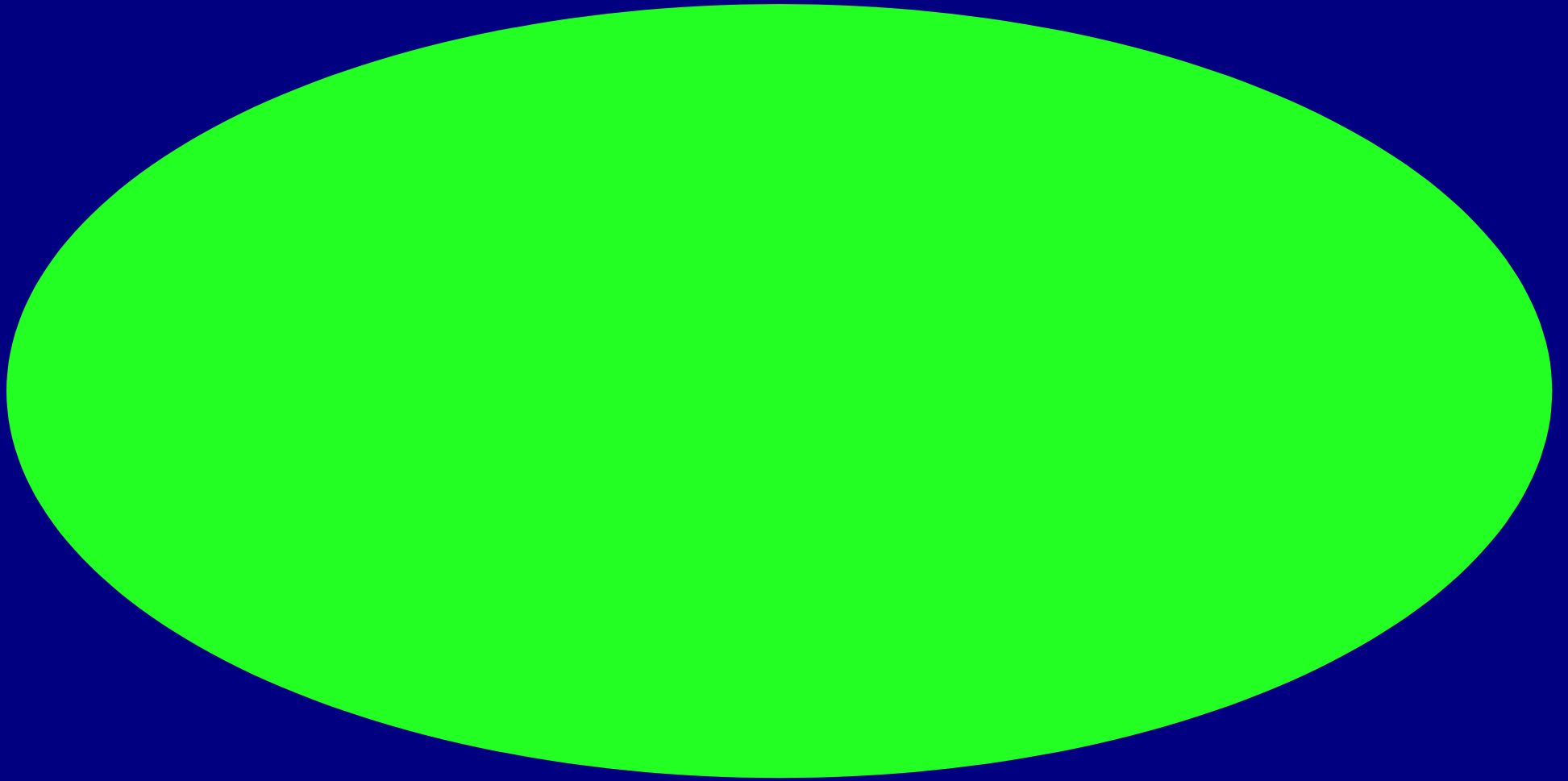
