Offset GPS Measurements

Data Sheet

Data Recorded By: _____

Date Recorded: Year_____ Month:_____ Day:_____

Circle Site type: School Atmosphere Biosphere Hydrosphere Soil (Pedosphere) 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 = $\frac{\text{Distance:}\_\_\_\_\_\text{meters}}{\text{110,000 meters/degree}} = \_\_\_\_\_\text{degrees}$

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