

Skyscapes, Cosmology and Archaeology

Discussion
Week 5

MA CAA Module AHAN7043 :: March 2017

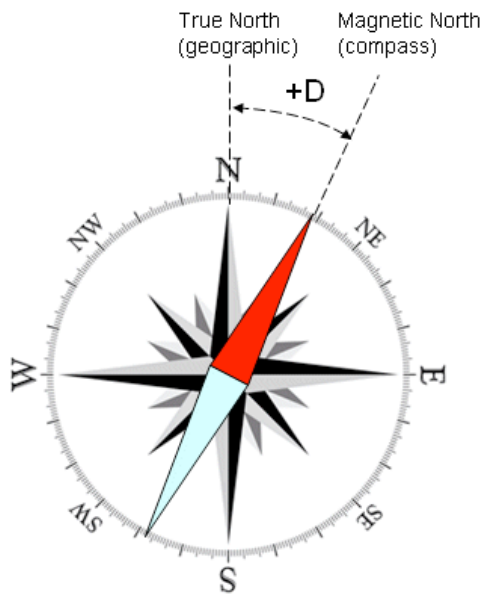
Skyscapes, Cosmology and Archaeology Week 4 Hands-On Exercise

Week 4

What is the orientation of your street?

Use a compass or a smartphone/tablet app to measure the orientation of your street.

Skyscapes, Cosmology and Archaeology Week 4 Hands-On Exercise

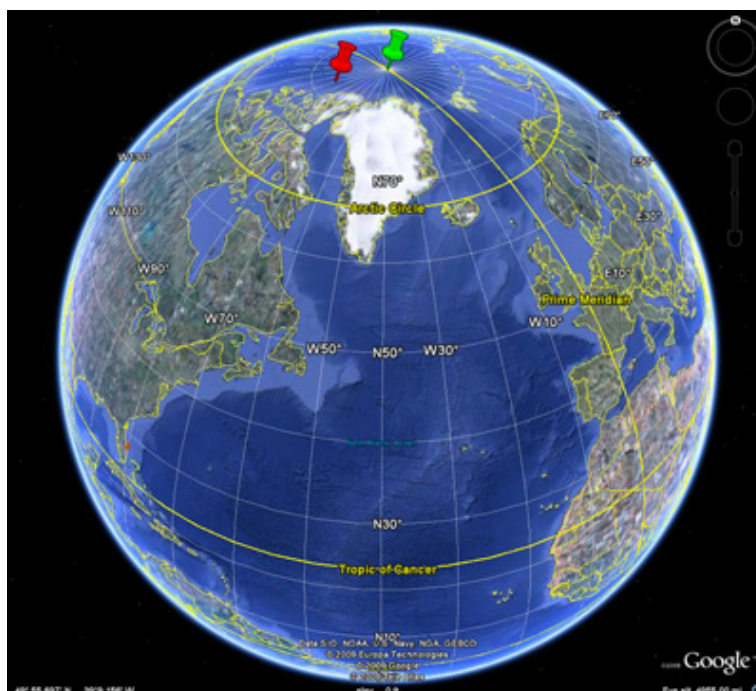


True North and Magnetic North are not the same! Hence *true azimuth* and *magnetic azimuth* are not the same

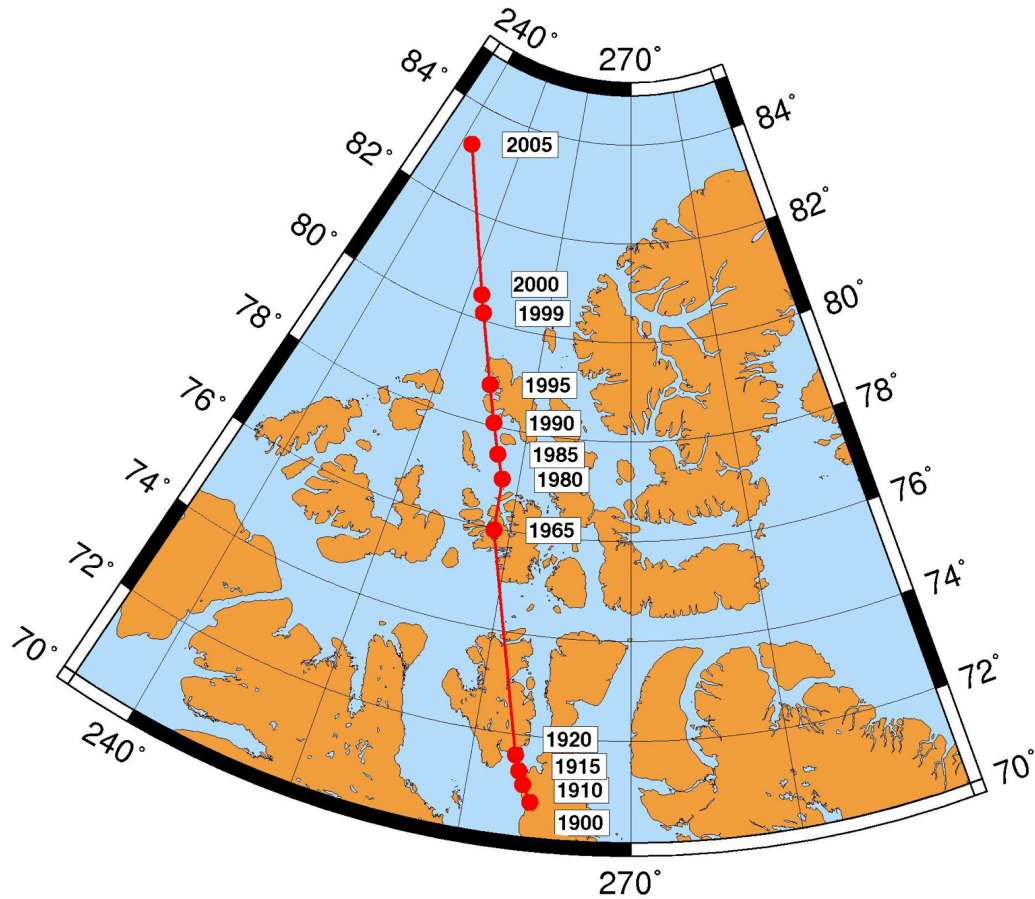
The difference between the two is called
Magnetic Declination