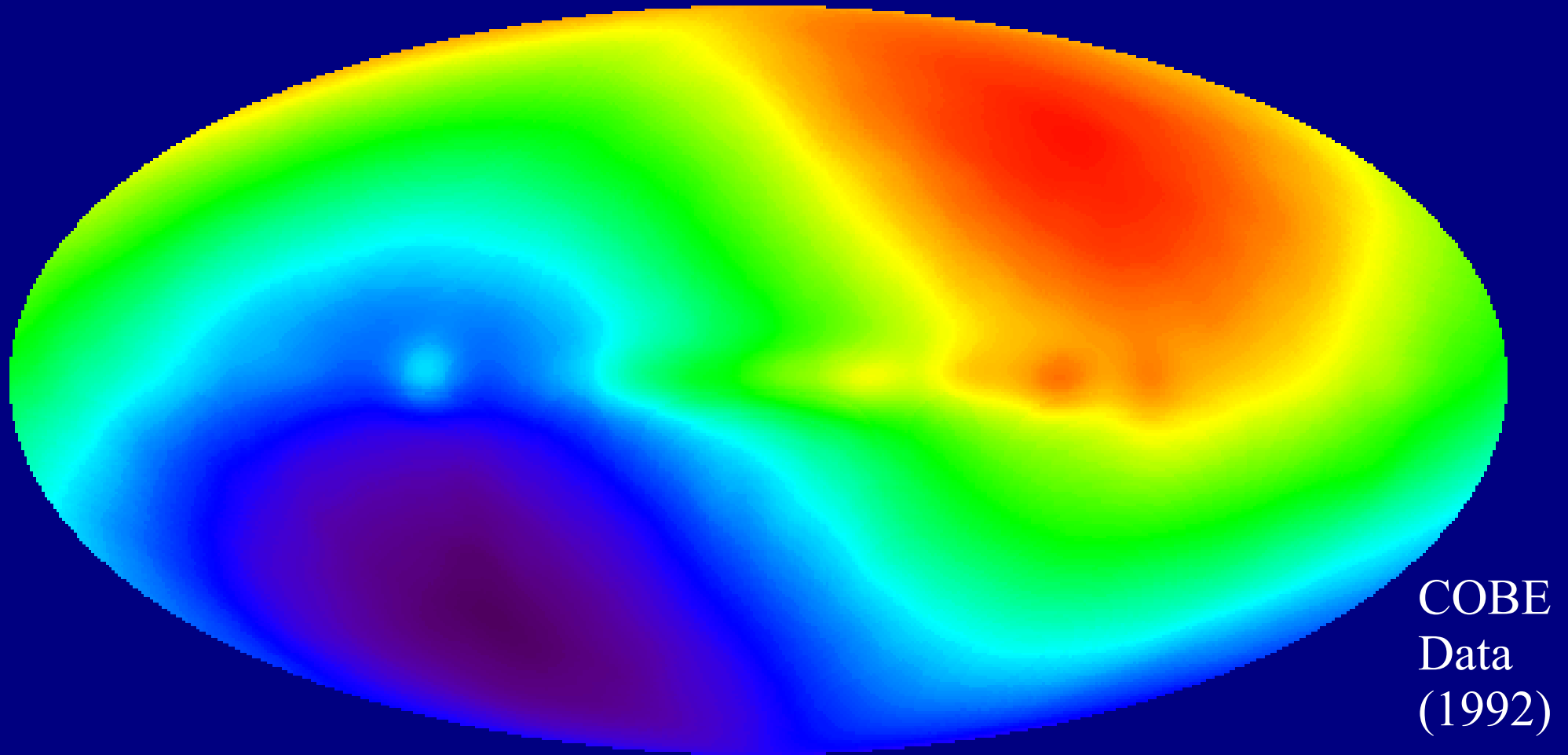


