5
Representative Flight Profiles for EA-18G, P-3C, P-8A, and
Transient Large Jet Aircraft

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This appendix provides scaled plots of representative¹ flight profiles for each modeled aircraft type on a representative flight track. The representative flight profiles consist of flight parameters (i.e., altitude, distance, power setting, and speed) for a given aircraft. Each representative flight profile is applied to all applicable flight tracks of the same type. In some cases when the representative profile is spread to applicable flight tracks, the distances may need to be adjusted to account for Air Traffic Control rules, but profile parameters remain unchanged.

The background is an aerial image with the Naval Air Station Whidbey Island complex boundary shown as a red line. The 4-, 6-, 8-, and 10-nautical-mile Distance Measuring Equipment radius circles are depicted with light gray lines. The profile’s flight track is depicted as a red line. In some cases, flight tracks related to the profile’s flight track are shown in cyan.

The flight profiles are shown in the following order:

<i>Pages</i>	<i>Aircraft Type</i>
A5-7–A5-24	EA-18G
A5-25–A5-30	P-3C
A5-31–A5-36	P-8A
A5-37–A5-41	Transient Large Jet

Each figure includes a table describing the profile parameters of the associated flight track. The columns of the profile data tables are described below:

<i>Column Heading</i>	<i>Description</i>
Point	Sequence letter along flight track denoting change in flight parameters
Distance (feet)	Distance along flight track from runway threshold, in feet
Height (feet)	Altitude of aircraft in feet Above Ground Level (AGL) or relative to Mean Sea Level (MSL)
Power (Appropriate Unit)*	Engine power setting and Drag Configuration/Interpolation Code (defines sets of interpolation code in NOISEMAP (F for FIXED, P for PARALLEL, V for VARIABLE))
Speed (kts)	Indicated airspeed of aircraft, in knots

Notes: * not applicable to helicopter

¹ The noise modeling includes over 377 flight profiles. For brevity, only representative flight profiles are included in this appendix.

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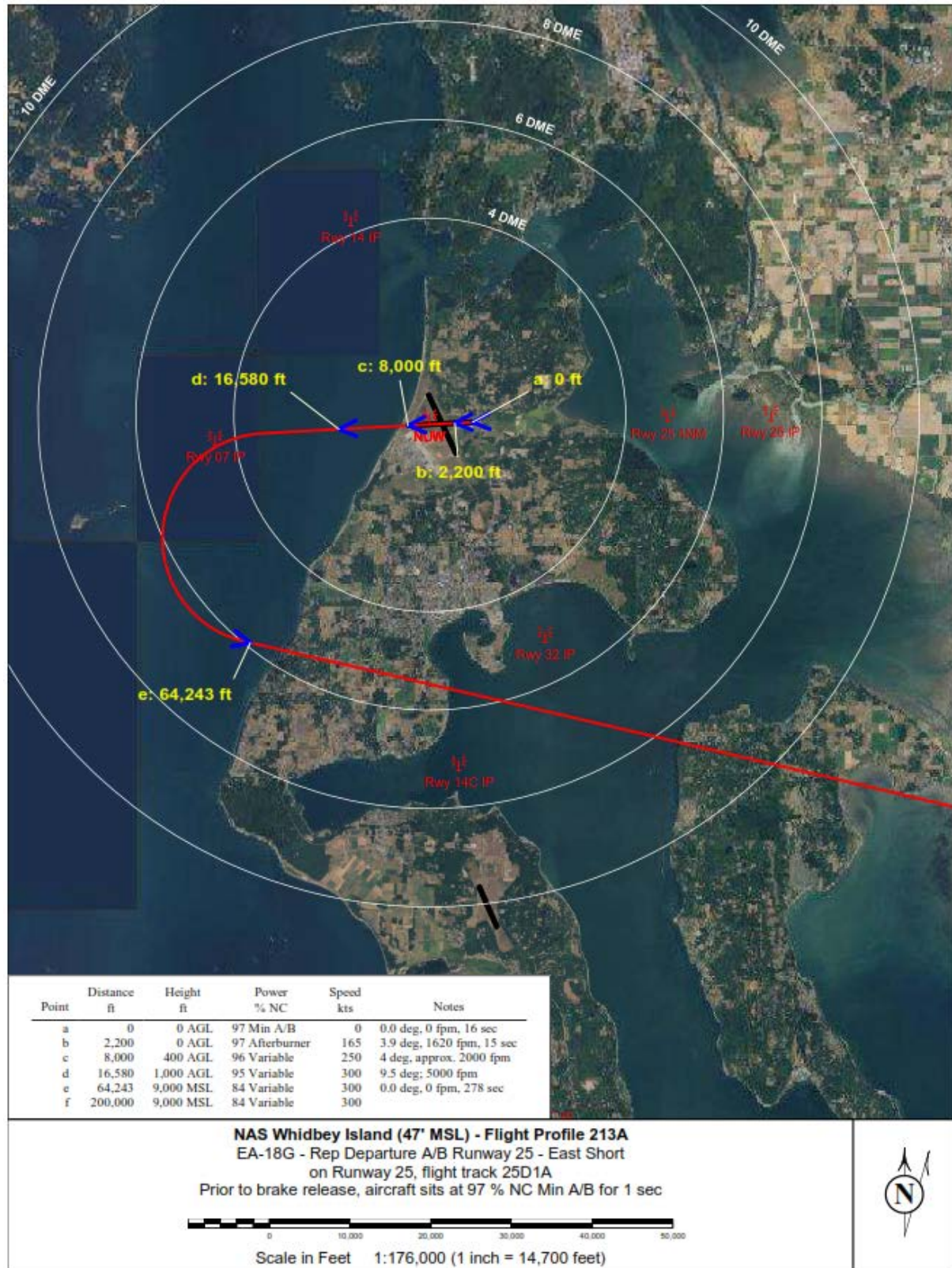


Figure A5-1 EA-18G Departure Flight Profile (with Afterburner for Takeoff Roll) at Ault Field Runway 25

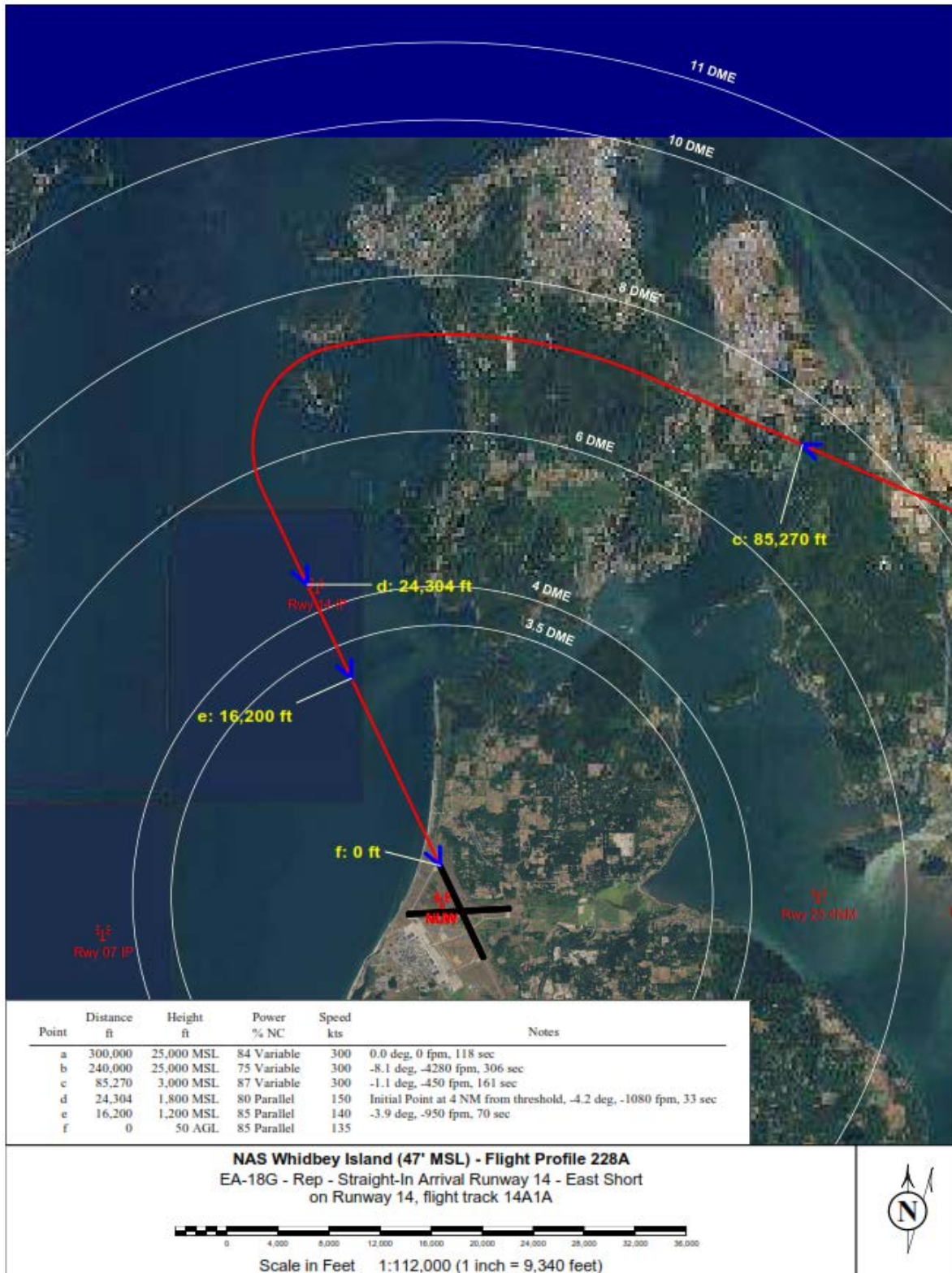


Figure A5-2 EA-18G VFR Straight-in Arrival Flight Profile at Ault Field Runway 14

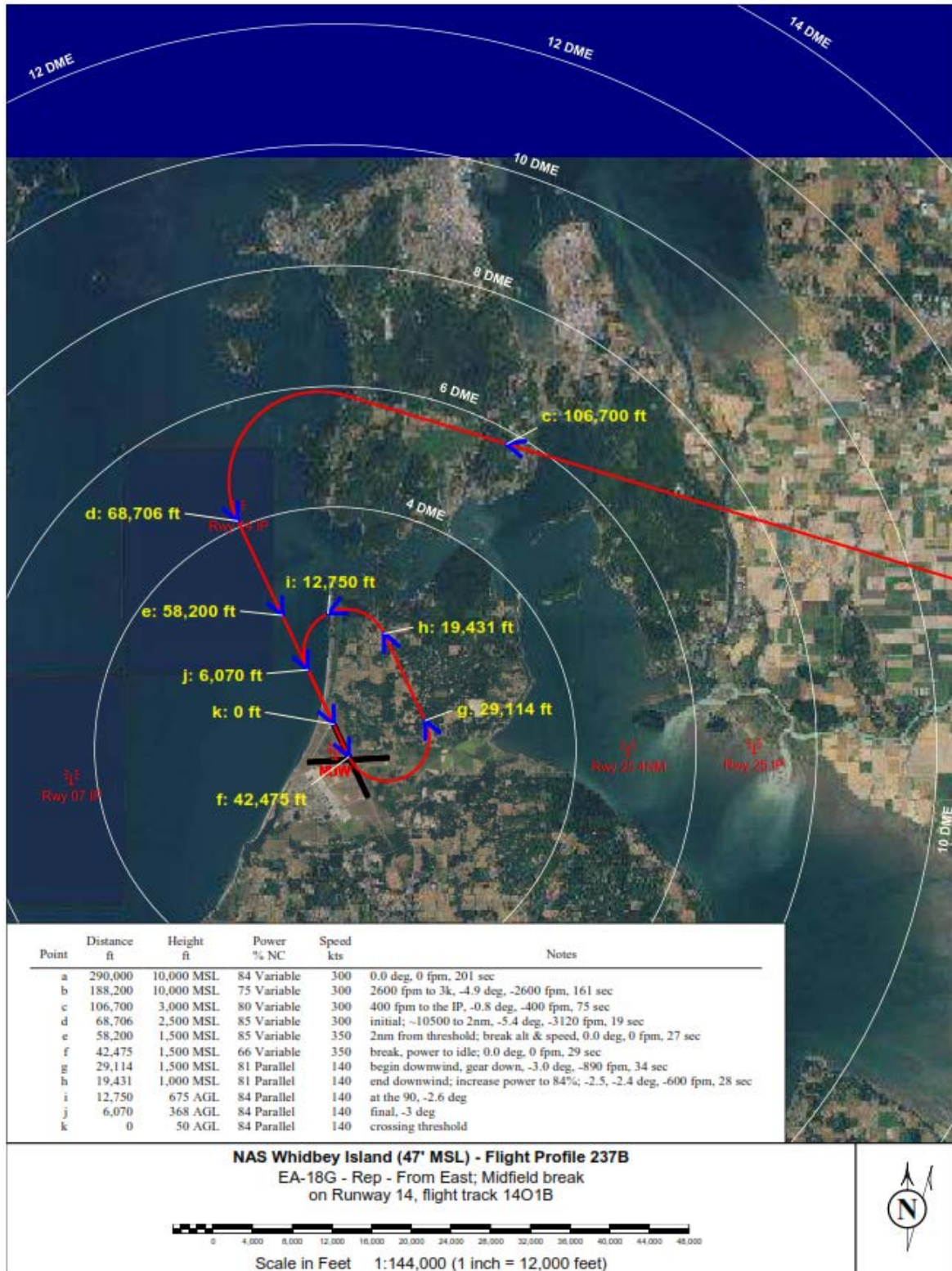


Figure A5-3 EA-18G Overhead Break Arrival Flight Profile at Ault Field Runway 14 (Midfield Break)

