Fig 1. Flight path.
Figure 2: Altitude as function of elapsed time.
Fig 3: Stability profile. Red is ambient temperature, Green is dew point temperature.
FIG 4: Condensation nuclei concentration as function of elapsed time. Blue is measured by a TSI 3025 ultrafine CPC, red is measured by a TSI 3010 CPC.
Fig 5: Number and volume concentration of particles in the 0.1 to 3 micrometer diameter range measured by the Passive Cavity Aerosol Spectrometer Probe (PCASP). Red is number of particles per CC, Green is volume (in micrometers cubed) per CC.
Fig 6: Number and volume concentration of cloud drops in the 1 to 50 micrometer diameter range measured by the CAPS/CAS probe. Red is number of drops per CC, green is volume in cubic centimeters per cubic meter (or liquid water content equivalent).
FIG 7: Number and volume concentration of precipitation drops in the 50 - 1550 micron diameter range measured by the CAPS/CIP probe. Red is number and green is volume as in Fig 6.
Fig 8: Wind direction (red). Green is aircraft heading for quality check.
Fig 14: Wind speed.
Fig 10: Vertical wind