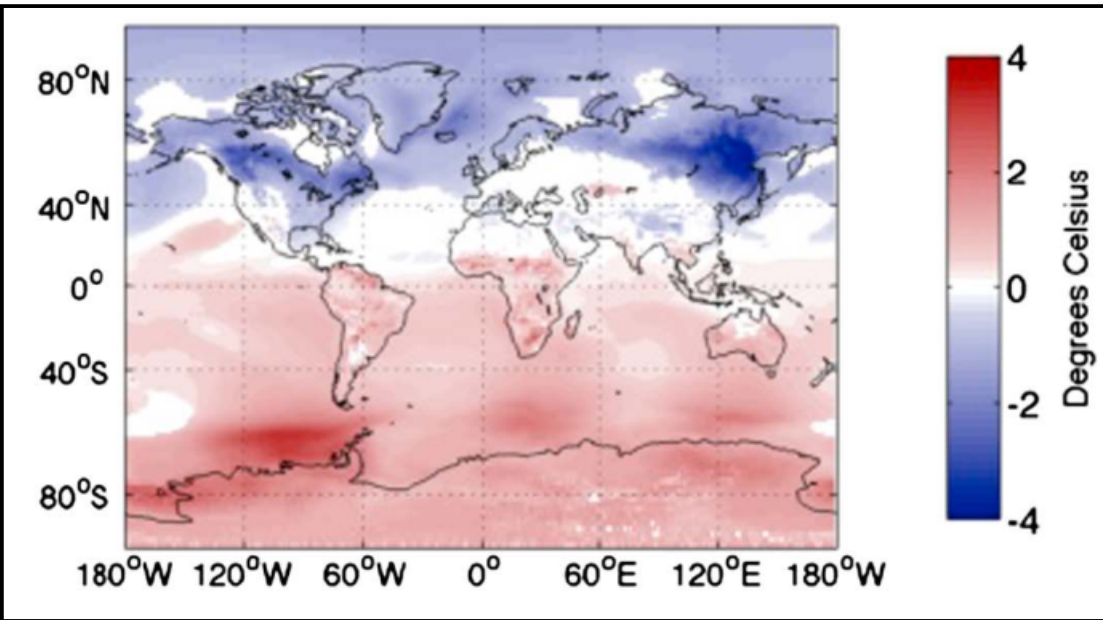
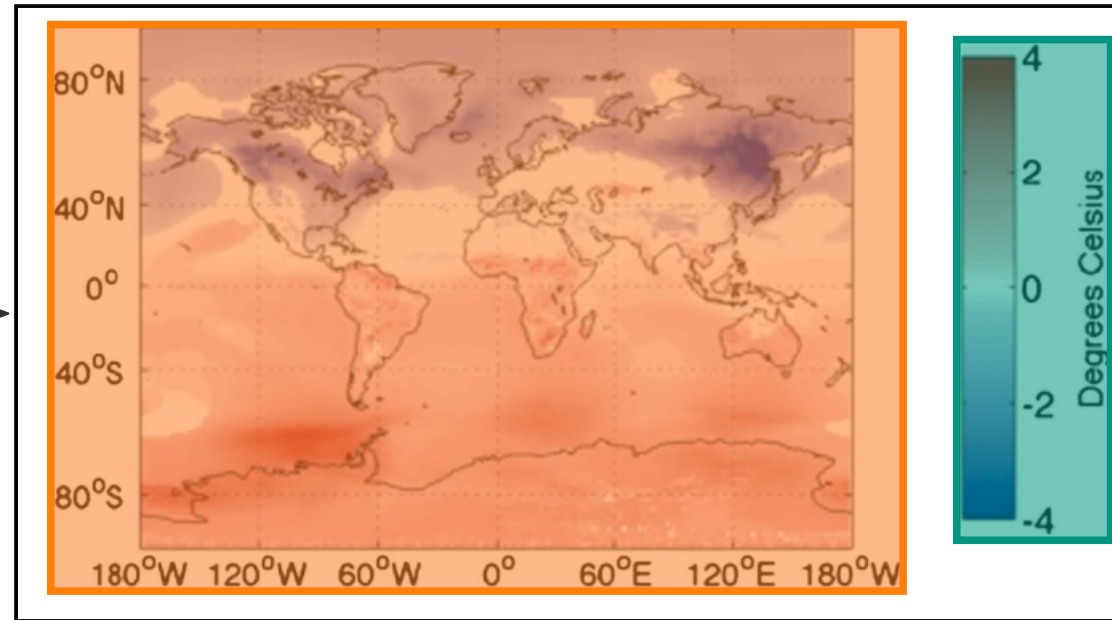


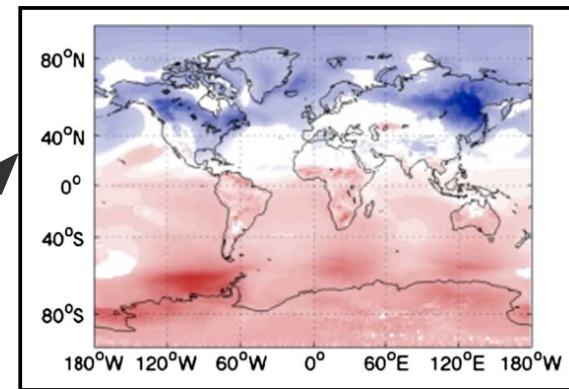
**Input Image**



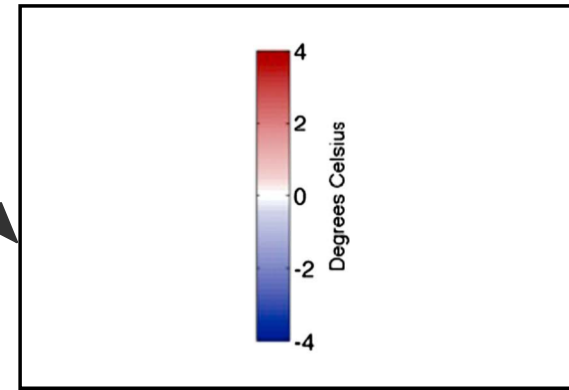
**Map and Legend Segmentation**



**Map Analysis**



**Legend Analysis**



**Encoding Inference**

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