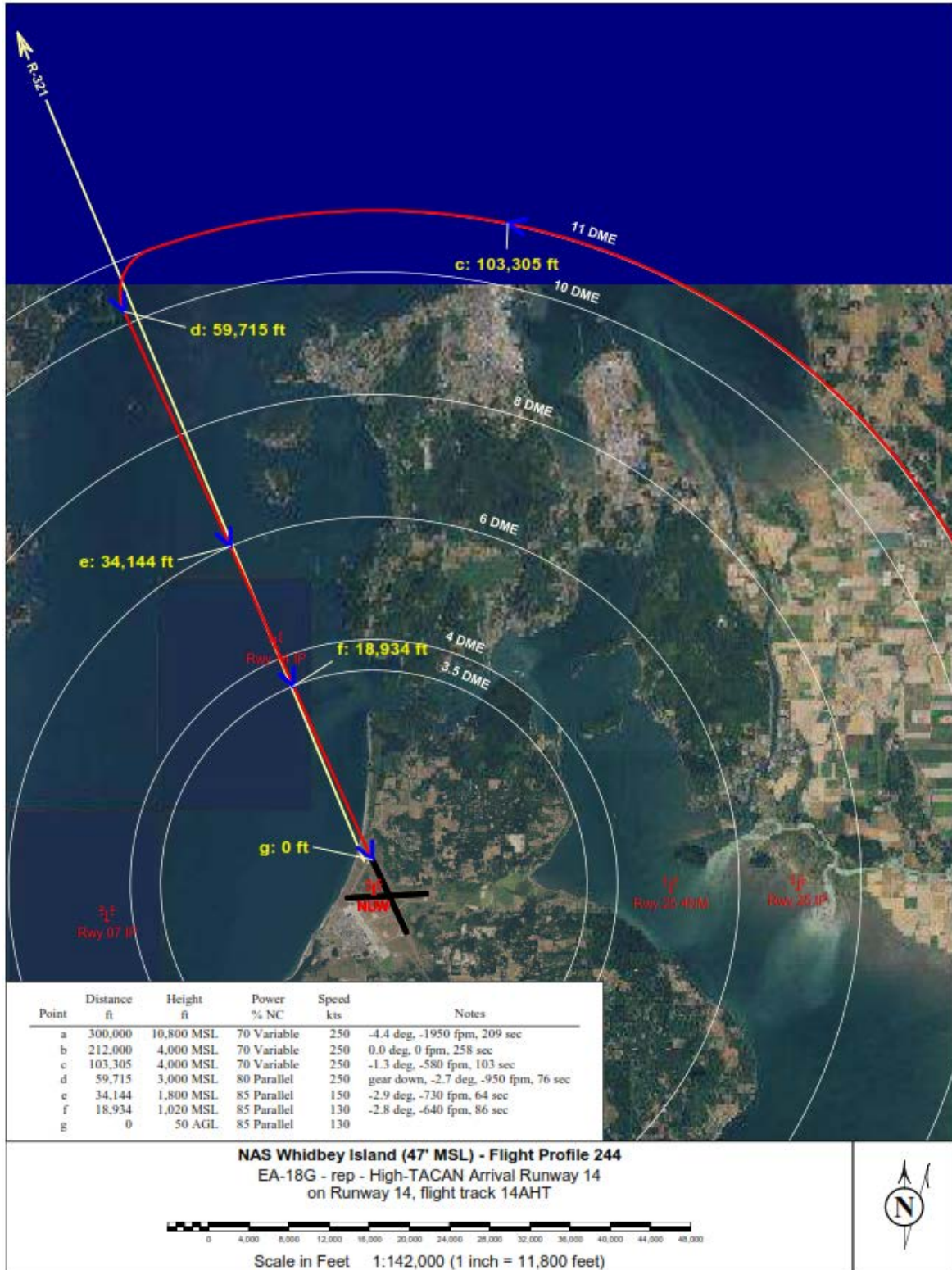


Figure A5-4 EA-18G High TACAN Arrival Flight Profiles at Ault Field Runway 14

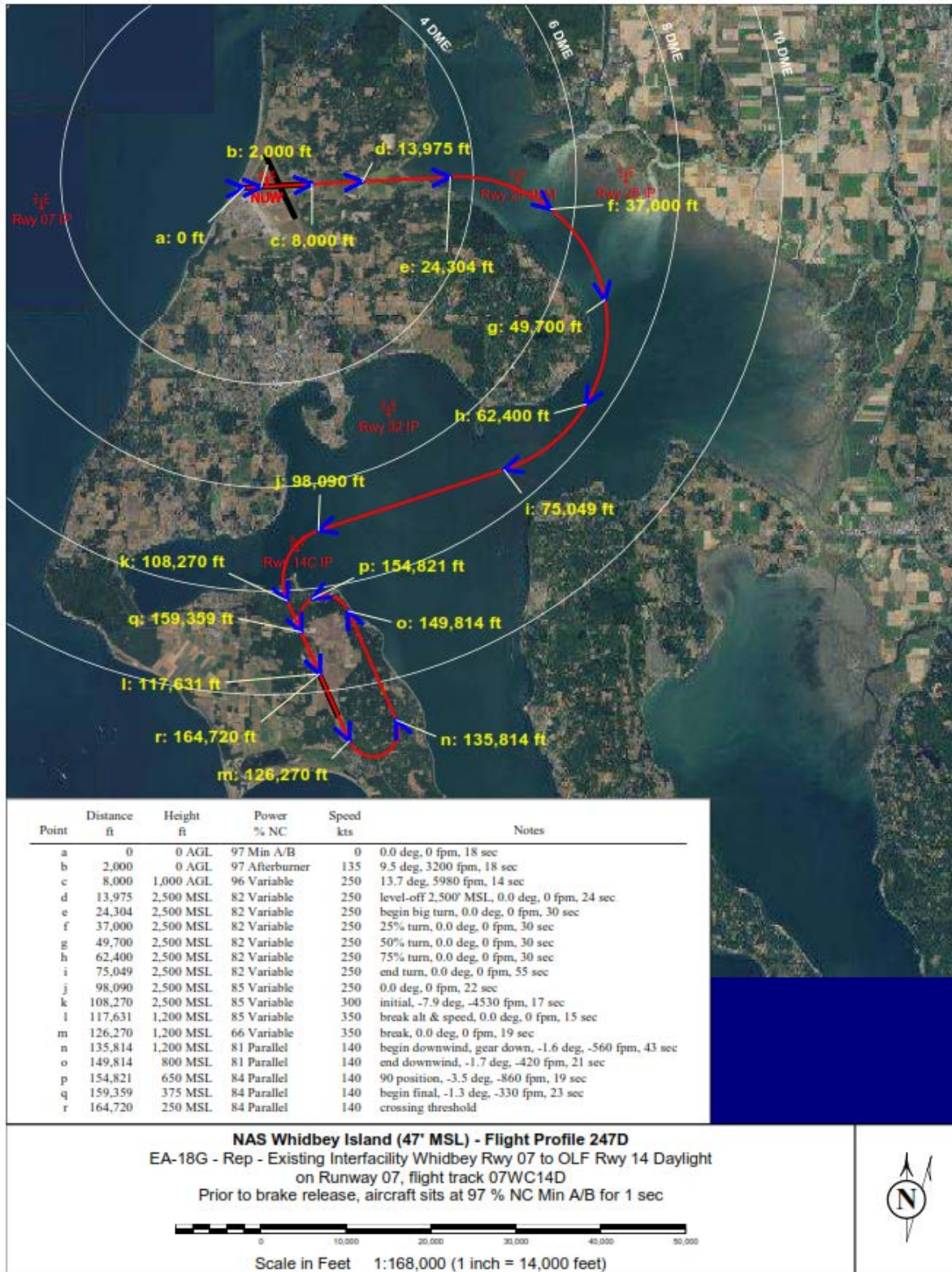


Figure A5-5 EA-18G Existing Interfacility Flight Profile from Ault Field Runway 07 to OLF Coupeville Runway 14 during Daylight

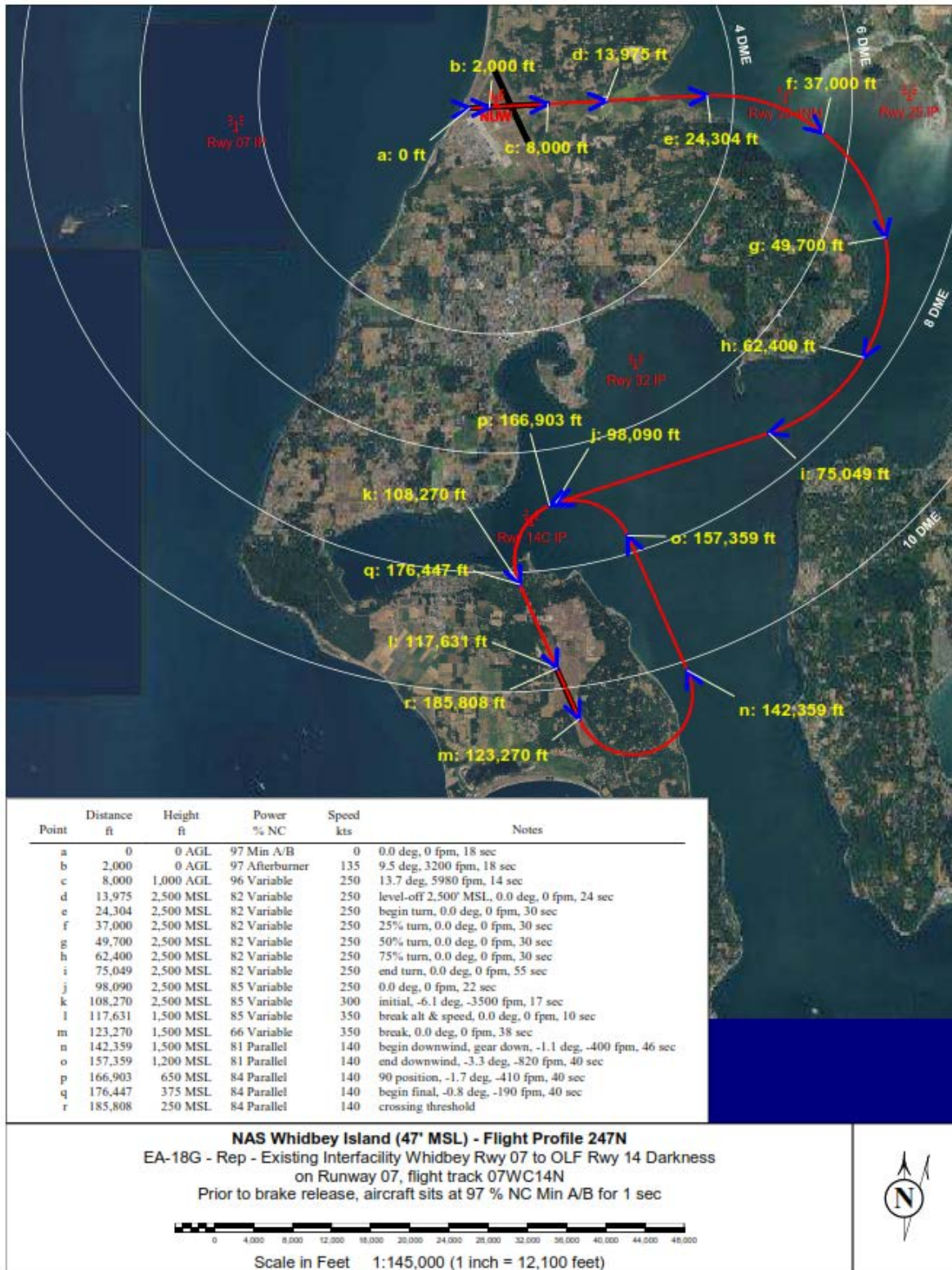


Figure A5-6 EA-18G Existing Interfacility Flight Profile from Ault Field Runway 07 to OLF Coupeville Runway 14 during Darkness

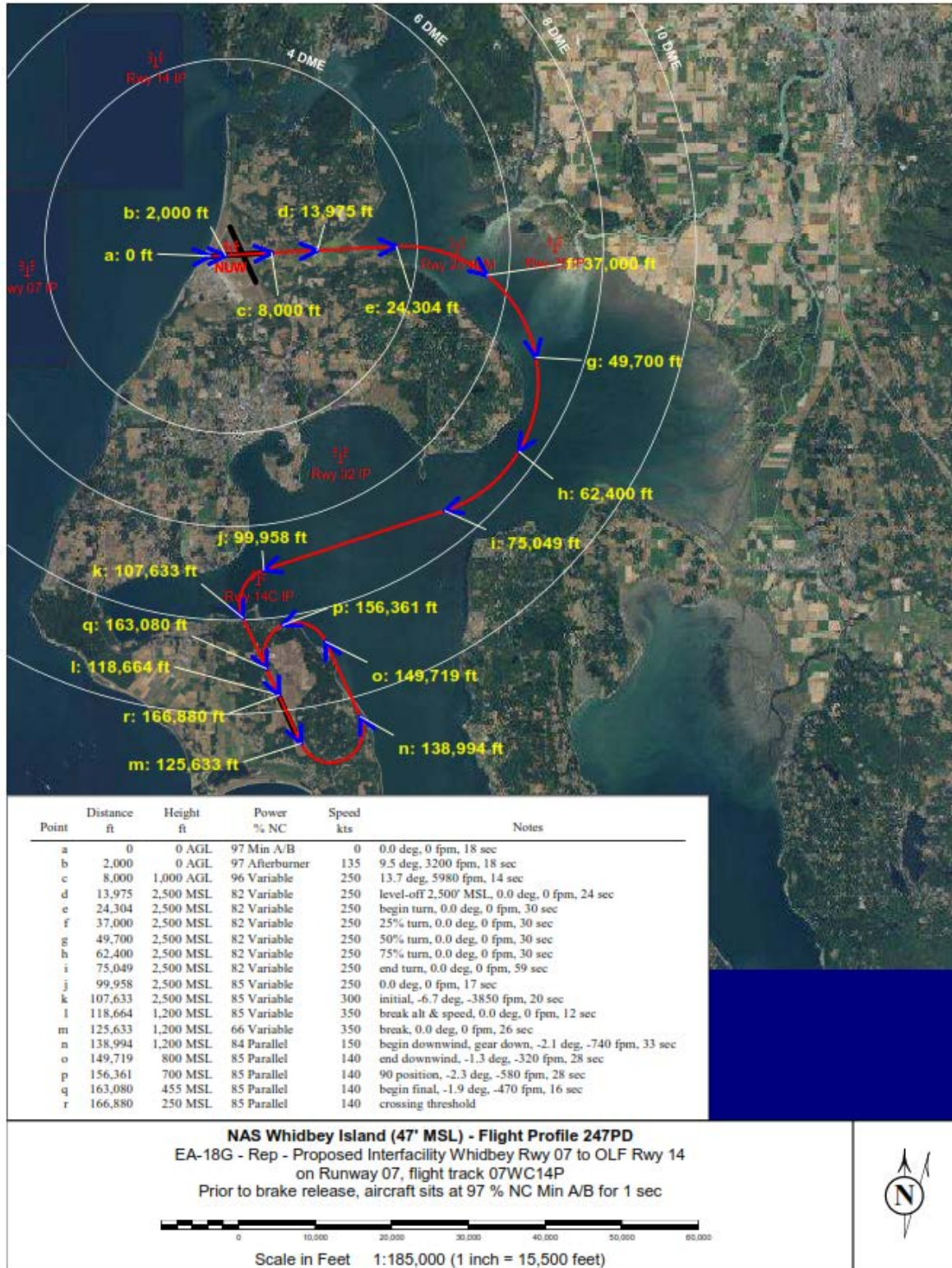


Figure A5-7 EA-18G Proposed Interfacility Flight Profile from Ault Field Runway 07 to OLF Coupeville Runway 14

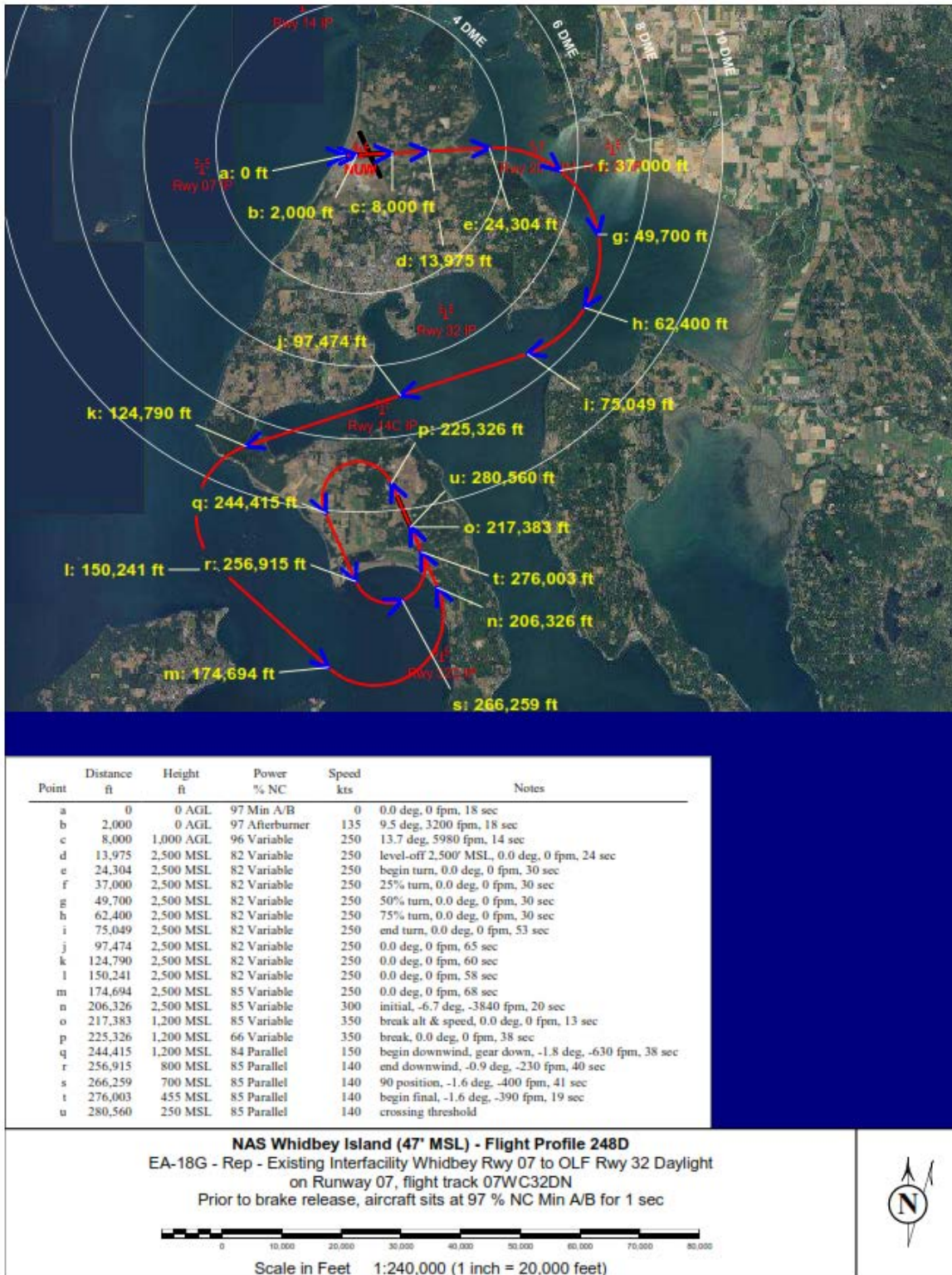


Figure A5-8 EA-18G (Baseline and No Action) Interfacility Flight Profile from Ault Field Runway 07 to OLF Coupeville Runway 32 during Daylight

