

GoPro Hero 3 – Raw Data Metadata Notes

The following document outlines the naming convention and general field protocol used for the GoPro Hero 3 digital hemispherical photographs that were taken during the TLSIIG field campaign at Brisbane 26/7 – 02/08/2013.

- Naming convention: where possible, the TERN AusCover metadata naming convention was used with some extra description fields added to the name (highlighted in red), e.g.

“dchmre_gopro_153088142e27627149s_aa0g0_h120_d00_E”

“dchmre_gopro_153088142e27627149s_aa0g0_h120_d00_IE”

“dchmre_gopro_15308935e27624902s_aa0g0_h120_d00_Tb_3”

Where the highlighted fields are; gopro = camera identifier as it differs from the normal DHP camera, ‘E’ (or other letter) = TLS scan position East, ‘IE’ (or other letter) = Interval DHP position East, ‘Tb’ = TRAC transect b (90°-270°) for the particular field site, and ‘3’ = the photograph number along the TRAC transect (should be 11 photos in total).

- Protocol: in general, the sampling protocol displayed in the diagram below was followed.

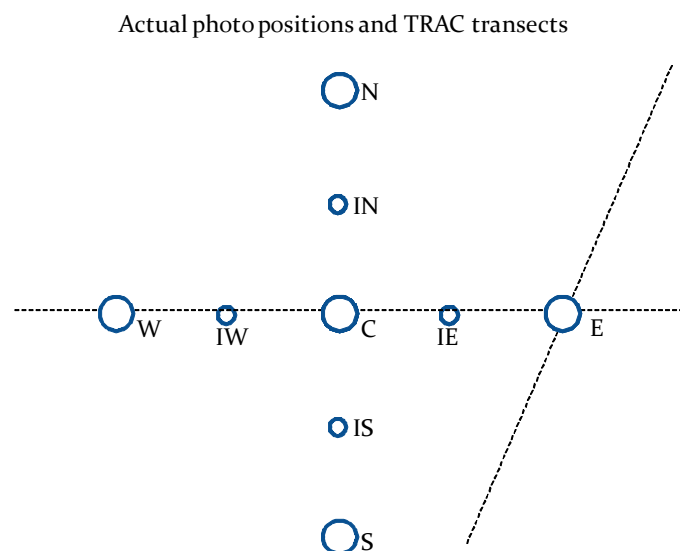


Figure 1 - DHP / GoPro / TRAC sampling strategy

The TRAC transects in Figure 1 were used only as a guide as the exact positions used depended on the angle of the sun at the time of measurement. All TRAC transects were laid

out orthogonal to the sun. However, the main 9 photo positions (N, IN, C etc.) were sampled at each of the sites.

- Photograph height: All of the photos were taken at the same height as the TLS sensors being used. This corresponded to 1.20 m at the lens of the camera.
- Where possible, all photographs were taken under diffuse lighting conditions.