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To: Whom it may concern

Subject: Wind Tunnel Test Results for the SkyDoc™ Aerostat

Wind Tunnel Tests

Conducted at Colorado state University

	Aerostat Size 15'	Aerostat Size 20'	Aerostat Size 30'
Wind Speed	Tether Strain in pounds	Tether Strain in pounds	Tether Strain in pounds
0	25	50	200
10	46	86	282
20	81	192	535
30	191	382	920
40	300	601	1,530
50	482	965	2,250
60	685	1,370	3,170
70	932	1,865	4,185
80	1,185	2,370	5,915
90	1,522	3,045	6,825



The previous chart is based on a SkyDoc™ Aerostat that has been trimmed at +4 degrees of attack angle, and no payload. Changes in the attack angle and payload will vary the height the SkyDoc™ Aerostat will settle at in wind conditions and vary the amount of lift. Varying the attack angle from +4 to -8 degrees, changes in wind speed, and amount of payload can vary the angle of the tethered SkyDoc™ from 90 Degrees to 20 Degrees and the amount of lift available. Greatest stability with lift is generally found by trimming the Aerostat to a -4 degrees' attack angle.

The SkyDoc™ Aerostat was designed to withstand adverse wind and weather conditions while maintaining operational capability. The aerostat has been used in every part of the globe under all types of conditions without major incident. The SkyDoc™ Aerostat patented design has been used in the tethered aerostat industry since 1989.

Sincerely,

Charles Steffen/Managing Director