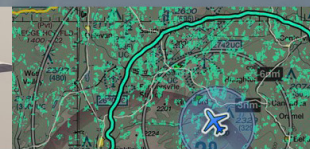


THE END IS NIAGARA?



SCENARIO

The engine just threw a metaphorical wrench into your honeymoon plans while in hard IMC. It's not dead, but it's no longer healthy. The nearest airport has the worst consequences if its health declines. But the better ones require it hanging in until you get closer. Where will you go?

CHOICES

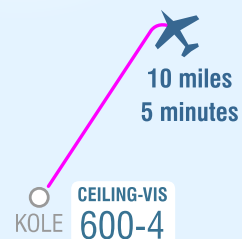
CHOICE 1

Join the RNAV (GPS) Rwy 22 approach at Cattaraugus County (KOLE).



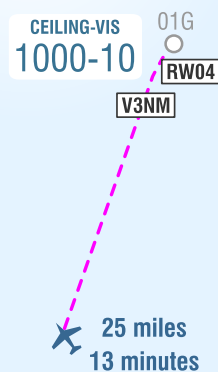
CHOICE 2

Go direct to the airport at Cattaraugus County (KOLE).



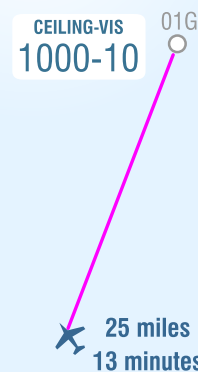
CHOICE 3

Load and join the Garmin Visual Approach to Runway 4 at Perry-Warsaw (01G).



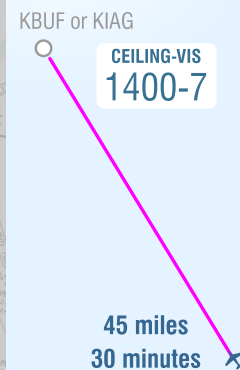
CHOICE 4

Go direct to Perry-Warsaw (01G).

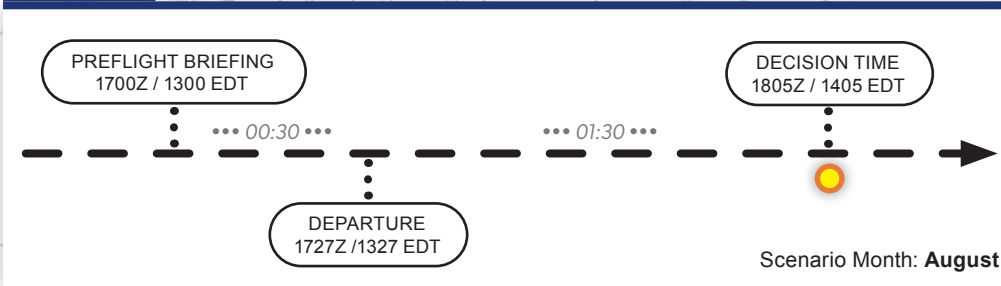


CHOICE 5

Stay on your current course toward Buffalo (KBUF) and Niagara (KIAG) at 8000'. Decide on an approach strategy when you get there.



Timeline



Flight Planning Information

Aircraft Van's RV-14	Estimated Flight Time (hh:mm) 01:07	
Cruise Altitude 8000 feet	Fuel on Board (hh:mm) 05:20	
Cruise Speed 170 KTS	Number Aboard 2	
Departure KSEG	Destination KIAG	Alternate
Route Direct		

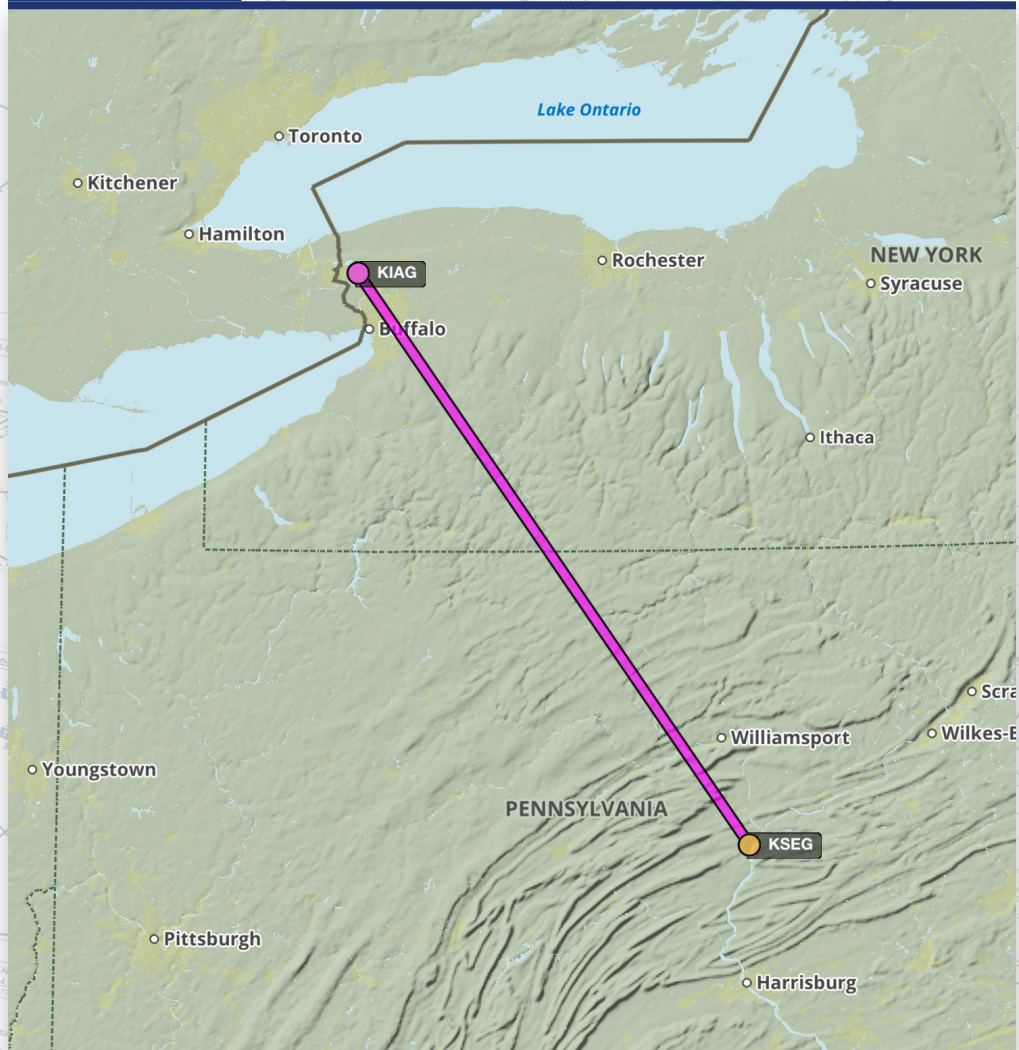
Pilot Experience

Total Time: 1344 hours
Time in Type: 202 hours
Actual Instrument: 92.1 hours
Instrument rated, Commercial

Bonus Resources

For additional resources, visit the IFR Mastery Hangar for this scenario.

