
EnKF simulation results

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1 History match plots

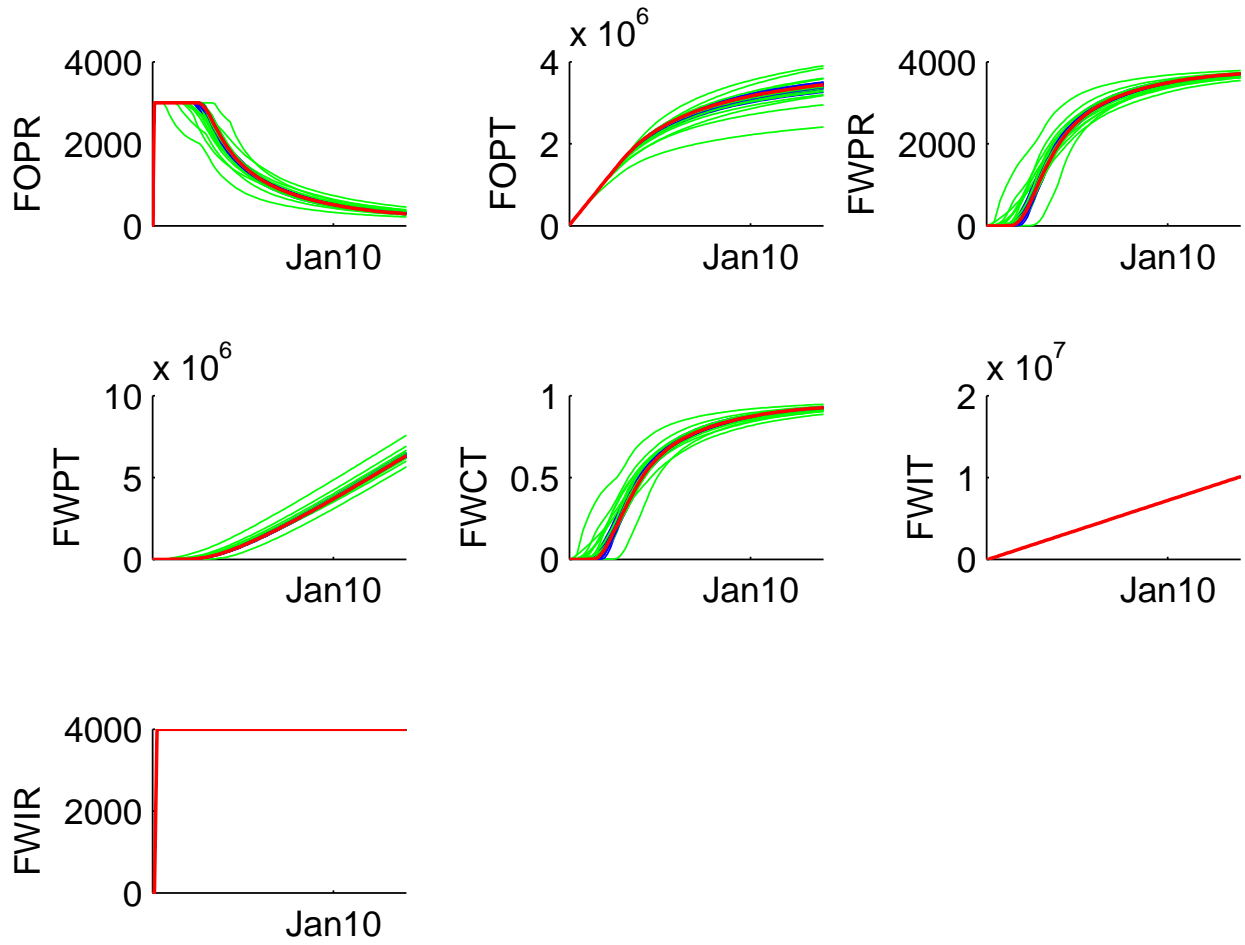


Figure 1: FIELD History Matching plots

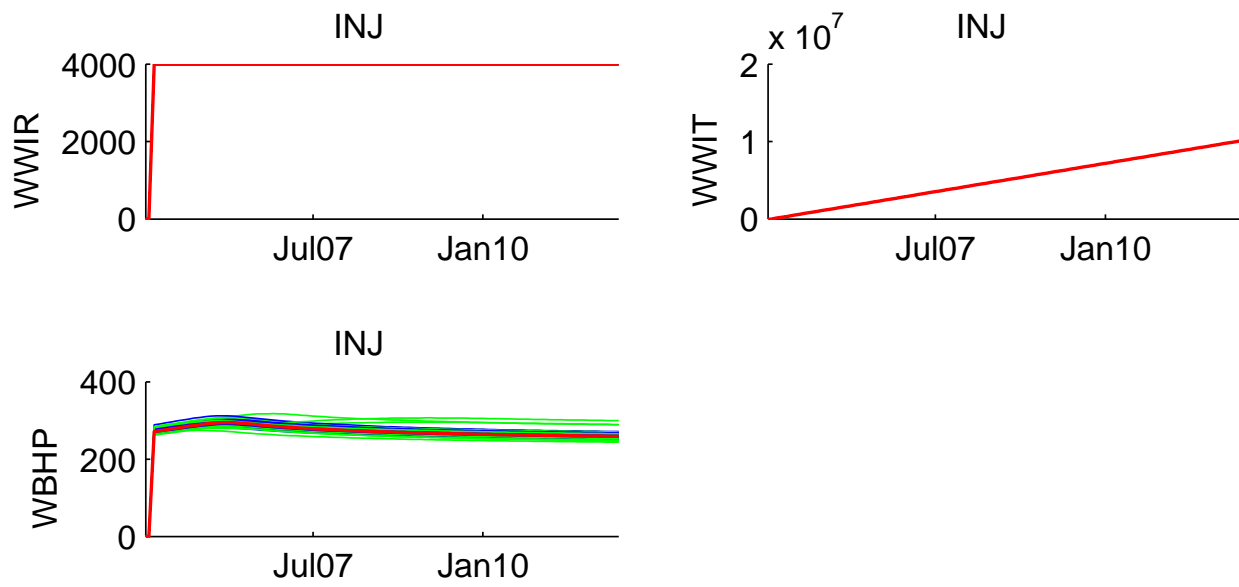


Figure 2: INJ History Matching plots

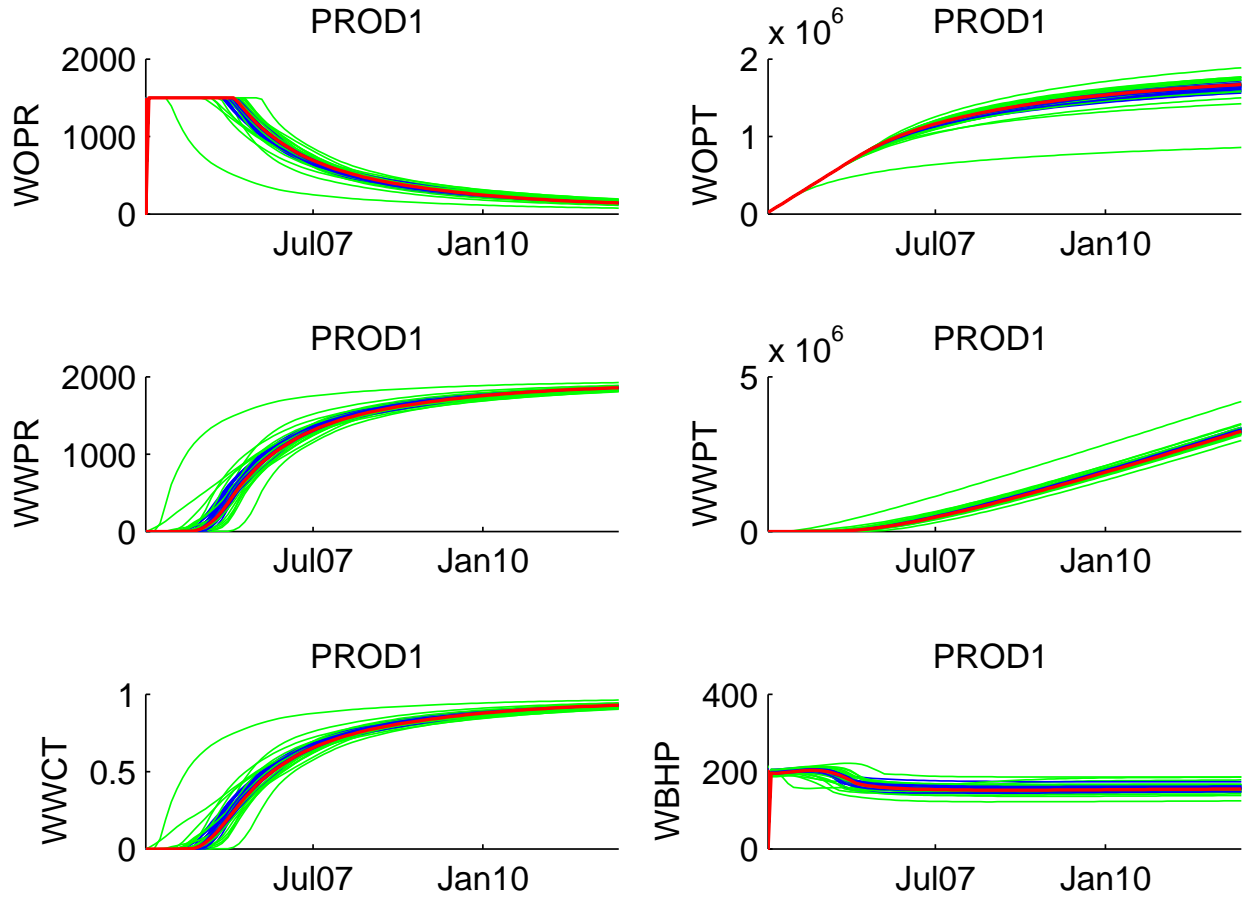


Figure 3: PROD1 History Matching plots

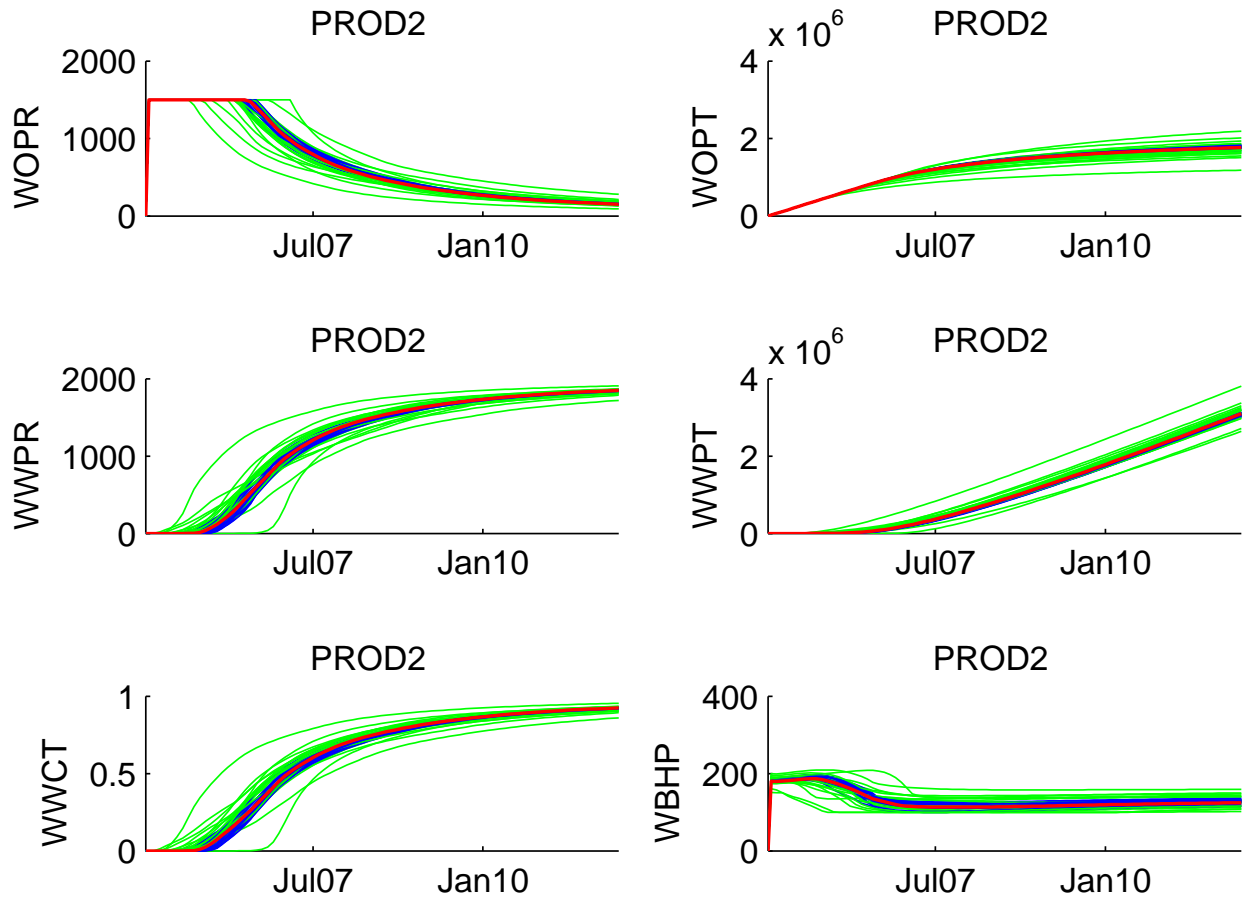


Figure 4: PROD2 History Matching plots

2 PORO for layer 1

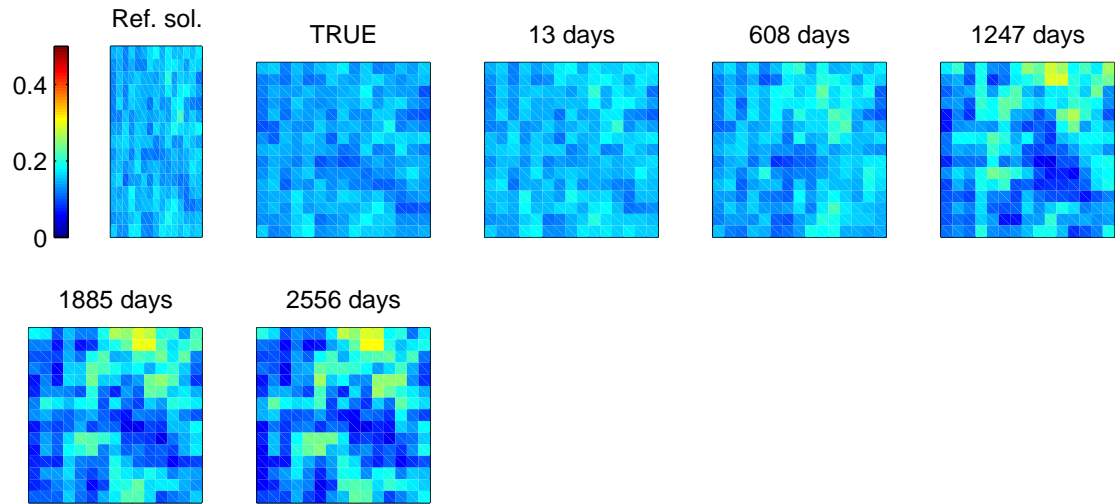


Figure 5: PORO mean value for layer 1

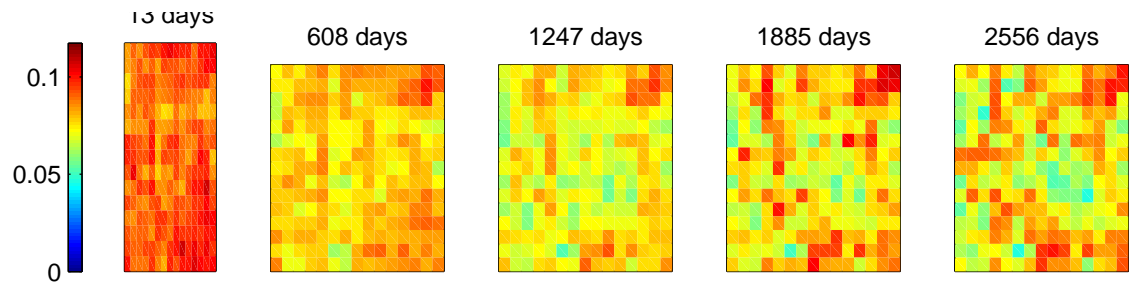


Figure 6: PORO standard deviation for layer 1

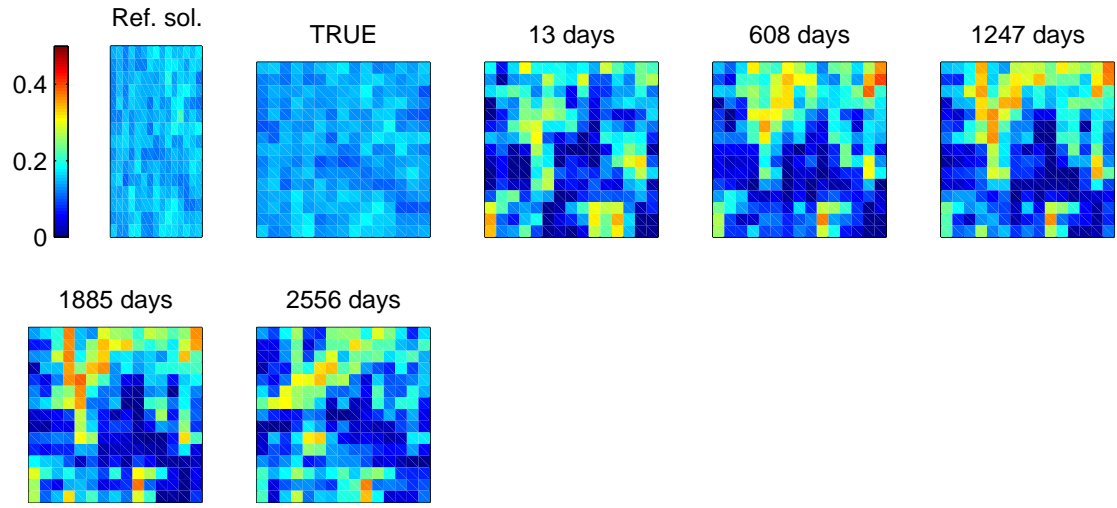


Figure 7: PORO for ensemble member 1 for layer 1

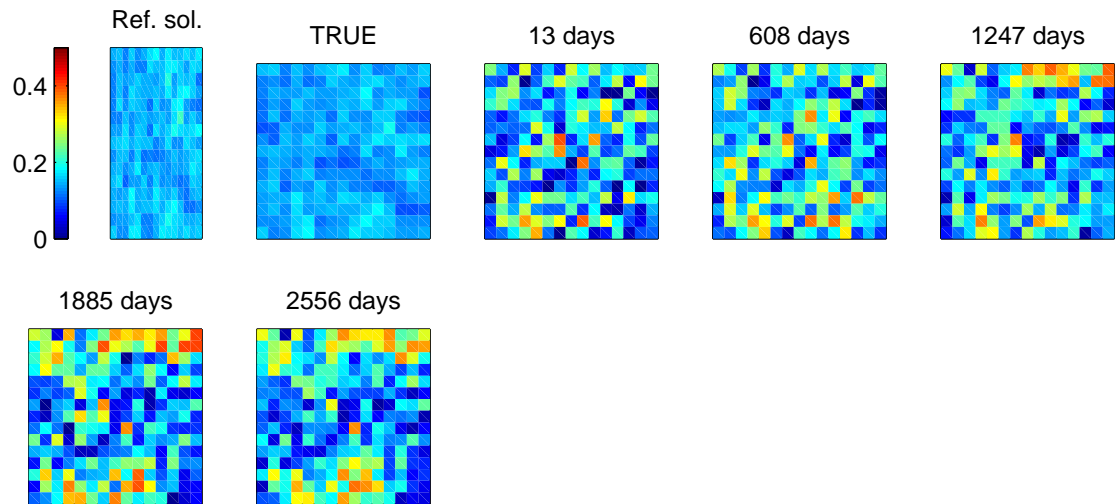


Figure 8: PORO for ensemble member 2 for layer 1

3 PORO for layer 2

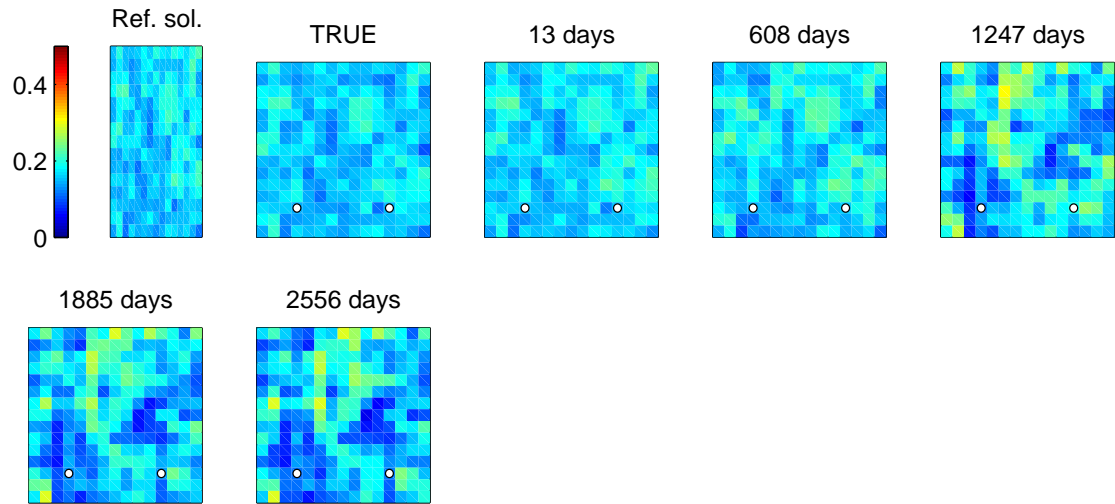


Figure 9: PORO mean value for layer 2

