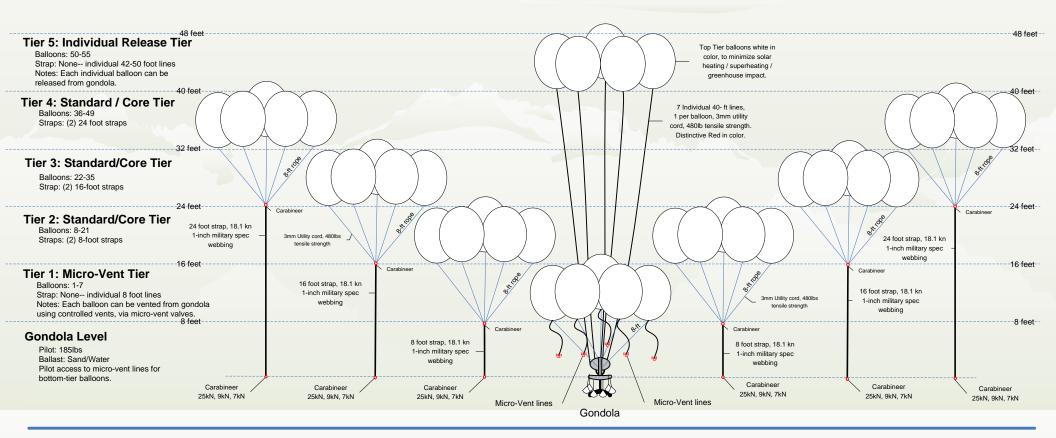
## Gas Cluster Balloon

'Double Barrel' Design Jonathan R. Trappe

itrappe@yahoo.com



## Specs:

Balloons: 8-foot chloroprene cloudbusters, 268 cu/ft

Balloon count: 55

Total envelope size: 12,045 cubic feet (filled to 219 cu/ft per envelope)

Lifting gas: Helium (He)

Straps: (6) 1-inch 18kN rated tubular webbing

Carabineers: (12) Black Diamond Quicksilver Screwgate; Rated 25kN (vertical, closed), 9kN (gate open), 7kN (horizontal); 2 carabineers per strap: base and bud. Individual Ropes: (55) 3mm 480lb tensile strength utility line (50 8-foot lines, 5 40-

ot lines)

Net Lift per balloon: 9lbs (observed), 15 lbs (theoretical)

Gross Lift: 495lbs (at 9lbs/balloon)

## DANGER!

Cluster ballooning is potentially extremely dangerous and could result in serious injury or death. This document is theoretical, and should not be implemented or tested. Do not undertake any ballooning activity without training from an FAA qualified instructor.

