

Height-

Duration

1.917

1.766

Tri-variate

 T^2

(c) **Diagnostics Feature** T^2 **Combination** Length 0.815 **Uni-variate** Height 0.259 T^2 **Duration** 0.287 **Duration**-1.067 Height

Height-

Length

Duration-

Length

Bi-variate

 T^2

Ellipse Charts (d) Duration-Height \odot Duration 1.05 96. 90.105 0.115 0.125 **Height (m)** 0.135 (e) Height-Length Height (m) 0.125 0.0.25 0.30 0.35 0.40 Length (m) (f) Duration-Length **Duration (s)**

Control

Limit

0.954

0.529

1.705

1.744

0.996

1.723

1.00

0.25

0.30

0.35

Length (m)

0.40

1.916

0.888