

Variable	Distribution	Mean	SD	Model characteristic property
Wind speed	Weibull; $a = 1.89, b = 5.29$	NA	NA	Pressure distribution/moment magnitude
Wind load reversal ratio	WISPER	NA	NA	Stress/strain, R
Case 1 – flaw location	Spline	NA	NA	% of length from blade root
Case 1 – IP flaw magnitude	Normal	27.0	18.0	In-plane off axis degree
Case 1 – OP flaw magnitude	Normal	6.5	2.8	Out-of-plane off axis degree
Case 2 – IP flaw magnitude	Half-Gaussian	0.0	18.0	In-plane off axis degree
Case 2 – OP flaw magnitude	Half-Gaussian	0.0	2.8	Out-of-plane off axis degree
Youngs modulus [E11]	Lognormal	4.14E+10	2.10E+09	Spar cap material property
Youngs modulus [E22]	Lognormal	1.63E+10	2.00E+09	Spar cap material property