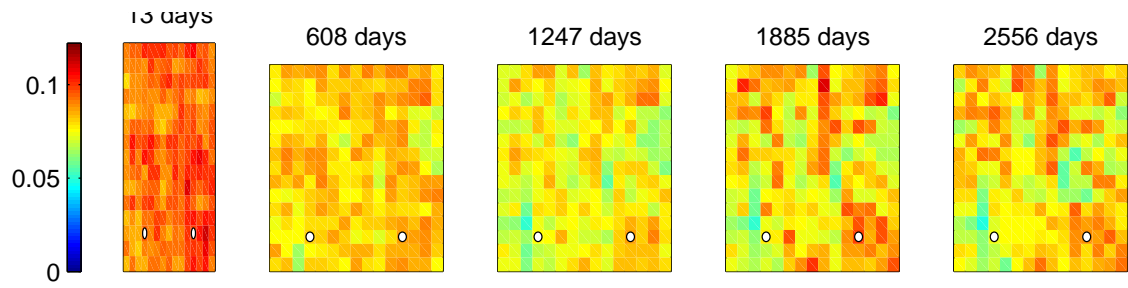


Figure 10: PORO standard deviation for layer 2

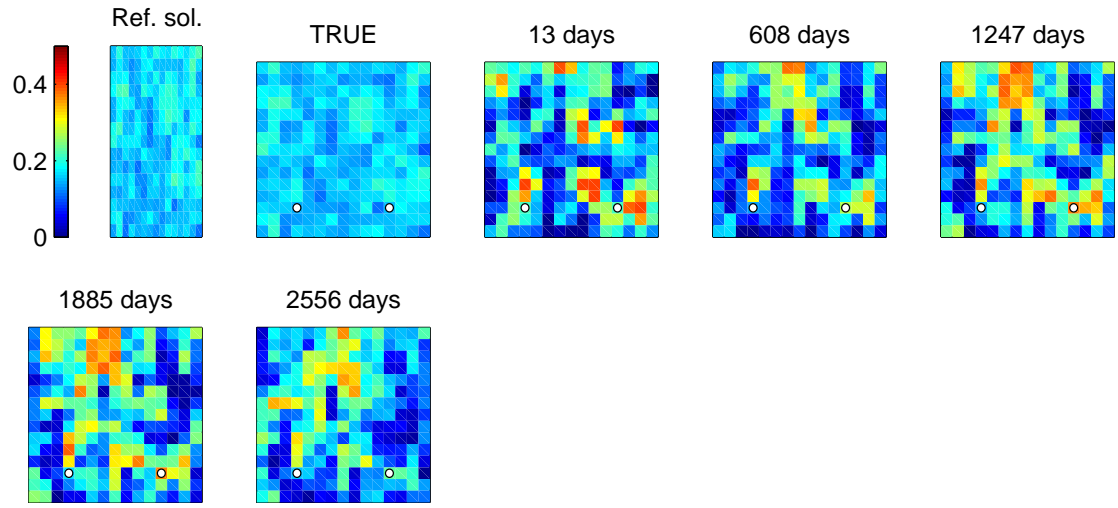


Figure 11: PORO for ensemble member 1 for layer 2

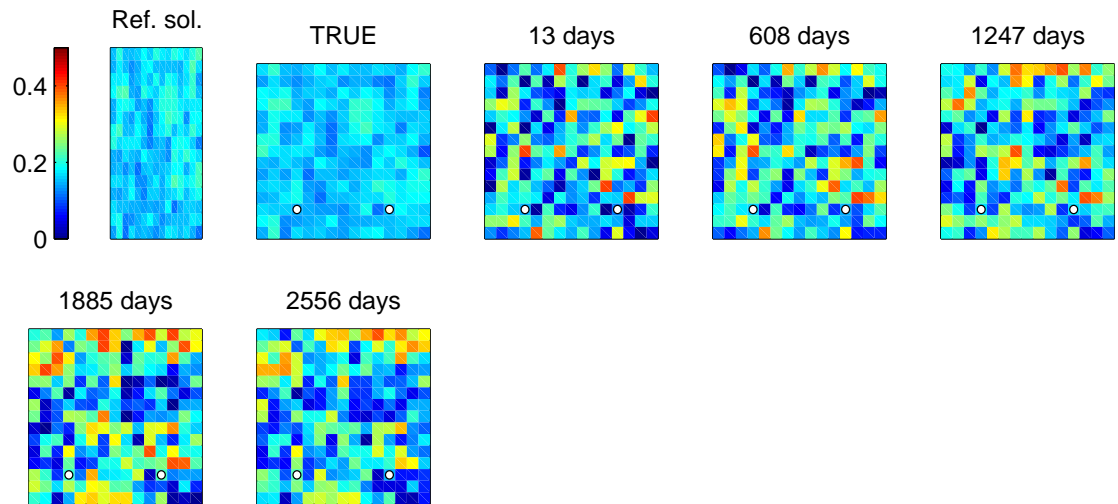


Figure 12: PORO for ensemble member 2 for layer 2

4 PORO for layer 3

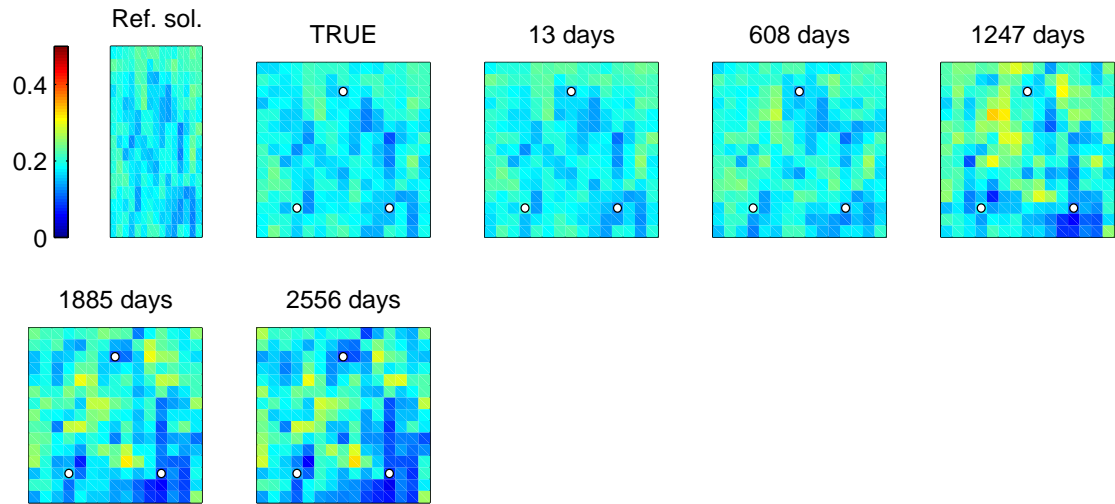


Figure 13: PORO mean value for layer 3

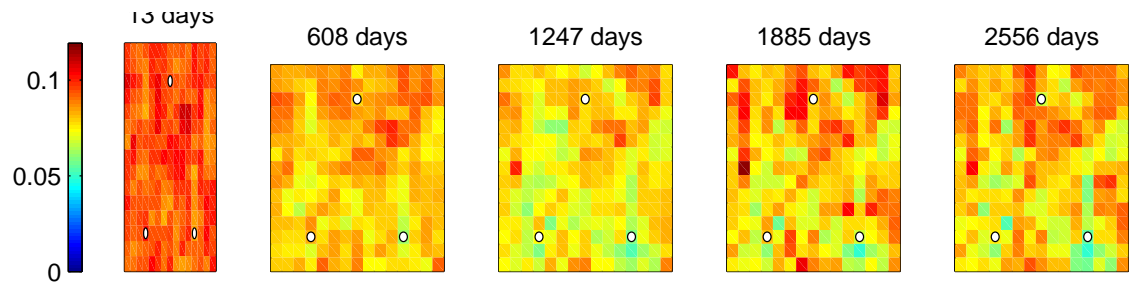


Figure 14: PORO standard deviation for layer 3

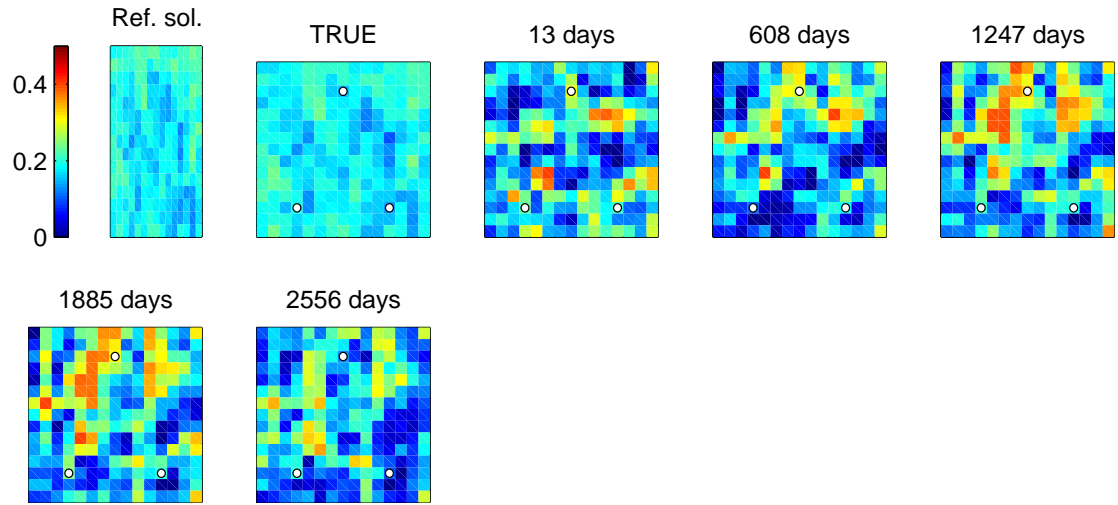


Figure 15: PORO for ensemble member 1 for layer 3

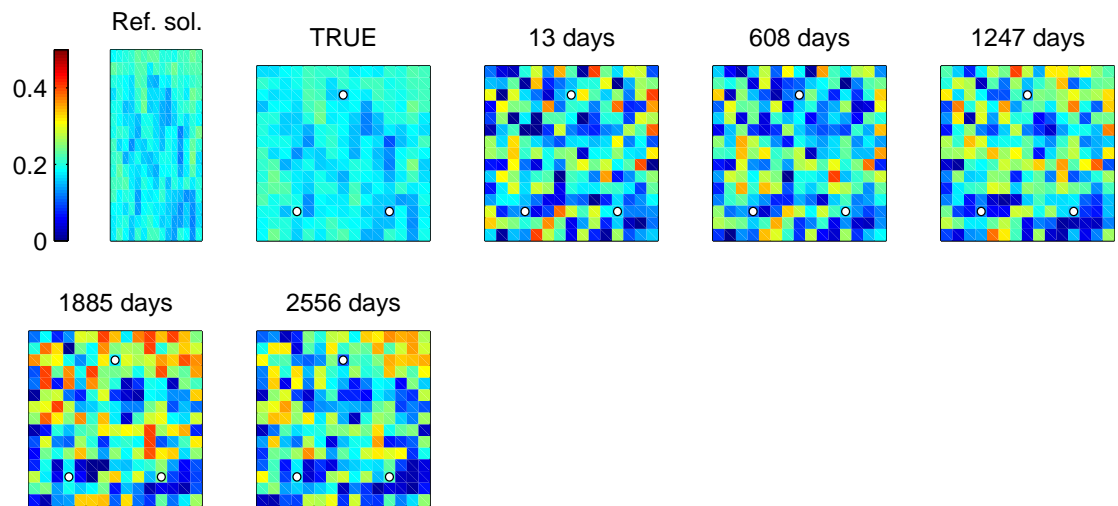


Figure 16: PORO for ensemble member 2 for layer 3

5 PORO for layer 4

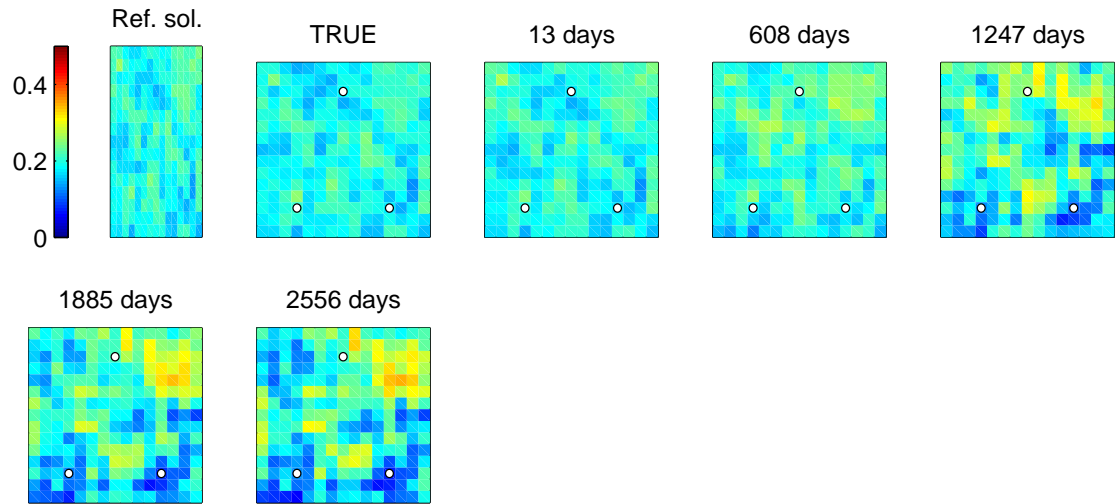


Figure 17: PORO mean value for layer 4

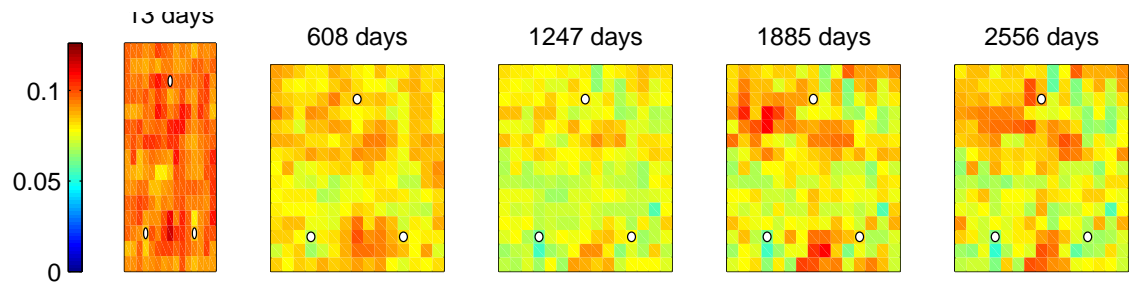


Figure 18: PORO standard deviation for layer 4

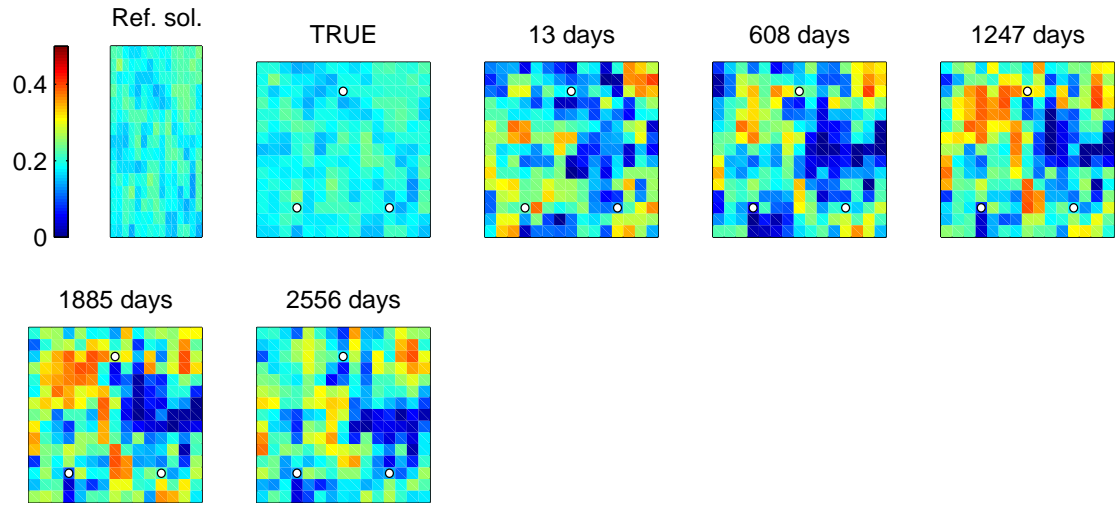


Figure 19: PORO for ensemble member 1 for layer 4