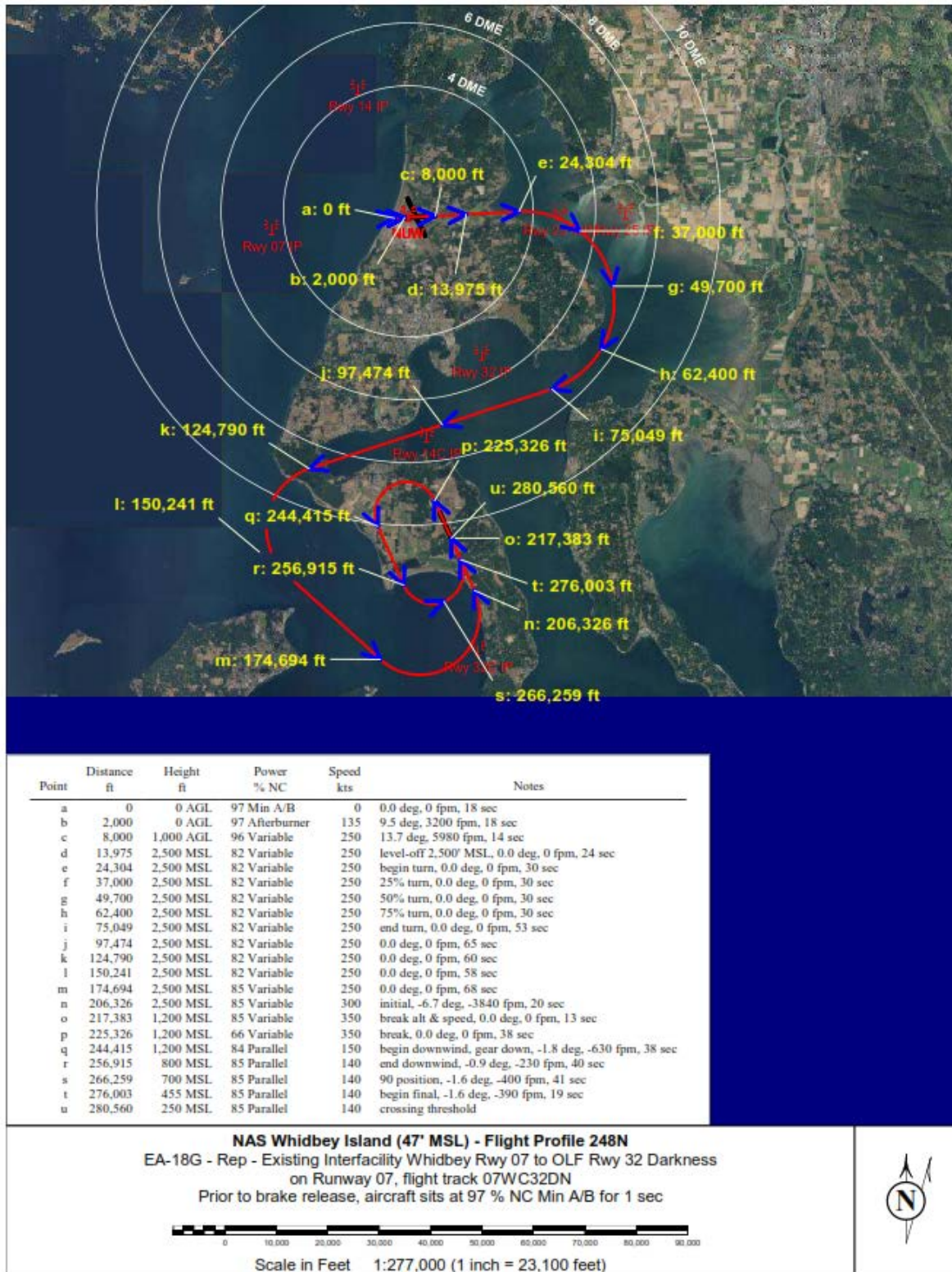


Figure A5-9 EA-18G (Baseline and No Action) Interfacility Flight Profile from Ault Field Runway 07 to OLF Coupeville Runway 32 during Darkness

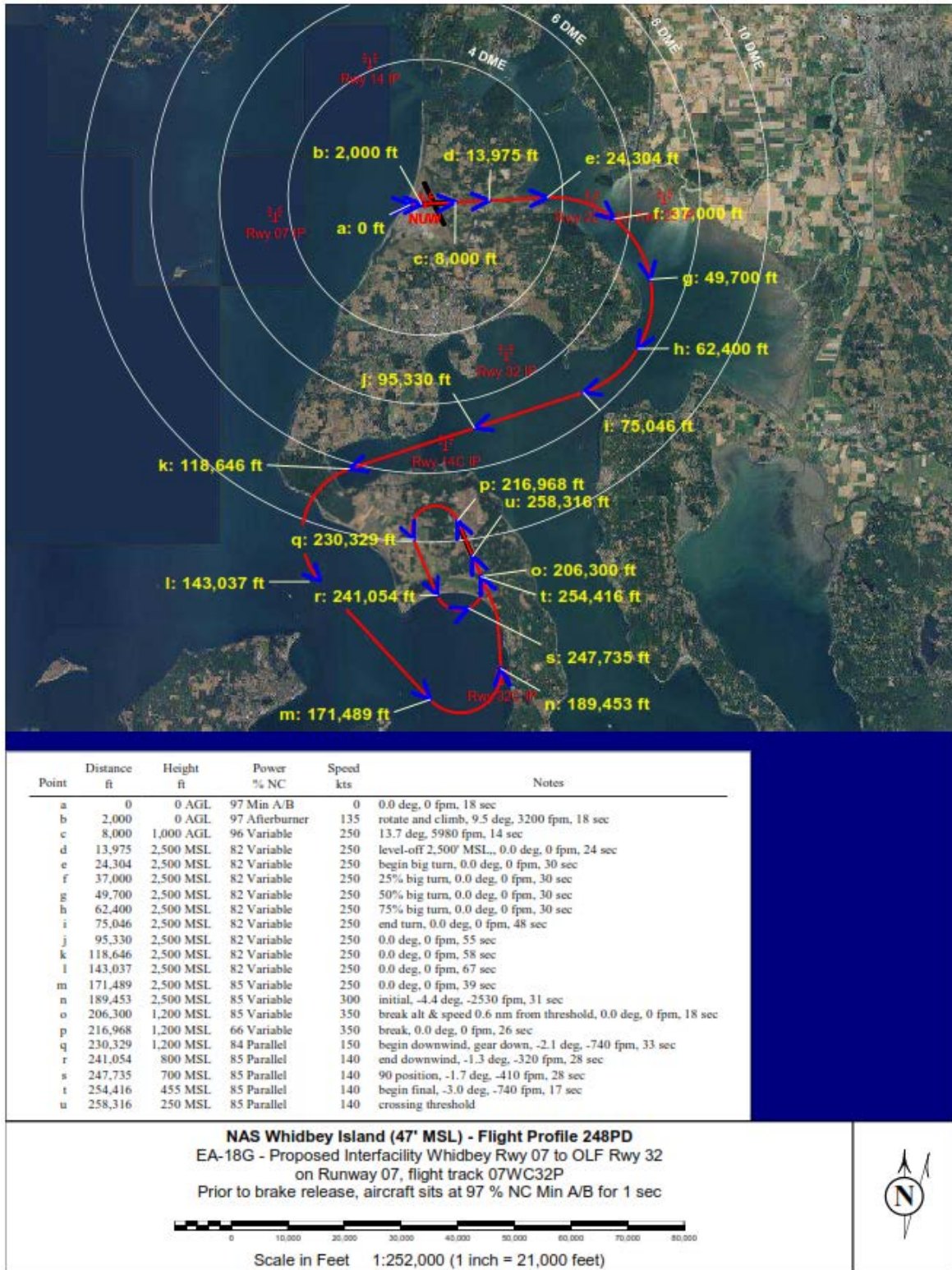


Figure A5-10 EA-18G Proposed Interfacility Flight Profile from Ault Field Runway 07 to OLF Coupeville Runway 32

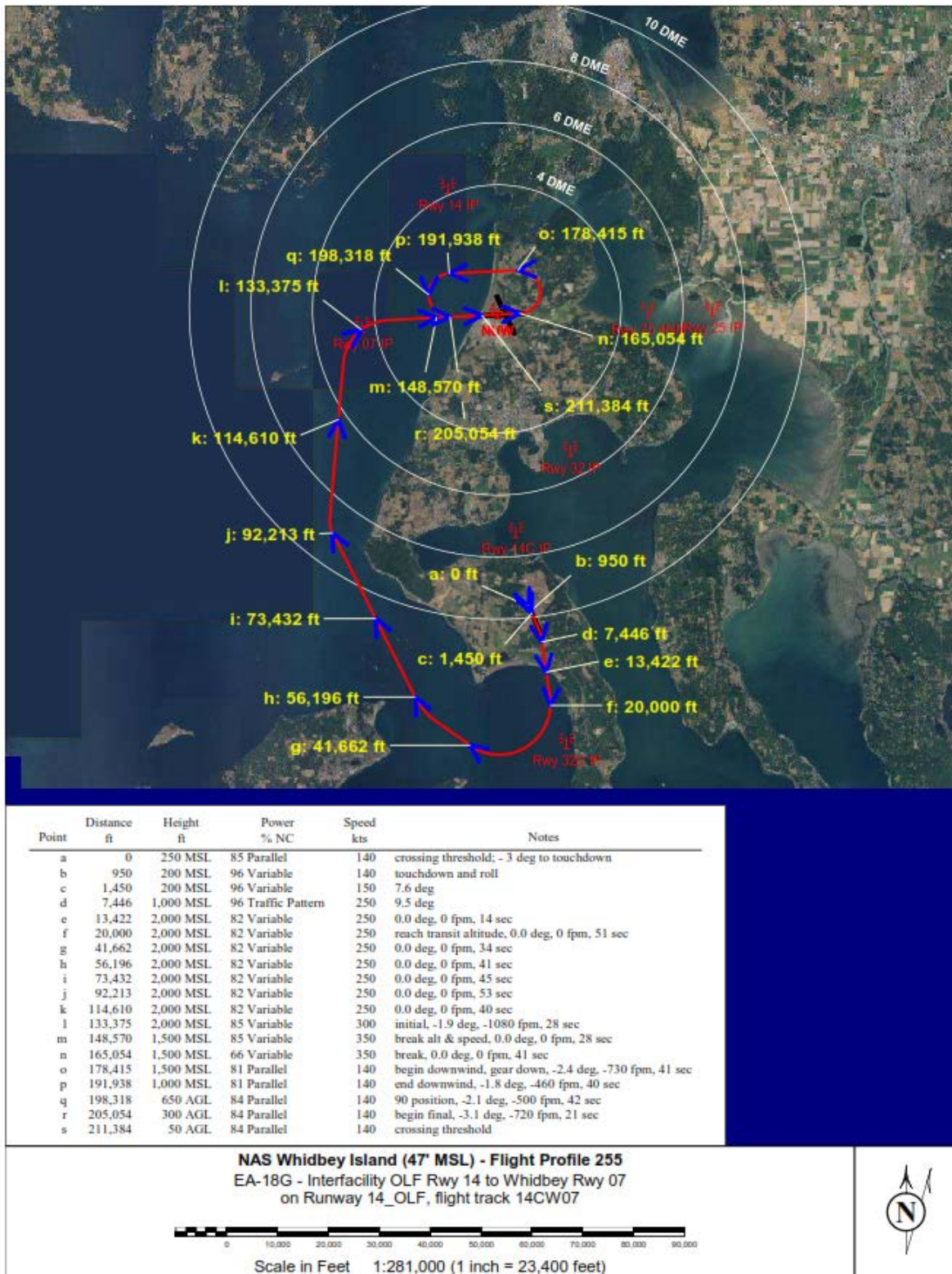


Figure A5-11 EA-18G Interfacility Flight Profile from OLF Coupeville Runway 14 to Ault Field Runway 07

