

PROPELLANT	HF	DENSITY	WEIGHT	MOLES	VOLUME
N2O	18.6500	.7220	1.0000	.0227	1.3850

GRAM ATOMS/100 GRAMS	
O	2.2721 N 4.5441

ENTHALPY = 42.37404 DENSITY = .722
 CSTAR = 3566.28

	CHAMBER	THR(SHIFT)	EXH(SHIFT)
PRESSURE (PSIA)	1000.000	546.619	14.700
EPSILON	.000	1.000	7.000
ISP	.000	78.407	170.755
ISP (VACUUM)	.000	138.998	182.160
TEMPERATURE(K)	1844.343	1612.375	660.974
MOLECULAR WEIGHT	29.344	29.343	29.342
MOLES GAS/100G	3.408	3.408	3.408
CF	.000	.707	1.541
PEAE/M (SECONDS)	.000	60.591	11.406
GAMMA	1.297	1.303	1.363
HEAT CAP (CAL)	29.563	29.098	25.405
ENTROPY (CAL)	183.371	183.371	183.372
ENTHALPY (KCAL)	42.375	35.313	8.880
DENSITY (G/CC)	1.31934E-02	8.24911E-03	5.41135E-04
ITERATIONS	12	3	6

GRAMS/100 GRAMS

O	.00065	.00008	.00000
O2	34.88939	35.07504	35.21704
O3	.00001	.00000	.00000
NO	.58574	.25149	.00002
NO2	.02033	.01111	.00006
N2	63.32896	63.49312	63.61786
N2O	.00034	.00011	.00000