Scenario Area



METARs and TAFs (Preflight)

Departure

KSEG 141653Z AUTO 0000KT 10SM BKN034 OVC043 19/14 A2984

Enroute

KIPT 141654Z 27007KT 10SM OVC034 19/12 A2982

TAF AMD KIPT 141426Z 1414/1512 27009KT P6SM BKN035 OVC070
FM141600 29010G17KT P6SM OVC035
FM150700 28008G15KT P6SM BKN035=

N38 141655Z AUTO 31007KT 8SM OVC022 16/14 A2980

KELM TAF - 34 nm NE of N38

TAF KELM 141527Z 1415/1512 27006KT P6SM -SHRA SCT030 OVC040
TEMPO 1415/1418 5SM -SHRA BR FEW015 BKN030
FM141800 28007KT

KELZ 141656Z AUTO 30009KT 10SM BKN008 OVC011 15/14 A2983
RMK AO2 RAB12E41 CIG 005V010 \$=

KOLE 141615Z AUTO 31003KT 10SM OVC008 14/13 A2982

KBFD TAF - 29 nm SW of KOLE

TAF AMD KBFD 141424Z 1414/1512 27007G17KT 6SM -SHRA OVC009
FM141800 30012G22KT 6SM -SHRA OVC010
FM150700 32008KT P6SM BKN005=

KBUF 141654Z 30008KT 5SM -RA BR BKN008 OVC013 16/14 A2985

TAF KBUF 141225Z 1412/1512 25012KT P6SM BKN015 OVC020

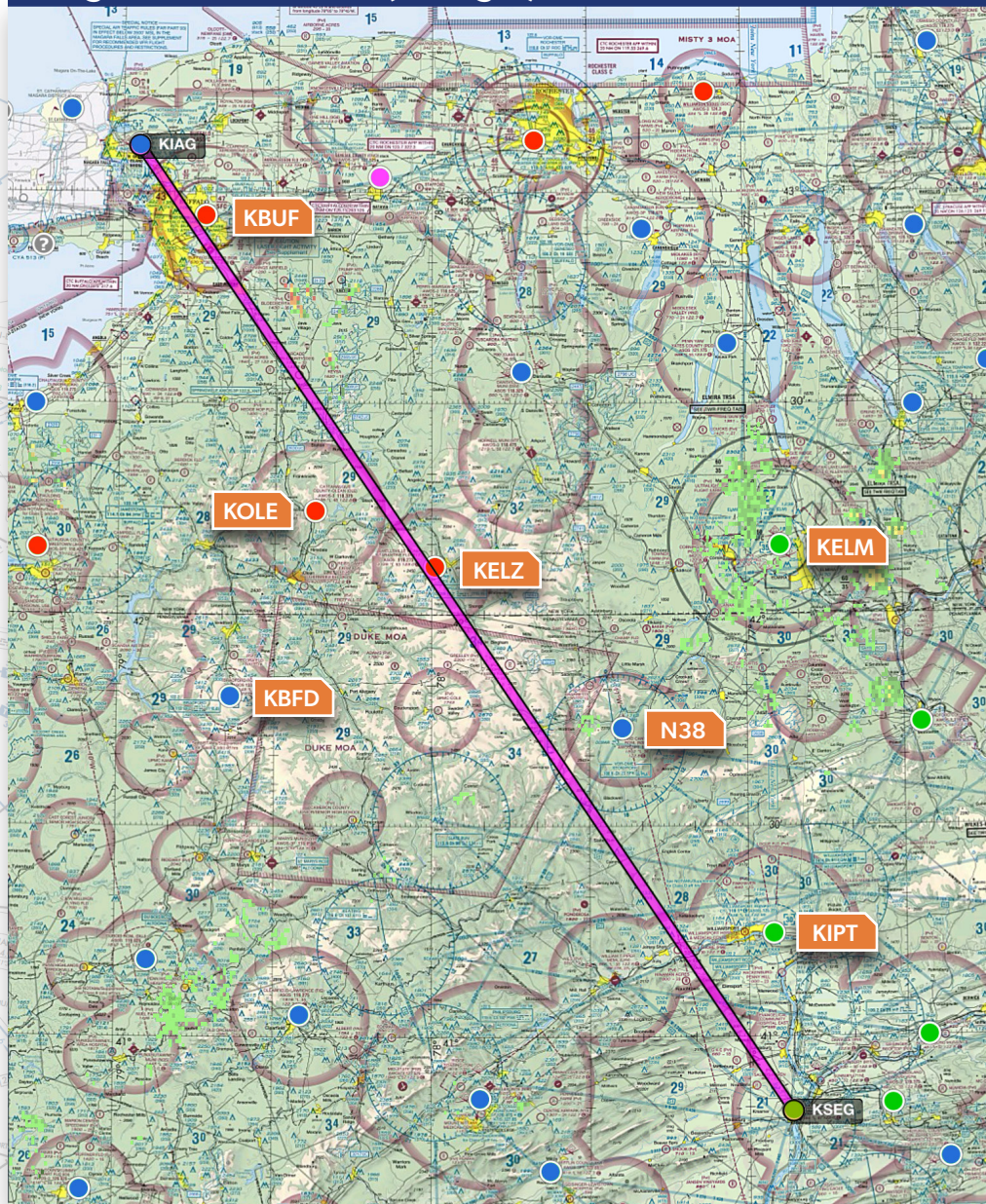
TEMPO 1412/1413 1SM -SHRADZ OVC008
FM141300 27007KT 6SM -SHRA OVC007
TEMPO 1413/1416 2SM -SHRADZ OVC005
FM141600 31008KT 6SM -SHRA OVC007
PROB30 1416/1422 4SM -SHRADZ OVC005
FM150200 33005KT 6SM BR OVC007
FM151000 29004KT P6SM BKN025
FM151100 30004KT P6SM SCT035=

Destination

KIAG 141653Z 31010KT 10SM OVC014 16/14 A2985

TAF KIAG 141627Z 1416/1512 31009KT P6SM VCSH OVC015
TEMPO 1416/1420 4SM -SHRADZ OVC007
FM150000 33006KT 6SM BR OVC007
FM150200 33005KT 6SM BR BKN012
FM150600 31005KT P6SM SCT020=

Categories and NEXRAD (Preflight)



METARs, TAFs, and AWOS (Decision Time)

Enroute

KOLE 141755Z AUTO 3000KT 4SM -DZ OVC006 13/13 A2983

01G AWOS: "Perry-Warsaw Airport automated weather observation 1805Z. Wind 330 at 5 knots. Visibility 10. Sky condition: overcast 1000. Temperature 18 Celsius. Dewpoint 16 Celsius. Altimeter 29.83 inches of mercury."