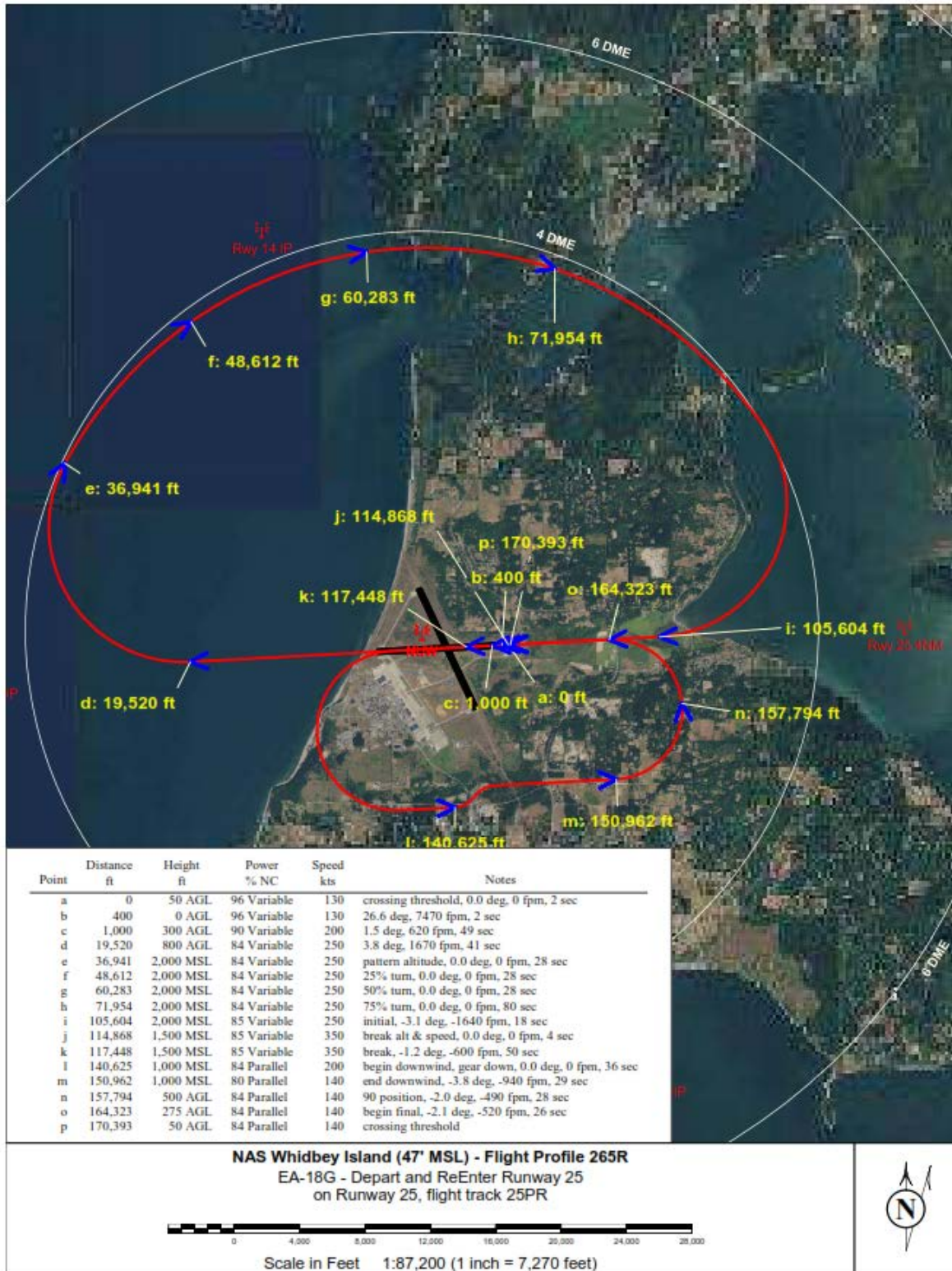


Figure A5-12 EA-18G Depart and Re-enter Profile at Ault Field Runway 25

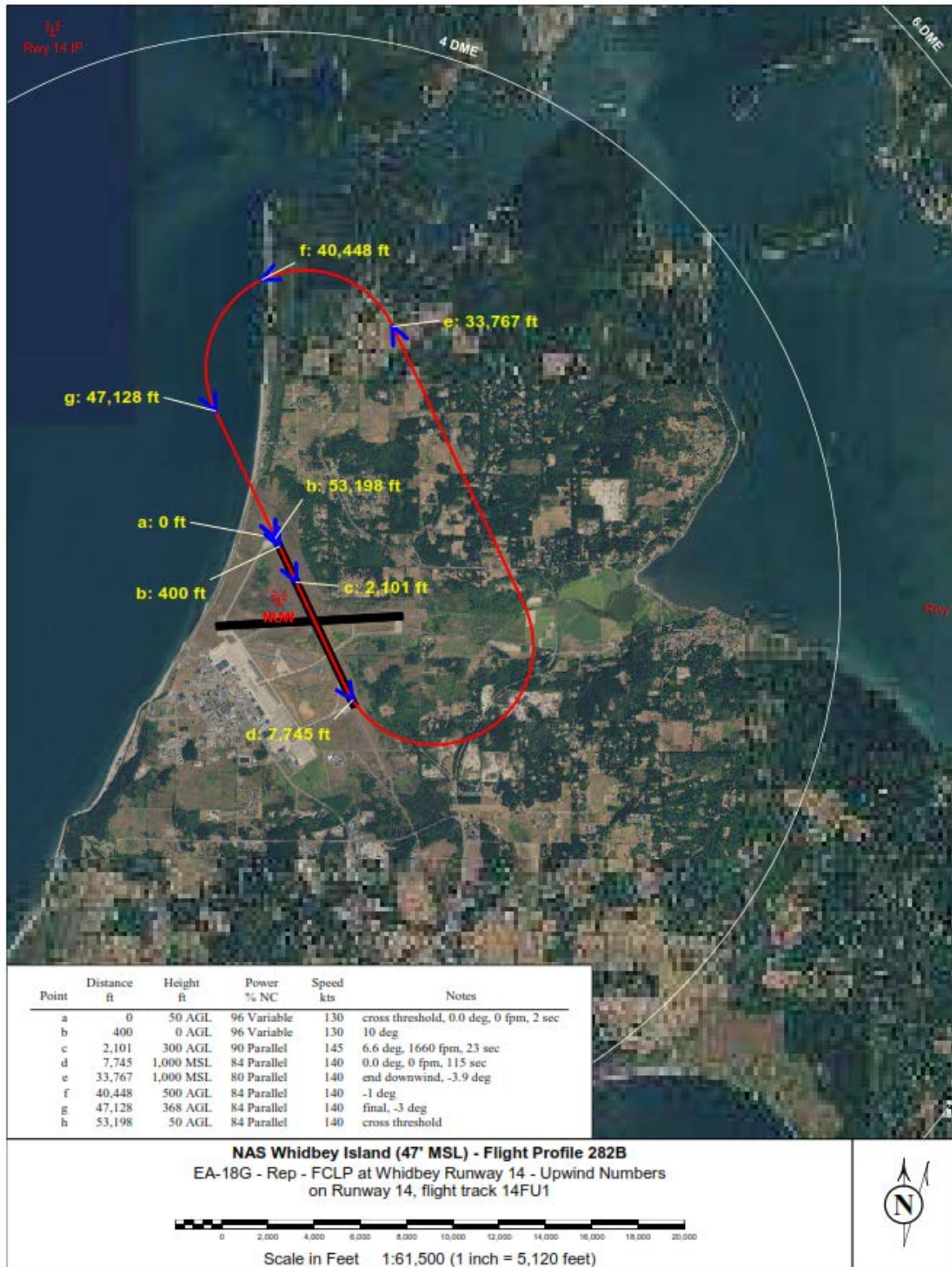


Figure A5-13 EA-18G FCLP Flight Profile at Ault Field Runway 14

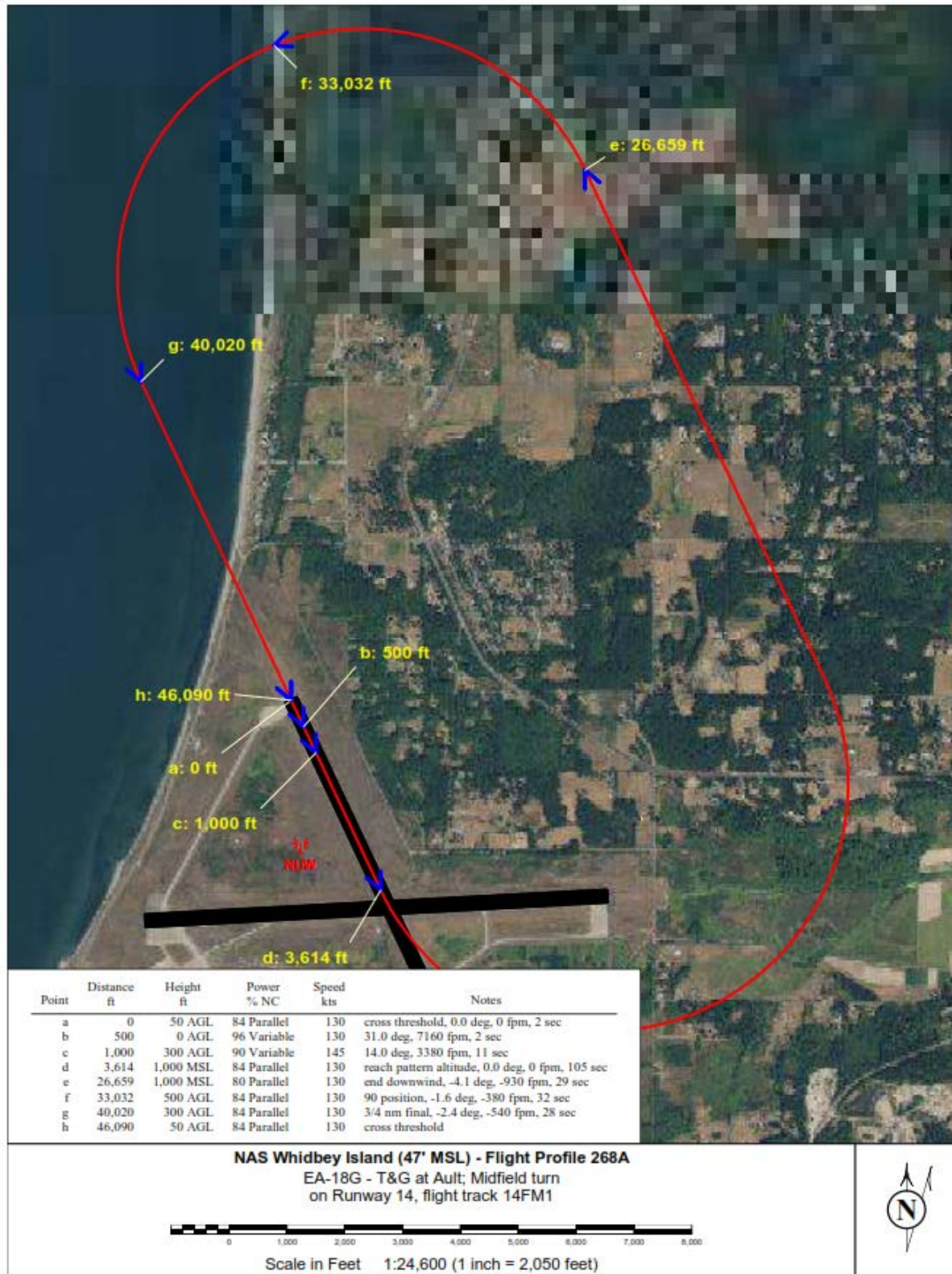


Figure A5-14 EA-18G Touch-and-Go Flight Profile at Ault Field Runway 14

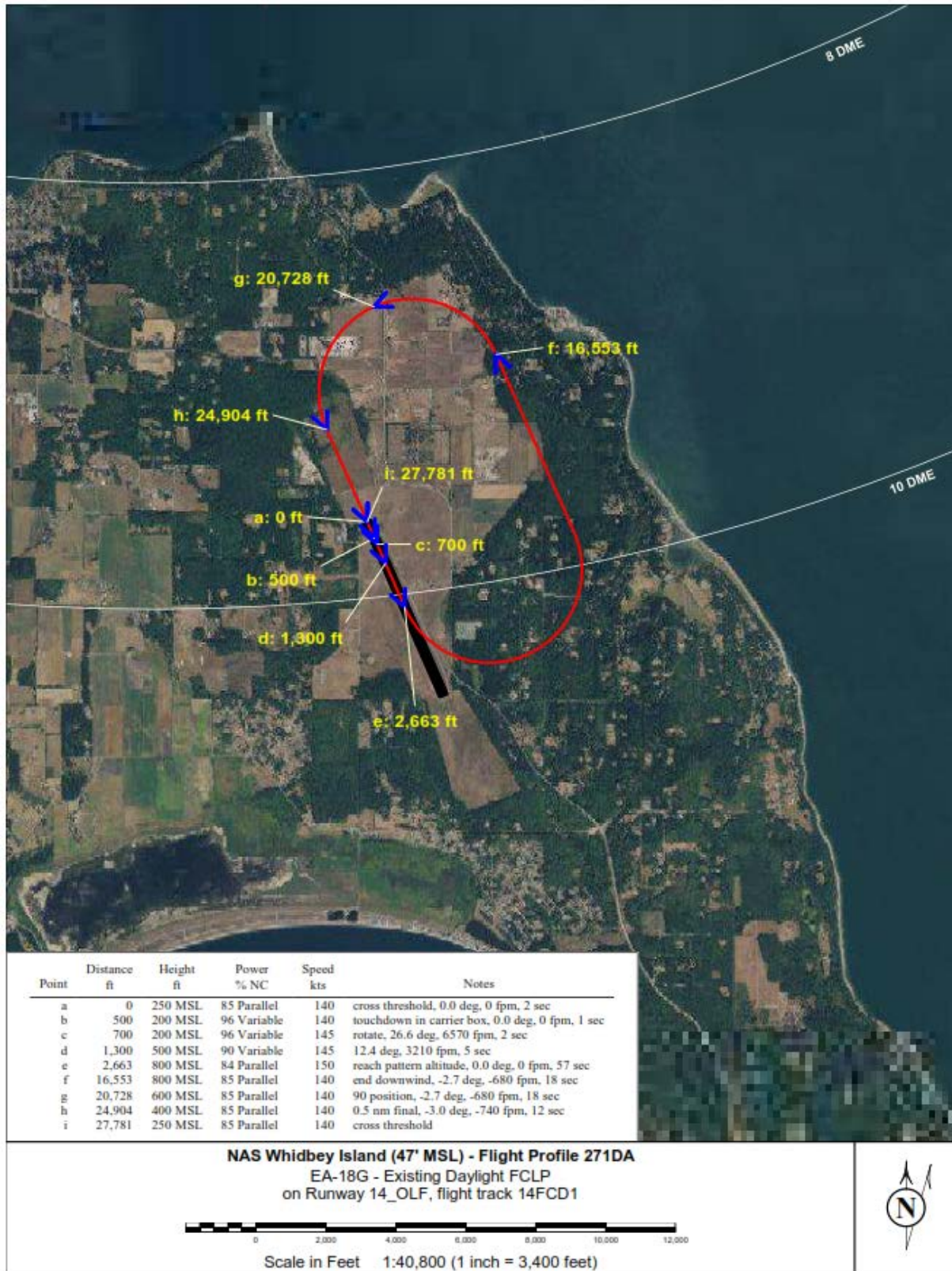


Figure A5-15 EA-18G Existing FCLP Flight Profile at OLF Coupeville Runway 14 during Daylight

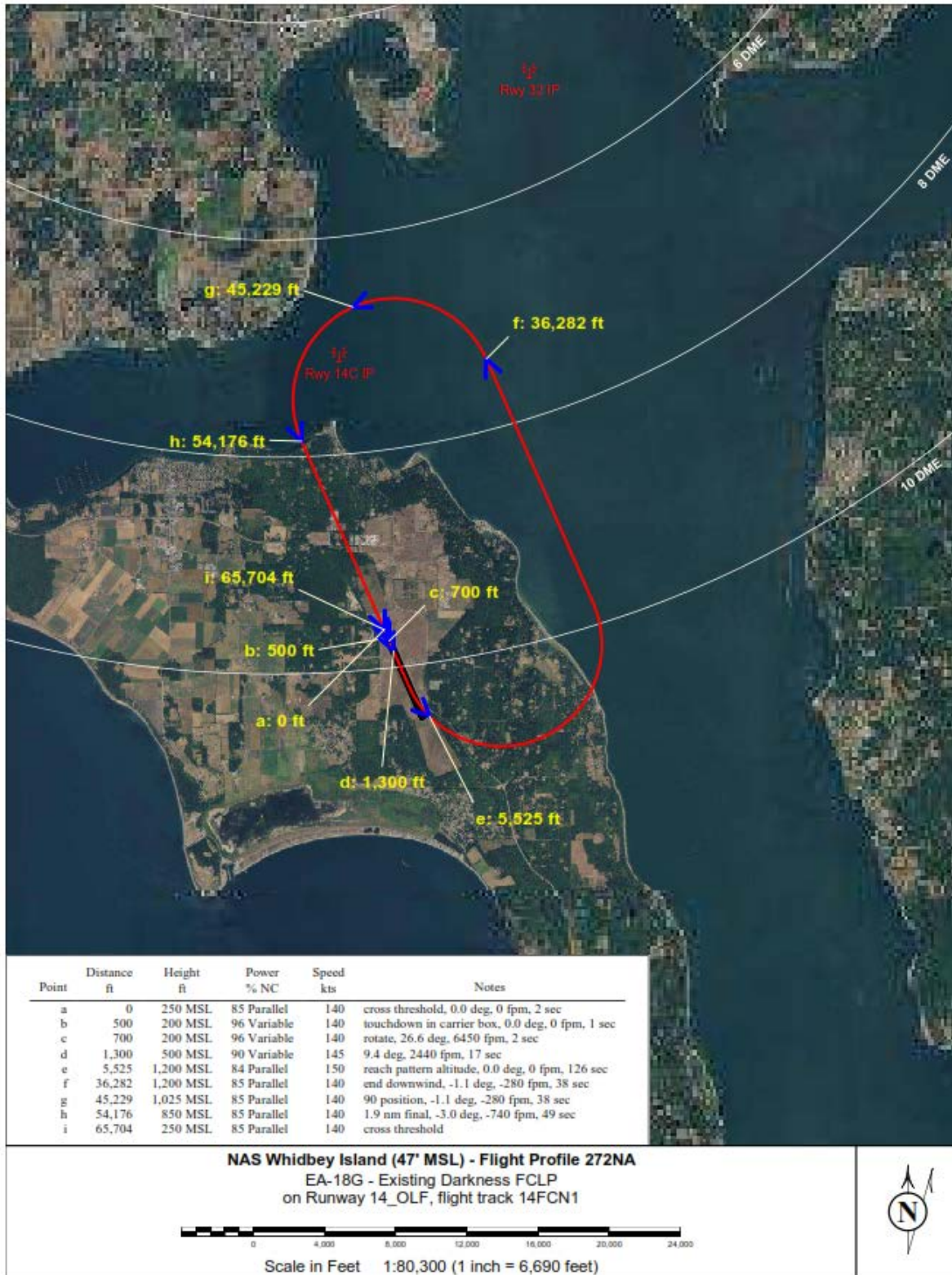


Figure A5-16 EA-18G Existing FCLP Flight Profile at OLF Coupeville Runway 14 during Darkness

