**KEY GANYMEDE OUTPUTS**

165800

PE ENERGY SUMS 6.11e-06 6.55e-05

NOON O2+ = 1.93e+12

NOON H2+ = 1.53e+11 PH2/PH2O = 2.43e+01

NOON WG+= 8.01e+12 WG/O2 = 7.35e+00

NOON H3+= 6.69e+10 H3/H2 = 4.38e-01

165800

NOON 1304 in Rayleighs = 4.18e+00 PO2/PH2O = 3.26e+00

NOON 1356 in Rayleighs = 7.32e+00 PO2/PH2O = 2.13e+01

NOON 1356/1304 ratio = 1.75e+00

MIDNIGHT O2+ = 1.93e+12

MIDNIGHT H2+ = 1.53e+11 PH2/PH2O = 2.43e+01

MIDNIGHT WG+= 8.01e+12 WG/O2 = 7.35e+00

MIDNIGHT H3+= 6.69e+10 H3/H2 = 4.38e-01

MIDNIGHT 1304 in Rayleighs = 2.64e+00 PO2/PH2O = 9.69e+04

MIDNIGHT 1356 in Rayleighs = 5.76e+00 PO2/PH2O = 6.34e+05

MIDNIGHT 1356/1304 ratio = 2.19e+00

nsumofions 1.13e+13 msumofions 2.92e+12 esum 5.42e+12

Noon: Prod Ions / Electron In 2.09e+00 Midnight: Prod Ions / Electron In 5.39e-01

Noon: Energy in / Energy out 2.56e+01 Midnight: Energy in / Energy Out 9.95e+01

Total Energy input in mW per meter squared 1.73e+00

170100

NOON O2+ = 4.47e+12

NOON H2+ = 2.66e+11 PH2/PH2O = 1.67e+01

NOON WG+= 1.76e+13 WG/O2 = 6.51e+00

NOON H3+= 1.18e+11 H3/H2 = 4.44e-01

170100

NOON 1304 in Rayleighs = 8.02e+00 PO2/PH2O = 2.02e+00

NOON 1356 in Rayleighs = 1.23e+01 PO2/PH2O = 2.17e+01

NOON 1356/1304 ratio = 1.53e+00

MIDNIGHT O2+ = 4.47e+12

MIDNIGHT H2+ = 2.66e+11 PH2/PH2O = 1.67e+01

MIDNIGHT WG+= 1.76e+13 WG/O2 = 6.51e+00

MIDNIGHT H3+= 1.18e+11 H3/H2 = 4.44e-01

MIDNIGHT 1304 in Rayleighs = 4.42e+00 PO2/PH2O = 6.02e+04

MIDNIGHT 1356 in Rayleighs = 9.70e+00 PO2/PH2O = 6.45e+05

MIDNIGHT 1356/1304 ratio = 2.19e+00

nsumofions 2.55e+13 msumofions 6.56e+12 esum 2.73e+13

Noon: Prod Ions / Electron In 9.35e-01 Midnight: Prod Ions / Electron In 2.41e-01

Noon: Energy in / Energy out 3.18e+02 Midnight: Energy in / Energy Out 1.23e+03

Total Energy input in mW per meter squared 4.83e+01

Photolysis producing H2+ 1.43e+10

Photolysis producing H+ 7.69e+10

Photolysis producing m16+ 2.42e+12

Photolysis producing O2+ 8.23e+11