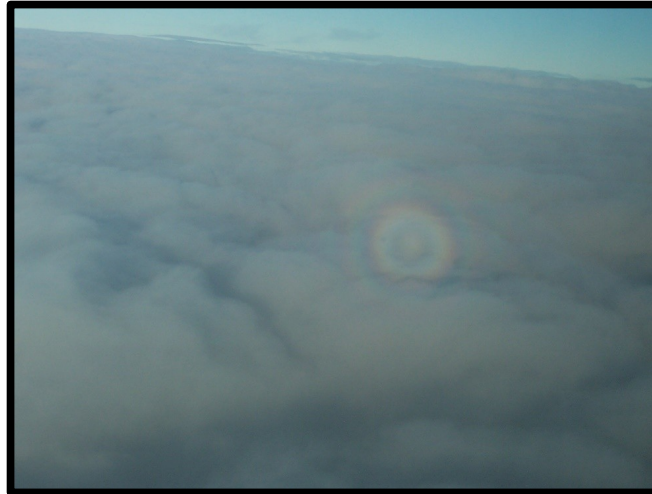


Basic Clouds Types

- High Clouds
- Middle Clouds
- Low Clouds



High Clouds: Definition

- Above 6 km
- Composed of Ice Crystals



High Clouds Names

- Cirrus (Ci)
- Cirrostratus (Cs)
- Cirrocumulus (Cc)



Middle Clouds: Definition

- 2-6 km
- Composed of Liquid, Solid, or Both



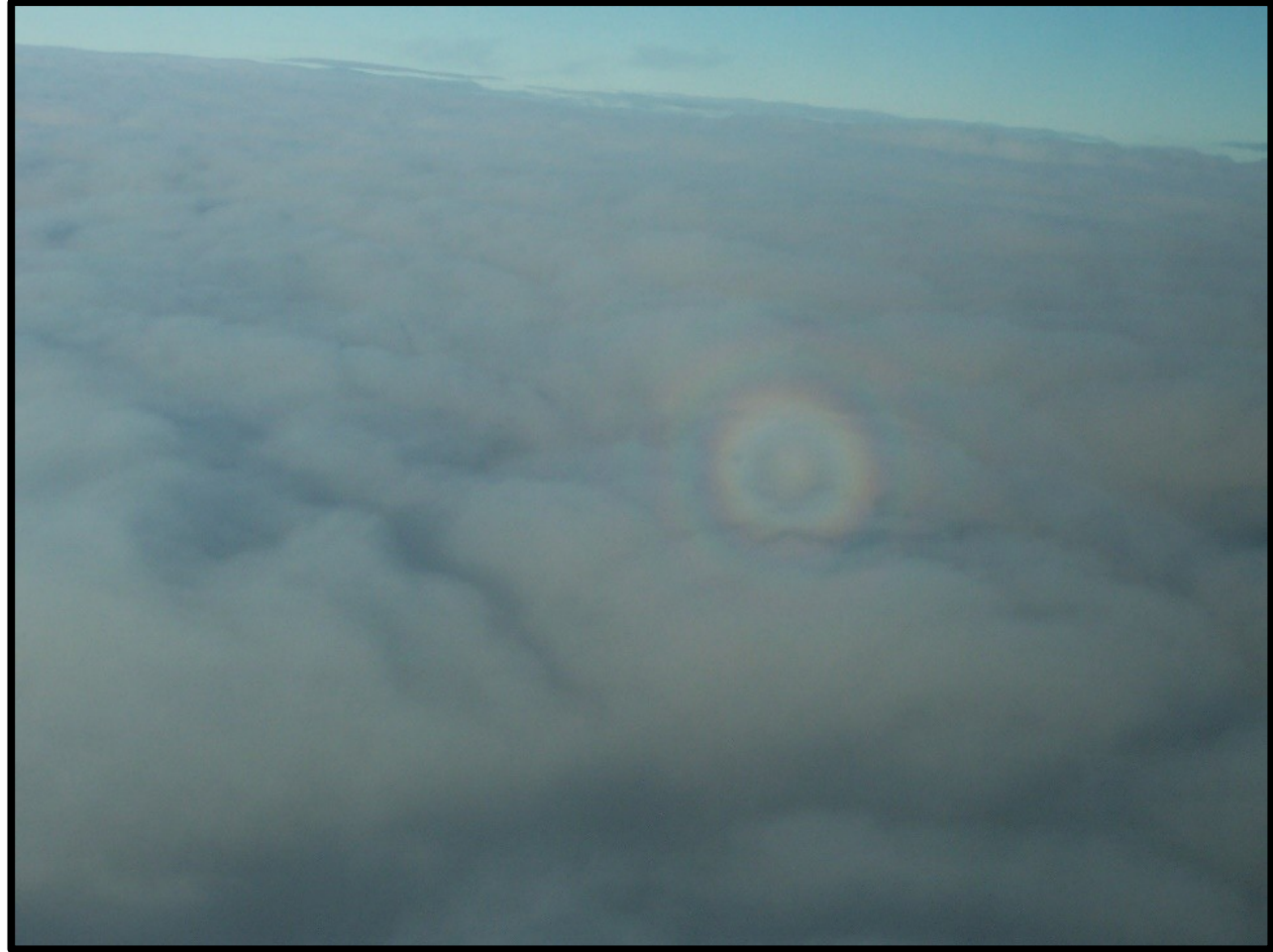
Middle Clouds: Names

- Altostratus (As) —→
- Altocumulus (Ac)



Low Clouds: Definition

- Below 2 km
- Composed Mostly of Liquid Water



Clouds with Vertical Development

- Often liquid near base and ice near the top.



Clouds with Vertical Development: Names

- Cumulus (Cu)
- Cumulonimbus (Cb)



Appearance of Water versus Ice

- Edges of ice clouds tend to be smoother due to ->
- Larger particles take longer to evaporate (sublimate)
- Ice requires more energy to go to the vapor state than liquid
- Number concentration differences (fewer ice crystals per volume)