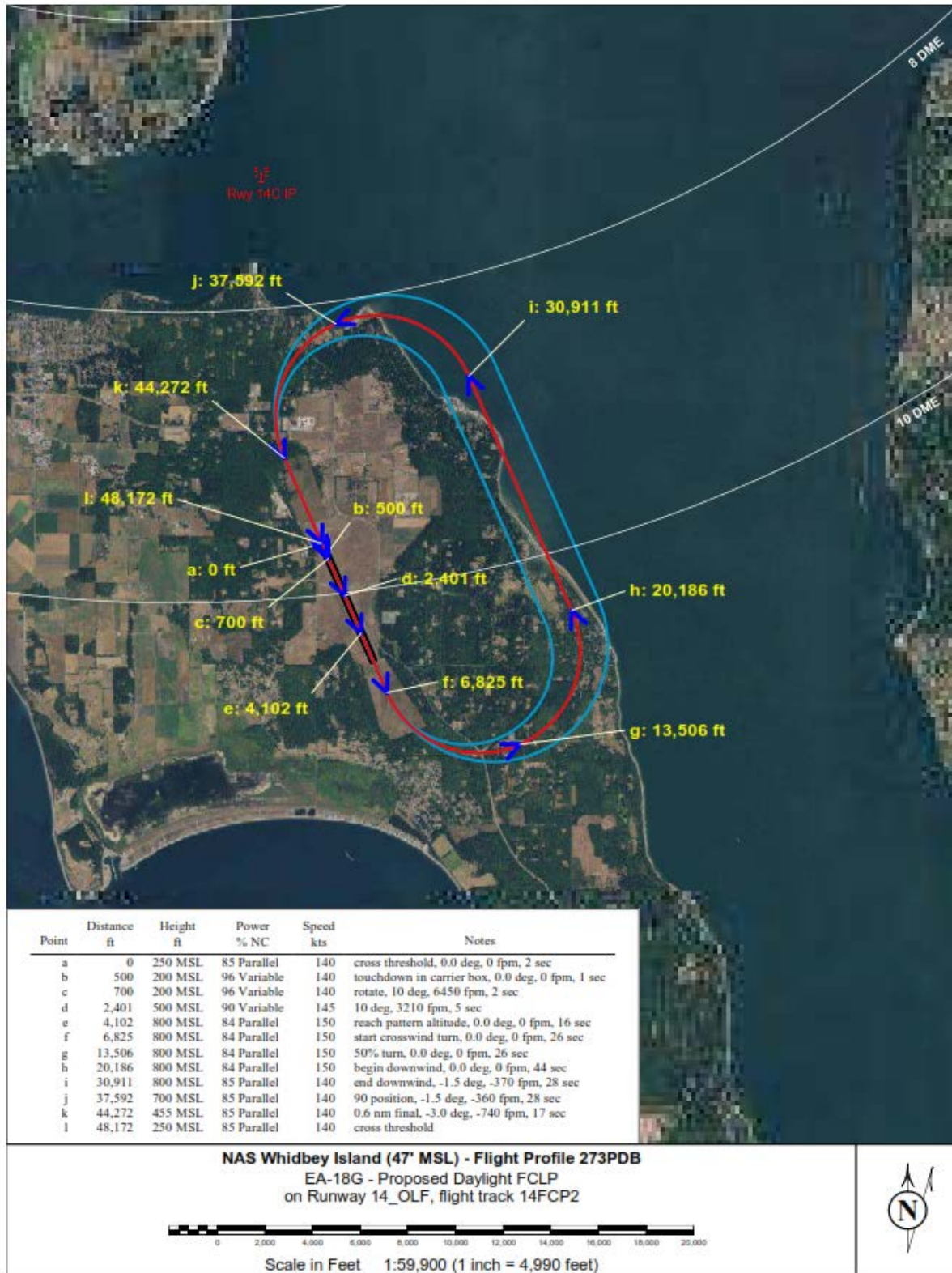


Figure A5-17 EA-18G Proposed FCLP Flight Profile at OLF Coupeville Runway 14

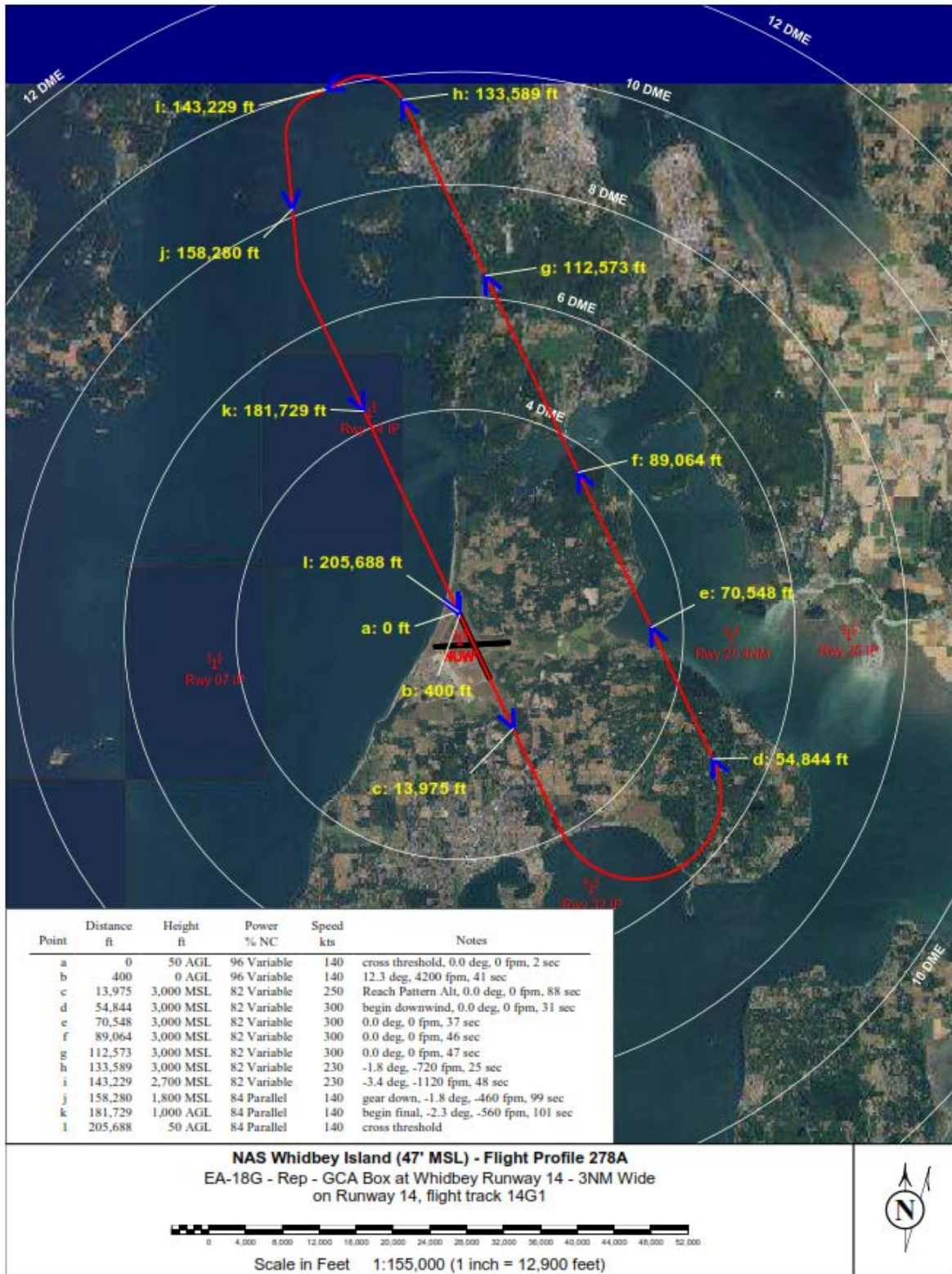


Figure A5-18 EA-18G GCA Box Flight Profile at Ault Field Runway 14

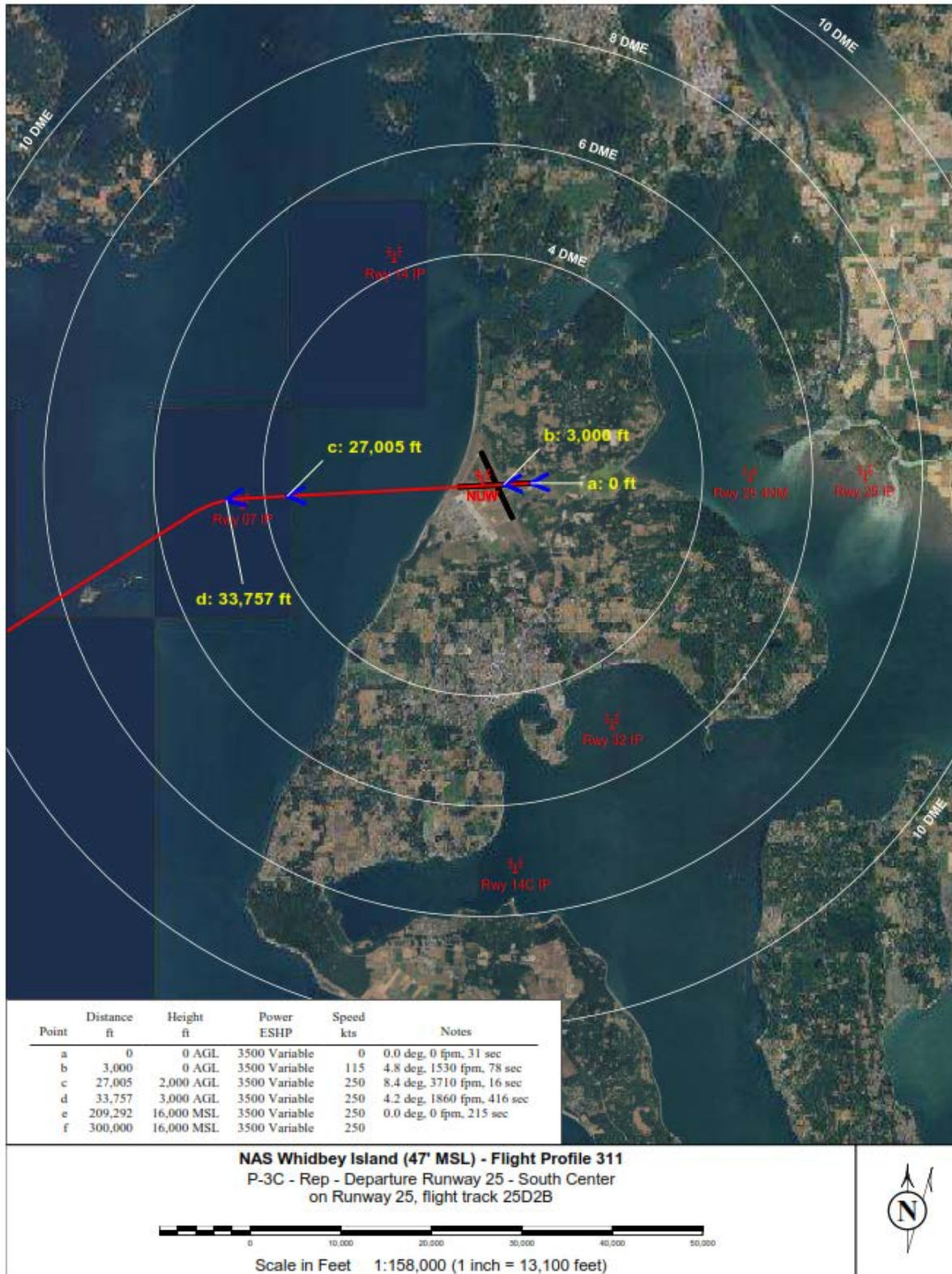


Figure A5-19 P-3C Departure Flight Profile at Ault Field Runway 25

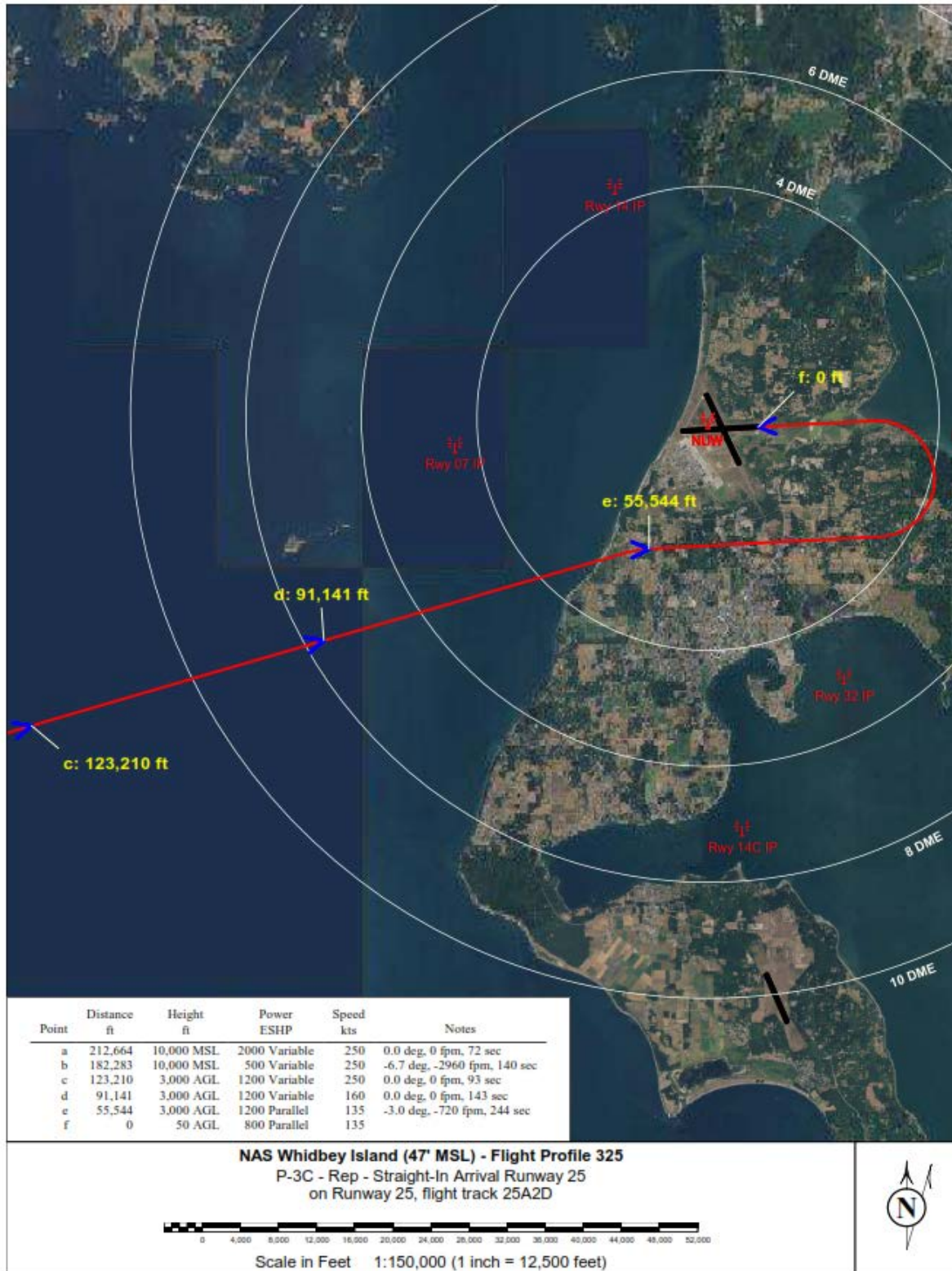


Figure A5-20 P-3C Straight-in Arrival Flight Profile at Ault Field Runway 25 (Shorter Final)

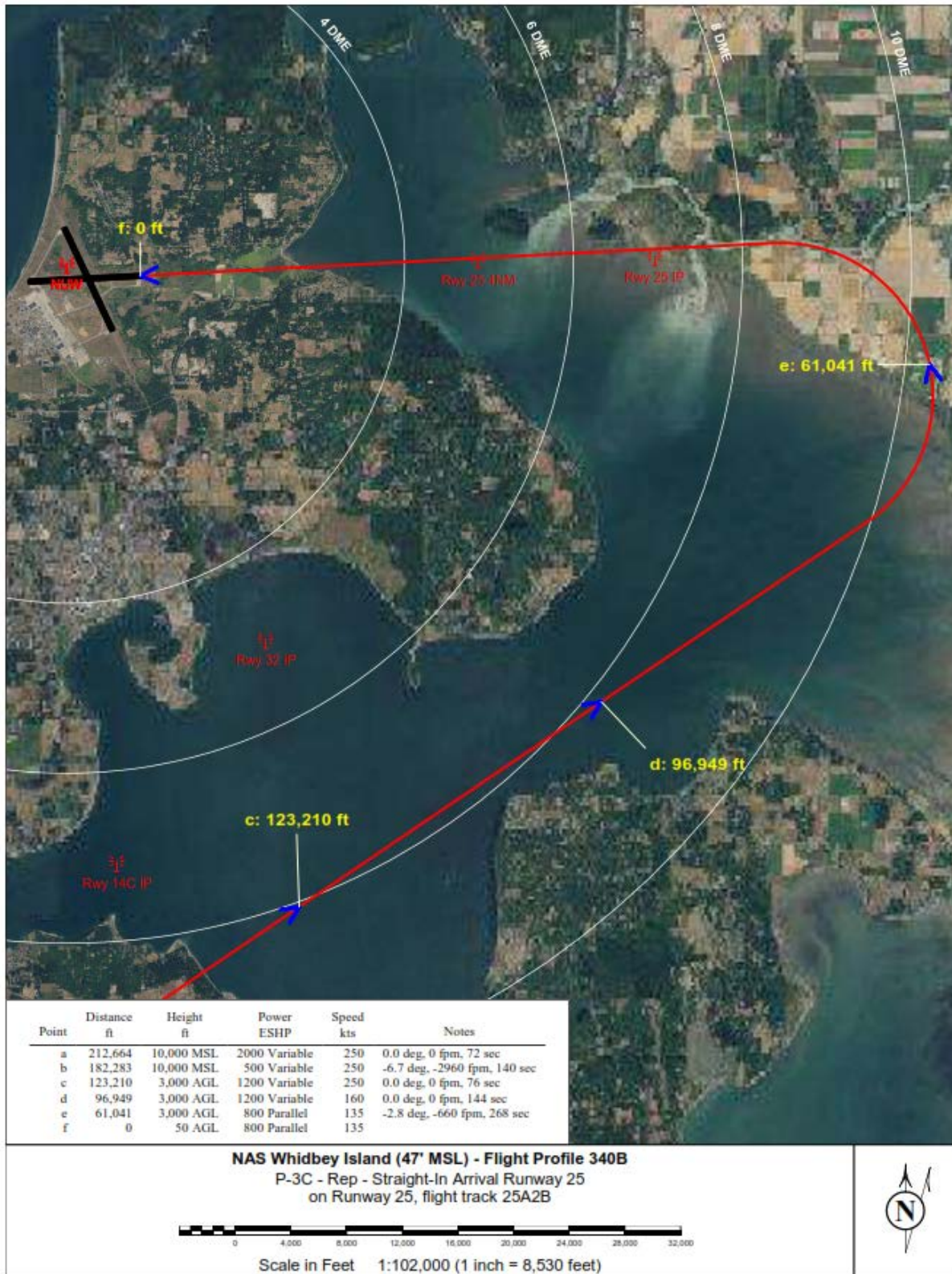


Figure A5-21 P-3C Straight-in Arrival Flight Profile at Ault Field Runway 25 (Longer Final)

