

APOLLO LBNP EXPERIENCE

MEASUREMENT	PROTOCOL CONDITION	PREFLIGHT SUMMARY			POSTFLIGHT EVALUATIONS		
		n	Mean	S.D.	R+0	R+1	R+2
HEART RATE (bpm)	SUPINE RESTING	24	62	9	70 ↑	67	64
	-50 mm. Hg LBNP	18	76	13	109 ↑	92 ↑	83
	RECOVERY	18	59	9	67	64	61
SYSTOLIC BLOOD PRESSURE (mm. Hg)	SUPINE RESTING	24	115	8	112	118	119
	-50 mm. Hg LBNP	18	105	11	92 ↓	107	107
	RECOVERY	18	117	10	116	123	121
DIASTOLIC BLOOD PRESSURE (mm. Hg)	SUPINE RESTING	24	67	7	67	68	66
	-50 mm. Hg LBNP	18	72	7	67	69	71
	RECOVERY	18	71	6	73	71	69
CALF CIRCUMFERENCE (cm.)	SUPINE RESTING	24	37.5	1.6	36.4 ↓	36.9	37.1
CALF VOLUME CHANGE (% Δ)	-50 mm. Hg LBNP	18	3.1	0.7	2.7	3.0	3.0
	RECOVERY	18	0.5	0.3	0.3	0.7	0.5

DATA BASED ON 5-MINUTE MEAN VALUES AT EACH CONDITION AND THREE
PREFLIGHT TESTS FOR EACH CREWMEMBER OF:

APOLLO 7 - 8 - 9 AND 15 - 16 - 17 (R+2 not performed on Apollo 7)
(APOLLO 10 and 11 included for supine resting condition)

↑ = Statistically
significant
change