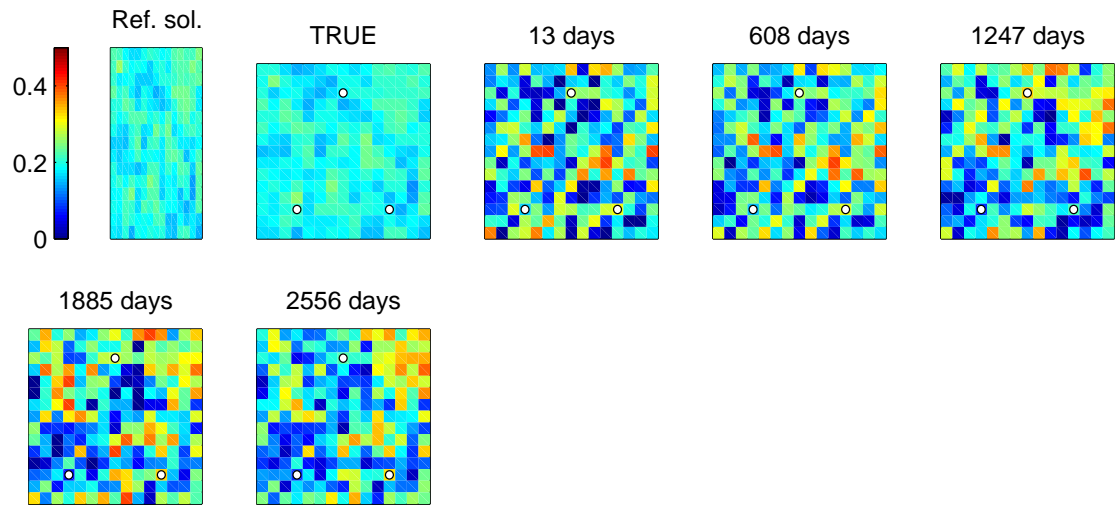


Figure 20: PORO for ensemble member 2 for layer 4

6 PORO for layer 5

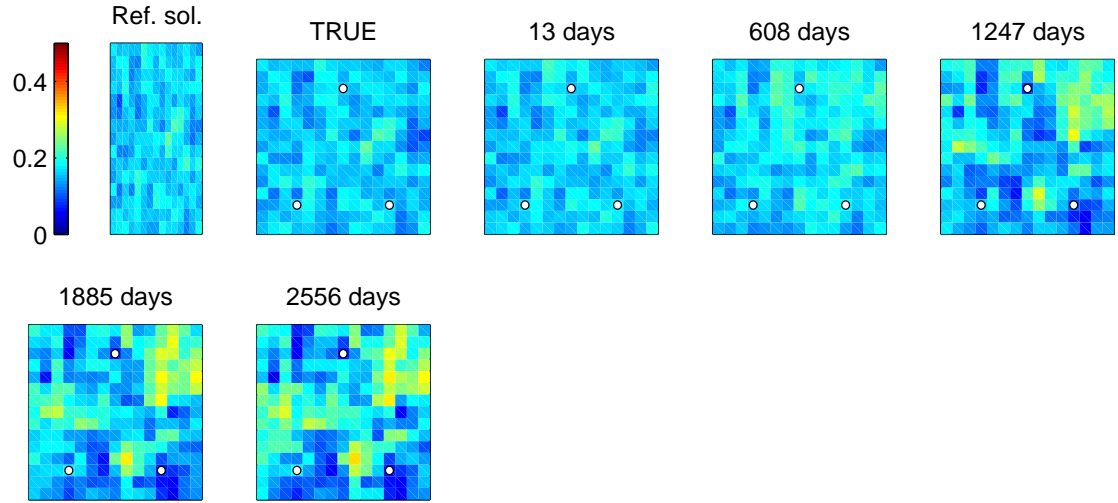


Figure 21: PORO mean value for layer 5

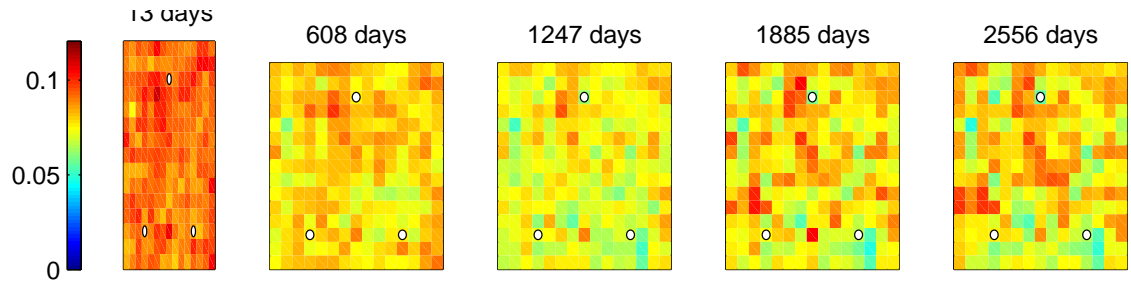


Figure 22: PORO standard deviation for layer 5

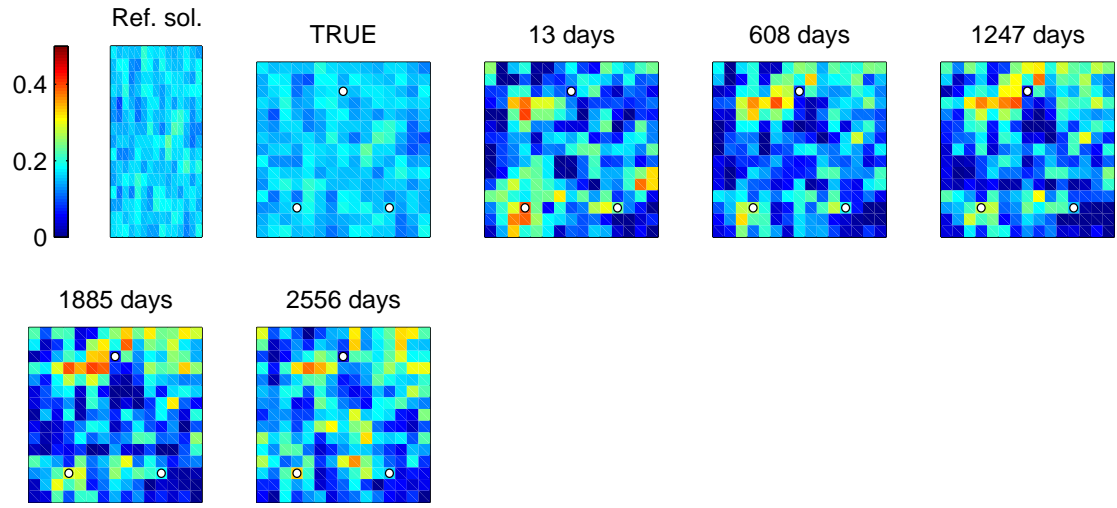


Figure 23: PORO for ensemble member 1 for layer 5

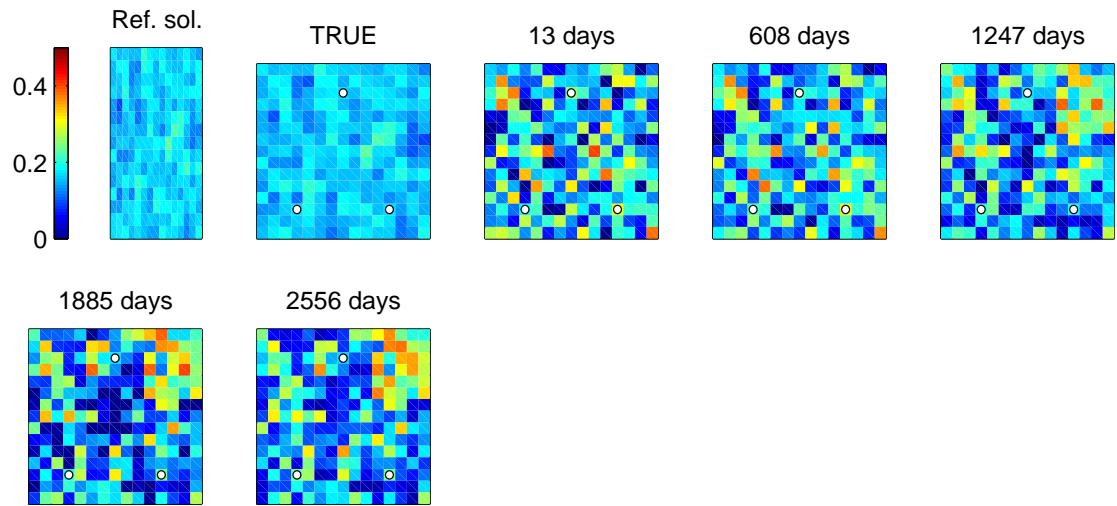


Figure 24: PORO for ensemble member 2 for layer 5

7 PORO for layer 6

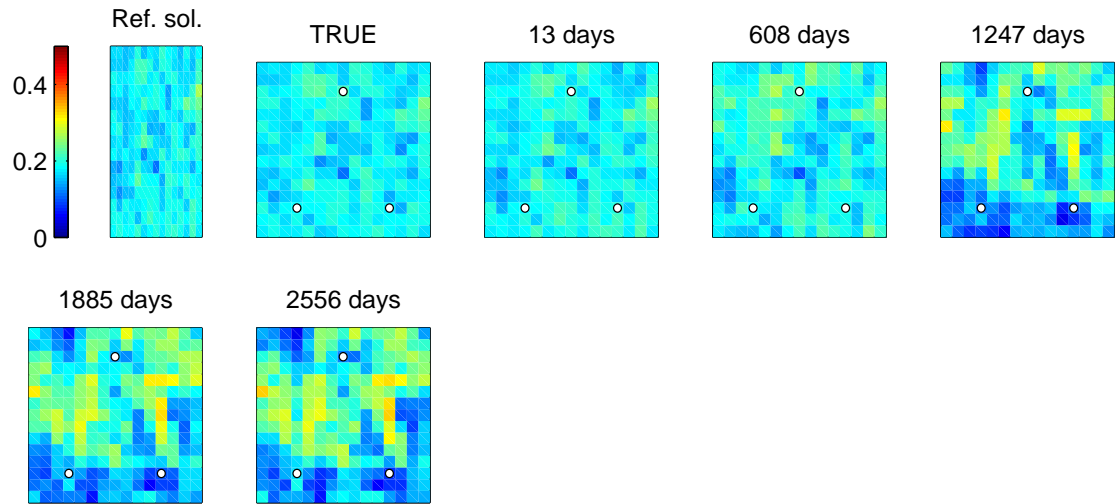


Figure 25: PORO mean value for layer 6

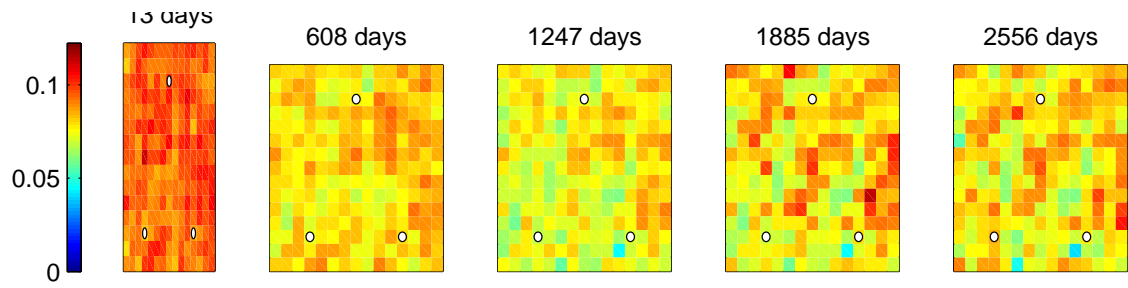


Figure 26: PORO standard deviation for layer 6

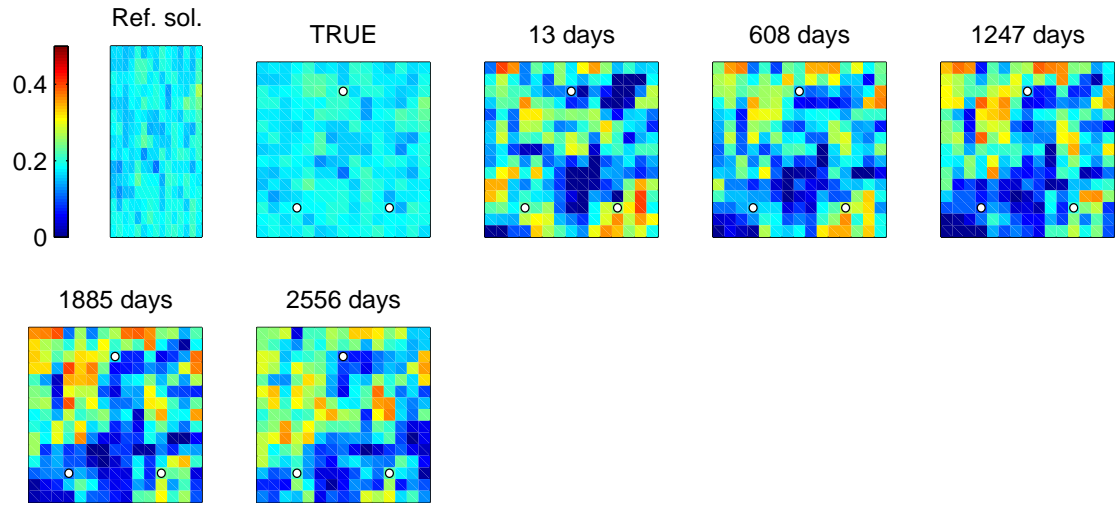


Figure 27: PORO for ensemble member 1 for layer 6

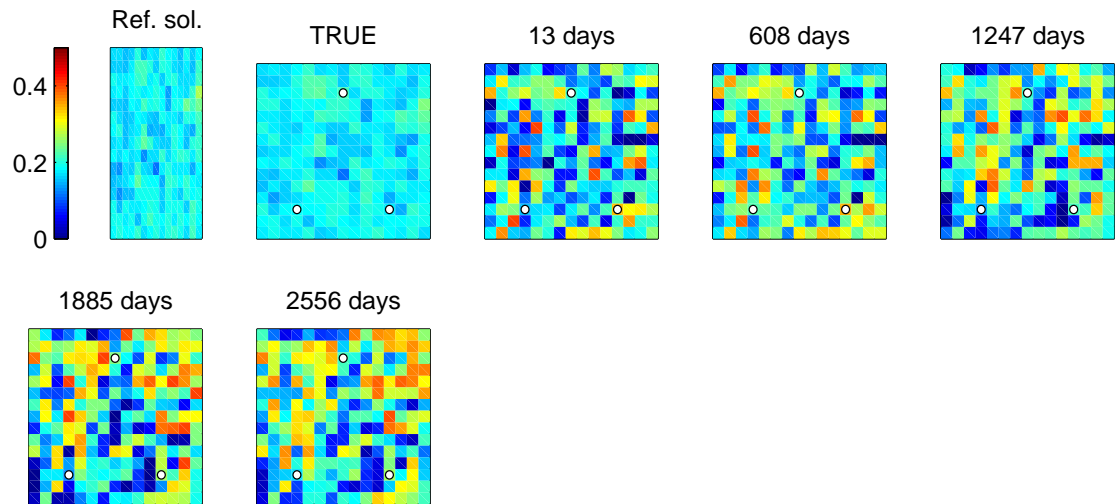


Figure 28: PORO for ensemble member 2 for layer 6

8 PORO for layer 7

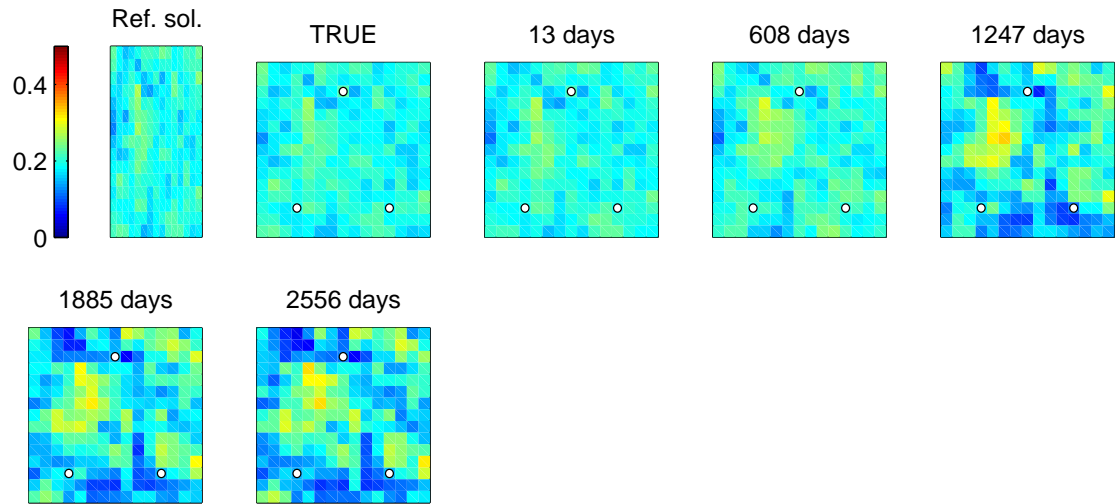


