

SP05A**Name** Veronica Loomis

Given: Mixture Ratio 5.5
Area Ratio 16
Oxidizer LOX
Fuel LH

Find Tc
C*
M
Isp, v

Analysis

Pc (Bar)	OF	T (K)	MW	CSTAR (m/s)	ISPV (m/s)	ISP(sec)
40		16 1563.140259	22.72205925	1710	3120.118408	318.0548836
50		16 1559.670044	22.72236633	1712	3121.952393	318.2418341
60		16 1556.937988	22.72259521	1714	3123.390137	318.3883931
80		16 1552.812744	22.72292328	1717	3125.551025	318.6086672
100		16 1549.766479	22.72314835	1719	3127.138916	318.7705317