

# TV Satellite positions

**Optus C1 at 156.0°E** - Azimuth & elevation in Wanganui, New Zealand: 331.8° & 39.8°

**Optus D1 at 160.0°E** - Azimuth & elevation in Wanganui, New Zealand: 337.3° & 41.2°

**Optus D2 at 152.0°E** - Azimuth & elevation in Wanganui, New Zealand: 326.5° & 38.0°

**Optus D3 at 156.0°E** - Azimuth & elevation in Wanganui, New Zealand: 331.8° & 39.8°

**Intelsat 18 at 180.0°E** - Azimuth & elevation in Wanganui, New Zealand: 7.7° & 43.5°

**Intelsat 19 at 166.0°E** - Azimuth & elevation in Wanganui, New Zealand: 346.1° & 42.9°

**Eutelsat 172B at 172.0°E** - Azimuth & elevation in Wanganui, New Zealand: 355.3° & 43.7°

*Magnetic deviation 22 degrees east in 2015*



15B

D1

D3&C1

D2

11

Magnetic North

9

12

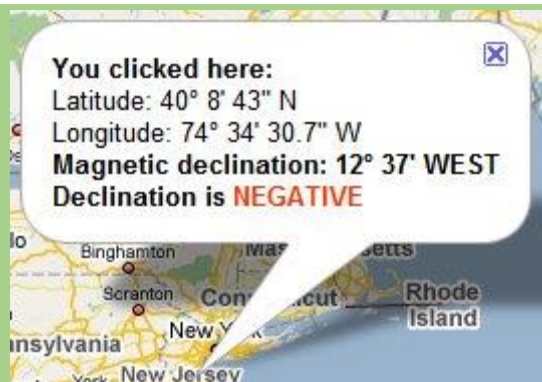
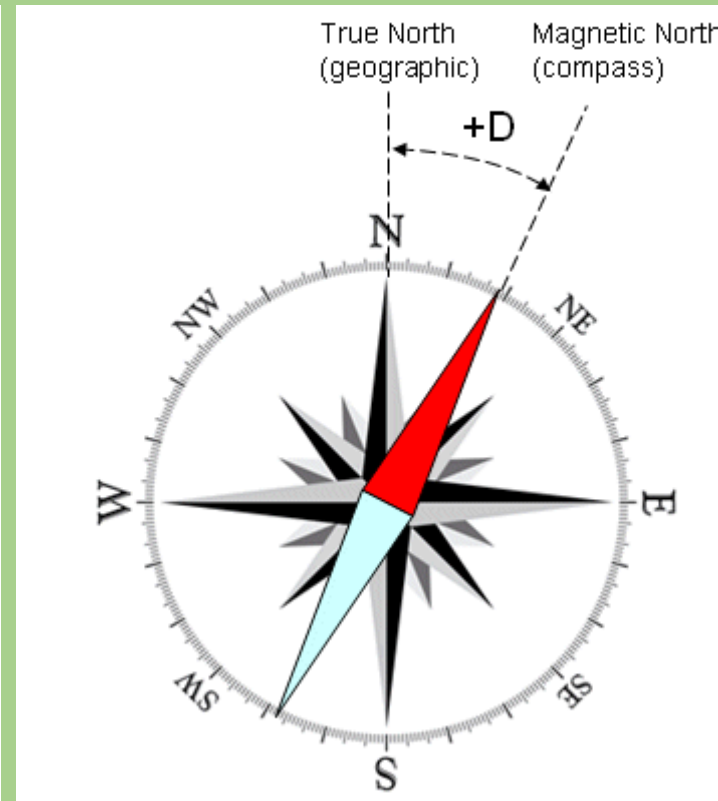
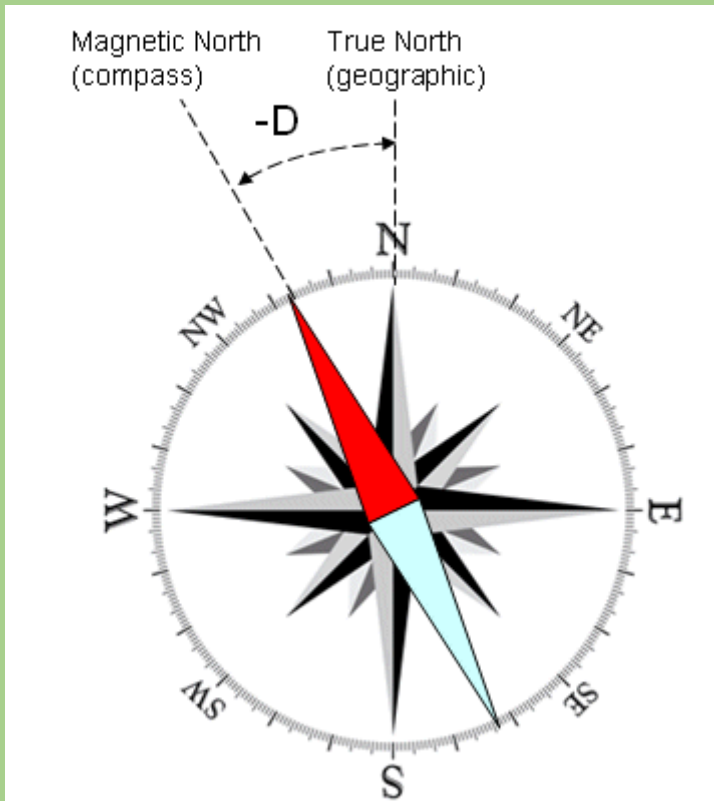
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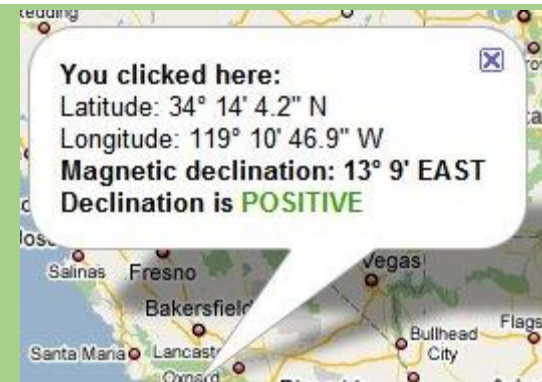
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If the compass at your place is pointing **clockwise** with respect to the True North, declination is **positive** or **EAST**

If the compass at your place is pointing **counter-clockwise** with respect to the True North, declination is **negative** or **WEST**



Negative declination (WEST)



Positive declination (EAST)

