light_data_3.10/result/3.12：

（1） /rand_bias0.3：采样率 10M，均匀分布，偏置电流 0.3A。

1. /single_amp: 单一幅度数据作为训练数据，且数据归一化。发送信号是均匀分布的随机信号，采样率为 10M，偏置电流 0.3A。

1.1 /Threenonlinear1:

相关符号数为 5，即 h_order=5*rate_times。L=3，U=60

```
Threenonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 2 , amp end = 26 , amp step = 1
data_num = 100
validationFrequency is floor(size(xTrain{1},2)/miniBatchSize
H order = 30
Hidden Units = 60
```

1.2 /Threenonlinear2:

相关符号数为 5，即 h_order=5*rate_times。L=3，U=60。修改了 min batch size 和 DropPeriod。

```
Threenonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 200 ,
DropPeriod = 12 ,
DropFactor = 0.100000 ,
amp begin = 2 , amp end = 26 , amp step = 1
data_num = 100
validationFrequency is floor(size(xTrain{1},2)/miniBatchSize
H order = 30
Hidden Units = 60
```

1.3 /Threenonlinear3:

相关符号数为 3，即 h_order=3*rate_times。L=3，U=60。

```
Threenonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 200 ,
DropPeriod = 12 ,
DropFactor = 0.100000 ,
amp begin = 2 , amp end = 26 , amp step = 1
data_num = 100
validationFrequency is floor(size(xTrain{1},2)/miniBatchSize
H order = 18
Hidden Units = 60
```

1.4 /Threenonlinear4：

相关符号数为 8，即 h_order=8*rate_times。L=3，U=60。

```
Threenonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 200 ,
DropPeriod = 12 ,
DropFactor = 0.100000 ,
amp begin = 2 , amp end = 26 , amp step = 1
data_num = 100
validationFrequency is floor(size(xTrain{1},2)/miniBatchSize
H order = 48
Hidden Units = 60
```

1.5 /Threenonlinear5：

相关符号数为 12，即 h_order=12*rate_times。L=3，U=60。

```
Threenonlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 200 ,
DropPeriod = 12 ,
DropFactor = 0.100000 ,
amp begin = 2 , amp end = 26 , amp step = 1
data_num = 100
validationFrequency is floor(size(xTrain{1},2)/miniBatchSize
H order = 72
Hidden Units = 60
```

2. /mix_amp: 混合幅度数据作为训练数据，且数据归一化。发送信号是均匀分布的随机信号，采样率为 10M，偏置电流 0.3A。

2.1 /Twononlinear1：

相关符号数为 12，即 h_order=12*rate_times。L=2，U=25

```
Twononlinear ,
ini learningRate = 1.000000e-02 ,
min batch size = 400 ,
DropPeriod = 5 ,
DropFactor = 0.100000 ,
amp begin = 2 , amp end = 26 , amp step = 1
data_num = 100
validationFrequency is floor(numel(xTrain)/miniBatchSize/4)
H order = 72
Hidden Units = 25
```