Figure 29: PORO mean value for layer 7

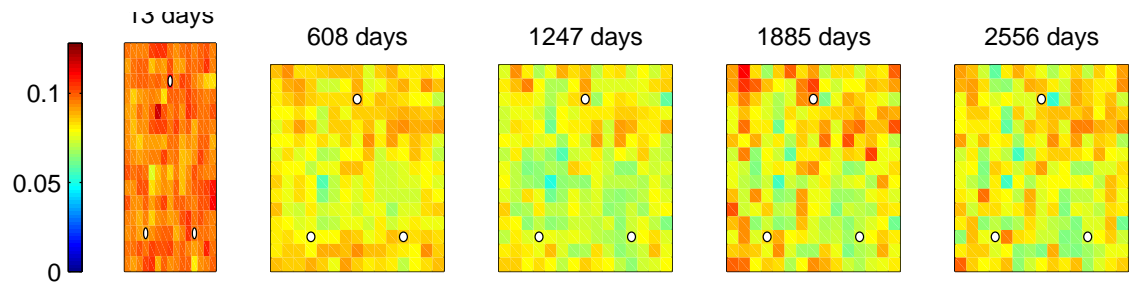


Figure 30: PORO standard deviation for layer 7

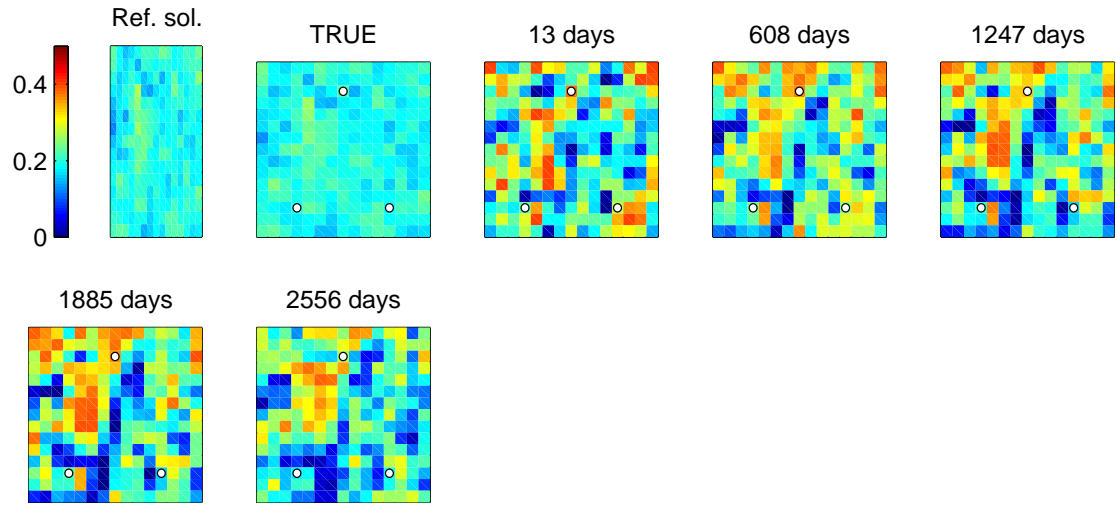


Figure 31: PORO for ensemble member 1 for layer 7

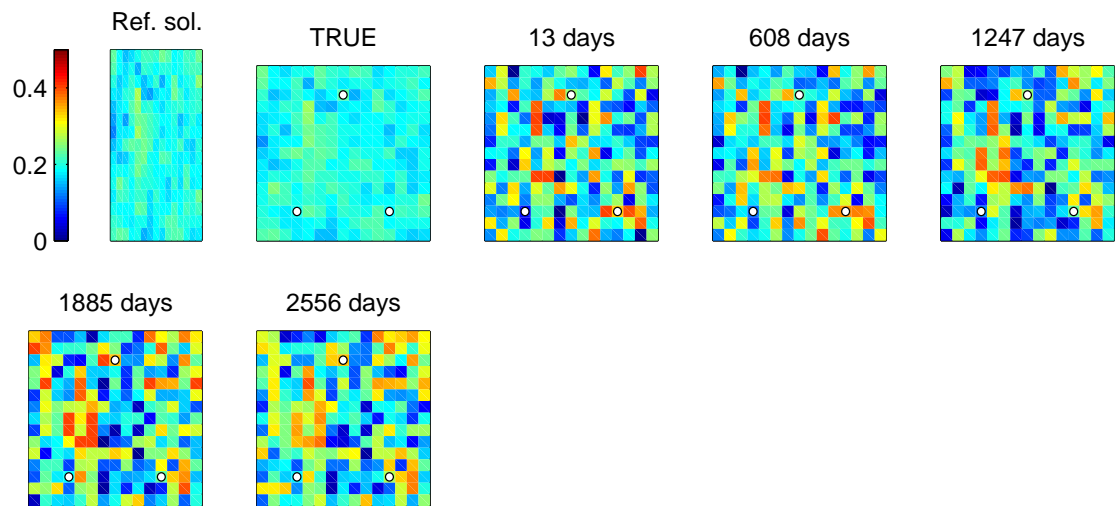


Figure 32: PORO for ensemble member 2 for layer 7

9 PORO for layer 8

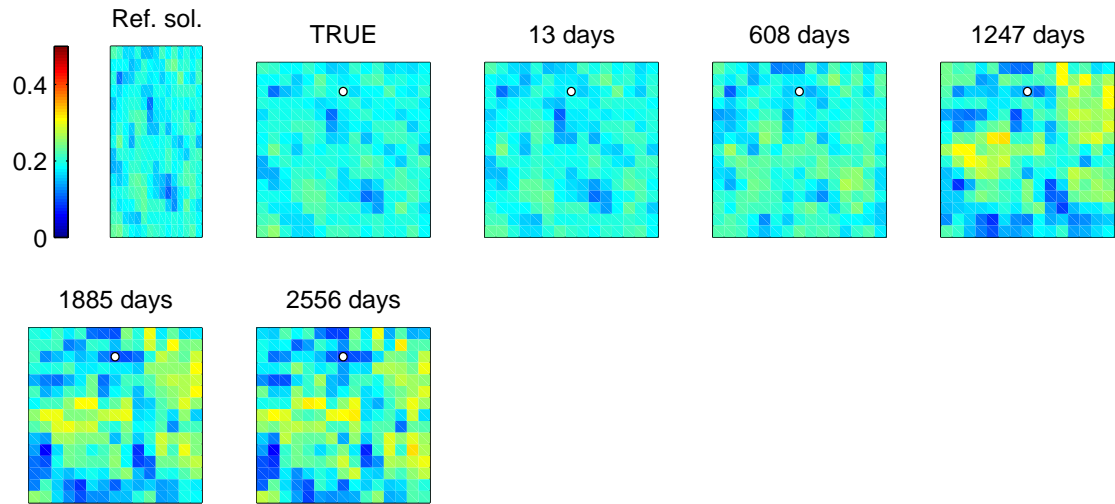


Figure 33: PORO mean value for layer 8

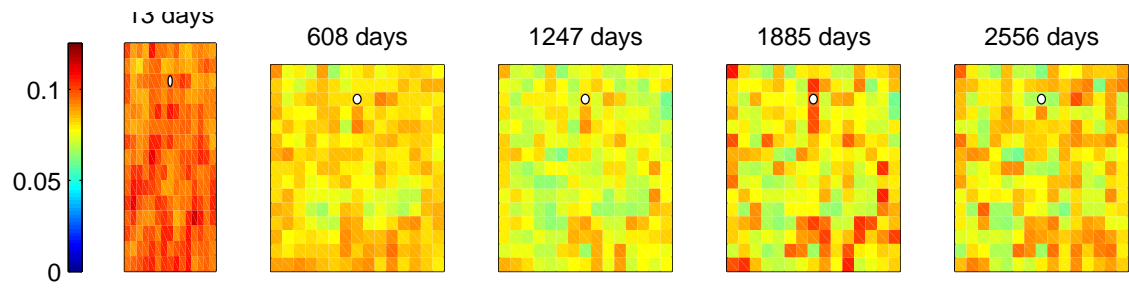


Figure 34: PORO standard deviation for layer 8

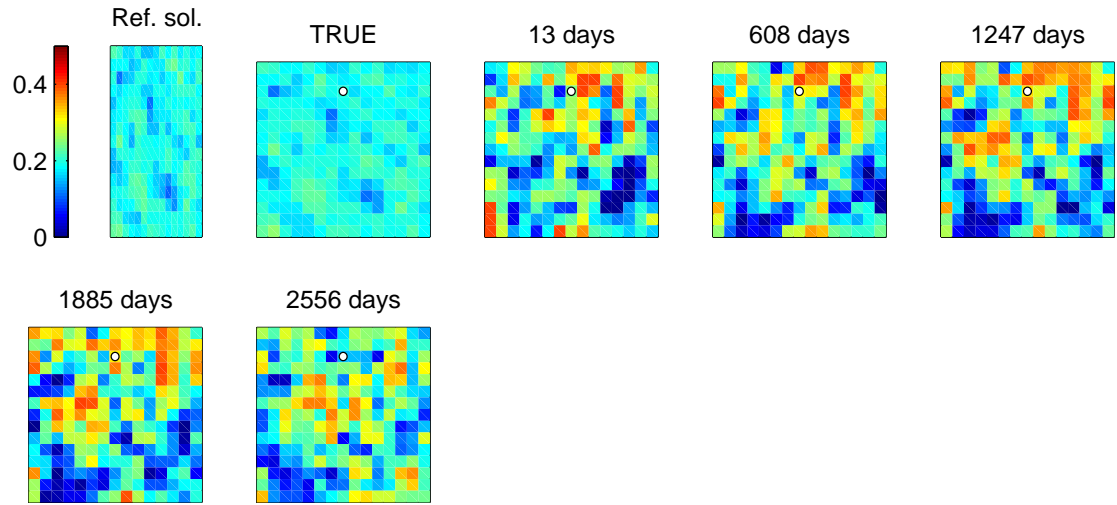


Figure 35: PORO for ensemble member 1 for layer 8

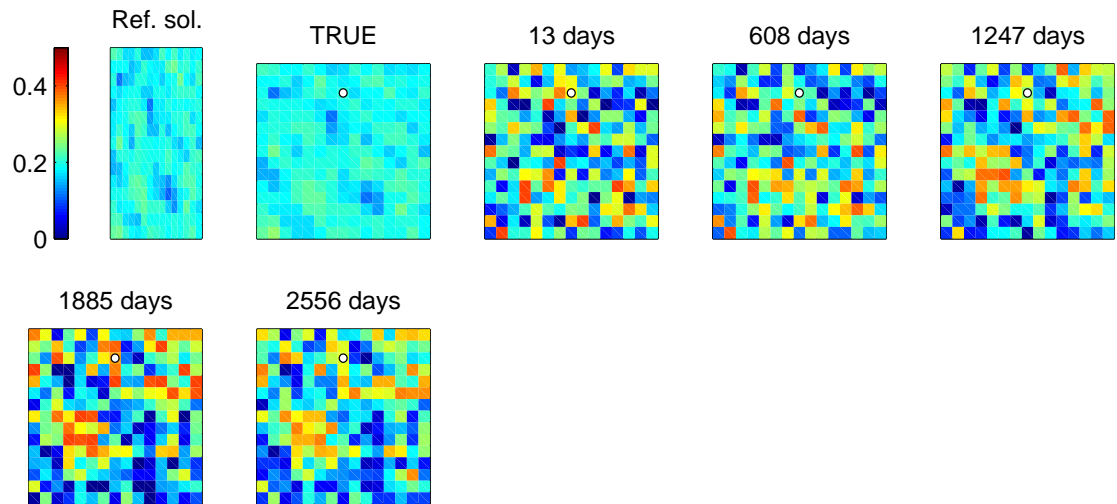


Figure 36: PORO for ensemble member 2 for layer 8

10 PORO for layer 9

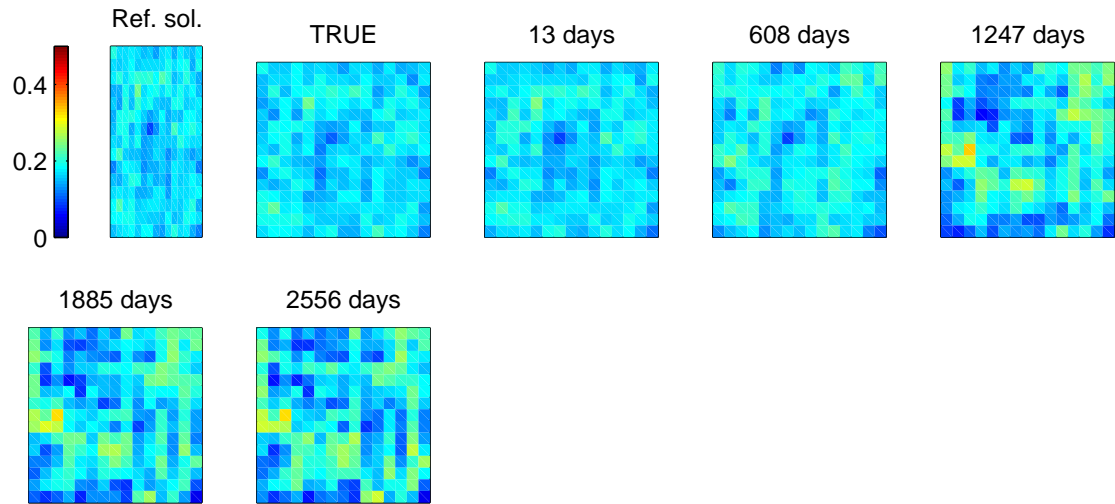


Figure 37: PORO mean value for layer 9

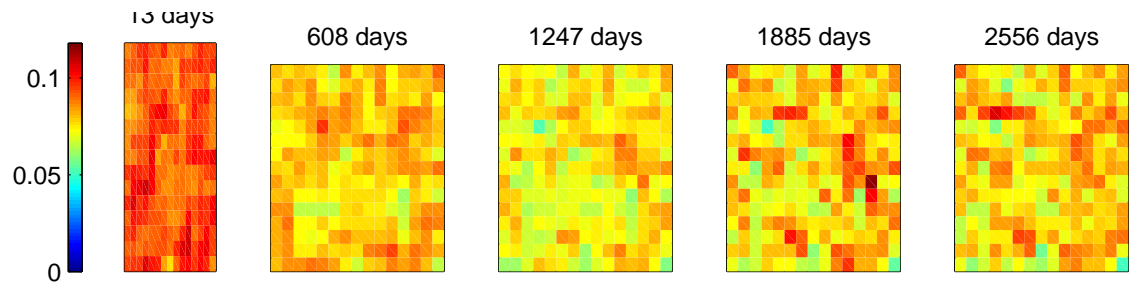


Figure 38: PORO standard deviation for layer 9

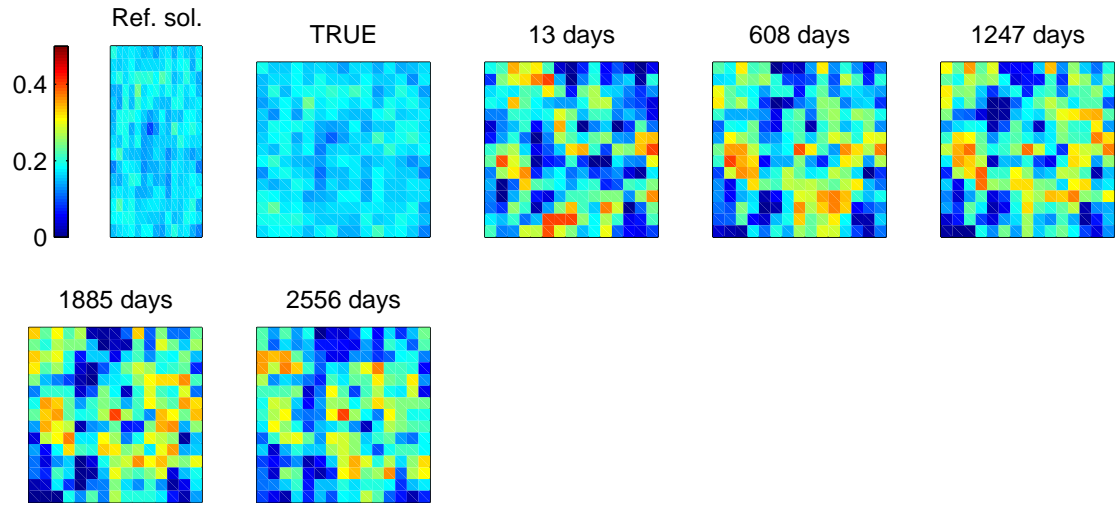


