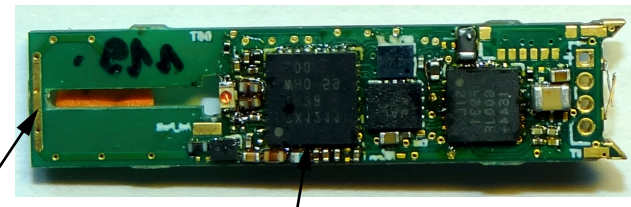
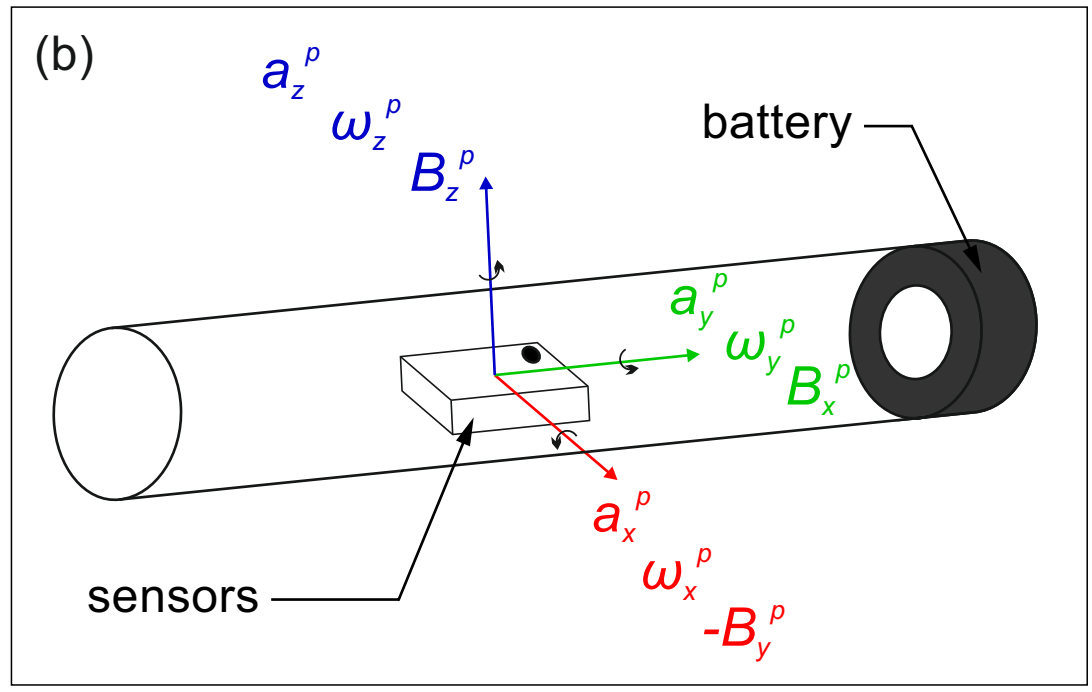
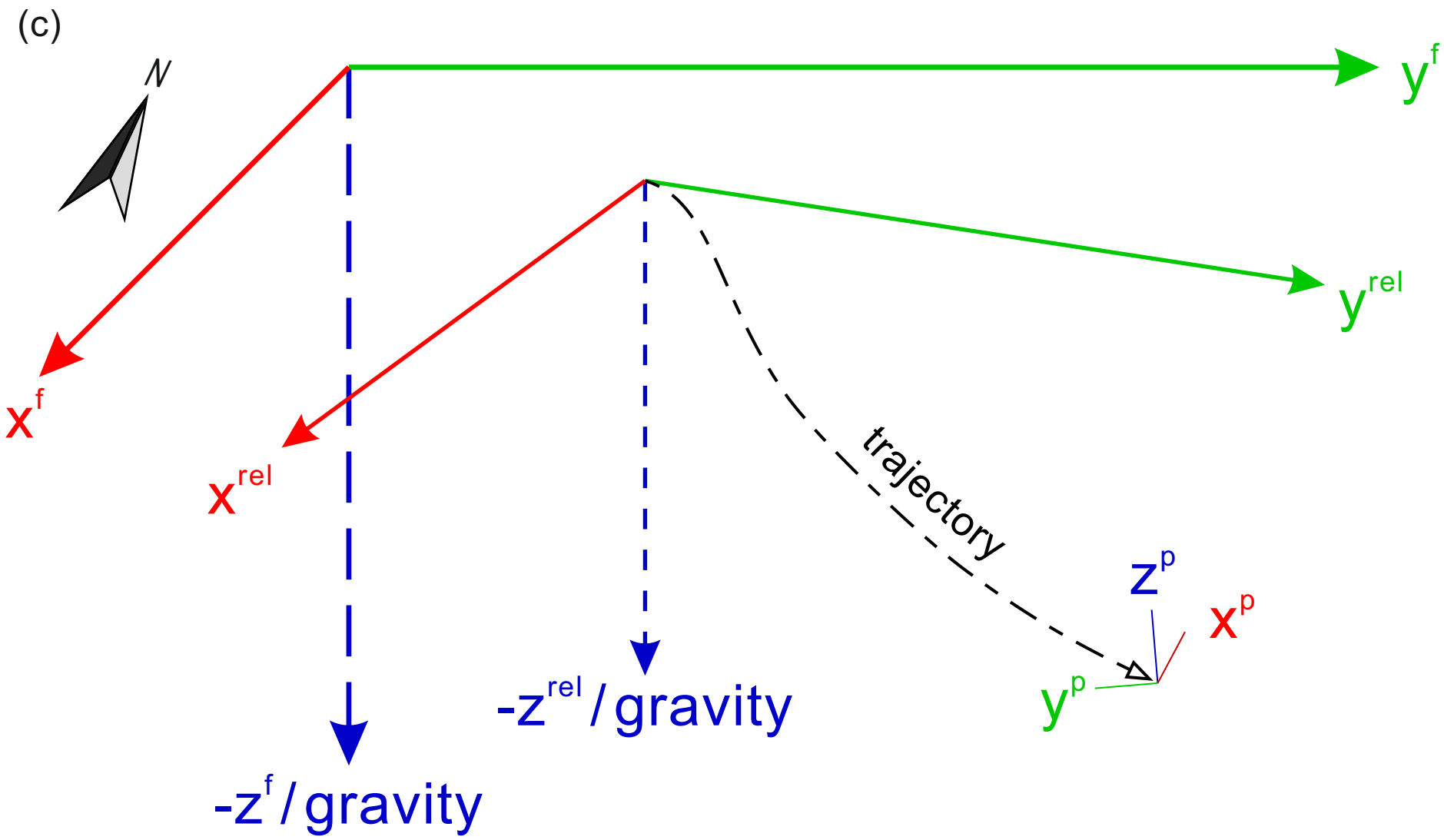
(a)


antenna
sensors
battery
10 mm
55 mm

(b)


a_z^p
ω_z^p
B_z^p
battery
a_y^p
ω_y^p
B_x^p
a_x^p
ω_x^p
$-B_y^p$
sensors

(c)


N
y^f
y^{rel}
x^f
x^{rel}
trajectory
z^p
x^p
y^p
$-z^{rel}$ / gravity
$-z^f$ / gravity