

- Download /SOFT04 (+ IDL or GDL)
- Set IDL paths to local SOFT04 folder.
- To process data, execute "READOMEGA.PRO"

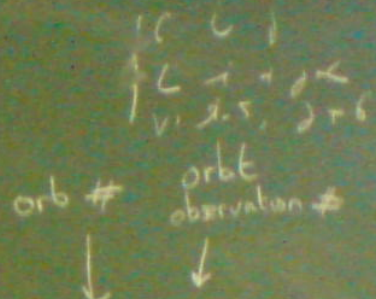
IDL > .RUN readomega.pro.

→ Give name of desired OMEGA observation. e.g. "ORB0041-1"

Output is variable JDAT (units Radiance $W m^{-2} sr^{-1} \mu m^{-1}$)

JDAT Format: JDAT[X, wavelength, Y]

Other outputs: WVL [wavelength] → wavelength ↔ channel table.
 SPECMARS ["] → Solar black body VNIR emission
 LATI [X, Y]; LONGI [X, Y] → lon / lat of each pixel.



Using IDL
IDL > PLOT, wvl, ydat(60, 0.255, 200)
↳ spectrum at pixel (60, 200)

IDL > TVSCL, ydat(*, 23, *)
↳ image at wavelength
channel #23 (~1.3 μm)

Surface reflectance:
RADIANCE \rightarrow i/F : divide by "Specmar's"
i/F \rightarrow Surface Reflectance } Needs an atmospheric
correction!
Based on variable
"ATMORAP"