6hr

Time Interval

Day

**…**

**…**

**…**

**…**

**…**

**…**

**…**

Quarter

Month

**…**

**…**

**…**

**…**

**…**

**…**

**…**

Year

**…**

**…**

Quarter

Month

6hr

**LSTM Layer Time Scale**

Day

**…**

**…**

**…**

**…**

**…**

**…**

**…**

Quarter

Month

**…**

**…**

**…**

**…**

**…**

**…**

**…**

Year

**…**

**…**

Quarter

Month

**Structure**

**Decoder**

**Encoder**

Day

Time Distributed 2D Convolutional Layer

Output: Precipitation Prediction

Input: Model Fields