Initial Calculations PV^* and Z^* : Look for $\widetilde{V^*} > 1$ ZG: Satisfy GHGN and GHGS criteria NH: ZG = 1 if $V^* = V - \overline{V}$ \overline{V} : LTDM V GHGN < -10 m/deg lat $GHGN = \frac{Z(\phi_n) - Z(\phi_0)}{\phi_n - \phi_0}$ GHGS > 0 m/deg lat**SH:** ZG = 1 if $GHGS = \frac{Z(\phi_0) - Z(\phi_s)}{\phi_0 - \phi_s}$ $\alpha = 1.5 \times \sigma_{V^*}$ GHGN < 0 m/deg lat $\widetilde{V^*} = \frac{V^*}{\alpha}$ GHGS > 10 m/deg lator α_{min} StitchBlobs Inputs time/size region constraint file list variable constraints

