

MSC XC Challenge – Stanton Short Task

Type: Polygon with 4 Points

Task Distance: 34.7 mi

Turnpoint	Latitude	Longitude	Distance	Course
Start – Stanton Apt.	N44.4755	W093.0163		
1 - Randolph	N44.5261	W093.0200	3.5 mi	357
2 - Northfield Stop Sign	N44.4581	W093.1589	8.3 mi	236
3 - Dennison	N44.4070	W093.0395	6.9 mi	121
4 - Cannon Falls Grain Elevators	N44.5170	W093.9086	10.0 mi	40
Finish – Stanton Apt.	N44.4755	W093.0163	6.0 mi	242

Observation Zones:

Start – Stanton: Line Radius=0.306 mi, Maximum Altitude=5,500 msl

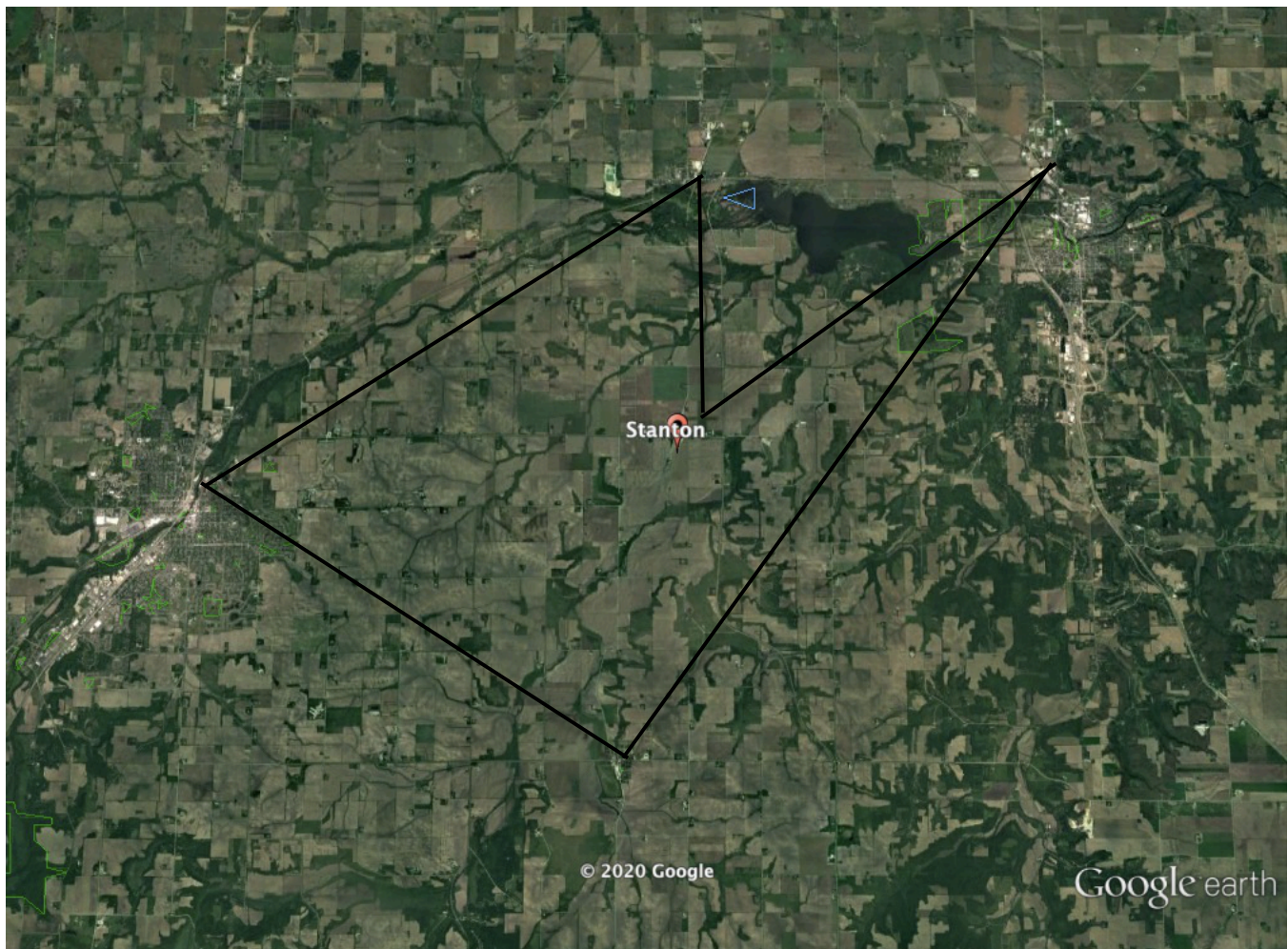
1 – Randolph City: FAI Sector Symmetrical, Radius=1.0 mi, Angle=90