KBUF 141754Z 30005KT 7SM SCT009 BKN014 OVC018 15/14 A2986 RMK AO2 RAE23DZB23=

TAF KBUF 141720Z 1418/1518 32008KT 6SM -DZ SCT007 OVC015

TEMPO 1418/1422 2SM -SHRA BR OVC007

FM150200 32004KT P6SM BKN012

FM150900 VRB03KT P6SM BKN020

FM151000 VRB03KT P6SM SCT035

FM151700 26006KT P6SM FEW130=

Destination

KIAG 141753Z 32011KT 10SM OVC016 16/13 A2986

TAF KIAG 141627Z 1416/1512 31009KT P6SM VCSH OVC015

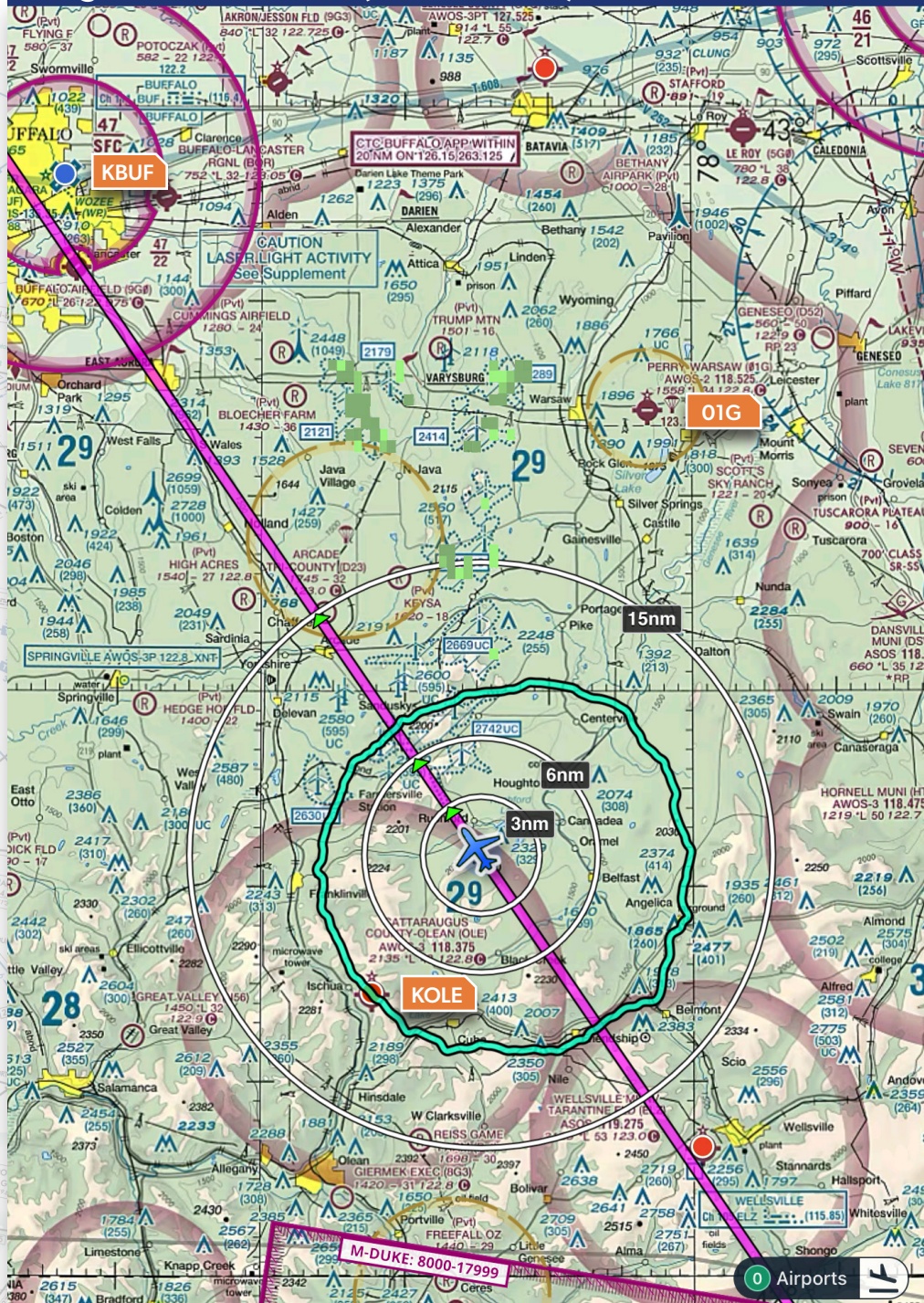
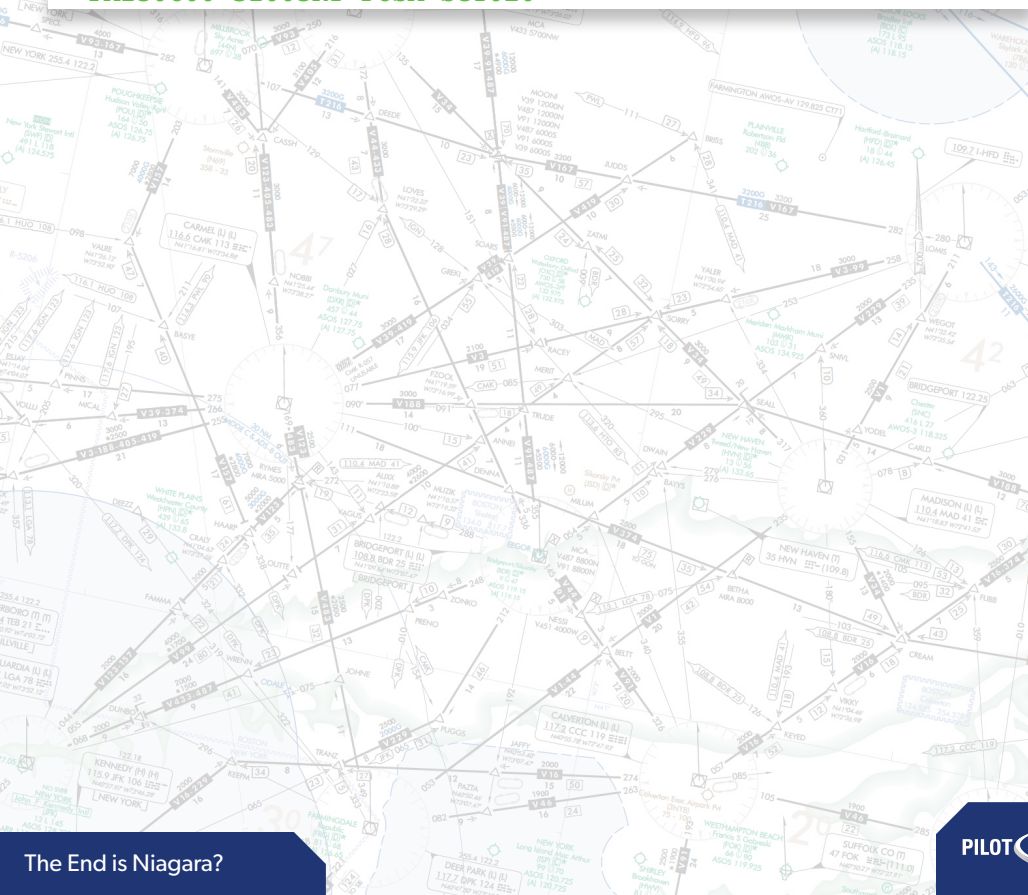
TEMPO 1416/1420 4SM -SHRADZ OVC007

FM150000 33006KT 6SM BR OVC007

FM150200 33005KT 6SM BR BKN012

FM150600 31005KT P6SM SCT020=

Categories and NEXRAD (Decision Time)



