TABLE II. ANN summary for observed results

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Network name | Performance | Error | Trainingalgorithm | Errorfunction | Hiddenactivation | Outputactivation |
| MLP 45-9-6 | Train. | Test. | Valid. | Train. | Test. | Valid. | Train. | Test. | Valid. | Train. |
| 0.958 | 0.851 | 0.902 | 532.986 | 663.023 | 497.707 | 0.958 | 0.851 | 0.902 | 532.986 |

Train. - training cycle of ANN calculation; Test. - testing cycle; Valid. - validation cycle; MLP - multi-layer perceptron model; BFGS - Broyden-Fletcher-Goldfarb-Shanno