Impact direction ►

D 0 TIBI UP 00 PL AC X ?	Tibia Acceleration X	transducer
D 0 TIBI UP 00 PL AN Y ?	Bending Angle Tibia Y	transducer
D 0 FEMR 00 00 PL AN Y ?	Bending Angle Femur Y	transducer
D 0 KNEE 00 00 PL AN Y ?	Bending Angle effective Y	calculation
D 0 KNEE 00 00 PL DS X ?	Shear Displacement X	calculation

negative shear displacement values if tibia is retained against femur

D 0 FEMR 00 OR PL DS X V	Position X	filmanalysis
D 0 FEMR 00 OR PL DS Y V	Position Y	filmanalysis
D 0 FEMR 00 OR PL DS Z V	Position Z	filmanalysis
D 0 FEMR 00 OR PL AN X V	Orientation in lateral Plane YZ	filmanalysis
D 0 FEMR 00 OR PL AN Y V	Orientation in longitudinal Plane XZ	filmanalysis
D 0 FEMR 00 OR PL AN Z V	Orientation in horizontal Plane XY	filmanalysis

D 0 TIBI UP 00 PL DS X ?	Indentation at Hit Point X	calculation

D 0 FEMR 00 00 PL VE X ?	Impact Velocity - Direct Measurement	transducer
D 0 FEMR 00 00 PL VD X ?	Impact Velocity - Differ. from Displ.	calculation
D 0 FEMR 00 00 PL VA X ?	Impact Velocity - Integr. from Accel.	calculation