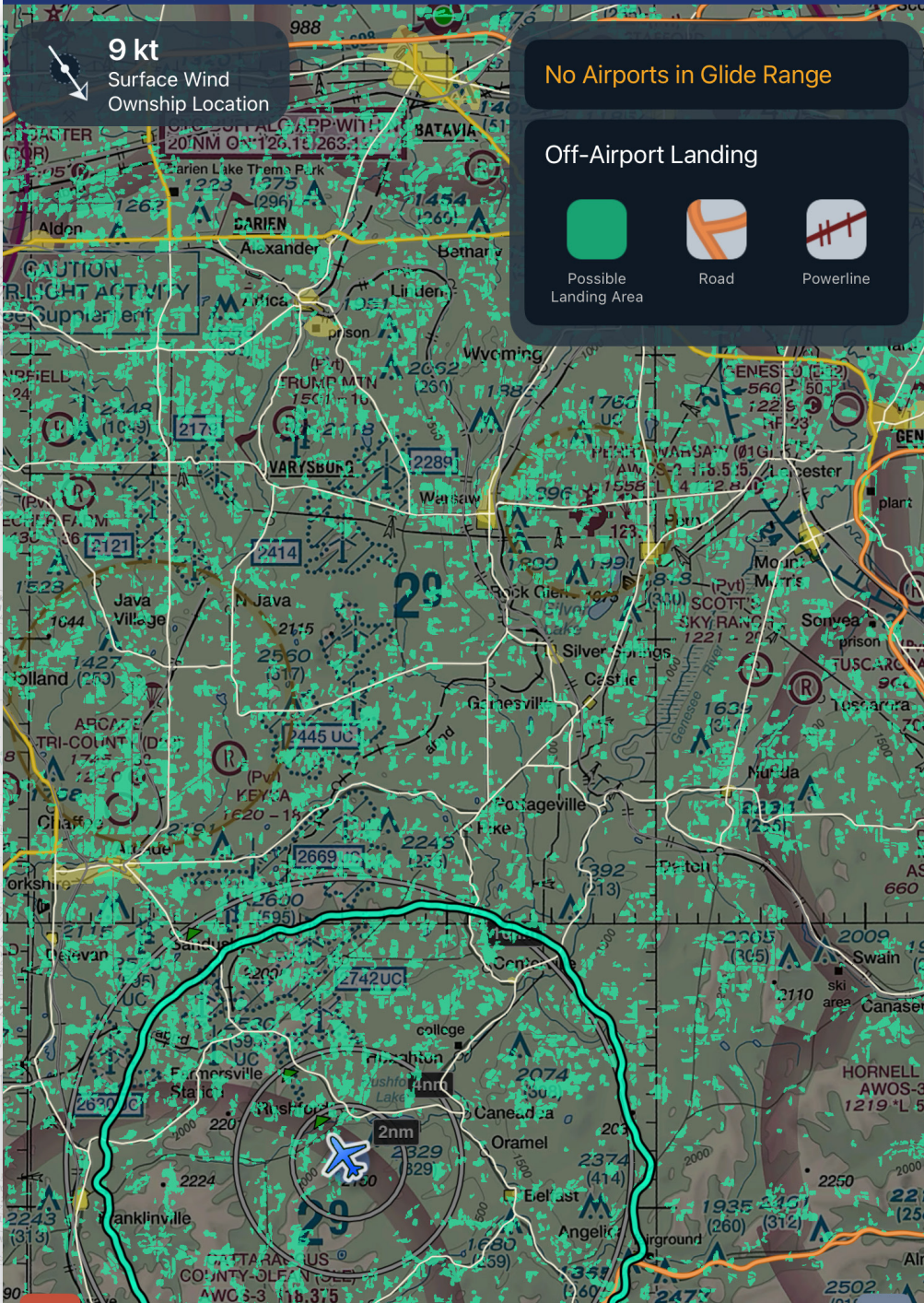
This is a detailed topographic map of the CATTARAUGUS COUNTY-OLEAN (CLE) area. The map shows various geographical features, including mountains, rivers, and roads. Key locations and features include:

- Mountains and Elevation:** TRUMP MTN (1501-16), PERRY WARSAW (01G) (118.525), SCOTT'S SKY RANCH (1221-20), and CATTARAUGUS COUNTY-OLEAN (CLE) (118.375).
- Rivers and Water Bodies:** Genesee River, Rushford Lake, Cuba Lake, and Silver Lake.
- Roads:** Various road numbers are shown, including 2179, 2414, 2445, 2669, 2742, 2074, 2329, 2374, 2477, 2502, 2581, 2775, 2334, 2350, 2189, 2115, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2739, 2740, 27

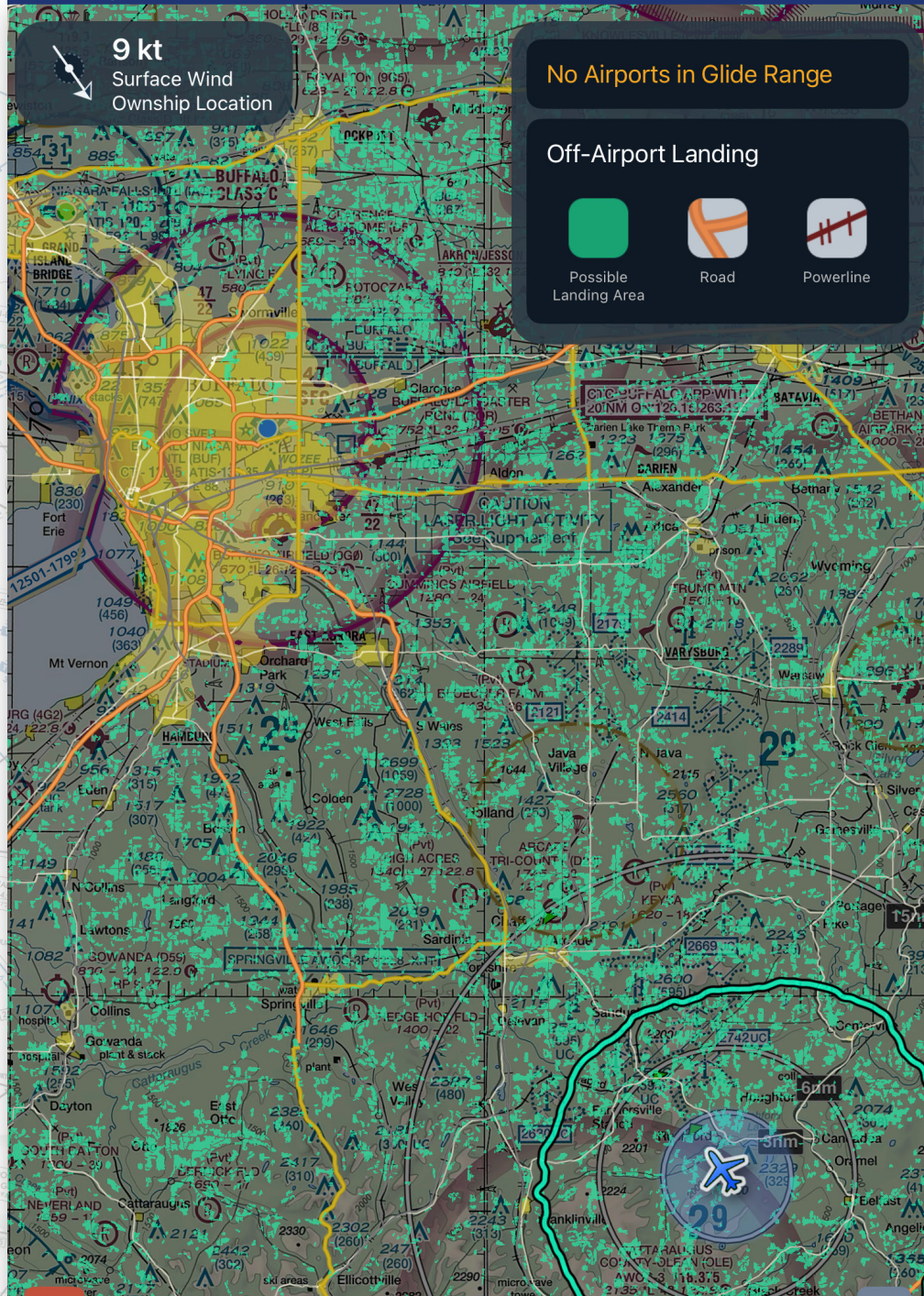
The End is Niagara?