2 – Northfield Stop Sign: FAI Sector Symmetrical, Radius=1.0 mi, Angle=90

3 – Dennison: FAI Sector Symmetrical, Radius=1.0 mi, Angle=90

4 – Cannon Falls Grain Elevators: FAI Sector Symmetrical, Radius=1.0 mi, Angle=90

Finish – Stanton Apt: Line Radius=0.306 mi, Minimum Altitude=2,500 msl



MSC XC Challenge

This challenge is for 32:1 gliders with a K6 like polar as well as 1-26's and modern super ships. Use the cans at each turnpoint as your glider and weather allows. Keep this in mind – more distance and less circling will improve your overall speed. A task completed on a weak day is pretty cool too.

As frequently as necessary, I will post a spreadsheet that summarizes the parameters of your flights as computed by Naviter's *SeeYou*. The big deal is this - you now can see your progress relative to other pilots. You are in effect, teaching each other better cross country flight skills as measured by different parameters in the *SeeYou* program.

Rules:

1. Maximum start height – 5.5k msl.
2. Minimum finish height - 2.5k msl.

Your actions:

1. Use the Stanton turnpoint file provided by Paul and then add *MSC Task 2*. The coordinates are on the task sheets 2 and 3.
2. Ensure that your glider trailer is ready to roll for a retrieve.
3. Prepare your map, flight computer and any other favored items to fly the courses.
4. Declare the task in your flight computer if you can. My attempt to summarize your flight will be easier.
5. Submit the flight to the OLC if you wish.
6. Submit the flight to me as an igc file – Leon Z. You will find my email address on the club roster.
7. Look for your flight on the XC spreadsheet. You will find the results at this URL:
www.region7soaringcontest.com under the tab - *Tasks and Results*.
8. Flight summaries will be ranked by date and handicap speed.

Your goals:

1. Become comfortable with these components.
 - 1.1 Fly straight into the wind and down wind to discover lines of lift.
 - 1.2 Learn to center thermals using the 270-method, and the surge method.
 - 1.3 Fly the west half or the east half of the Stanton Short Task on the weakest days.
 - 1.4 Develop a flight band for your glider – even a simple one.
 - 1.5 Study the weather and learn to recognize a soarable day over the task areas.
 - 1.6 Learn how to add and change tasks in your flight computer.
 - 1.7 Partake in hangar talk at day's end.
2. Fly the task that you are comfortable with having these goals in mind.
 - 2.1 Get around the course.
 - 2.2 Use lines of energy towards the next turn point.
 - 2.3 Decrease your centering time in a thermal.
 - 2.4 Use the STF for your glider associated with the day's average climb rate.
 - 2.5 Fly a flight band, look ahead and be prepared to shift gears.
 - 2.6 Fly a final glide to the finish and seek ways to improve it.
3. Modify the tasks to meet your interest.
 - 3.1 Change the observation zones in your task to smaller radii or photo sectors.
 - 3.2 Change your start and finish lines to circles with one or two mi radii.
 - 3.3 On weak days, clip the turnpoint circle; on strong days, fly deep into the TP circle.

By Imz