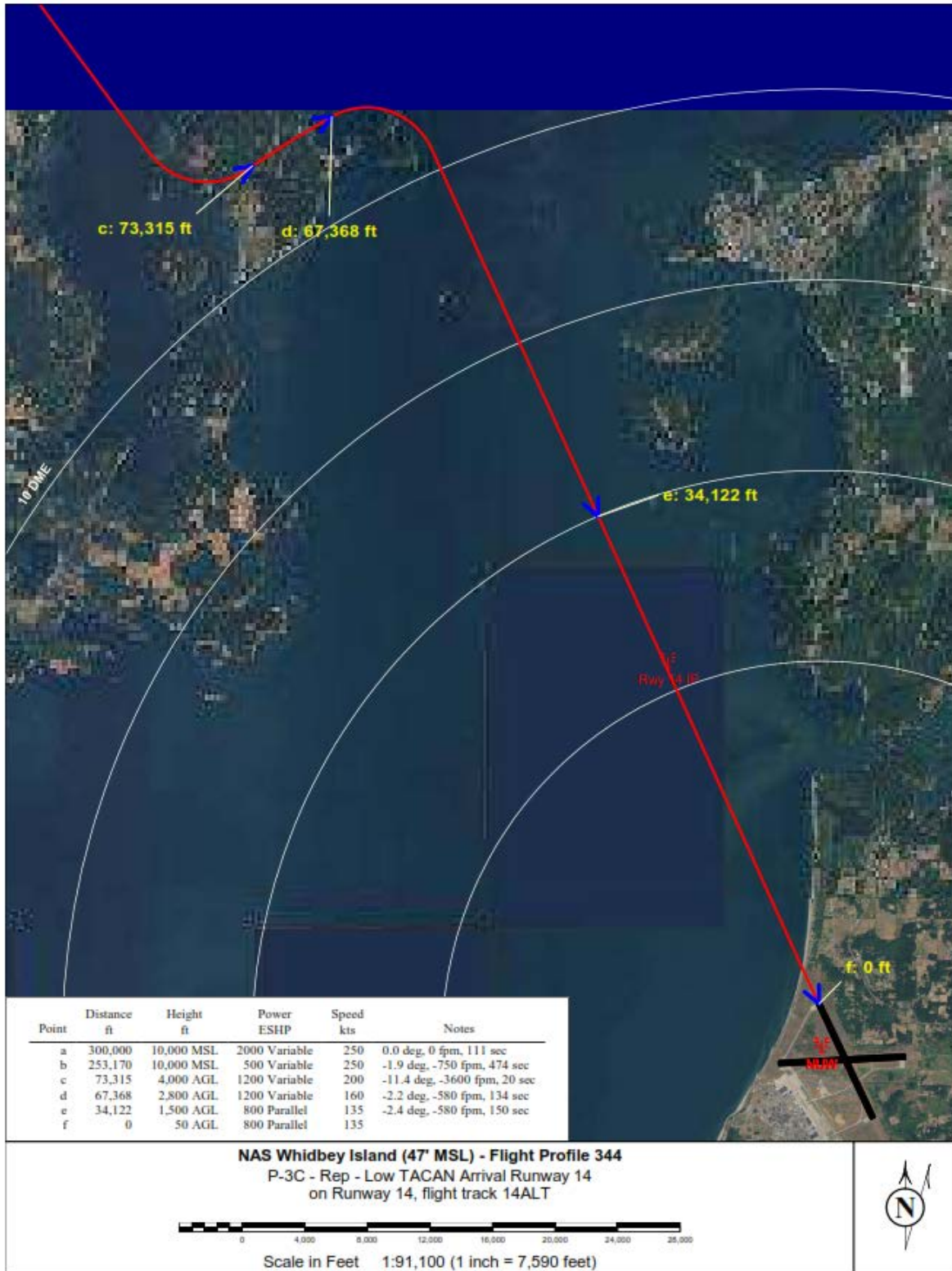


Figure A5-22 P-3C Low TACAN Arrival Flight Profile at Ault Field Runway 14

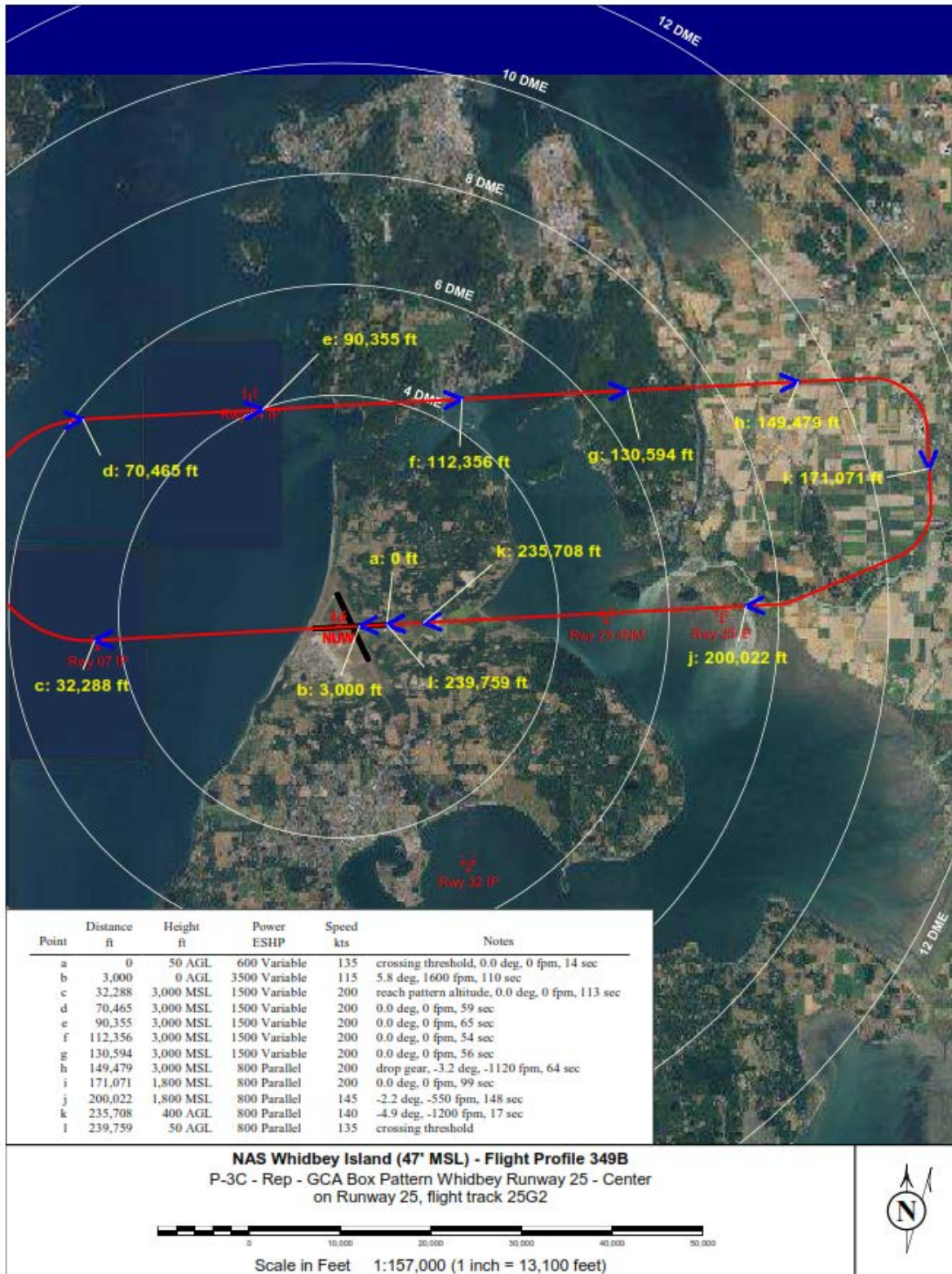


Figure A5-23 P-3C GCA Box Pattern Flight Profile at Ault Field Runway 25

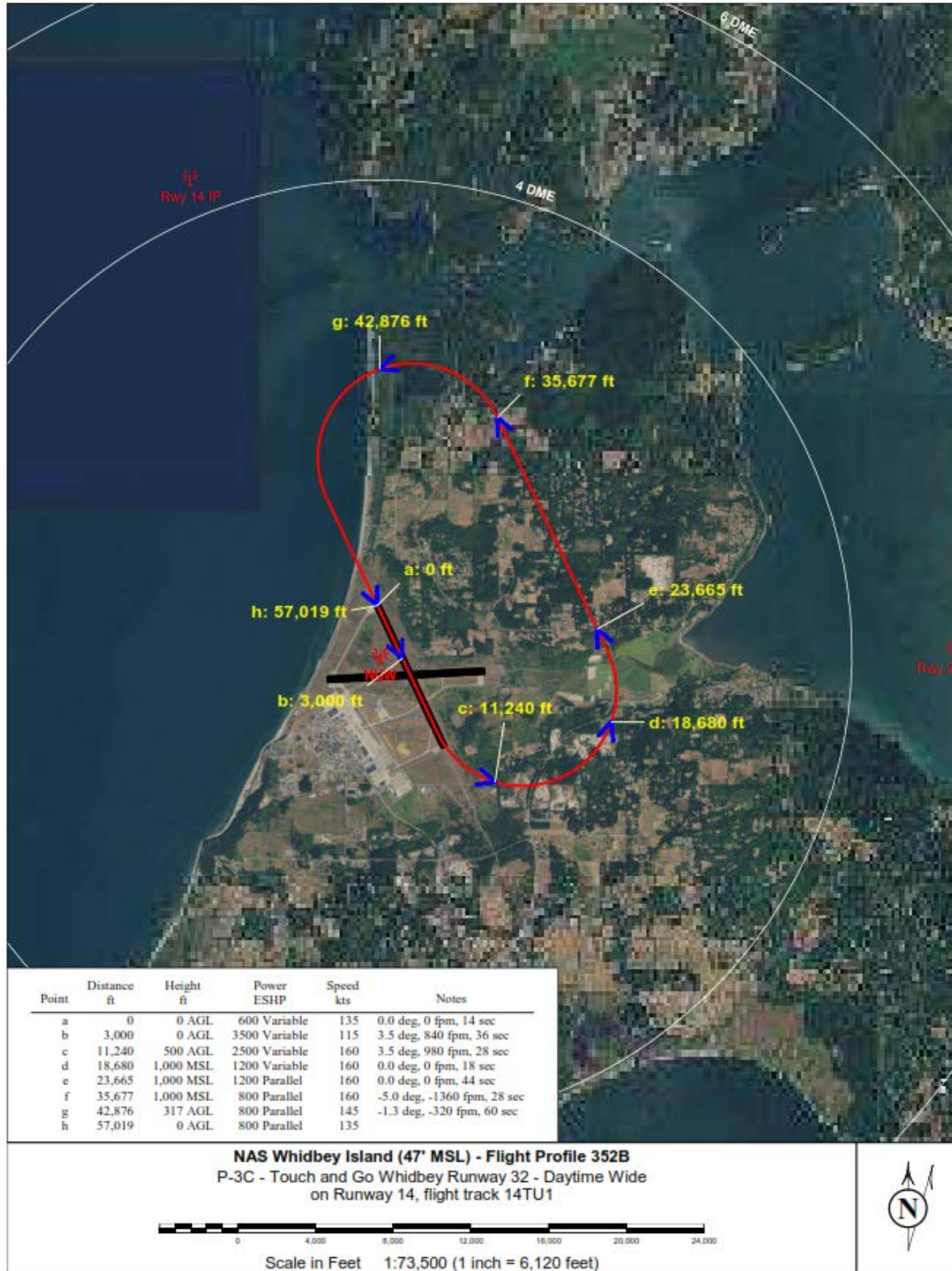


Figure A5-24 P-3C Touch-and-Go Pattern Flight Profile at Ault Field Runway 32

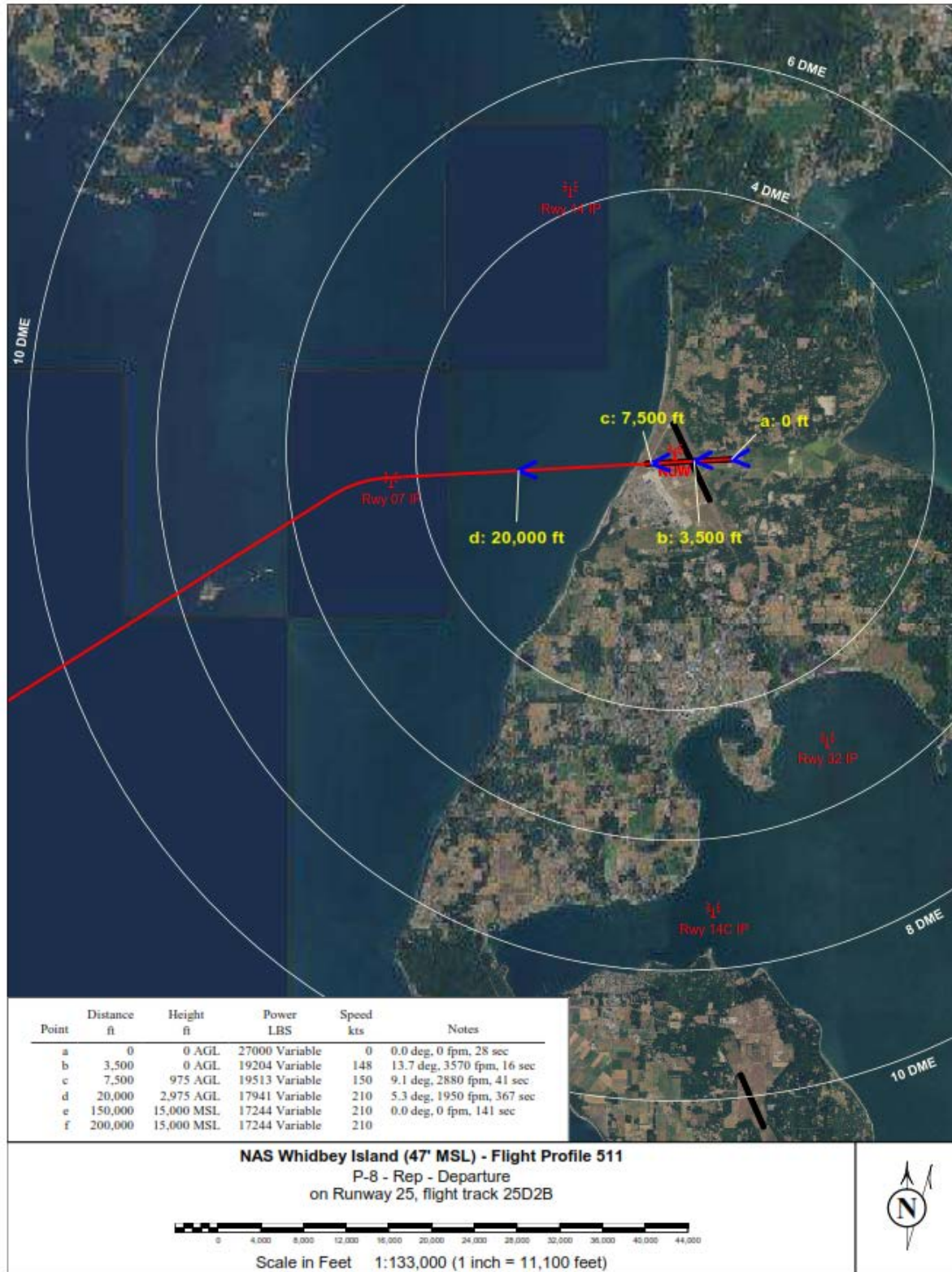


Figure A5-25 P-8A Departure Flight Profile at Ault Field Runway 25

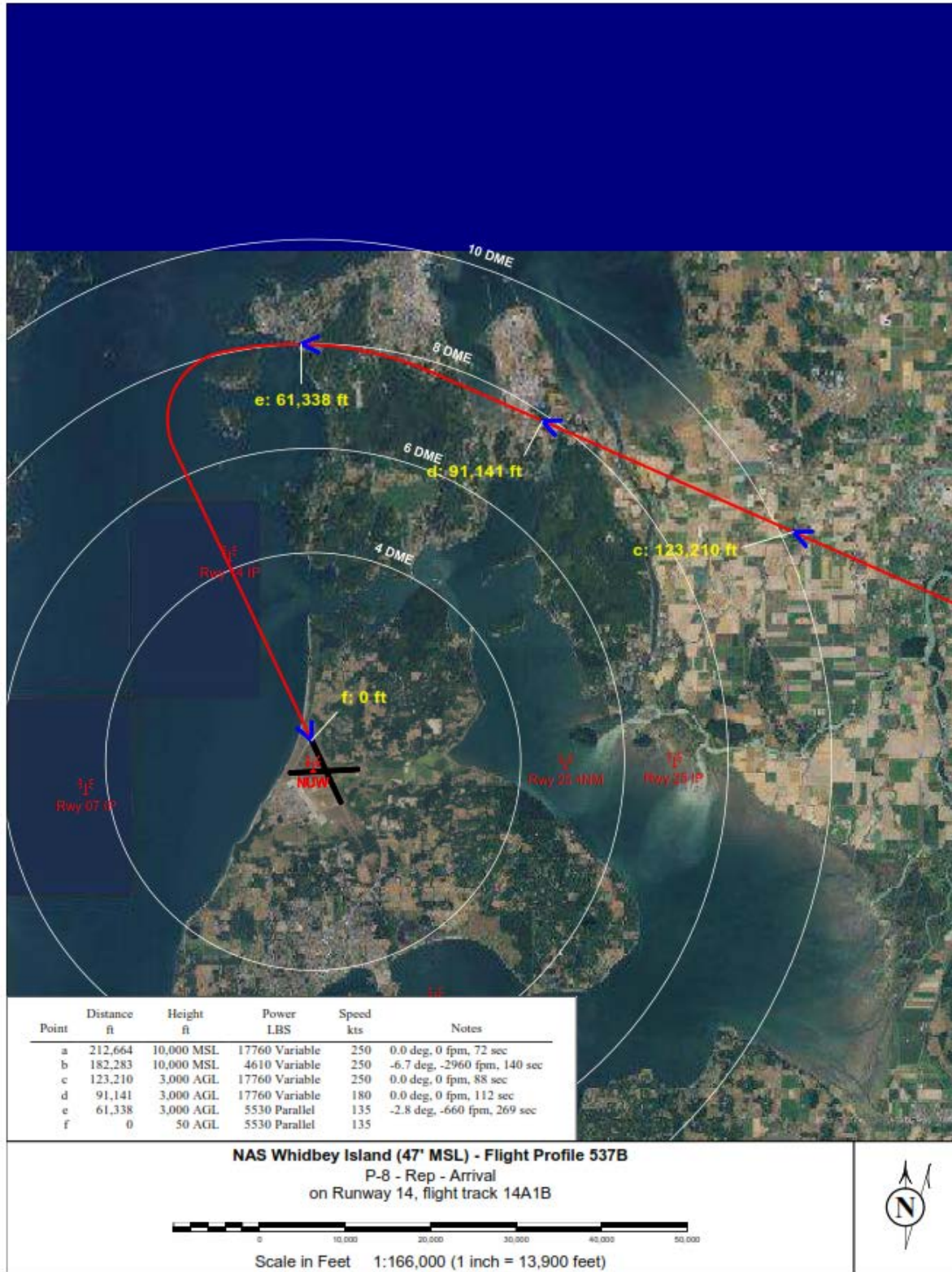


Figure A5-26 P-8A Straight-in Arrival Flight Profile at Ault Field Runway 14

