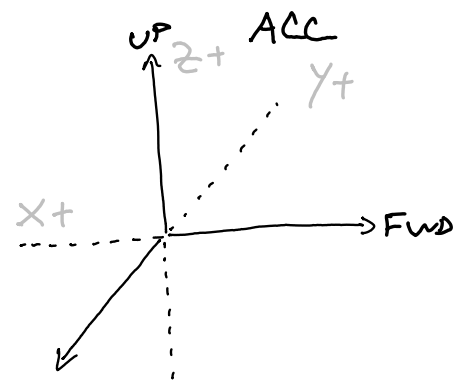
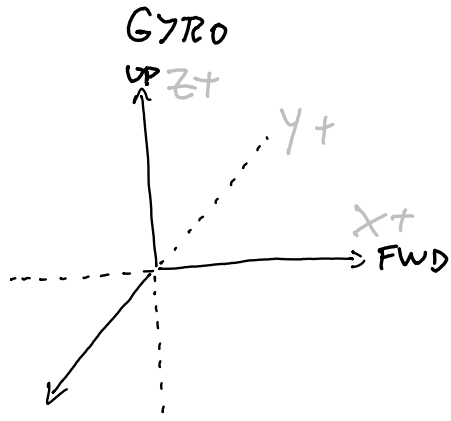
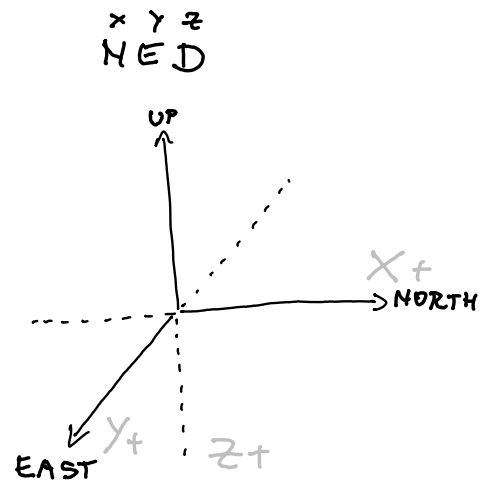
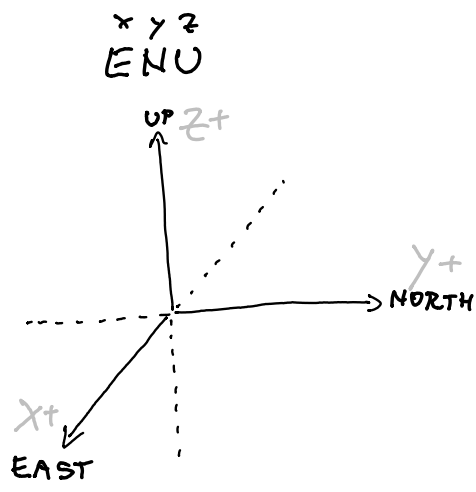
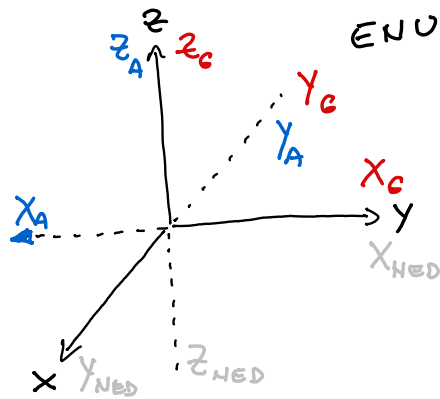


GYRO

ACC

Axis names
PRESUMED
same as for
Gyro





$$G \rightarrow ENV \Leftrightarrow \begin{pmatrix} x_e \\ y_e \\ z_e \end{pmatrix} \rightarrow \begin{pmatrix} -y_e \\ x_e \\ z_e \end{pmatrix} \begin{matrix} -b \\ d \\ i \end{matrix} \quad \begin{pmatrix} 0 & -1 & 0 \\ 1 & 0 & 0 \\ 0 & 0 & 1 \end{pmatrix}$$

$$A \rightarrow ENV \Leftrightarrow \begin{pmatrix} x_A \\ y_A \\ z_A \end{pmatrix} \rightarrow \begin{pmatrix} -y_A \\ -x_A \\ z_A \end{pmatrix} \begin{matrix} -b \\ -d \\ i \end{matrix} \quad \begin{pmatrix} 0 & -1 & 0 \\ -1 & 0 & 0 \\ 0 & 0 & 1 \end{pmatrix}$$

$$ENV \rightarrow NED \Leftrightarrow \begin{pmatrix} x \\ y \\ z \end{pmatrix} \rightarrow \begin{pmatrix} y \\ x \\ -z \end{pmatrix} \begin{matrix} b \\ d \\ -i \end{matrix} \quad \begin{pmatrix} 0 & 1 & 0 \\ 1 & 0 & 0 \\ 0 & 0 & -1 \end{pmatrix}$$

$$\begin{pmatrix} a & b & c \\ d & e & f \\ g & h & i \end{pmatrix} \cdot \begin{pmatrix} x \\ y \\ z \end{pmatrix} = \begin{pmatrix} ax + by + cz \\ dx + ey + fz \\ gx + hy + iz \end{pmatrix}$$