

itself for a short time. Wind 12.11 miles per hr; altitude 250; pull 30 lbs. The Kite then came down again. Another attempt was made shortly afterwards wind 11.25 miles per hr, but Kite A would not support itself.

Kite C was then raised by hand. Wind 9.15 miles per hr. Kite C would not support itself. This ended the experiments for the day.

DIARY OF OBSERVATIONS JULY 29, 1908.

Kite A.

Wind	Altitude & pull.
Obs. Miles	Obs. Alt. Pull
Exp. 3 1 11.79	10 320° 610 lbs.
Exp. 4 1 14.76	10 330° 630 lbs.
Exp. 5 1 12.51	10 345° 670 lbs.
Exp. 10 1 13.50	10 310° 630 lbs.
Exp. 11 1 11.98	10 280° 590 lbs.
6 64.54	40 1542° 2830 lbs.

Kite C

Wind	Altitude & Pull.
Obs. Miles	Obs. Alt. Pull
Exp. 1 1 10.48	10 301° 460 lbs.
Exp. 2 1 11.64	10 306° 430 lbs.
Exp. 6 1 13.94	10 350° 770 lbs.
Exp. 7 1 12.57	10 361° 595 lbs.
Exp. 8 1 16.35	10 332° 630 lbs.
Exp. 9 1 14.13	10 343° 650 lbs.
6 79.31	60 1993° 3665 lbs.

Averages.

Wind	Altitude	Pull.
Kite A 12.91 miles	320.12	59.00 lbs.
Kite C 13.22 miles	330.82	59.25 lbs.

General conclusions: There seems to be no substantial difference between Kites A & C. That little difference there is seems to be in favor of Kite C, but the wind-velocity was slightly greater.