PILOT WORKSHOPS

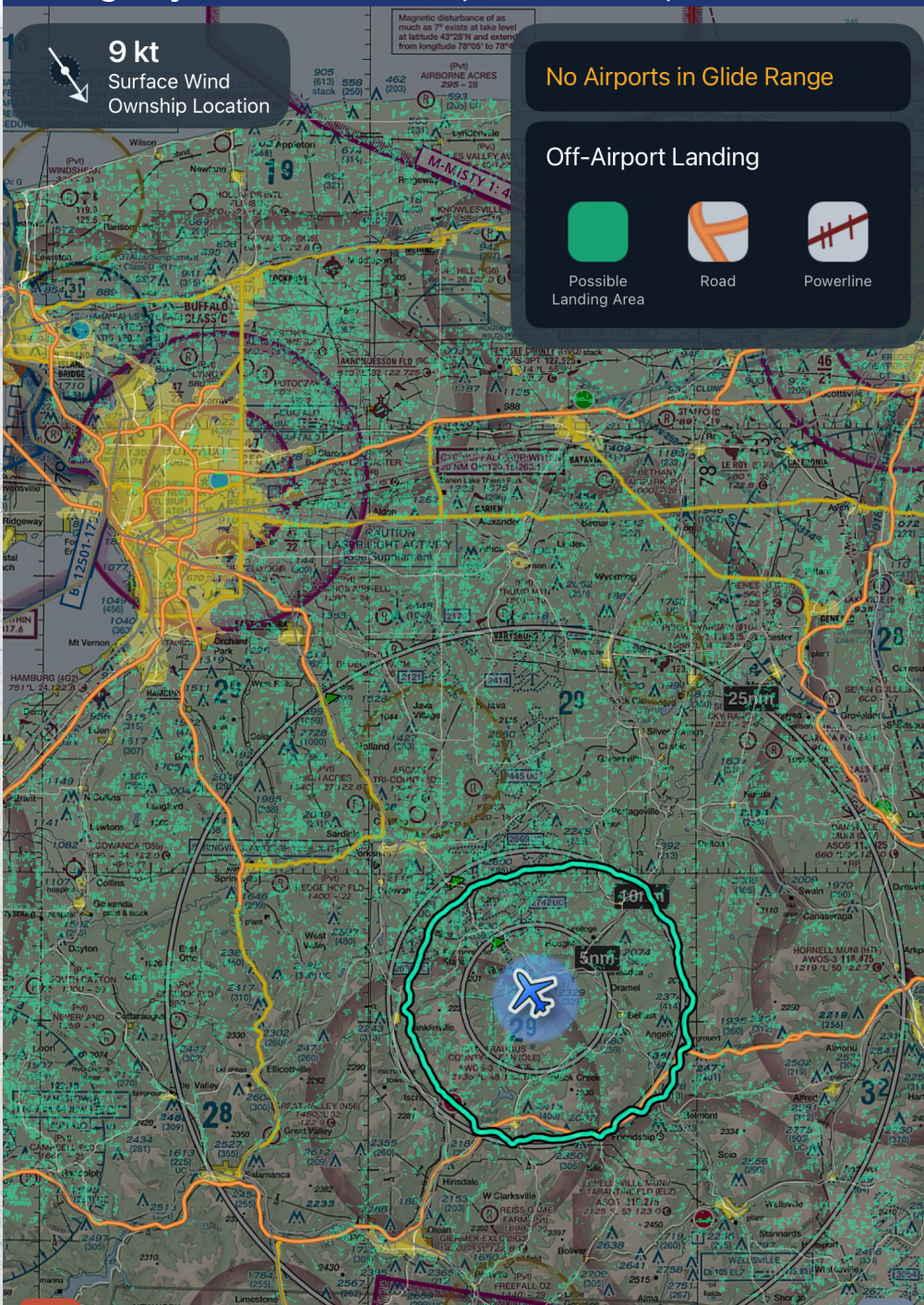
"Emergency Glide" to OIG (Decision Time)



"Emergency Glide" to KBUF/KIAG (Decision Time)



"Emergency Glide" Entire Area (Decision Time)



Van's RV-14 Glide Ratio

GLIDE PERFORMANCE

Best Glide Speed

84

Best Glide Ratio

10

(ForeFlight Emergency Glide Ratio set to 10:1)

Van's RV-14 Performance

Solo Weight (1700 lbs)	200 hp IO-360
Top Speed	180 kts
Cruise (75% @ 8000 ft)	171 kts
Cruise (55% @ 8000 ft)	151 kts
Stall Speed	47 kts
Takeoff Distance	360 ft
Landing Distance	540 ft
Rate of Climb	1,800 fpm
Ceiling	26,000 ft
Gross Weight (2050 lbs)	200 hp IO-360
Top Speed	178 kts
Cruise (75% @ 8000 ft)	169 kts
Cruise (55% @ 8000 ft)	149 kts
Stall Speed	51 kts
Takeoff Distance	512 ft
Landing Distance	550 ft
Rate of Climb	1,500 fpm
Ceiling	18,000+ ft

KOLE RNAV (GPS) Rwy 22

OLEAN, NEW YORK

AL-5072 (FAA)

26134

WAAS CH 99401 W22A	APP CRS 223°	Rwy Ldg TDZE Apt Elev	4500 2132 2135
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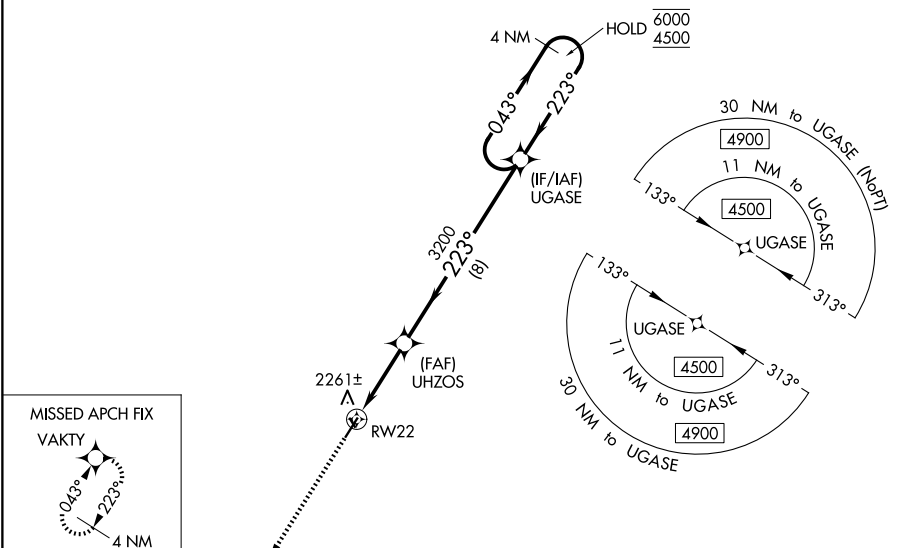
RNAV (GPS) RWY 22

CATTARAUGUS COUNTY-OLEAN (OLE)

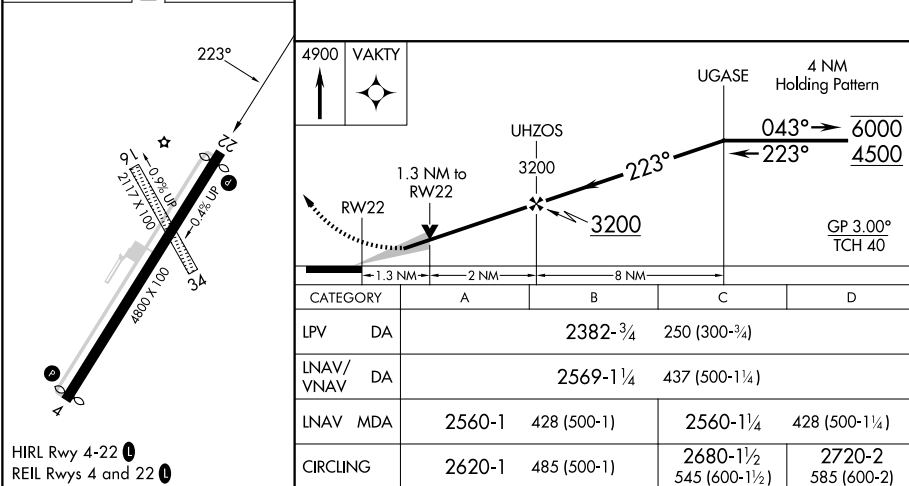
RNP APCH-GPS.

▼ Circling NA to Rwy 16 and 34. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -19°C or above 54°C. When VGSI inop, Straight-in/Circling Rwy 22 procedure NA at night.

