

Offset GPS Measurements

Data Sheet

Data Recorded By: _____

Date Recorded: Year _____ Month: _____ Day: _____

Circle Site type: School Atmosphere Hydrology

Soil _____ Land Cover Phenology

Other: _____

Site Name: _____

School Name: _____

School Address: _____

Offset GPS Measurements

Measured Latitude: _____ degrees N or S (circle one)

Measured Longitude: _____ degrees W or E (circle one)

Direction from GLOBE site to offset location: N or S (circle one)

Distance from GLOBE site to offset location: _____ meters

Computations

Change in Latitude = $\frac{\text{Distance: } ______ \text{ meters}}{110,000 \text{ meters/degree}}$ = _____ degrees

GLOBE Site's Latitude:

If offset location is *further* from Equator than the study site:

GLOBE site latitude = _____ (Measured Latitude) - _____ (Change in latitude) = _____ degrees N or S
(circle one)

If offset location is *closer* to the Equator than the study site:

GLOBE site latitude = _____ (Measured Latitude) + _____ (Change in latitude) = _____ degrees N or S
(circle one)

GLOBE site's longitude: _____ W or E (circle one)

Same as Measured Longitude at the Offset location

GLOBE site's elevation: _____ From a local topographic map using your site's latitude and longitude