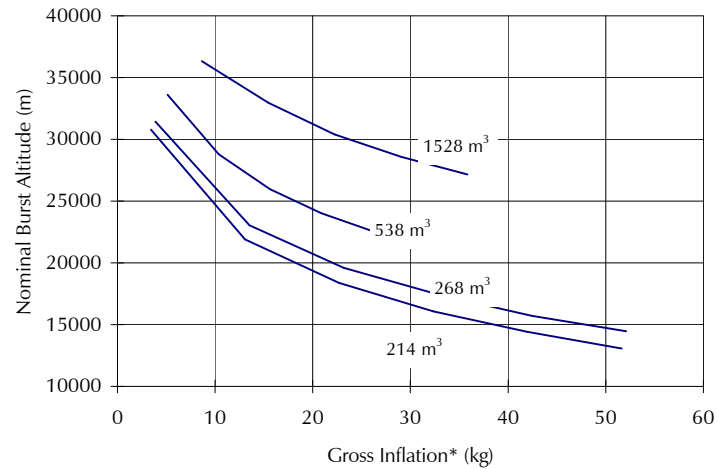


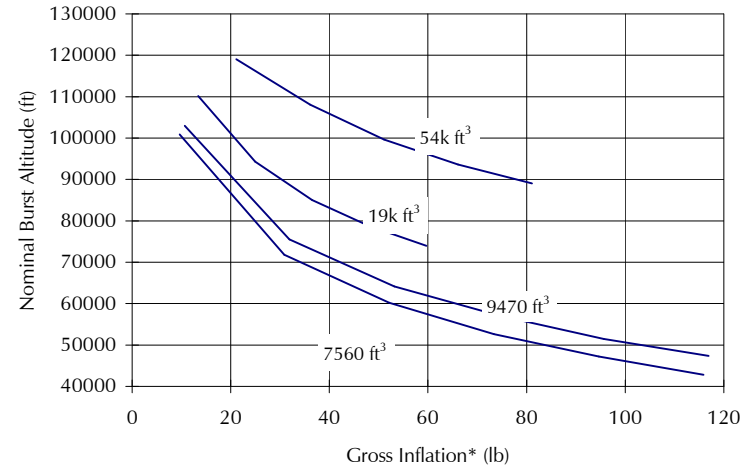


Sounding Balloon Performance Curves

7.6 μ Film Thickness



0.3 mil Film Thickness



Balloon Weights:

Volume m ³	Balloon Weight	Max Payload
	Kg	Kg
214	2.5	38.5
268	2.9	38.5
538	3.4	17.2
1528	6.2	22.2

Volume ft ³	Balloon Weight	Max Payload
	lb	lb
7560	5.5	85
9470	6.3	85
19000	7.5	38
54000	13.6	49

Aerostar International, Inc.

A Subsidiary of Raven Industries, Inc.
 186 County Road 3502
 Sulphur Springs, Texas 75482
 Phone: (903) 885-0728
 Fax: (903) 885-1032
balloon@aerostar.com

* Note: Sounding balloons are designed to rise until bursting. The bursting height is determined by the amount of helium in the balloon and the full volume of the balloon. The amount of helium is commonly referred to as the Gross Inflation (GI). For most flights:

$$GI = (\text{payload wt} + \text{balloon wt}) * 1.2$$

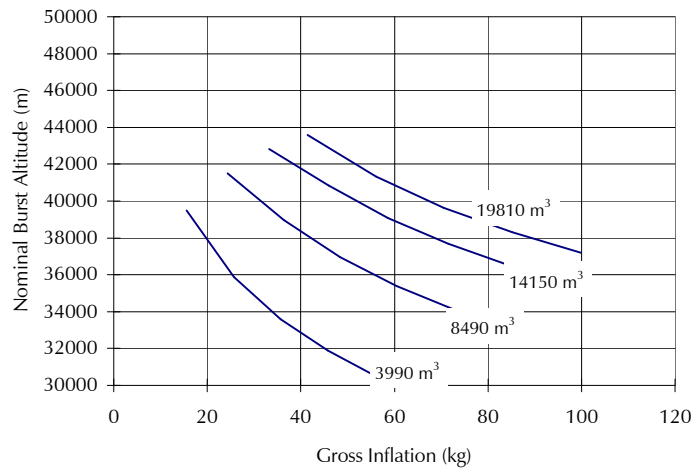
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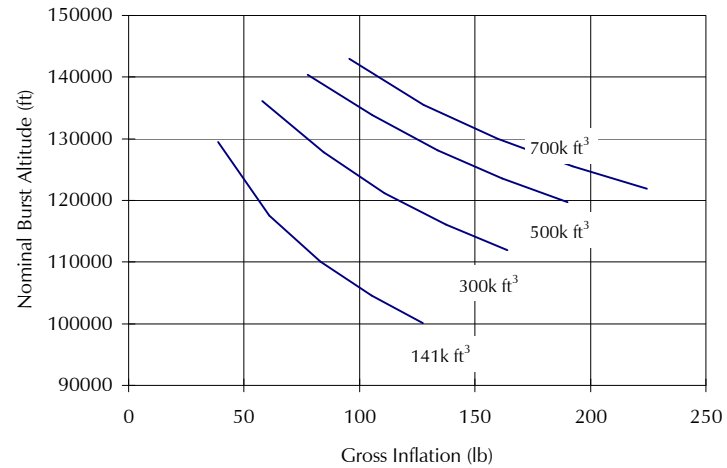


Sounding Balloon Performance Curves

7.6 μ Film Thickness



0.3 mil Film Thickness



Balloon Weights:

Volume m ³	Balloon Weight	Max Payload
	Kg	Kg
3990	11.4	32.7
8490	18.3	39.0
14150	25.5	41.3
19810	32.1	47.2

Volume ft ³	Balloon Weight	Max Payload
	lb	lb
141000	25.2	72
300000	40.4	86
500000	56.2	91
700000	70.7	104

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