AWOS-3 118.375	CLEVELAND CENTER 124.325 353.85	UNICOM 122.8 (CTAF) 0
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ELEV 2135	D	TDZE 2132
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OLEAN, NEW YORK
Amdt 2B 10AUG23

42°14'N-78°22'W

CATTARAUGUS COUNTY-OLEAN (OLE) RNAV (GPS) RWY 22

CATEGORY	A	B	C	D
LPV DA		2382-3/4	250 (300-3/4)	
LNAV/VNAV DA		2569-1/4	437 (500-1/4)	
LNAV MDA	2560-1	428 (500-1)	2560-1/4	428 (500-1/4)
CIRCLING	2620-1	485 (500-1)	2680-1/2 545 (600-1/2)	2720-2 585 (600-2)

KOLE Chart Supplement

CATTARAUGUS CO-OLEAN (OLE)(KOLE) 10 N UTC-5(-4DT) N42°14.47' W78°22.28'

DETROIT
L-301
IAP

2135 B NOTAM FILE OLE

RWY 04-22: H4800X100 (ASPH-GRVD) S-81, D-103, 2D-168

PCN 32 F/D/X/T HIRL 0.4% up SW

RWY 04: REIL. PAPI(P2L)—GA 3.0° TCH 40'. Thld dsplcd 100'. Trees.

RWY 22: REIL. PAPI(P2L)—GA 3.0° TCH 40'. Thld dsplcd 200'. Trees.

RWY 16-34: 2117X100 (TURF) 0.9% up NW

RWY 16: Tree.

RWY 34: Tree.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 04: TORA-4800 TODA-4800 ASDA-4600 LDA-4500

RWY 22: TORA-4800 TODA-4800 ASDA-4700 LDA-4500

SERVICE: FUEL 100LL, JET A+ LGT ACTVT REIL Rwy 04 and 22; PAPI Rwy 04 and 22; HIRL Rwy 04-22; WDI—CTAF. PAPI Rwy 22 unusable byd 5 deg left of RCL.

AIRPORT REMARKS: Attended 1300-2100Z±. Call AMGR for svc availability on hol. Fuel avbl 24/7. Snow plowing and braking action and fld condition reports not avbl when arpt is unattended. Deer on and invov arpt. Terrain drops off on all rwy ends. Rwy 04 250' X 250' safety area. Rwy 22, 225' X 110' safety area. Rwy 16-34 has reflective edge and thld markings. Rwy 16-34 CLOSED winter months, soft in spring. Unmanned acft 1 NM radius SFC-500'.

AIRPORT MANAGER: 716-557-8800

WEATHER DATA SOURCES: AWOS-3 118.375 (716) 557-2001.

COMMUNICATIONS: CTAF/UNICOM 122.8

CLEVELAND CENTER APP/DEP CON 124.325

CLEARANCE DELIVERY PHONE: For CD ctc Cleveland ARTCC at 440-774-0227.

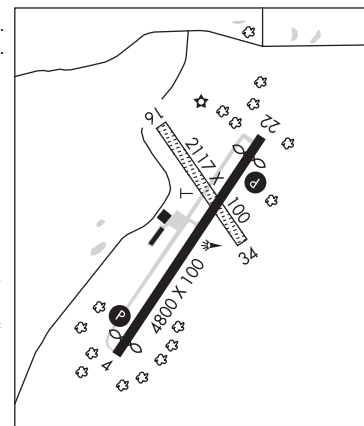
RADIO AIDS TO NAVIGATION: NOTAM FILE ELZ.

WELLSVILLE (DH) DME 115.85 ELZ Chan 105(Y) N42°05.38' W77°59.97' 299° 18.9 NM to fld. 2298.

DME unusable:

170°-195° byd 25 NM

LOC 109.3 I-OLE Rwy 22.



01G Chart Supplement

PERRY-WARSAW (Ø1G) 3 NW UTC-5(-4DT) N42°44.48' W78°03.13'

DETROIT
L-301, 31E, 32F

1558 B NOTAM FILE BUF

RWY 10-28: H3429X60 (ASPH) MIRL

RWY 10: REIL. Tree.

RWY 28: REIL. Thld dsplcd 639'. Trees.

RWY 04-22: 1806X60 (TURF) 0.5% up NE

RWY 04: Trees.

RWY 22: Fence.

SERVICE: S4 FUEL 100LL LGT ACTVT REIL Rwy 10 and 28; MIRL Rwy 10-28—CTAF.

AIRPORT REMARKS: Attended Mon-Fri irregularly. 100LL fuel 24 hrs self svc. Parachute jumping. First 700' Rwy 28 slopes uphill. First 1,700' of Rwy 10 slopes uphill. Rwy 28 has 8' dropoff both sides, 200' dstc. Rwy 04 safety area drops off 100' before rwy beg, at 125' L and R of cntrln. Turf Rwy 04-22 may be unusbl Oct-May. Rwy 04-22 uneven. Rwy and twy crossings ruf. Rwy soft and wet Mar-Jun. Call for ficons. Parallel twy unlgtd.

AIRPORT MANAGER: 585-237-9938

WEATHER DATA SOURCES: AWOS-2 118.525 (585) 237-0235.

COMMUNICATIONS: CTAF/UNICOM 122.8

CLEARANCE DELIVERY PHONE: For CD ctc Cleveland ARTCC at 440-774-0490.

RADIO AIDS TO NAVIGATION: NOTAM FILE BUF.

GENESEO (L) (L) VOR/DME 108.2 GEE Chan 19 N42°50.06' W77°43.97' 258° 15.2 NM to fld. 990/9W.

VOR portion unusable:

208°-224° byd 29 NM blo 5,000'

225°-230°

231°-245° byd 29 NM blo 5,000'

DME unusable:

115°-120° byd 29 NM blo 4,000'

140°-155° byd 30 NM blo 5,000'

KBUF RNAV (GPS) Rwy 32

BUFFALO, NEW YORK

AL-65 (FAA)

25331

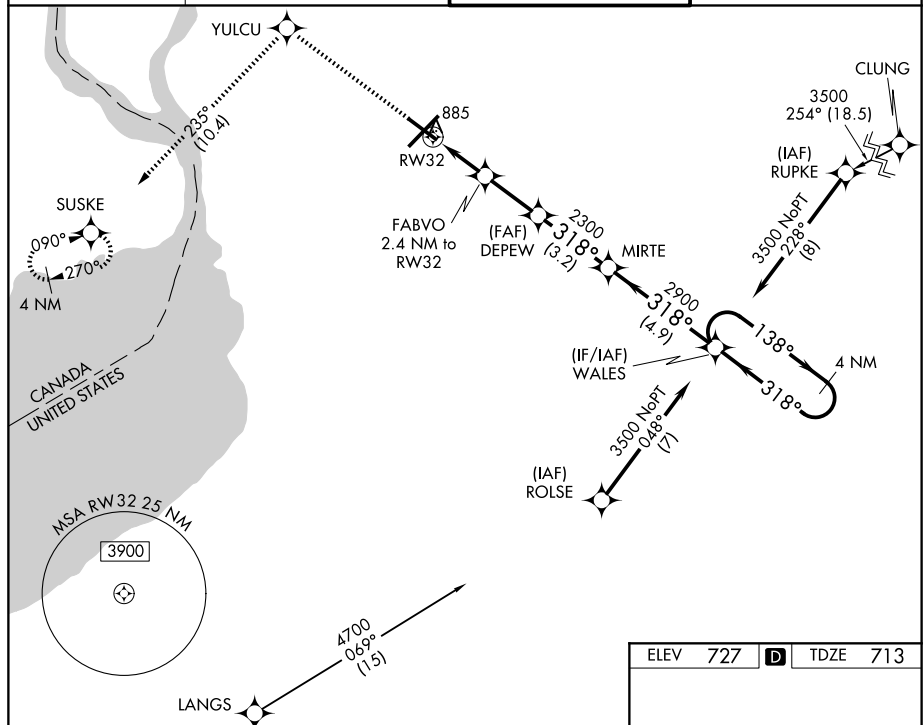
WAAS CH 81811 W32A	APP CRS 318°	Rwy Ldg TDZE 713 Apt Elev 727
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RNAV (GPS) RWY 32

BUFFALO NIAGARA INTL (BUF)

RNP APCH - GPS	MALSR	MISSED APPROACH:
For uncompensated Baro-VNAV systems LNAV/VNAV NA below -17°C or above 54°C. For inop ALS, increase LNAV/VNAV visibility all Cats to 1 SM. Inop table does not apply to LPV all Cats.		Climb to 3000 direct YULCU on track 235° to SUSKE and hold.