Figure 39: PORO for ensemble member 1 for layer 9

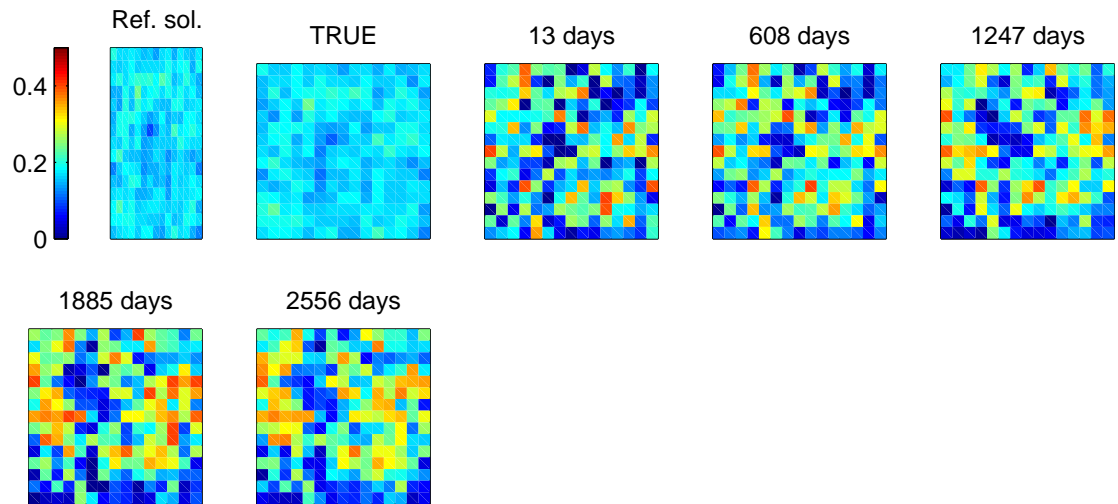


Figure 40: PORO for ensemble member 2 for layer 9

11 PORO for layer 10

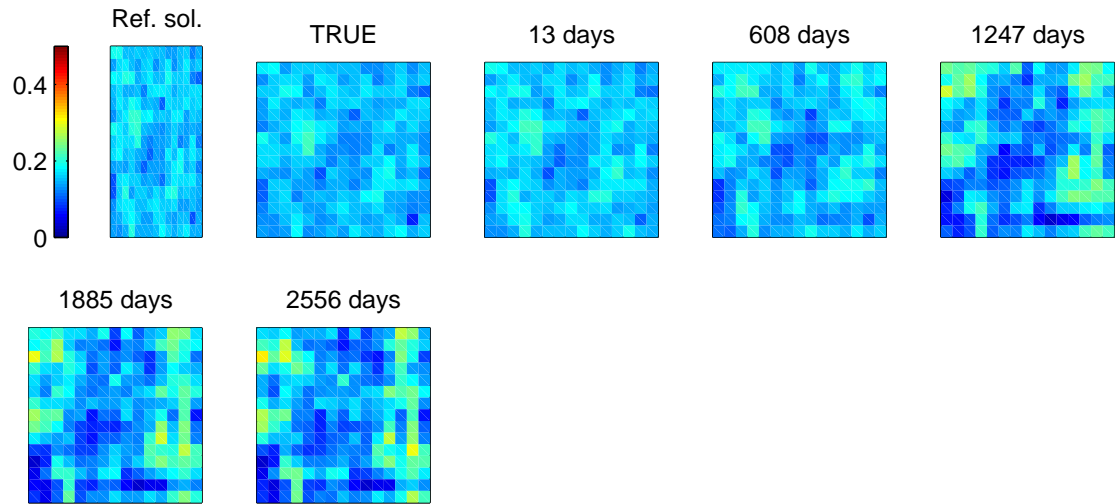


Figure 41: PORO mean value for layer 10

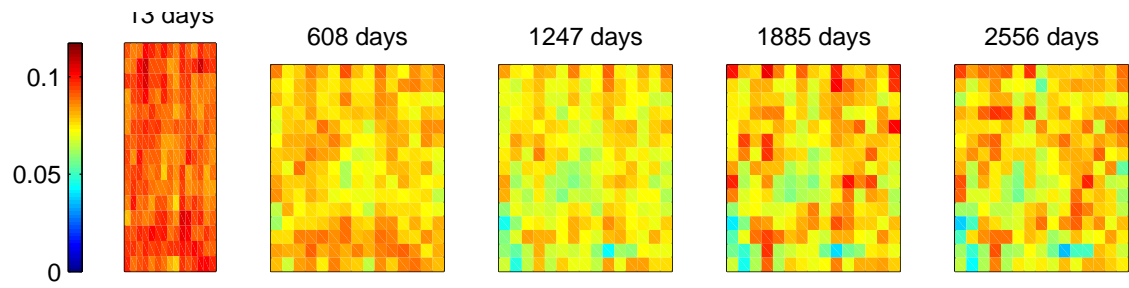


Figure 42: PORO standard deviation for layer 10

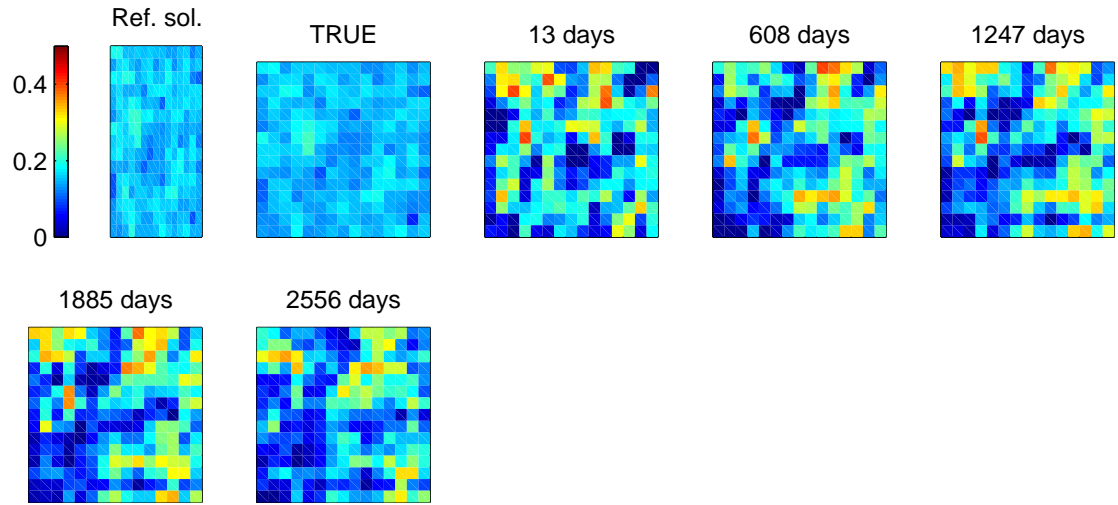


Figure 43: PORO for ensemble member 1 for layer 10

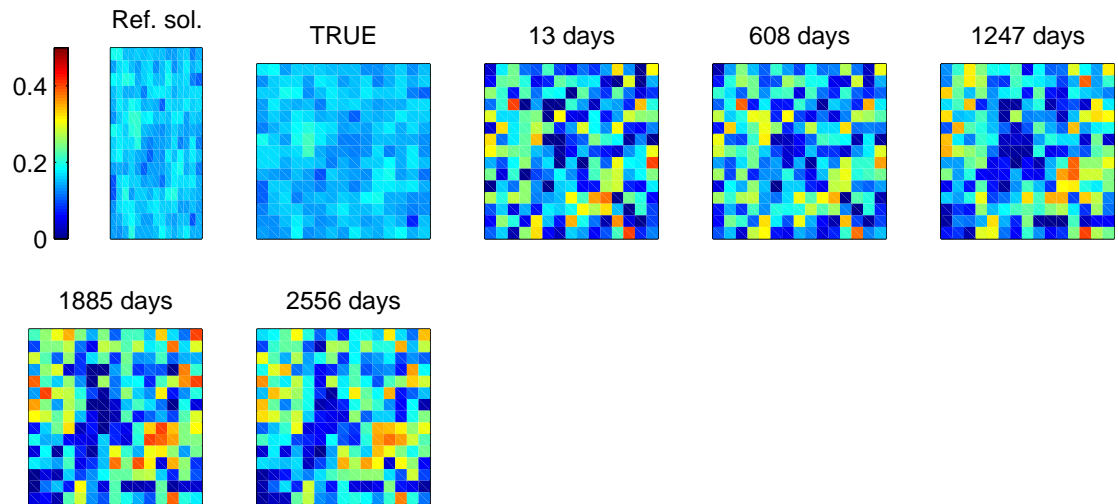


Figure 44: PORO for ensemble member 2 for layer 10

12 PERMX for layer 1

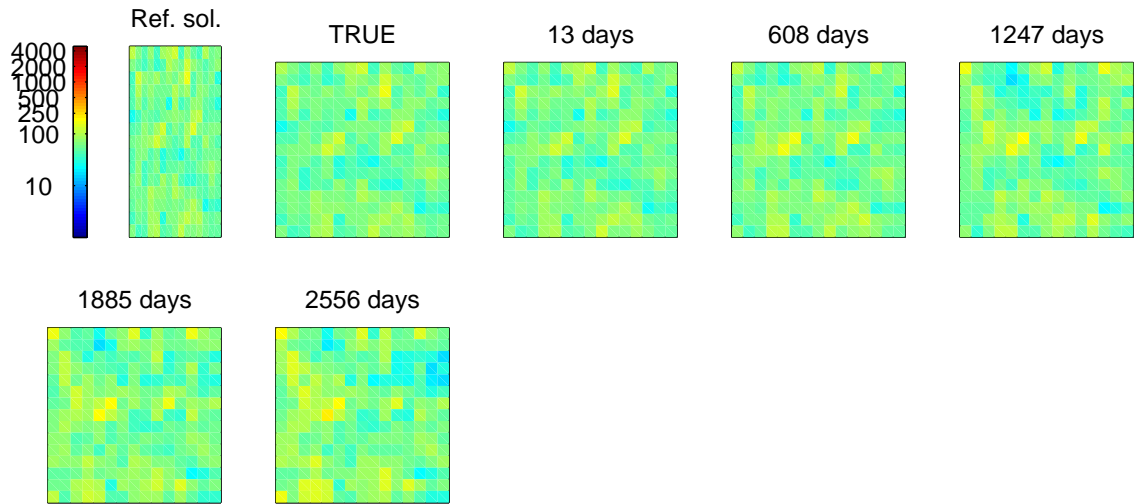


Figure 45: PERMX mean value for layer 1

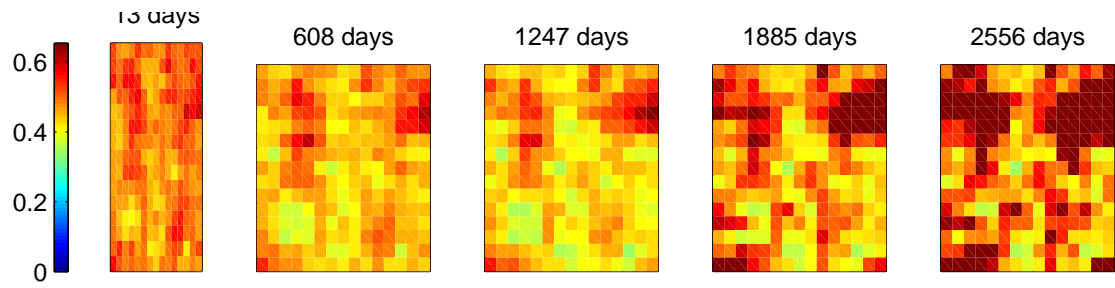


Figure 46: PERMX standard deviation for layer 1

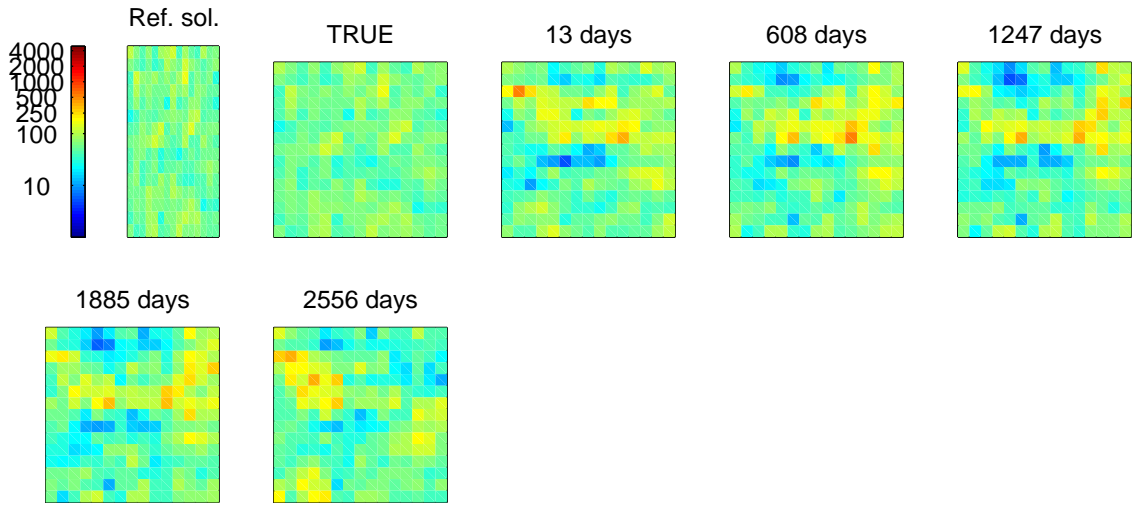


Figure 47: PERMX for ensemble member 1 for layer 1

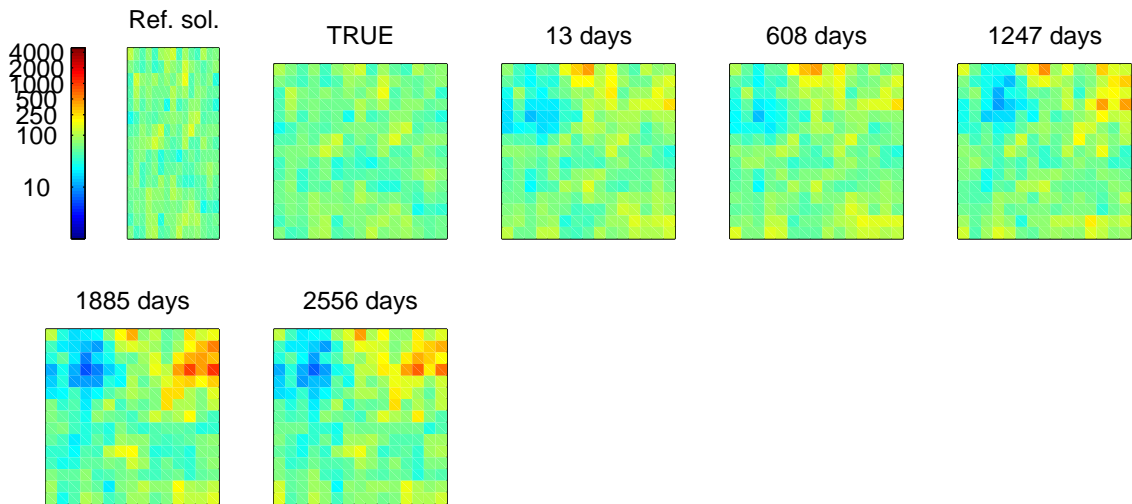


Figure 48: PERMX for ensemble member 2 for layer 1

13 PERMX for layer 2