When using a compass you are taking magnetic azimuth readings. You need to correct then for True North.

Skyscapes, Cosmology and Archaeology Week 4 Hands-On Exercise



IGRF Model Dip North Pole



Skyscapes, Cosmology and Archaeology Week 4 Hands-On Exercise

<http://www.ngdc.noaa.gov/geomag/declination.shtml>

Calculate Declination

Latitude:	41.5	☐ S ☒ N
Longitude:	7.8	☒ W ☐ E
Model:	☒ WMM (2014-2019) ☐ IGRF (1590-2019)	
Date:	Year 2014 Month 10 Day 5	
Result format:	☒ HTML ☐ XML ☐ CSV ☐ PDF	
Calculate		

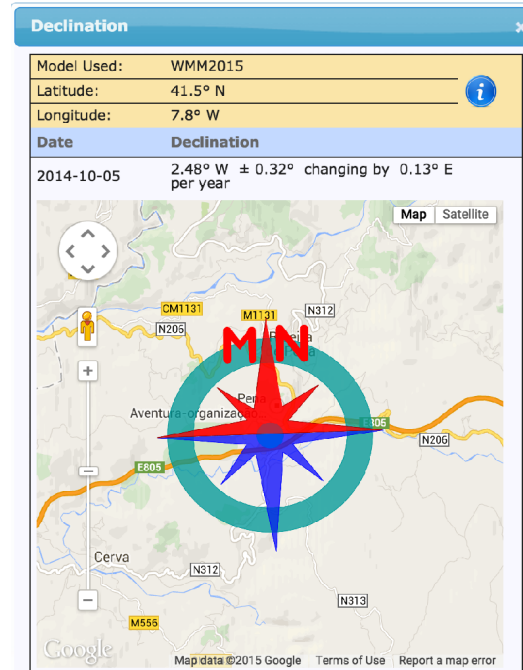
Skyscapes, Cosmology and Archaeology

Week 4 Hands-On Exercise

<http://www.ngdc.noaa.gov/geomag/declination.shtml>

Calculate Declination

Latitude:	41.5	☐ S ☒ N
Longitude:	7.8	☒ W ☐ E
Model:	☒ WMM (2014-2019) ☐ IGRF (1590-2019)	
Date:	Year 2014 Month 10 Day 5	
Result format:	☒ HTML ☐ XML ☐ CSV ☐ PDF	
Calculate		



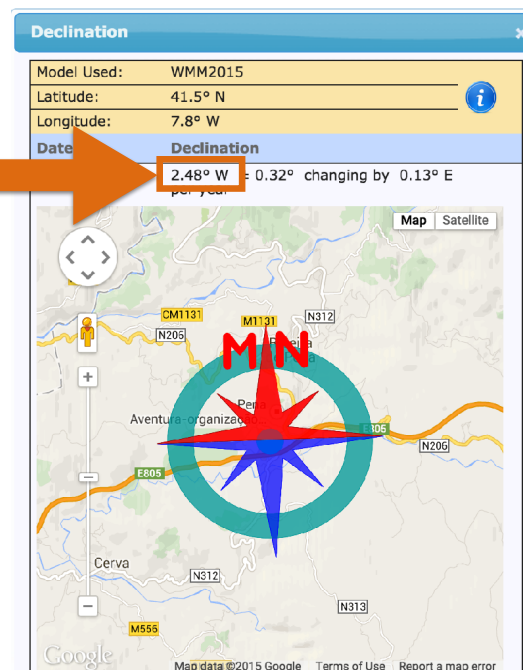
Skyscapes, Cosmology and Archaeology

Week 4 Hands-On Exercise

<http://www.ngdc.noaa.gov/geomag/declination.shtml>

Calculate Declination

Latitude:	41.5	☐ S ☒ N
Longitude:	7.8	☒ W ☐ E
Model:	☒ WMM (2014-2019) ☐ IGRF (1590-2019)	
Date:	Year 2014 Month 10 Day 5	
Result format:	☒ HTML ☐ XML ☐ CSV ☐ PDF	
Calculate		



Skyscapes, Cosmology and Archaeology

Week 5 Hands-On Exercise

Week 5

What is the azimuth of the rising/setting moon?

Use a compass or a smartphone/tablet app to measure the azimuth where the moon is rising/setting.

Skyscapes, Cosmology and Archaeology

Thought of the Week

- This section includes a question for you to think about during your readings of the week.
- Share your thoughts on the facebook page.
- You might even find yourself taking notes that you can use for your essays.

Week 5

What constitutes 'evidence' in Archaeoastronomy?