Cosmic Microwave Background All-Sky Map



Blackbody, $T=2.728$ K

CMB Anisotropy 1 : Dipole

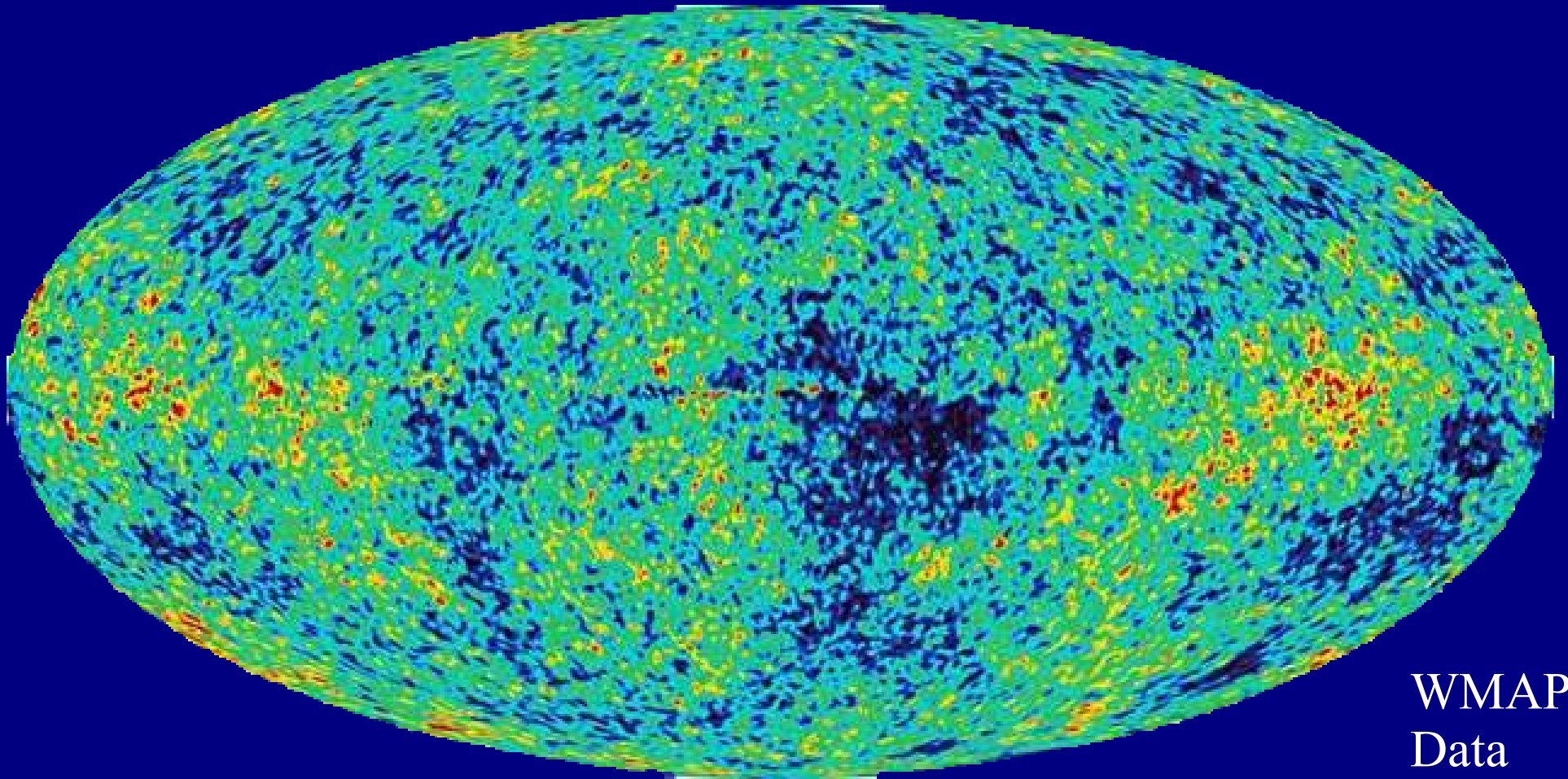


COBE
Data
(1992)

Motion of Sun (Galaxy, Local Group) Relative to CMB

3.346 ± 0.017 mK towards $(l,b) = (263.85^\circ, 48.25^\circ)$

CMB Anisotropy 2 : Spatial Fluctuations



WMAP
Data
(2003)

Maximum Fluctuation Amplitude: $74.5 \pm 0.5 \mu\text{K}$

The CMB maybe provides an absolute reference frame for our Universe, but that absolute reference frame doesn't mean anything because there is no way to physically determine whether we are in that frame of reference without being able to see the CMB. Since that frame will display all of the same physics as any other inertial frame (I'll assume the reference frame is inertial since we don't know about anything outside of the universe), it is identical to all other inertial frames by the Principle of Relativity.