**CPEX Dropsonde Ver2 Read Me File**

Preliminary quality checked but not final dropsonde data. Issues with the data have been identified, including problems with the GPS latitude/longitude, and will be corrected in the final version. Some notes regarding the usability of the data:

1. Useful data normally begins when the Fall Speed (column H) is 10 m/s or higher
2. The most accurate height to use is the Hydrostatic altitude (column AB)
3. Lines 1-26 contain header information including
4. Line 14 – number of data records
5. Line 25-26 - parameter label and units
6. Line 27 -9999999 (end varies per file) include:

A - Year/Mon/Day

B- Time (HH:MM:SS.ss)

C - Pressure (mb)

D - Temperature (deg C)

E - RH (%)

F - v wind speed (m/s)

G - u wind speed (m/s)

H - Fall Speed (m/s)

I - GPS Altitude (m)

J - Surface Temperature (deg C)

K - Longitude Diff (deg)

L - Latitude Diff (deg C)

M - Internal Temperature (deg C)

N - RH Sensor Temperature (deg C)

O - IR Sensor Temperature (deg C)

P - Battery Voltage (volts)

Q - GPS Lock (seconds)

R - Sonde ID

S - Be

T - Accel. Temperature (deg C)

U - Accel RH (%)

V - Dew Point Temperature (deg C)

W - Potential Temperature (deg K)

X - Equivalent Potential Temperature (deg K)

Y - Wind Speed (m/s)

Z - Wind Direction (deg.)

AA - F\_altitude (m above msl)

AB - Hydrostatic\_height (m above msl)

AC- Latitude (deg)

AD - Longitude (deg)