Observations:
$$\underbrace{\begin{bmatrix} \text{Stress} \\ \text{Stress2} \\ \text{Quality} \end{bmatrix}}_{\mathbf{Y}(t)}(t) = \underbrace{\begin{bmatrix} 1 & 0 \\ 0 & 0 \\ \text{stressLoading 1} \end{bmatrix}}_{\mathbf{StressLoading 1}}(t) + \underbrace{\begin{bmatrix} \text{eta1} \\ \text{eta2} \end{bmatrix}}_{\eta(t)}(t) + \underbrace{\begin{bmatrix} \text{mintStress} \\ 0 \\ 0 \end{bmatrix}}_{\text{MANIFESTMEANS}}(t) + \underbrace{\begin{bmatrix} \text{mintStress} \\ 0 \\ 0 \end{bmatrix}}_{\text{MANIFESTWAR}}(t) + \underbrace{\begin{bmatrix} \mathbf{eta1} \\ \mathbf{eta2} \end{bmatrix}}_{\eta(t)}(t) + \underbrace{\begin{bmatrix} \mathbf{eta1} \\ \mathbf{eta2} \end{bmatrix}}$$

 $\underbrace{\begin{bmatrix} \text{eta1} \\ \text{eta2} \end{bmatrix}(t)}_{\boldsymbol{\eta}(t)} = \left(\underbrace{\begin{bmatrix} \text{drift_eta1} & \text{drift_eta1_eta2} \\ \text{drift_eta2_eta1} & \text{drift_eta2} \end{bmatrix}}_{\boldsymbol{\Lambda}} \underbrace{\begin{bmatrix} \text{eta1} \\ \text{eta2} \end{bmatrix}(t)}_{\boldsymbol{\eta}(t-1)} + \underbrace{\begin{bmatrix} \text{cintStress} \\ \text{cintQuality} \end{bmatrix}}_{\boldsymbol{\lambda}} \right)$

 $T0m_{eta1_i}$

 $\underbrace{\operatorname{cintQuality}_{i}}_{\boldsymbol{\phi}(i)}$

Subject parameter distribution:

Initial latent state:

Deterministic change:

Random change:

 raw_T0m_eta1
 raw_T0m_eta2
 rawPCov_1.1
 rawPCov_2.1
 rawPCov_3.1
 rawPCov_4.1

 raw_cintStress
 rawPCov_3.1
 rawPCov_3.2
 rawPCov_3.2
 rawPCov_4.2

 rawPCov_3.1
 rawPCov_3.2
 rawPCov_3.3
 rawPCov_4.3

 rawPCov_4.1
 rawPCov_4.2
 rawPCov_4.3
 rawPCov_4.4