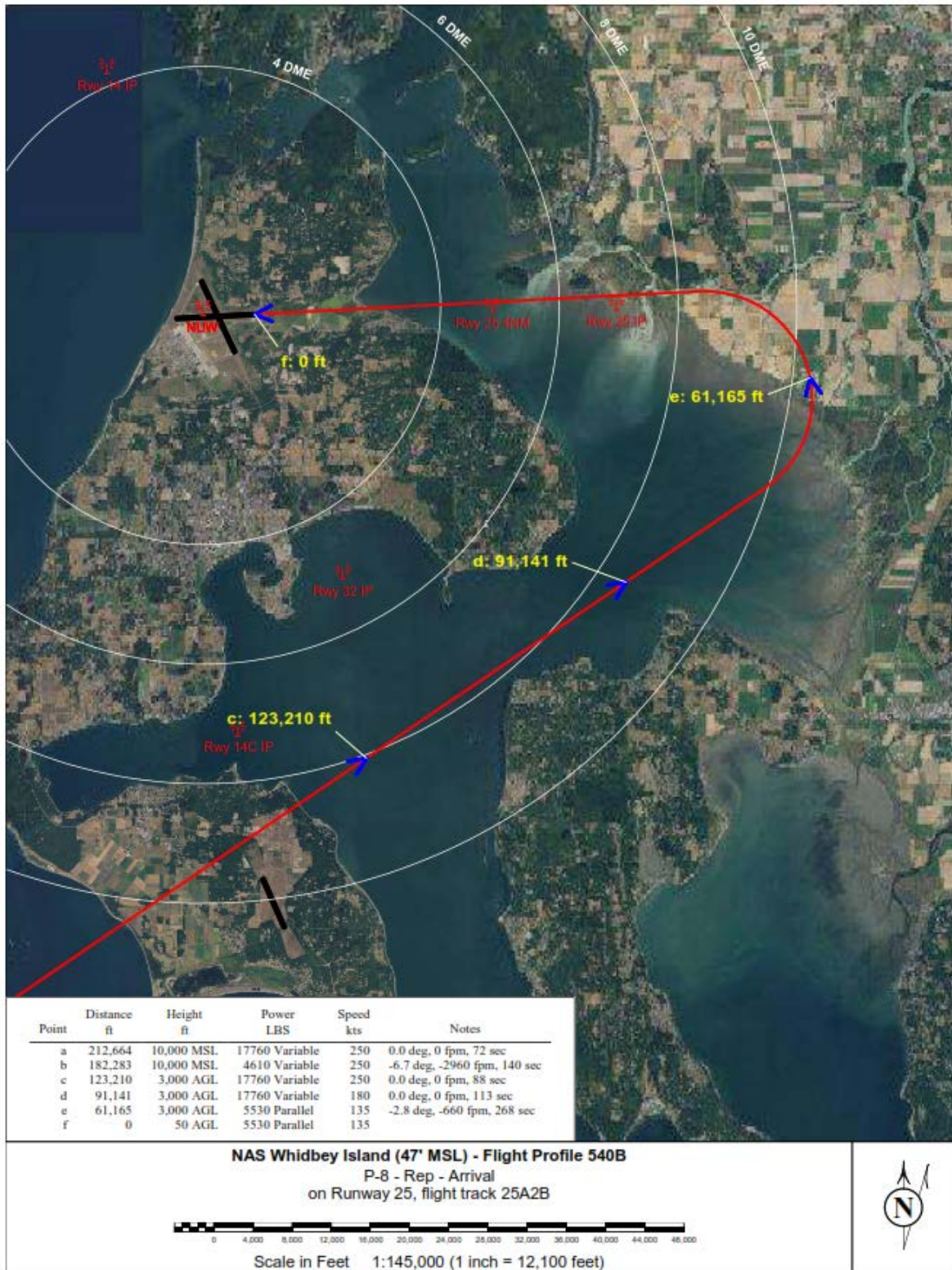


Figure A5-27 P-8A Straight-in Arrival Flight Profile at Ault Field Runway 25 (Longer Final)

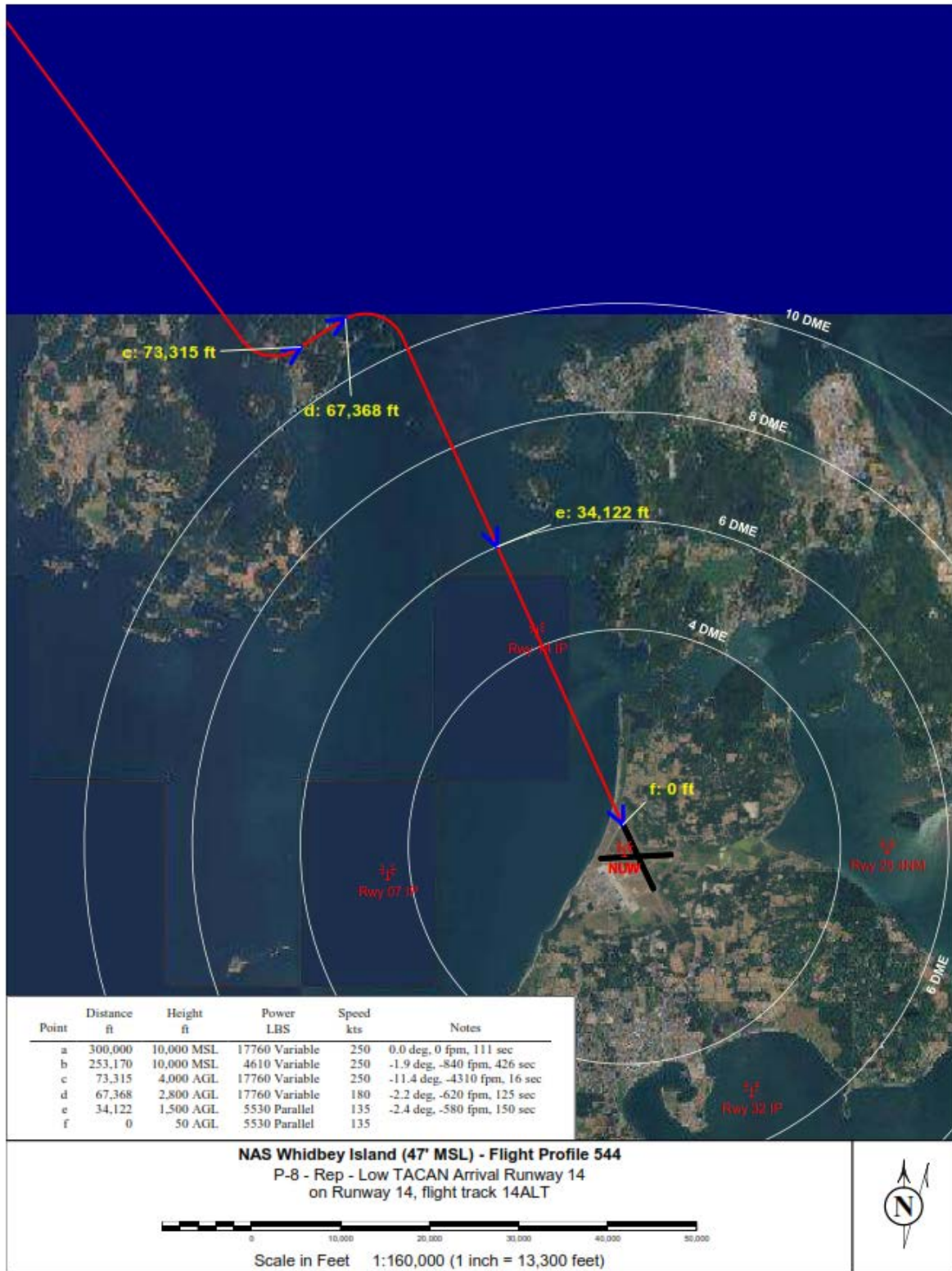


Figure A5-28 P-8A Low TACAN Arrival Flight Profile at Ault Field Runway 14

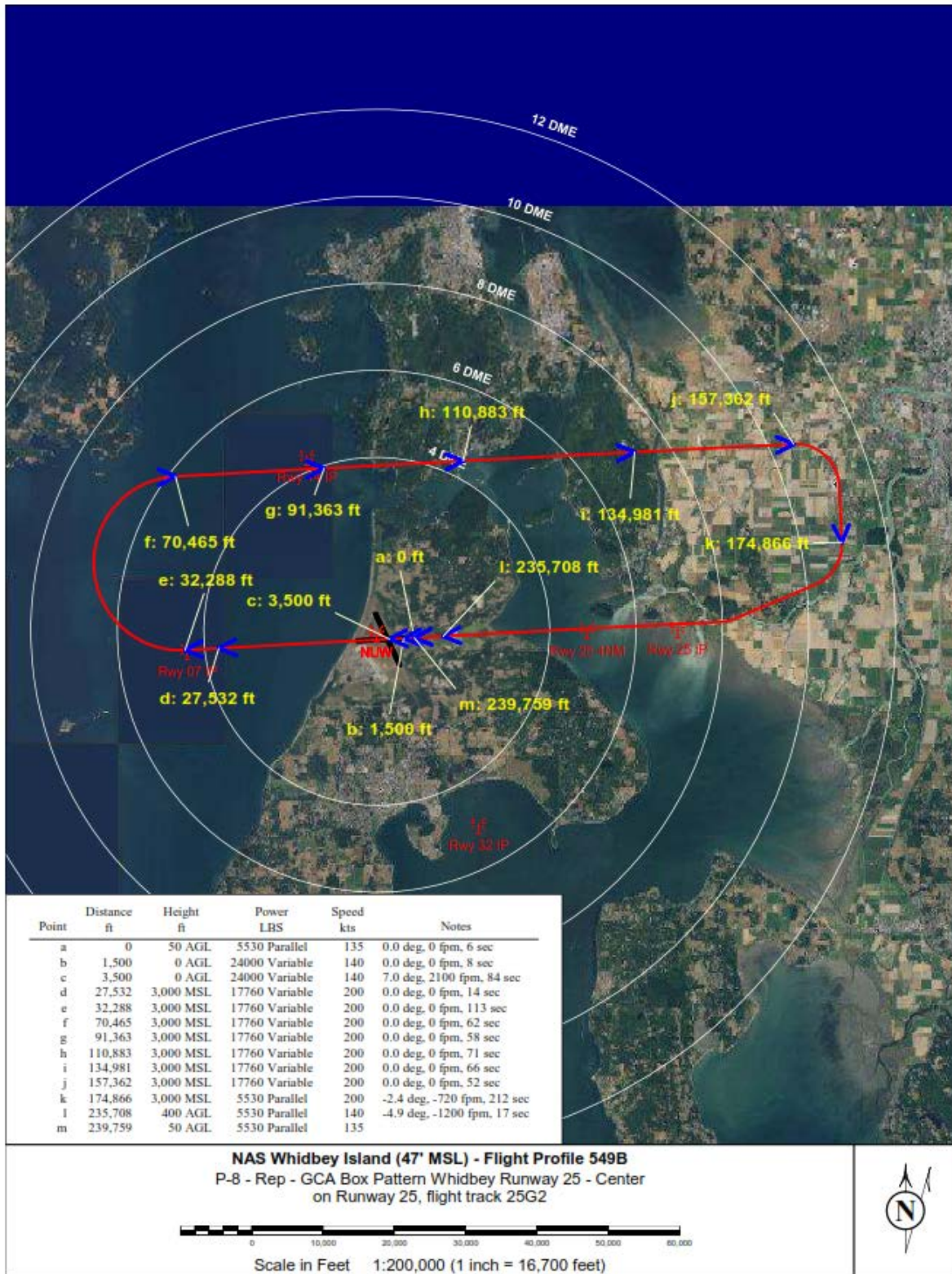


Figure A5-29 P-8A GCA Box Pattern Flight Profile at Ault Field Runway 25

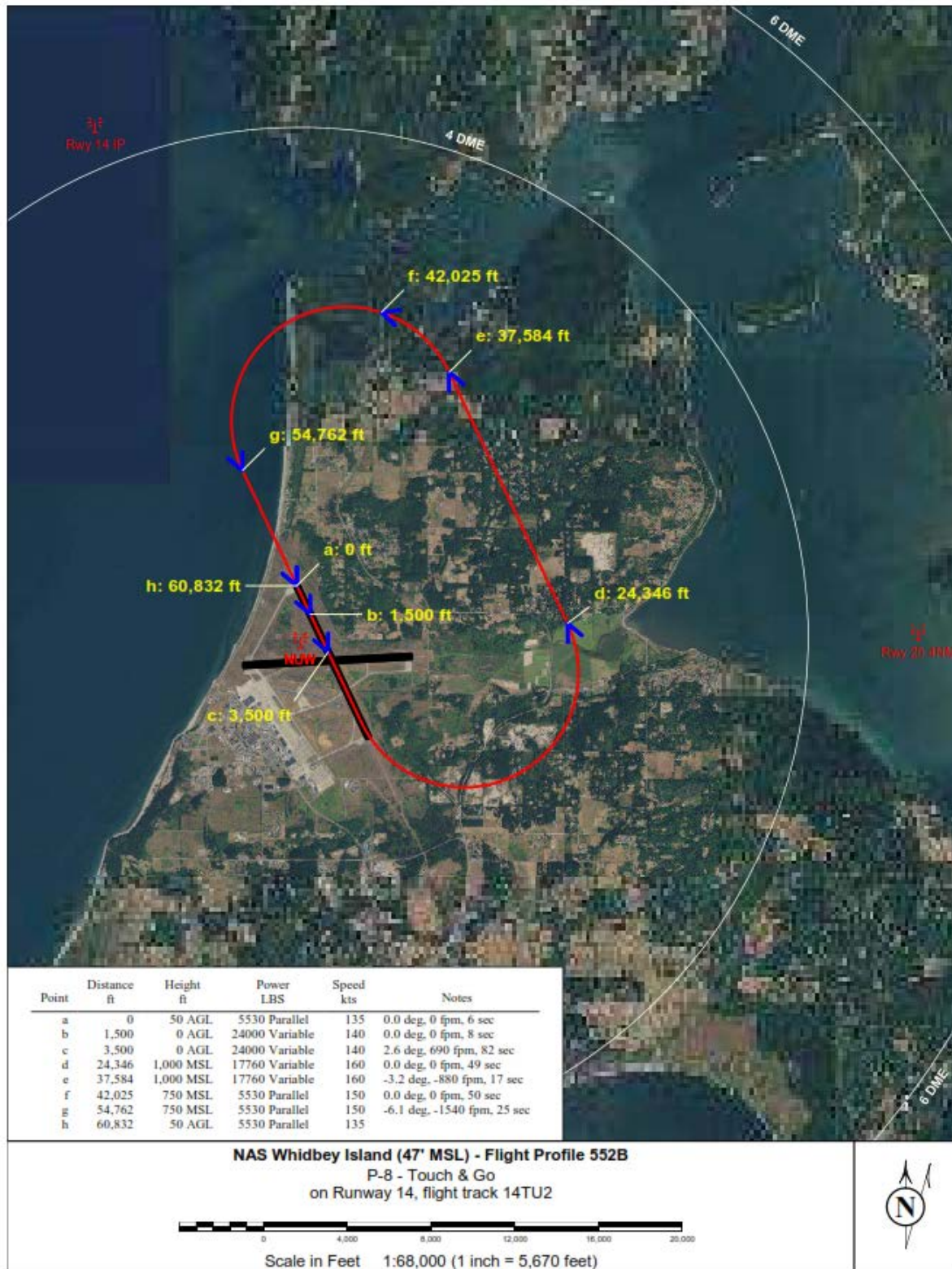


Figure A5-30 P-8A Touch-and-Go Pattern Flight Profile at Ault Field Runway 14

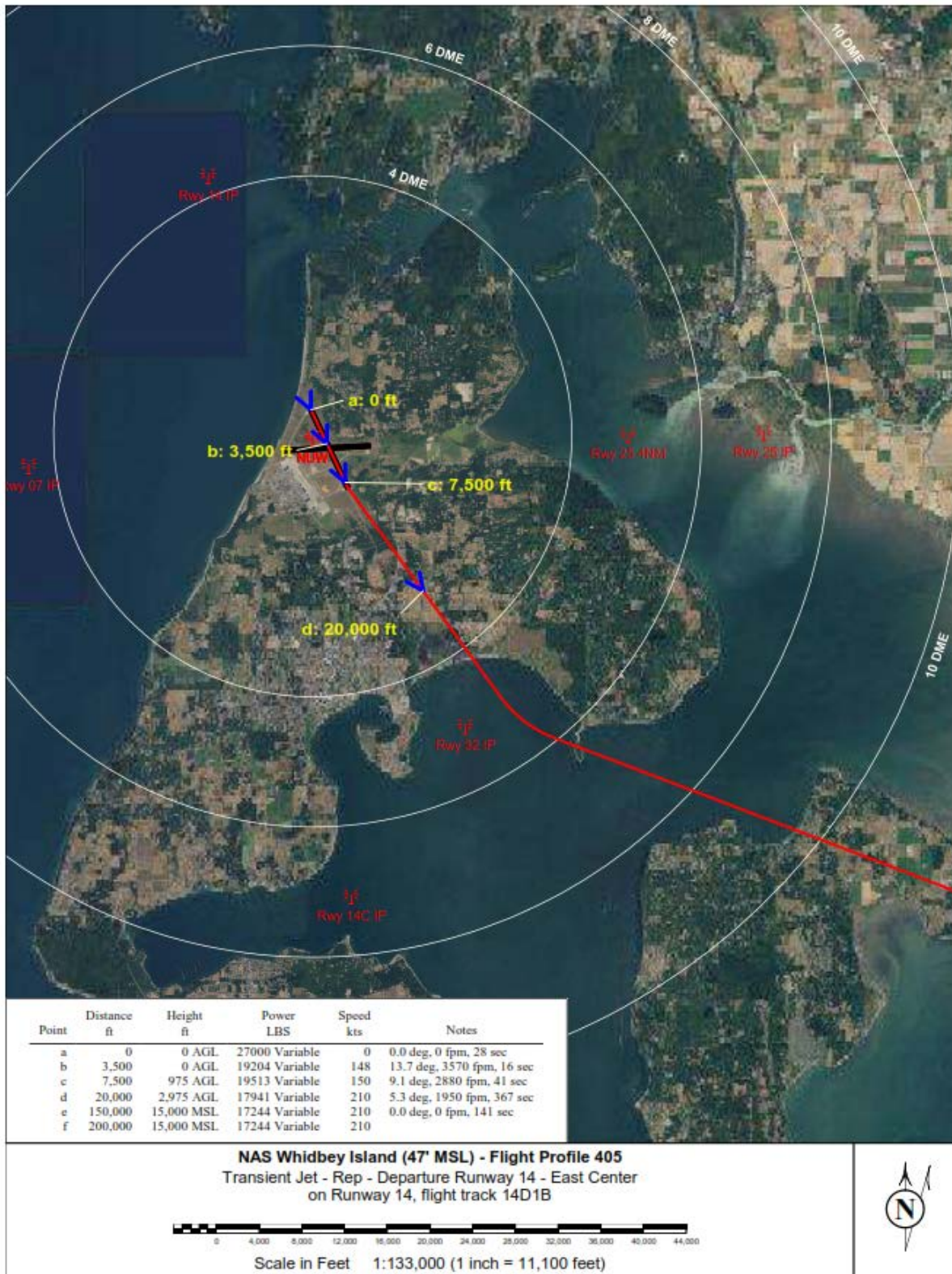


Figure A5-31 Transient Large Jet Departure Flight Profile at Ault Field Runway 14