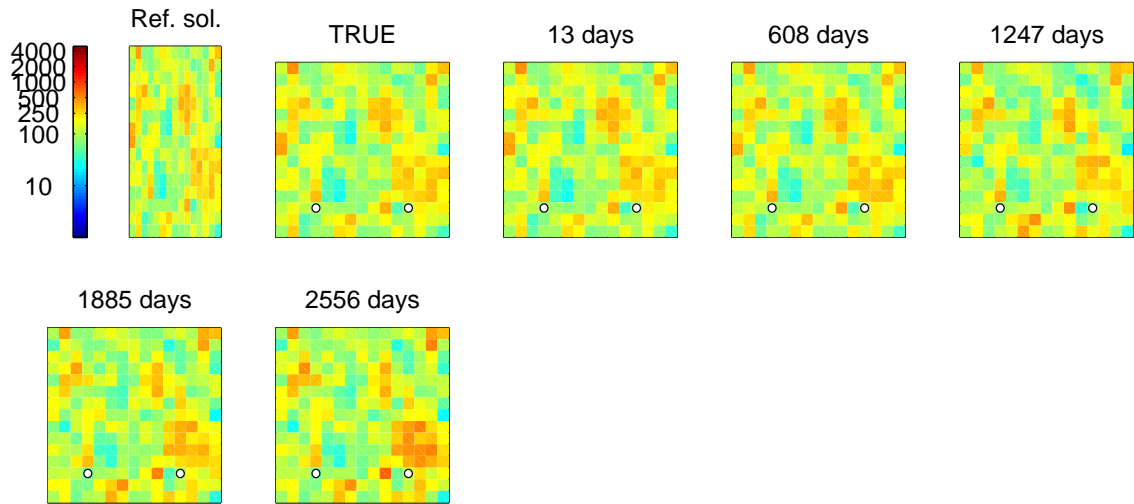


Figure 49: PERMX mean value for layer 2

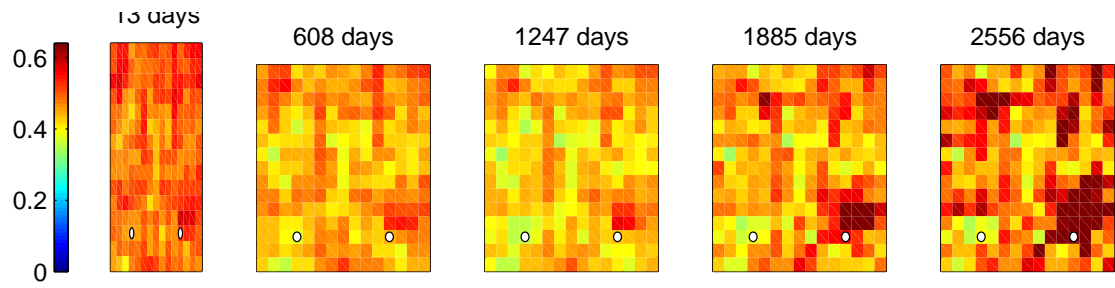


Figure 50: PERMX standard deviation for layer 2

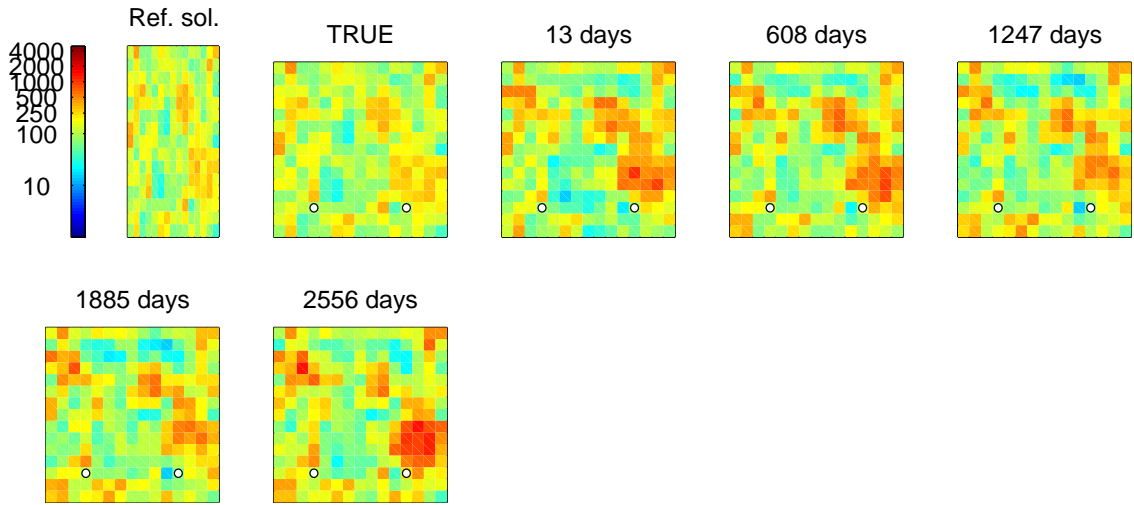


Figure 51: PERMX for ensemble member 1 for layer 2

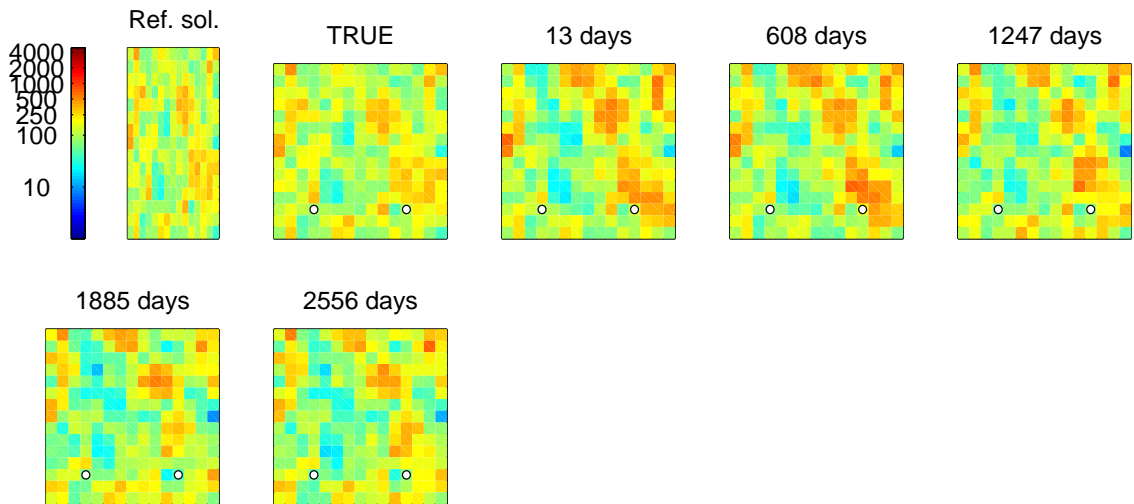


Figure 52: PERMX for ensemble member 2 for layer 2

14 PERMX for layer 3

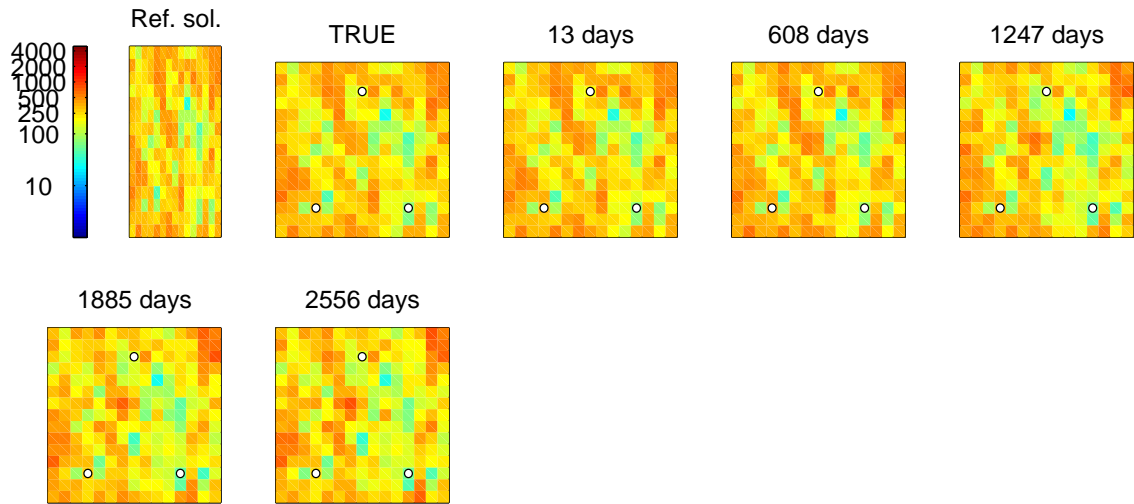


Figure 53: PERMX mean value for layer 3

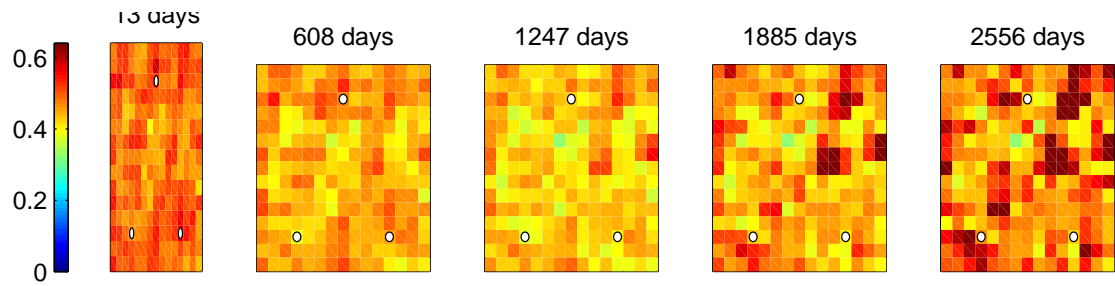


Figure 54: PERMX standard deviation for layer 3

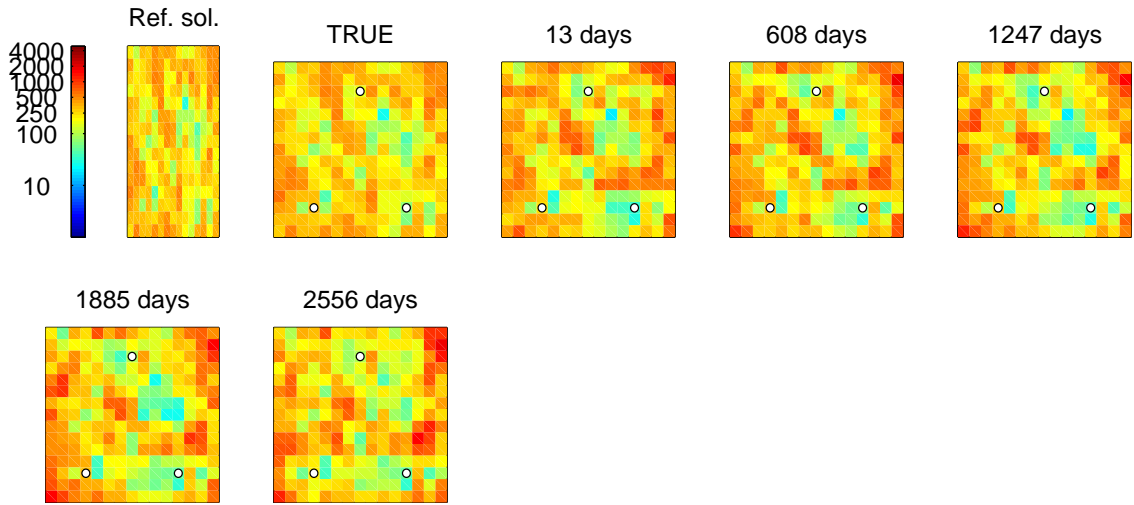


Figure 55: PERMX for ensemble member 1 for layer 3

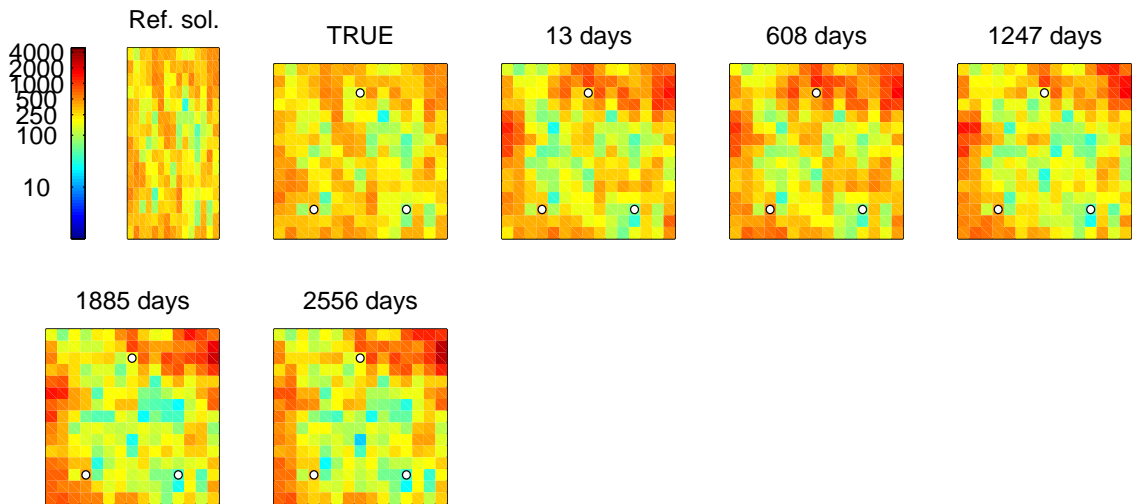


Figure 56: PERMX for ensemble member 2 for layer 3

15 PERMX for layer 4

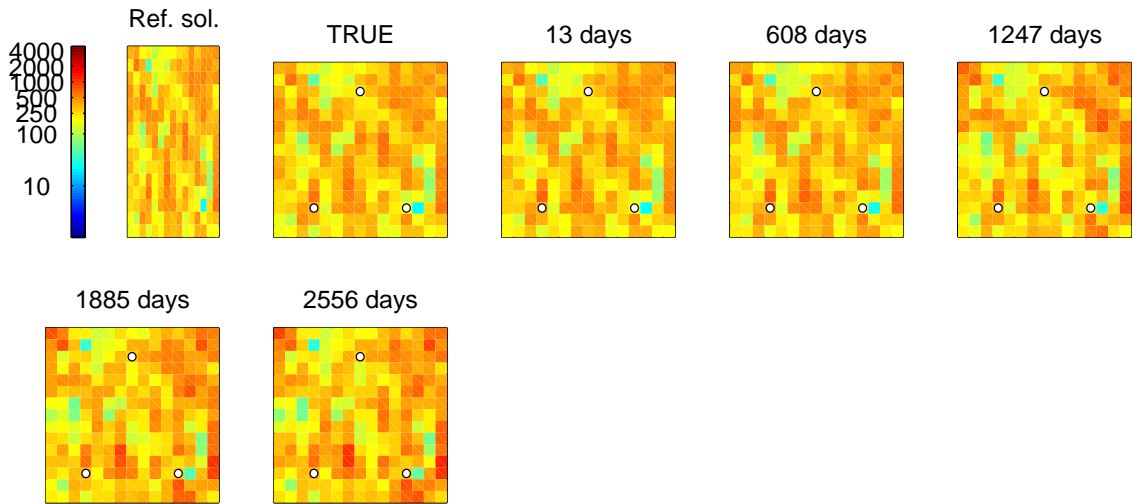


Figure 57: PERMX mean value for layer 4

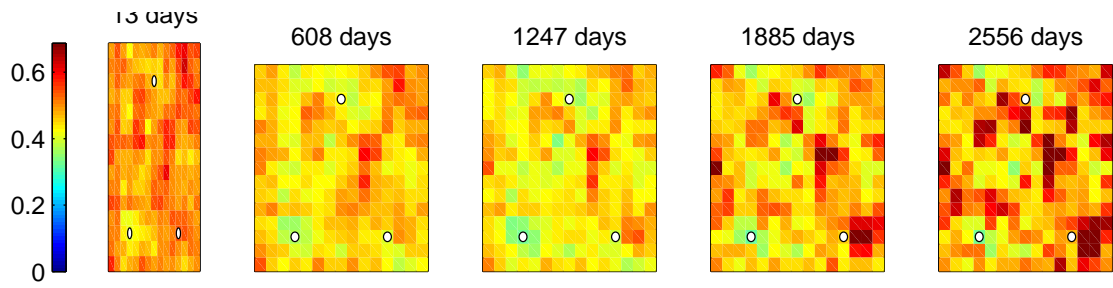


Figure 58: PERMX standard deviation for layer 4

