$$\underbrace{\mathbf{d}\left[\mathrm{eta1}\right]\left(t\right)}_{\mathbf{d}\boldsymbol{\eta}\left(t\right)} = \left(\underbrace{\underbrace{\left[\mathrm{drift_eta1_eta1}\right]}_{\mathrm{DRIFT}}\underbrace{\left[\mathrm{eta1}\right]\left(t\right)}_{\boldsymbol{\eta}\left(t\right)} + \underbrace{\begin{bmatrix}0\right]}_{\mathrm{CINT}}\right)}_{\mathrm{CINT}}\right) \mathrm{d}t \quad +$$

$$\underbrace{\left[\underbrace{\operatorname{diffusion_eta1_eta1}}_{\text{DIFFUSION}} \underbrace{\operatorname{d}\left[W_{1}\right]\left(t\right)}_{\operatorname{d}\mathbf{W}\left(t\right)} \right]}$$

$$\underbrace{\left[W_{1}\right]\left(t+u\right)}_{\mathbf{W}\left(t+u\right)}-\underbrace{\left[W_{1}\right]\left(t\right)}_{\mathbf{W}\left(t\right)}\sim\mathcal{N}\left(\left[0\right],\left[\text{u-t}\right]\right)$$

$$\underbrace{\begin{bmatrix} \text{weight} \end{bmatrix}(t)}_{\mathbf{Y}(t)} = \underbrace{\begin{bmatrix} 1 \end{bmatrix}}_{\text{LAMBDA}} \underbrace{\begin{bmatrix} \text{eta1} \end{bmatrix}(t)}_{\mathbf{\eta}(t)} + \underbrace{\begin{bmatrix} \text{manifestmeans_weight} \end{bmatrix}}_{\text{MANIFESTMEANS}} + \underbrace{\begin{bmatrix} \epsilon_1 \end{bmatrix}(t)}_{\epsilon(t)}$$

$$\underbrace{\left[\epsilon_{1}\right](t)}_{\boldsymbol{\epsilon}(t)} \sim \mathbf{N} \left[\begin{bmatrix} 0 \end{bmatrix}, \underbrace{\left[\mathbf{manifestvar_weight_weight}\right]}_{\mathbf{MANIFESTVAR}} \right]$$