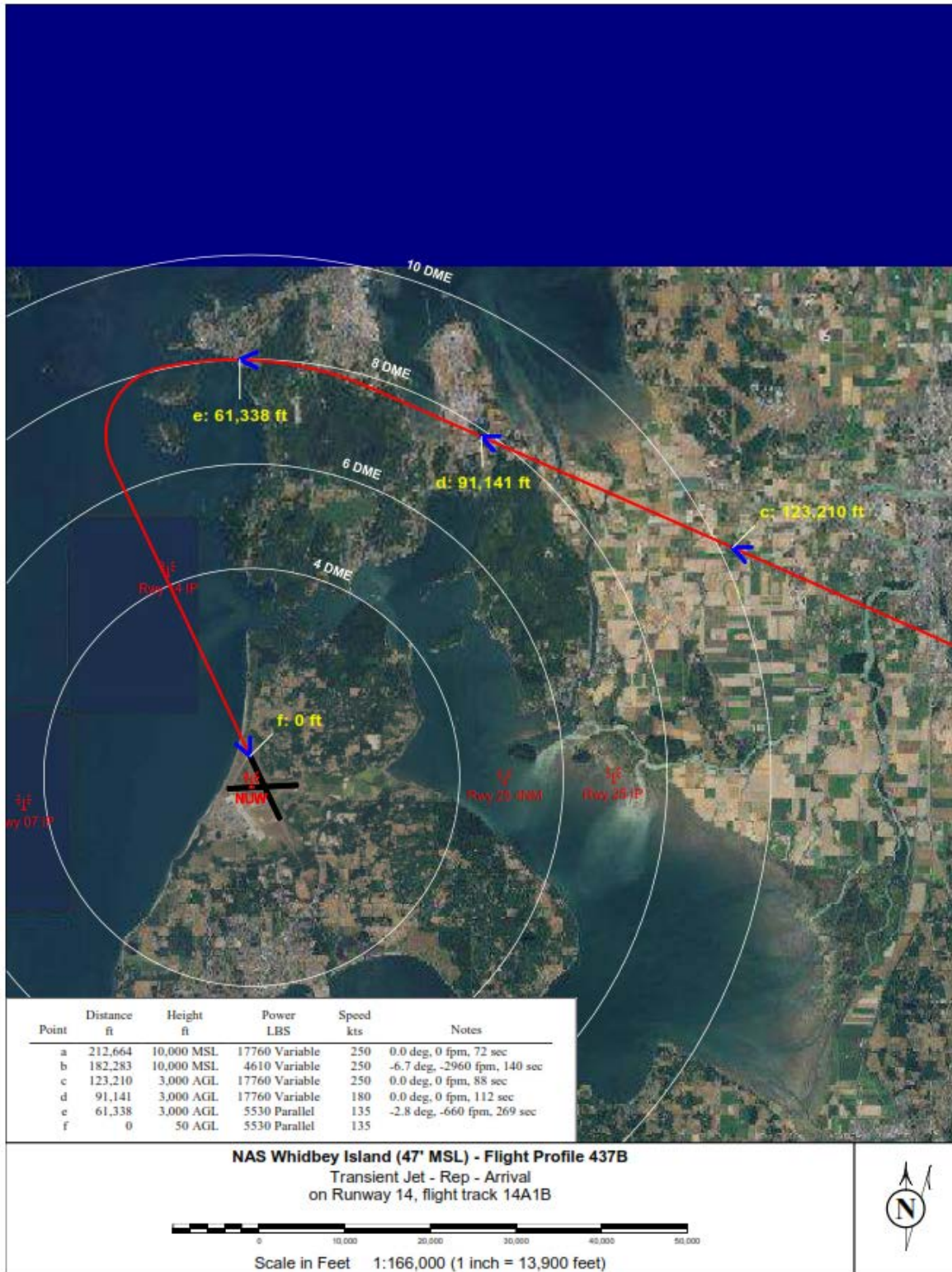


Figure A5-32 Transient Large Jet Straight-in Arrival Flight Profile at Ault Field Runway 14

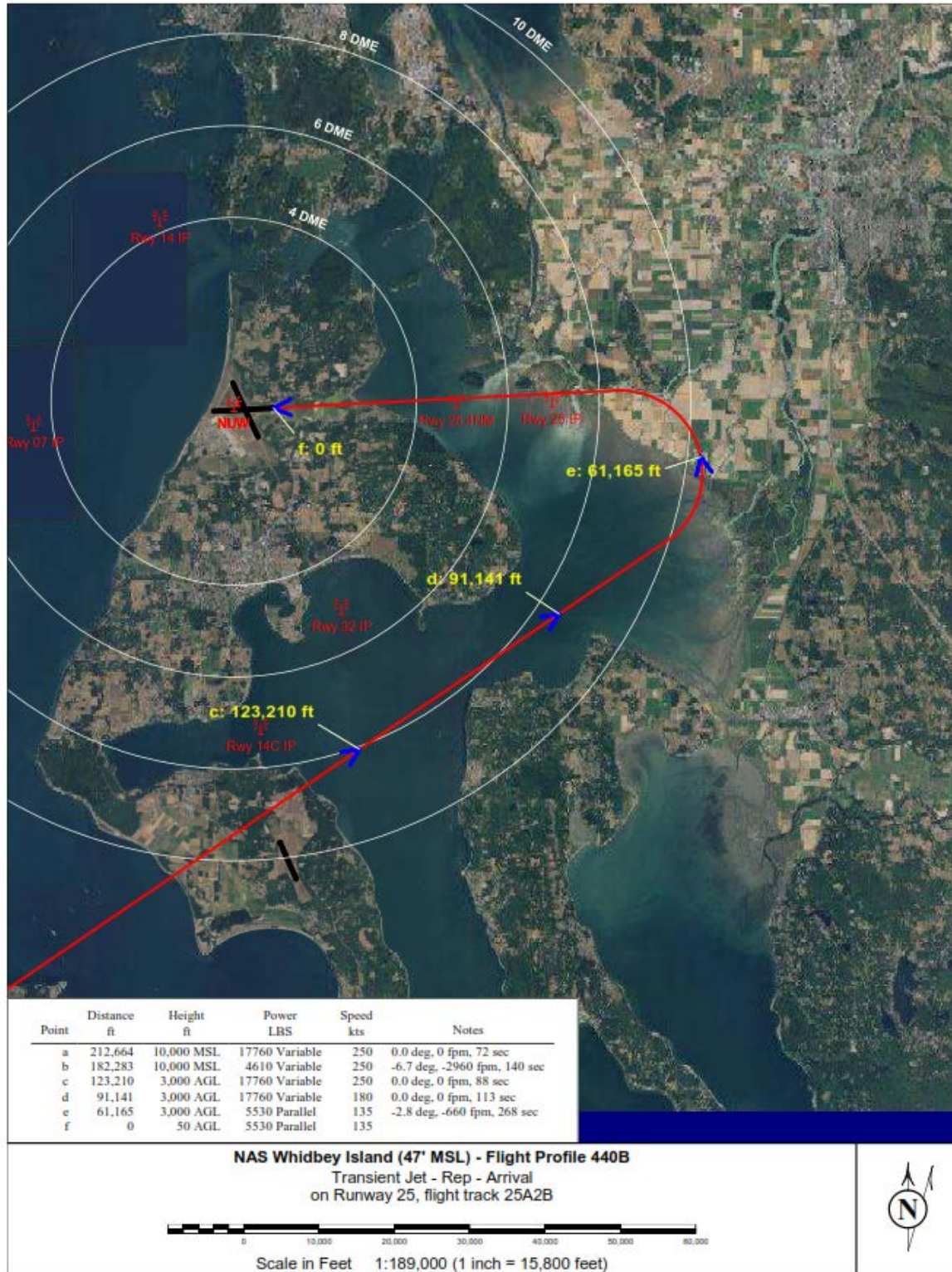


Figure A5-33 Transient Large Jet Straight-in Arrival Flight Profile at Ault Field Runway 25 (Longer Final)

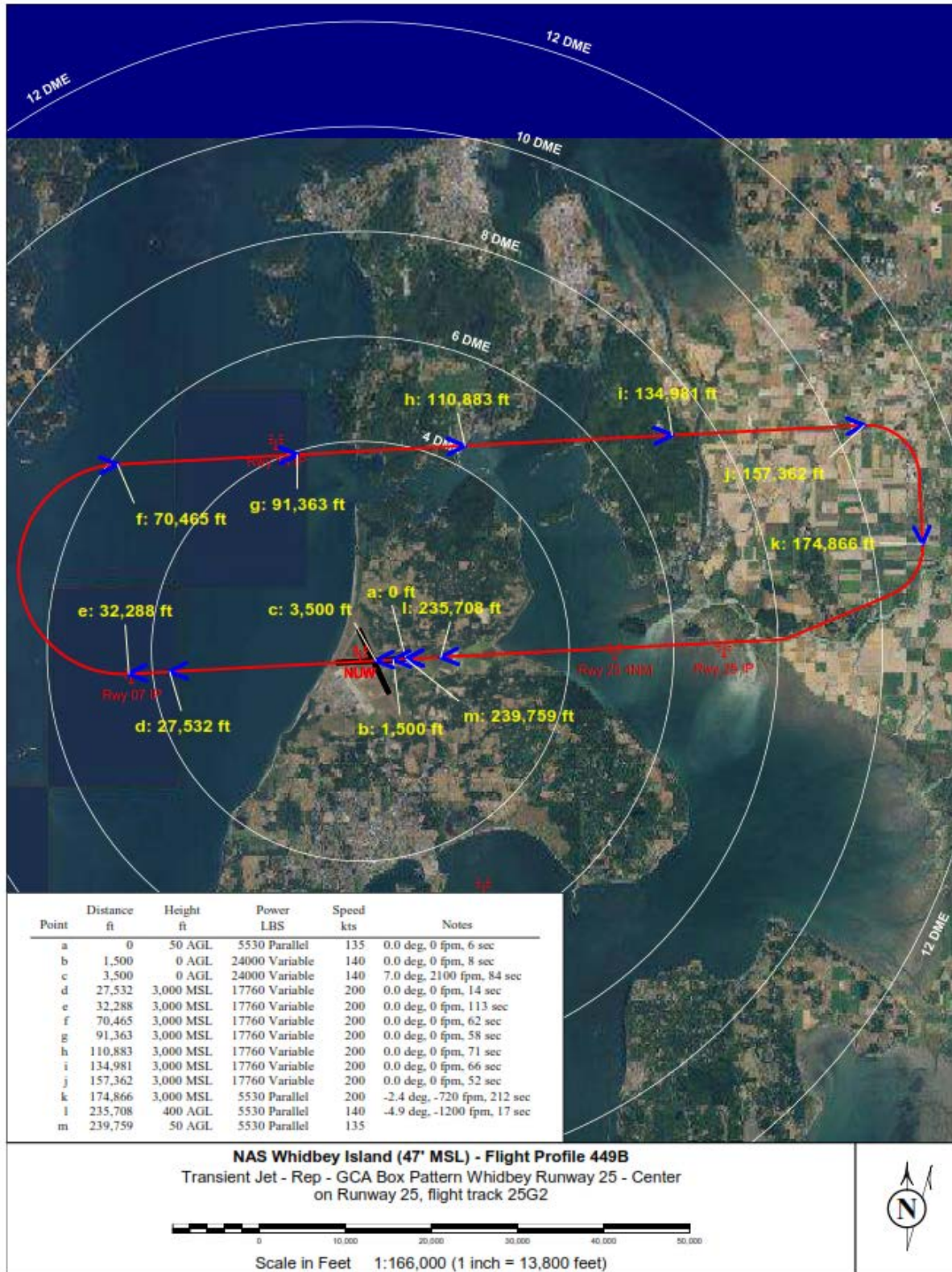


Figure A5-34 Transient Large Jet GCA Box Pattern Profile at Ault Field Runway 25

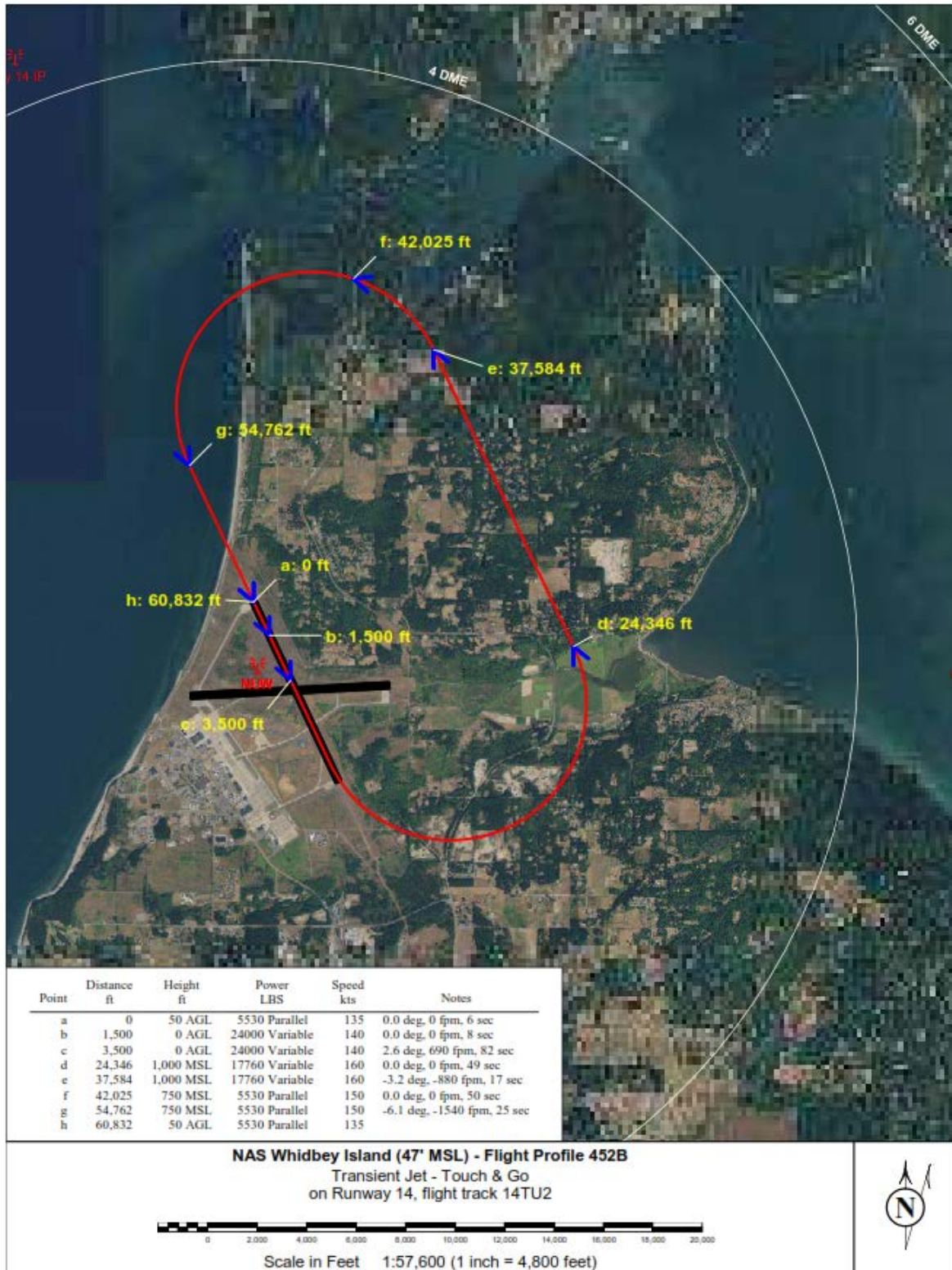


Figure A5-35 Transient Large Jet Touch-and-Go Pattern Flight Profile at Ault Field Runway 14

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