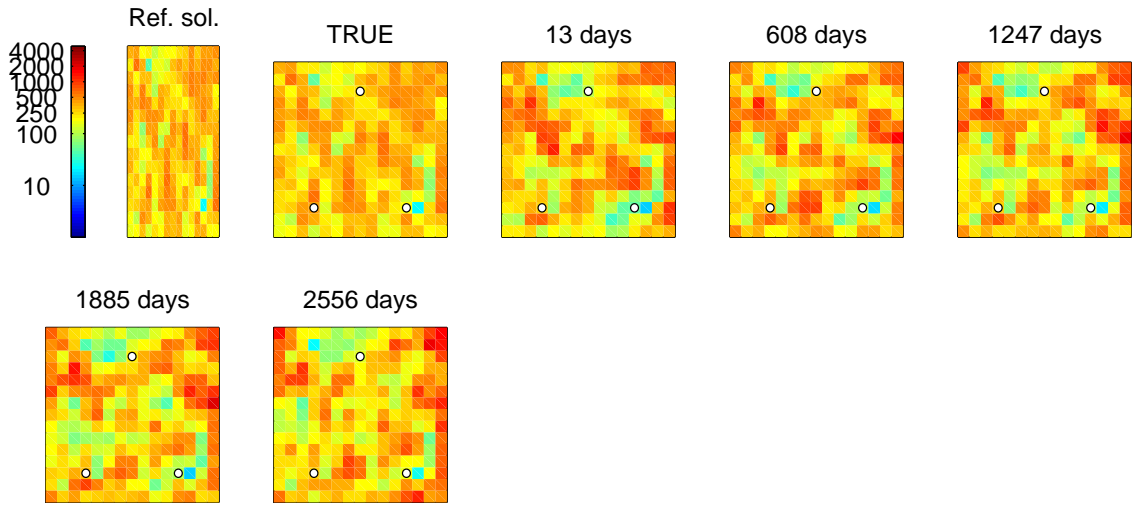


Figure 59: PERMX for ensemble member 1 for layer 4

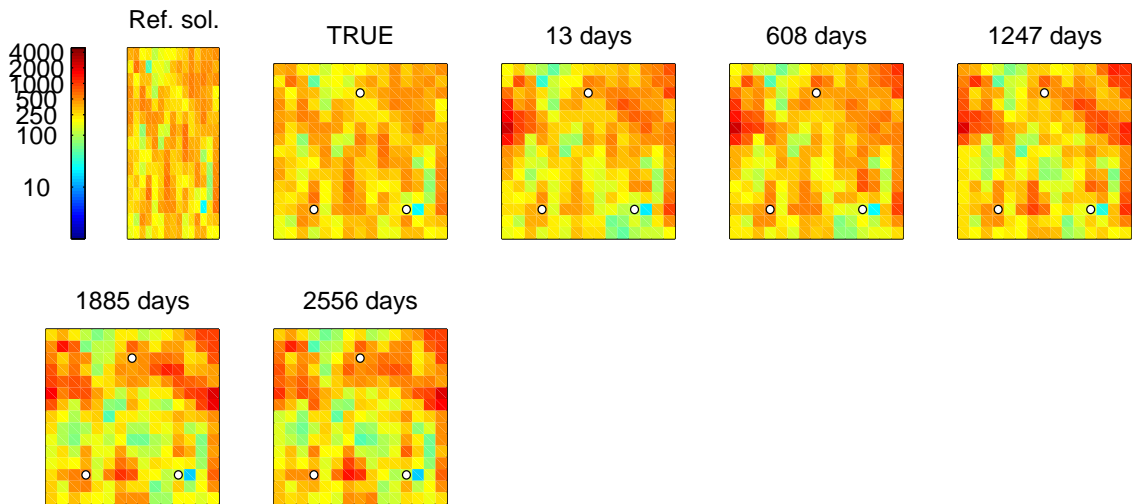


Figure 60: PERMX for ensemble member 2 for layer 4

16 PERMX for layer 5

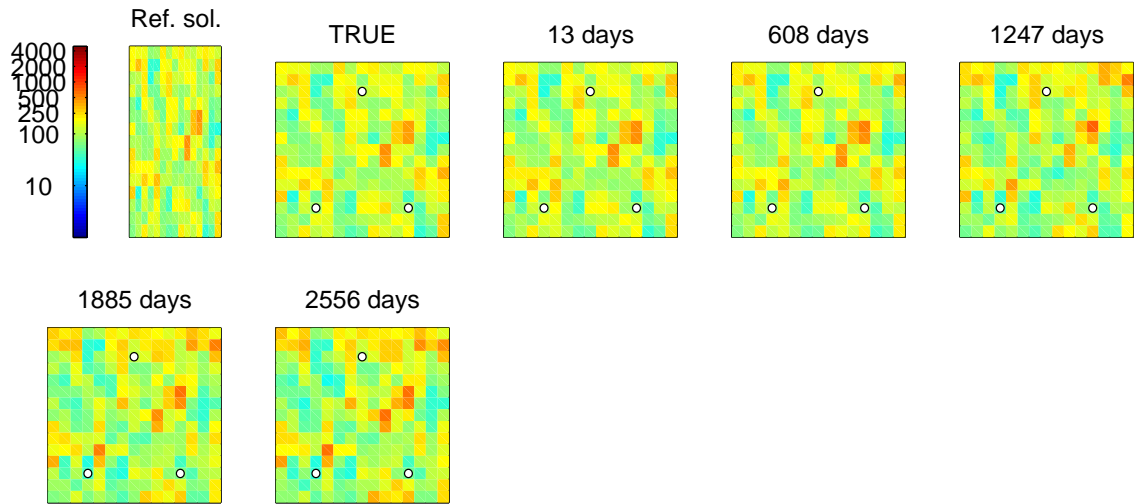


Figure 61: PERMX mean value for layer 5

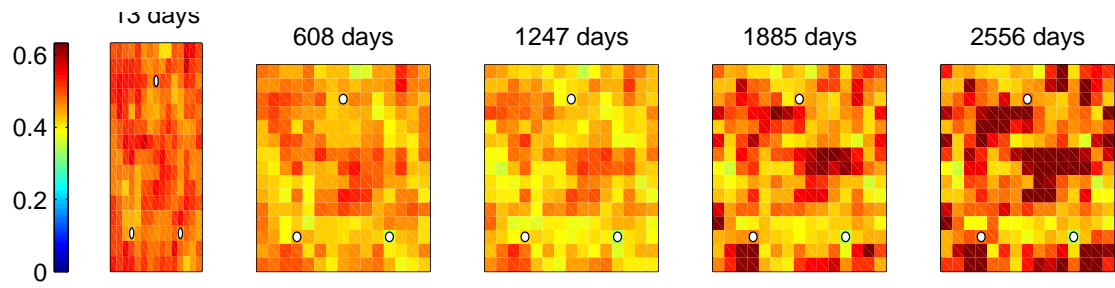


Figure 62: PERMX standard deviation for layer 5

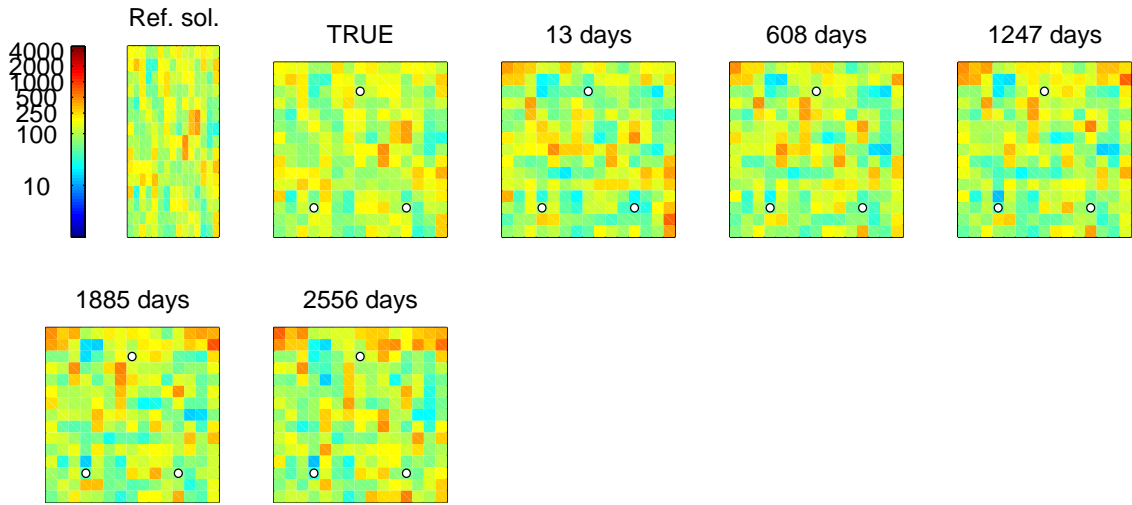


Figure 63: PERMX for ensemble member 1 for layer 5

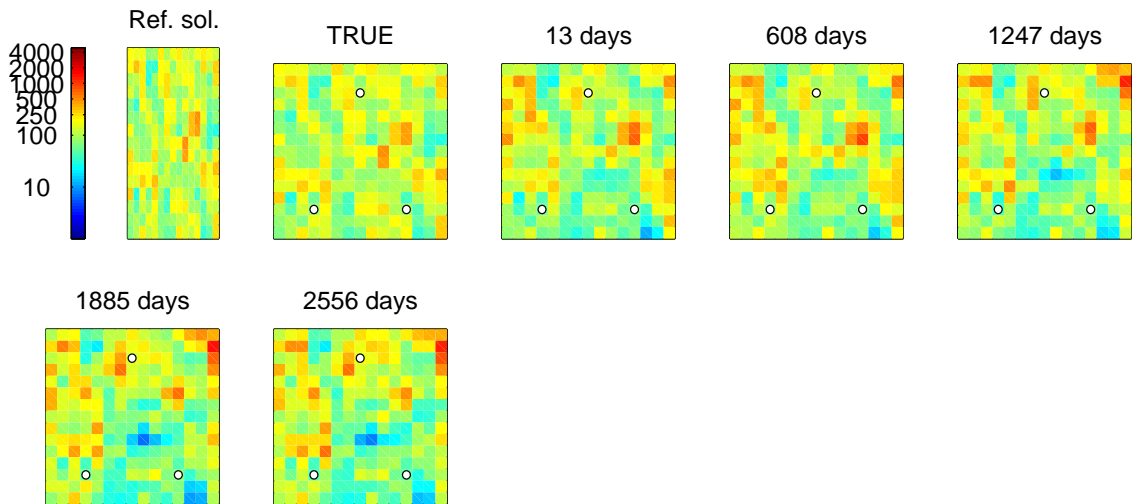


Figure 64: PERMX for ensemble member 2 for layer 5

17 PERMX for layer 6

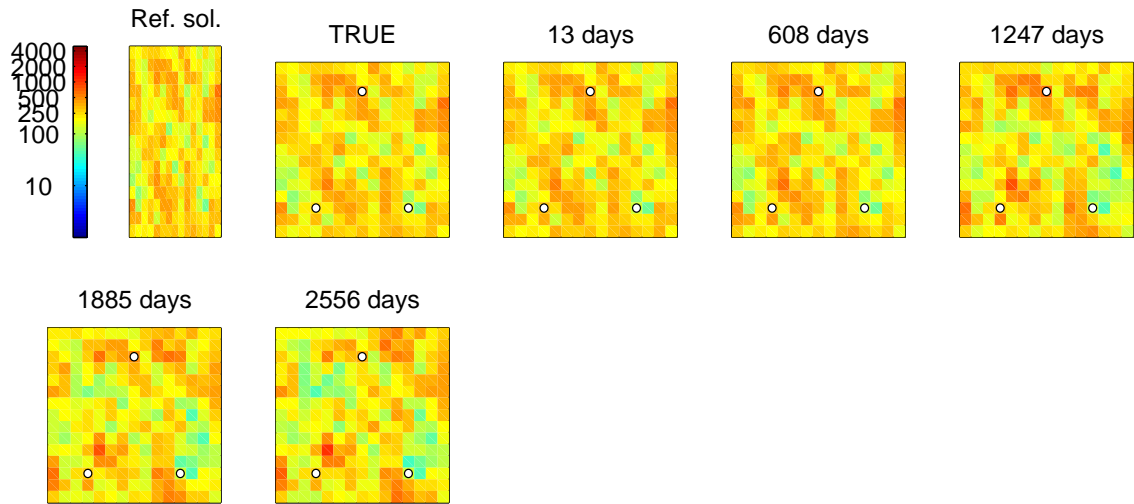


Figure 65: PERMX mean value for layer 6

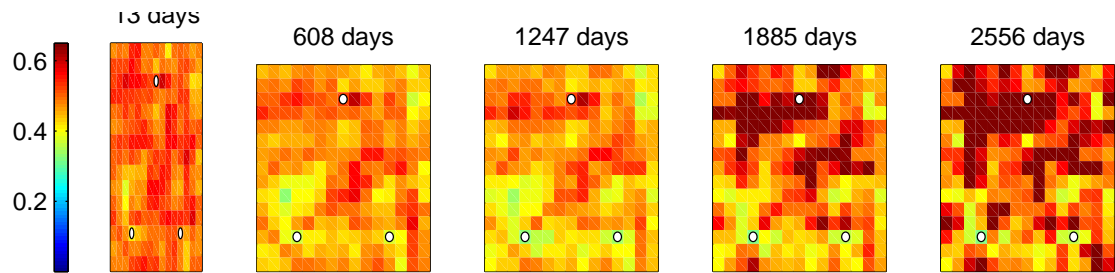


Figure 66: PERMX standard deviation for layer 6

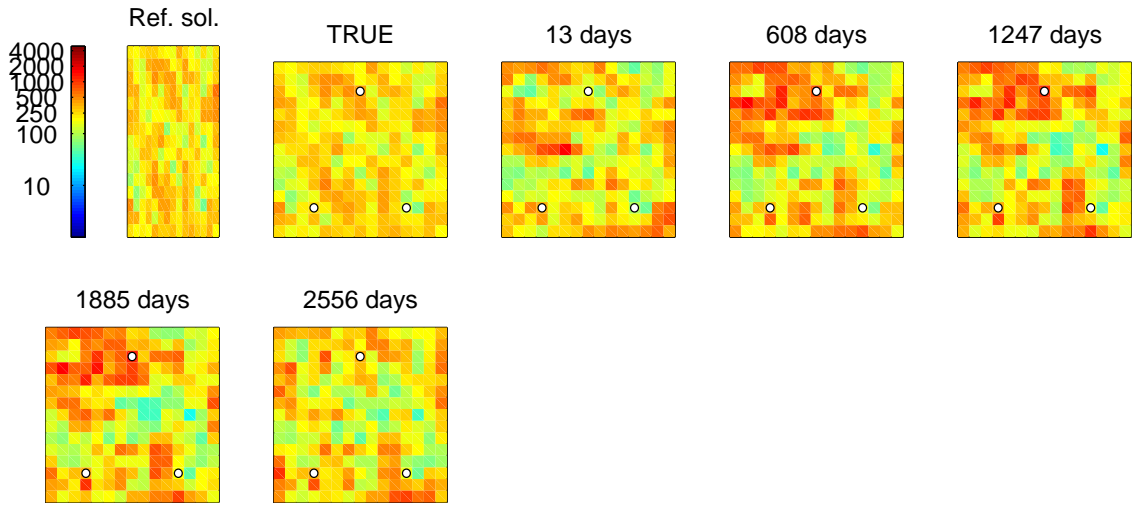


Figure 67: PERMX for ensemble member 1 for layer 6

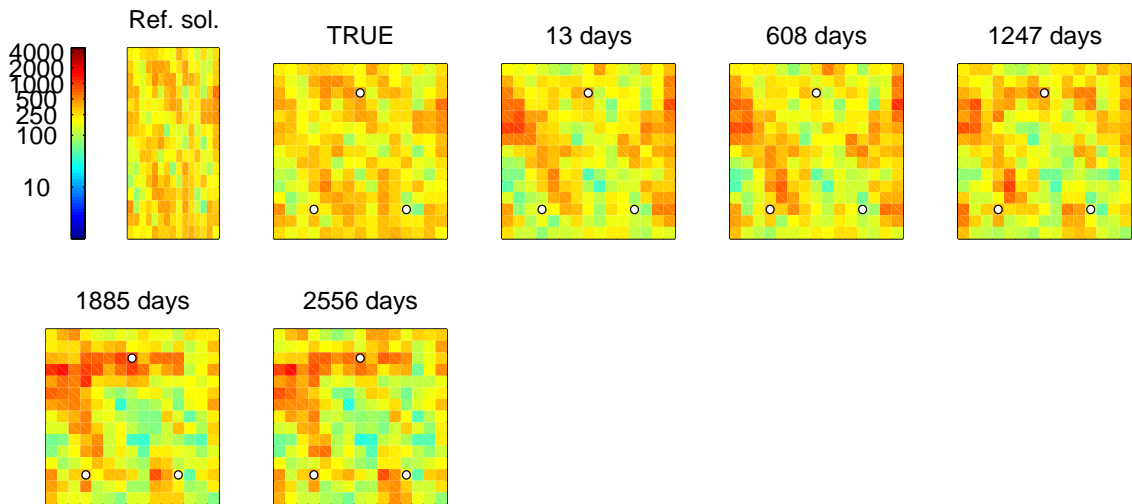