D-ATIS 135.35	BUFFALO APP CON 126.15 263.125	BUFFALO TOWER 120.5 257.8	GND CON 133.2 257.8
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3000	YULCU	tr	SUSKE	4 NM	Holding Pattern
* LNAV only.					
FABVO 2.4 NM to RW32					
DEPEW 2300					
MIRTE 2900					
WALES 318°					
LANGS 4700 069° (15)					
GP 3.00° TCH 54					
CATEGORY	A	B	C	D	
LPV DA	913-1/2 200 (200-1/2)				
LNAV/VNAV DA	1092-5/8 379 (400-5/8)				
LNAV MDA	1140-1/2 427 (500-1/2)		1140-3/4 427 (500-3/4)		
CIRCLING	1200-1 473 (500-1)		1220-1 1/2 493 (500-1 1/2)		1340-2 613 (700-2)

BUFFALO, NEW YORK
Amdt 2C 02DEC21

42°56'N-78°44'W

BUFFALO NIAGARA INTL (BUF) RNAV (GPS) RWY 32

KBUF Chart Supplement

BUFFALO NIAGARA INTL (BUF)(KBUF) 5 E UTC-5(-4DT) N42°56.43' W78°43.83'

727 B LRA ARFF Index—See Remarks NOTAM FILE BUF

RWY 05-23: H8829X150 (ASPH-GRVD) S-120, D-250, 2D-550, 2D/2D2-1120 PCR 2110 F/B/X/T
HIRL CL

RWY 05: MALSR. TDZL. PAPI(P4L)—GA 3.0° TCH 50'. RVR-TMR Thld dsplcd 535'. Bldg. 0.9% up.

RWY 23: ALSF2. TDZL. PAPI(P4R)—GA 3.0° TCH 52'. RVR-TMR Thld dsplcd 725'. Tree.

RWY 14-32: H7161X150 (ASPH-GRVD) S-120, D-250, 2D-489, 2D/2D2-1016 PCR 900 F/D/X/T HIRL

RWY 14: REIL. PAPI(P4L)—GA 3.0° TCH 53'. Thld dsplcd 320'. Tree.

RWY 32: MALSR. PAPI(P4L)—GA 3.0° TCH 54'. Thld dsplcd 720'. Sign.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 05: TORA-8829 TODA-8829 ASDA-8104 LDA-7569

RWY 14: TORA-7161 TODA-7161 ASDA-6441 LDA-6121

RWY 23: TORA-8829 TODA-8829 ASDA-8294 LDA-7569

RWY 32: TORA-7161 TODA-7161 ASDA-6841 LDA-6121

SERVICE: S4 FUEL 100LL, JET A OX 1, 2, 3, 4

AIRPORT REMARKS: Attended continuously. Heavy concentration of gulls, blackbirds, and starlings up to 5000' on and in/ovf arpt. Deer on and in/ovf arpt. Class I, ARFF Index C. ARFF Index D equipment coverage provided. Twy K1 clsd 0200-1300Z daily. Twy A SW runoff area/hldg bay mkd design group 3 acct (generally B737 A21 or smaller), unavbl design group 4 (incl but not ltd to B757 767). Twy P btm apch end Rwy 14 and Twy P2 clsd to acct wingspan more than 117 ft. For FBO svcs ctc 131.75, for cargo svcs ctc 122.95. Ldg fee. Flight Notification Service (ADCUS) avbl.

AIRPORT MANAGER: (716) 630-6030

WEATHER DATA SOURCES: ASOS (716) 587-0517 WSP.

COMMUNICATIONS: D-ATIS 135.35

RCO 122.2 (BUFFALO RADIO)

APP/DEP CON 126.15 (053°-233°) 126.5 (234°-052°)

TOWER 120.5 GND CON 133.2 CLNC DEL 124.7 PRE TAXI CLNC 124.7

CPDLC (LOGON KUSA)

PDC

AIRSPACE: CLASS C svc ctc APP CON.

VOR TEST FACILITY (VOT) 109.0

RADIO AIDS TO NAVIGATION: NOTAM FILE BUF.

(DH) DME 116.4 BUF Chan 111 N42°55.74' W78°38.78' 280° 3.8 NM to fld. 730.

DME unusable:

051°-085° byd 25 NM blo 4,500'

301°-050° byd 25 NM blo 3,500'

KLUMP NDB (LOMW) 231 BU N43°00.02' W78°39.05' 233° 5.0 NM to fld. 630/9W.

PLAZZ NDB (LOMW) 204 GB N42°52.43' W78°48.99' 052° 5.5 NM to fld. 593/9W. NOTAM FILE GBD.

ILS 108.5 I-GBI Rwy 05. Class IA. LOM PLAZZ NDB.

ILS 111.3 I-BUF Rwy 23. Class IE. LOM KLUMP NDB. Glideslope unusable byd 5° right of course.

ILS/DME 109.95 I-BNQ Chan 36(Y) Rwy 32. Class IE.

KIAG RNAV (GPS) Rwy 28

NIAGARA FALLS, NEW YORK

AL-614 (FAA)

25331

RNAV (GPS) RWY 28

NIAGARA FALLS INTL (IAG)

WAAS CH 63147 W28A	APP CRS 280°	Rwy Ldg TDZE 588 Apt Elev 592
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RNP APCH - GPS.

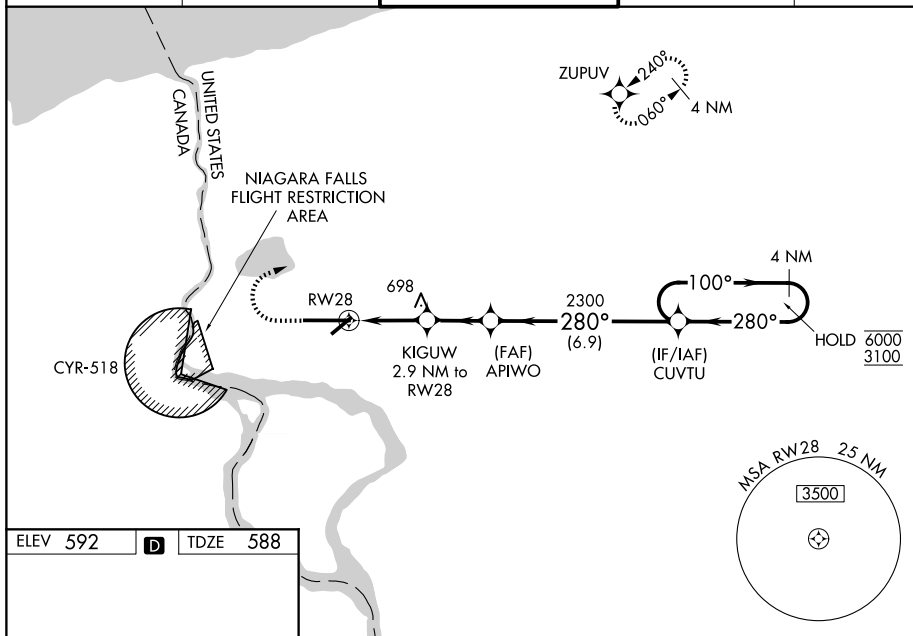
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C or above 54°C.
Rwy 28 helicopter visibility reduction below RVR 4000 not authorized.
Circling Rwy 6 NA at night.
Circling NA for Cat E southeast of Rwy 6-24.
Inop table does not apply to LPV all Cats.
For inop ALS, increase LNAV/VNAV visibility all Cats to RVR 4500, LNAV visibility all Cats to RVR 5500.

