

### Wind Turbine Testing Form

Date of Test: 3/6/20

Name of Testers: LUKE COSTELLO JOHN CUNNINGHAM RYAN ZHAN

Testing Parameters: Wind Speed: 4-6 MPH 15-20 MPH MPH

Mass Configuration: Healthy Imbalance: 0 kg

#### Pre-test Checklist

Before Day of Test:

- ☒ Ensure Transportation
- ☒ Send testing plan to Dr. Lemieux and Dr. Ridgely

On Day of Test:

- ☒ Email 2-3 others of departure time
- ☒ Email 2-3 others of arrival time

Rotor Speed [RPM]	Test No.	Time	Comment
0	1	11:20 AM	0-60 RPM
80	2	12:00 PM	0 → 80 RPM
100	8	1:18 PM	*
120	7	1:11 PM	*
140	5	1 PM	*
160	6	1:05 PM	*
180	4	12:42 PM	0 → 180 RPM
200	3		* FAIL (CUT-OUT)
220			
240			

#### Comments:

- LOW WIND SPEEDS
  - TESTED RYAN'S DATA COLLECTION PROGRAM (UNSUCCESSFULLY)
  - 1<sup>ST</sup>: 11-22: 60 RPM w/ YAW ROTATION @ 0 RPM & 60 RPM.
- \* = 1 DATA FILE