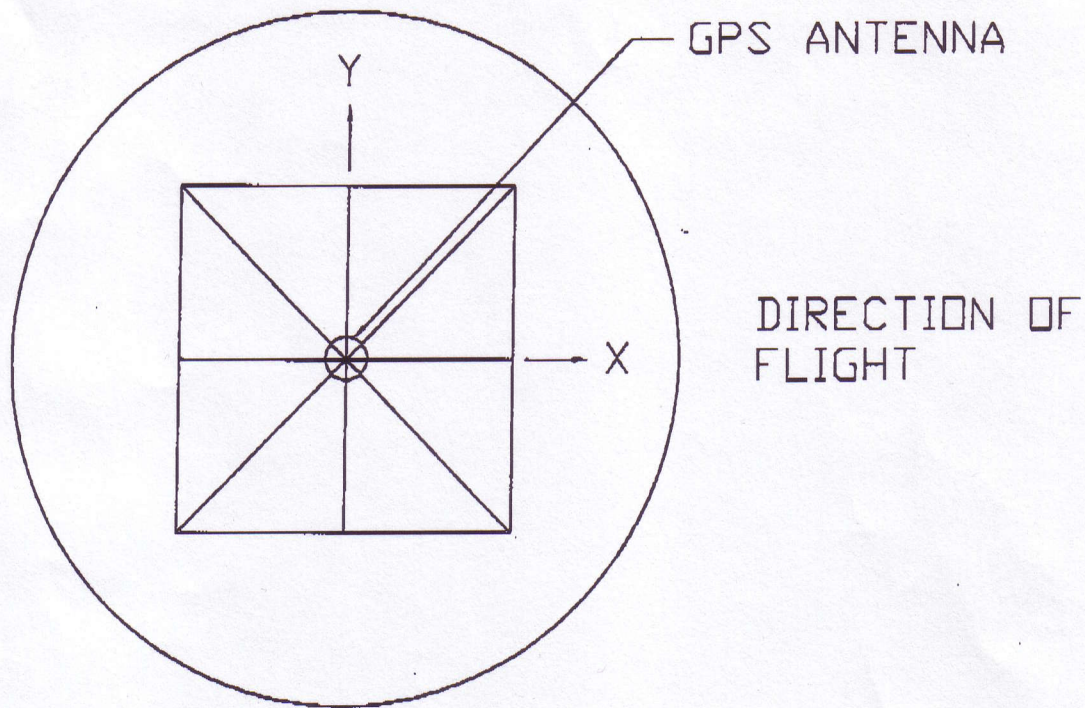


GPS ANTENNA TO CAMERA OFFSET
TUCK MAPPING SOLUTIONS, INC.
PIPER NAVAJO N191TA, CAMERA 5364, LENS 13415
CAMERA CALIBRATION JULY 9, 2003



X=0 METERS

Y=0 METERS

Z=1.487 METERS (ENTRANCE NODE TO ANTENNA)

FILM PLANE TO ENTRANCE NODE= 0.277 METERS

ANTENNA TO FILM PLANE= 1.2095 METERS