Snow Water Equivalent Debris cover, dust, and black carbon Aerosol scatting and absorption
Stable water isotopes Above-ground biomass Cloud properties Soil bulk density Glacier mass balance Permafrost and so Evapotranspiration and Surface shortwave radiation Atmospheric pressure River discharge Glacier melt / runoff Aerosol layer height Groundwater levels Snow melt / runoff Mountain Block Recharge Topography Dynamic groundwater storage Snow microstructure Natural Hazards Sensible heat flux Mountain Front Recharge Soil thickness Soil carbon Vegetation perbutation Glacier surface elevation Greenhouse gasses Surface water inundation Snow covered area Snow depth Surface longwave radiat Geopotential height

Lake surface temperature Aerosol properties Nitrogen deposition Environmental lapse rates Vegetation species abundancies and extents

Fraction of Absorbed Photosynthetically Active Radiation