MALS



MISSED APPROACH:
Climb to 1040 then
climbing right turn to
3600 direct ZUPUV
and hold, continue
climb-in-hold to 3600.

ATIS 120.8 269.4	BUFFALO APP CON 126.5 317.6	NIAGARA TOWER ★ 118.5 (CTAF) 0 349.0	GND CON 125.3 275.8	UNICOM 122.95
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ELEV 592	D	TDZE 588
REIL Rwy 6 and 24	TDZL/RCLS Rwy 28	RCLS Rwy 10
HIRL Rwy 10-28	MIRL Rwy 6-24	
1040	3600	ZUPUV
280°		
1.2 NM to RW28	2.9 NM to RW28	2300
1.2	1.7 NM	2.3 NM
6.9 NM		
CATEGORY	A	B
LPV	DA	838/40 250 (300-3/4)
LNAV/VNAV	DA	957/40 369 (400-3/4)
LNAV MDA		960/40 372 (400-3/4)
CIRCLING	1100-1 508 (600-1)	1280-2 688 (700-2) 1280-2 1/2 688 (700-2 1/2) 1280-2 1/2 688 (700-2 1/2)

NIAGARA FALLS, NEW YORK
Orig 27NOV25

43°07'N-78°57'W

NIAGARA FALLS INTL (IAG) RNAV (GPS) RWY 28

KIAG Chart Supplement

NIAGARA FALLS INTL (IAG)(KIAG) P (AFRC ANG) 4 E UTC-5(-4DT) N43°06.50' W78°56.77'

DETROIT

H-10H, 11B, L-31E
IAP, DIAP, AD

592 B LRA ARFF Index—See Remarks NOTAM FILE IAG

RWY 10-28: H9826X150 (ASPH-CONC-GRVD) S-120, D-240,

2D-447, 2D/2D2-957 PCR 4110 F/B/X/T HIRL CL

RWY 10: PAPI(P4L)—GA 2.89° TCH 53'. RVR-R Thld splcd 700'. Tree.

RWY 28: MALS. TDZL. PAPI(P4L)—GA 2.5° TCH 67'. RVR-T Tree.

RWY 06-24: H5188X150 (ASPH) S-120, D-250, 2D-462

PCR 2540 F/B/X/T MIRL

RWY 06: REIL. PAPI(P4L)—GA 3.0° TCH 45'. Tree.

RWY 24: REIL. PAPI(P4L)—GA 3.0° TCH 48'. Tree.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 06: TORA-5188 TODA-5188 ASDA-5188 LDA-5188

RWY 10: TORA-9829 TODA-10829 ASDA-9829 LDA-9129

RWY 24: TORA-5188 TODA-5188 ASDA-5108 LDA-5108

RWY 28: TORA-9829 TODA-10529 ASDA-9129 LDA-9129

SERVICE: S2 FUEL 100LL, JET A, A+ LGT When ATCT clsd ACTVT

MALS Rwy 28; REIL Rwy 06, 24; cntrln Rwy 10/28; PAPI Rwy 06,

24, 10; HIRL Rwy 10/28; MIRL Rwy 06/24; twy

lgts—CTAF. MILITARY—JASU 2(A/M32A-86) 1(AM32A-60) 1(MA-1A)

FUEL A++(Mil) FLUID SP OIL O-148(Mil)

AIRPORT REMARKS: Attended continuously. Heavy concentrations of gulls, blackbirds, starlings up to 5000' AGL on and in/ovf arpt. Bird acft strike haz Phase II ops at KIAG Mar-May and Sep-Nov. PAJA opns SR-SS. Call amgr for more info. Class I, ARFF Index B. ARFF Index E equipment coverage provided. Extensive acft activity opr in/ovf US/Canadian falls all alts. Inbxd depts Rwy 24 at Twy D1 are not authorized. Rwy 28 rollout end of rwy—last 900 ft not grooved. Rwy 28 1000 ft by 150 ft blast pad. Twys A, A1, A2, A3, M & L non-mov areas. Twy D3 rstd to 12,500 lbs or less. Ldg fee. Parking fee. Flight Notification Service (ADCUS) avbl. NOTE: See Special Notices—Recommended VFR Fit Procedures.

MILITARY REMARKS: RSTD All mil acft opr rstd during Bird Watch Condition Moderate (tkf and ldg permission only when departing/arrival route avoids identified bird activity, no local IFR/VFR tfc pat activity) and Severe (tkf and ldg prohibited without OG/CC approval), ctc Comd Post for current Bird Watch Condition. MISC Local mission aircraft have priority for deicing; military side only acft deicing limited to KC-135R only. All mil acft only minimal classified materials avbl, aircrews should arrive with appropriate amount to complete their mission. For current Mil Rwy Condition Reading (RCR) call or ctc 914 ARW comd post or 914th ARW afld management. AFRC/ANG PPR ctc Afld mgmt DSN 238-2176, C716-236-2176. Airfield ops svc 1200-0400Z† Mon-Fri exc hol. Nstd ops apn mrks identifying prkg row and prkg lctn. Nstd main apn mrk east side, prk stop bar and Acft Gnd Eqpt (AGE) box. Cstms/AG/img svc not lctd on Niagara Falls ARS. Svc avbl H24. Ops apron west stanchion lights unsvc. Use CAUTION dur ngt time ops. Afld management does not issue or store COMSEC, for COMSEC storage ctc Command Post DSN 238-2150, C716-236-2150. Minimum alt over Niagara Falls scenic falls is 3500'. No fleet svc avbl.

AIRPORT MANAGER: (716) 297-4494

WEATHER DATA SOURCES: ASOS (716) 409-9256

COMMUNICATIONS: CTAF 118.5 ATIS 120.8 269.4 UNICOM 122.95

® BUFFALO APP/DEP CON 126.5 317.6

TOWER 118.5 349.0 (1200-0400Z†) GND CON 125.3 275.8 CLNC DEL 119.25 251.1

914 AW COMD POST/AFld MGMT (MUSHROOM OPS) 340.025 (DSN-238-2150, C716-236-2150. Afld mgmt—DSN 238-2176, C716-236-2176 (AMOPS).

CLEARANCE DELIVERY PHONE: For CD when ATCT clsd ctc Buffalo ATCT on freq or 716-626-6920.

AIRSPACE: CLASS D svc 1200-0400Z†; other times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE BUF.

BUFFALO (DH) DME 116.4 BUF Chan 111 N42°55.74' W78°38.78' 309° 17.0 NM to fld. 730.

DME unusable:

051°-085° byd 25 NM blo 4,500'

301°-050° byd 25 NM blo 3,500'

(T) TACAN Chan 47 IAG (111.0) N43°06.75' W78°57.61' at fld. 592/10W. NOTAM FILE IAG. TACAN status unmonitored drg amops non-duty hrs 0400-1100Z†.

TACAN AZIMUTH unusable:

079°-089° byd 20 NM blo 3,000'

090°-078° byd 20 NM

DME unusable:

079°-089° byd 20 NM blo 3,000'

090°-078° byd 20 NM

KATHI NDB (LOMW) 329 IA N43°06.55' W78°50.30' 280° 4.7 NM to fld. 615/10W. NOTAM FILE KIAG.

ILS 110.1 I-IAG Rwy 28. Class IE. LOM KATHI NDB. Unmonitored when ATCT clsd.

