

CONTENTS

	<i>Page</i>
ANALYSIS	1
RESULTS	3
References	5
Appendix I—List of Symbols	7
TABLES OF N_e AND η FOR ALL CASES	9
PURE GASES	13
Hydrogen	15
Helium	31
Nitrogen	49
Oxygen	77
Neon	109
Argon	145
SOLAR ATMOSPHERE	185
Chemical Composition	186
Gas Characteristics	187
Partition Functions	199
Ionization Fractions	331
Depression of Ionization Potentials	481