Figure 68: PERMX for ensemble member 2 for layer 6

18 PERMX for layer 7

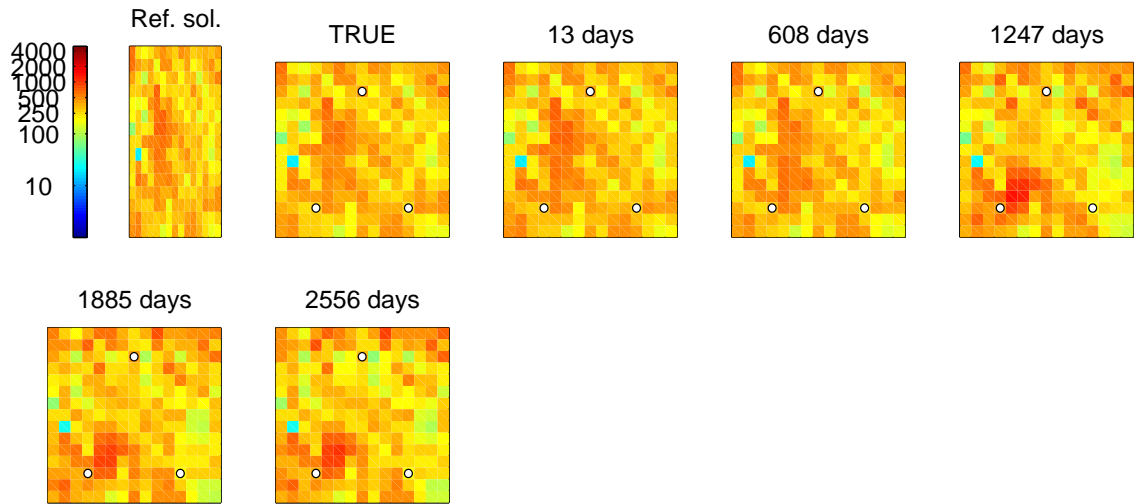


Figure 69: PERMX mean value for layer 7

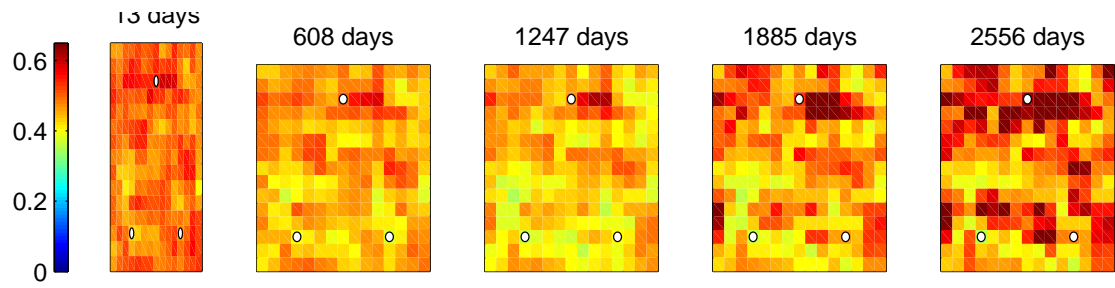


Figure 70: PERMX standard deviation for layer 7

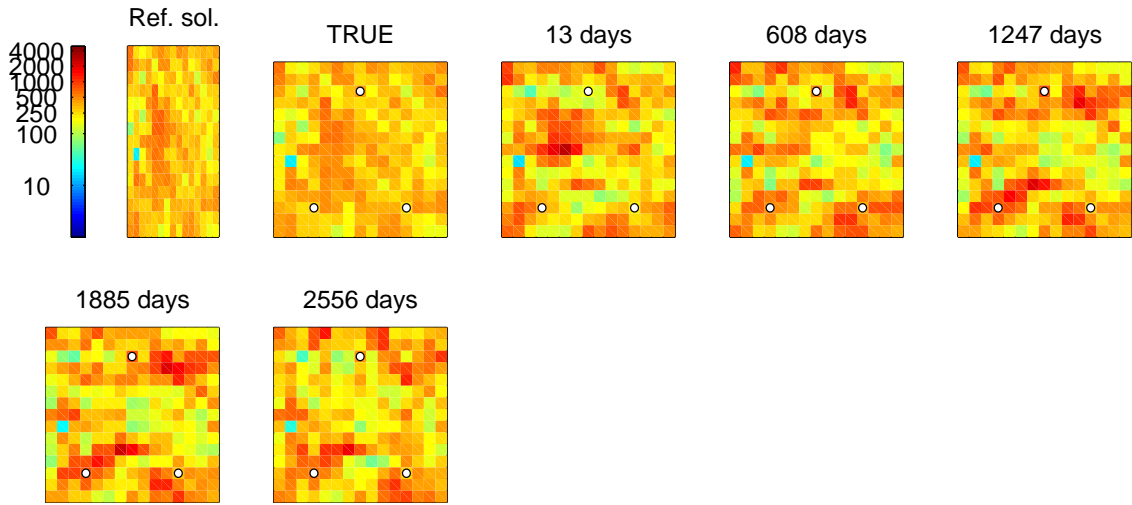


Figure 71: PERMX for ensemble member 1 for layer 7

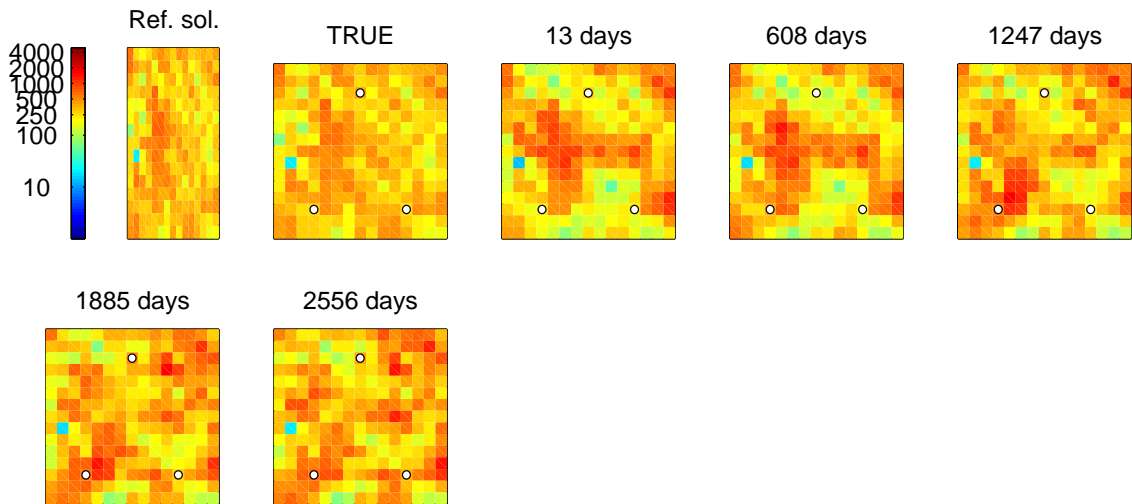


Figure 72: PERMX for ensemble member 2 for layer 7

19 PERMX for layer 8

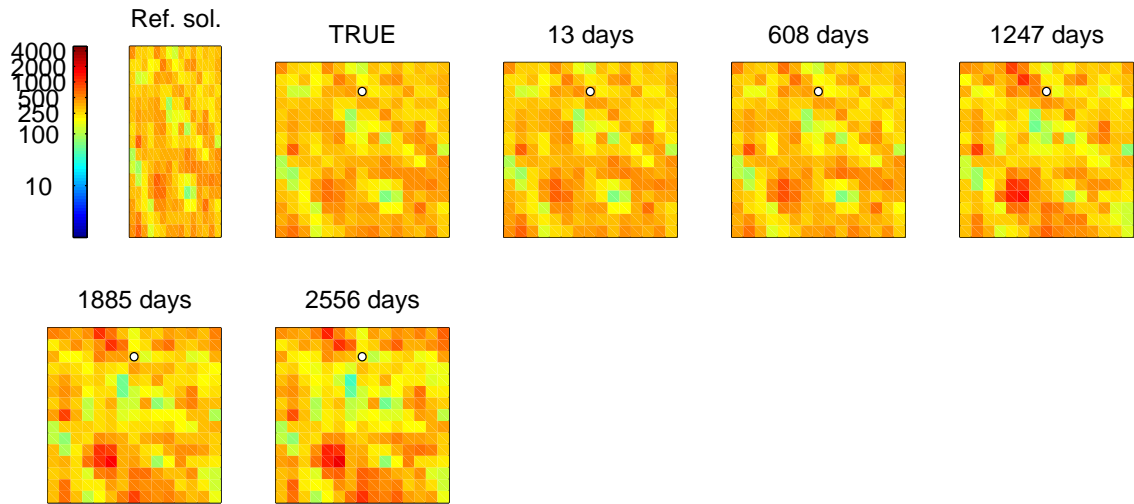


Figure 73: PERMX mean value for layer 8

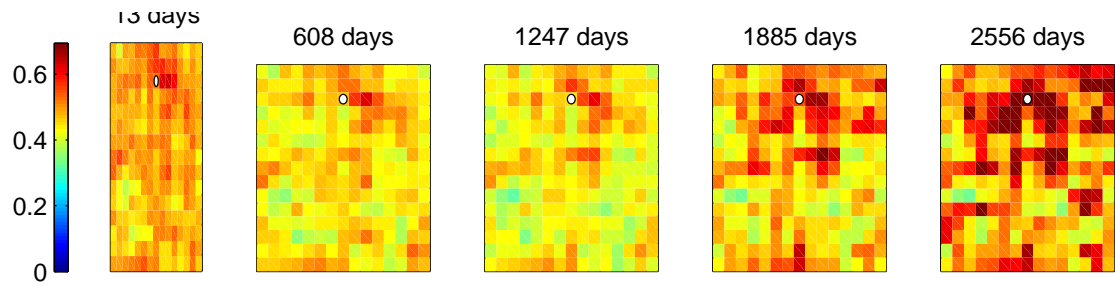


Figure 74: PERMX standard deviation for layer 8

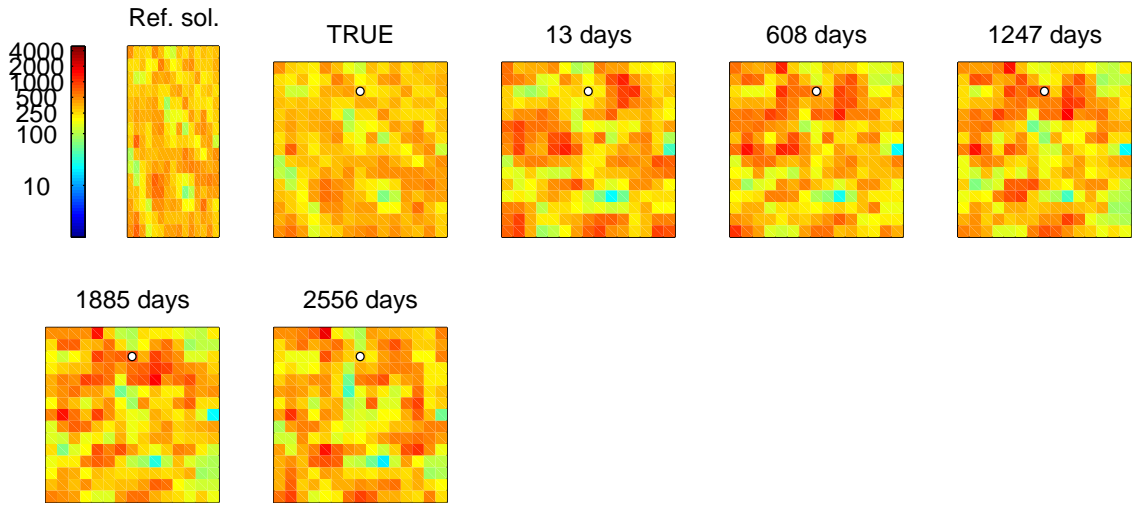


Figure 75: PERMX for ensemble member 1 for layer 8

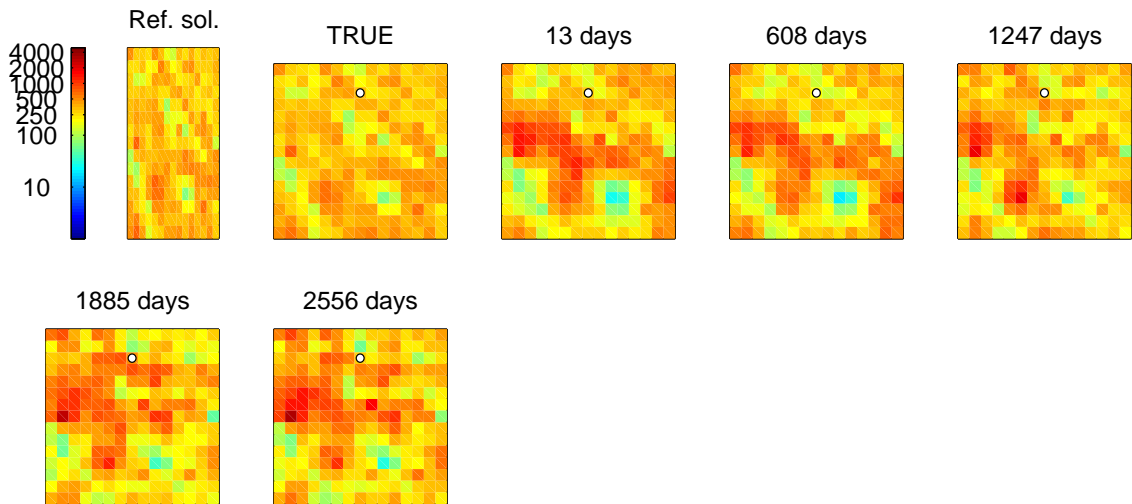


Figure 76: PERMX for ensemble member 2 for layer 8

20 PERMX for layer 9

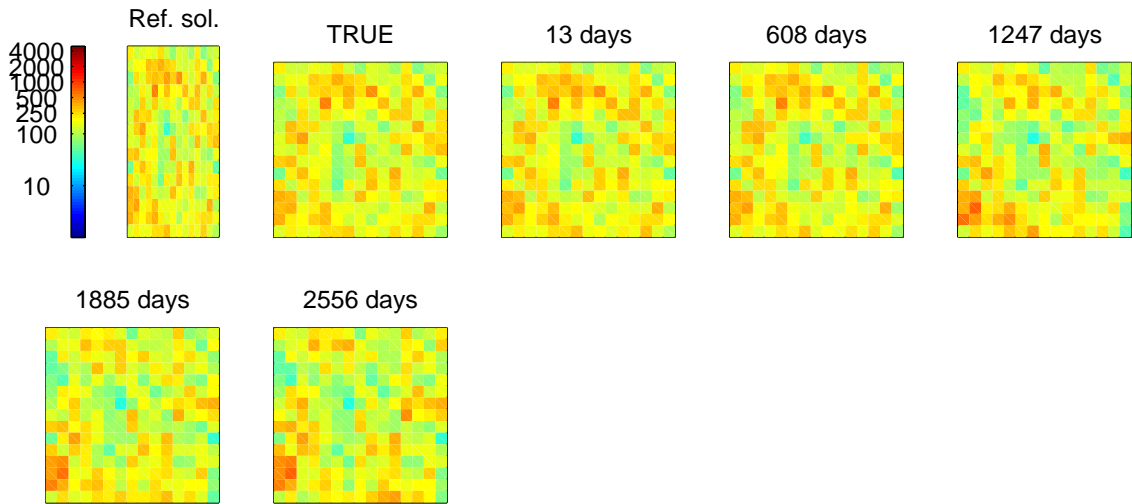


Figure 77: PERMX mean value for layer 9

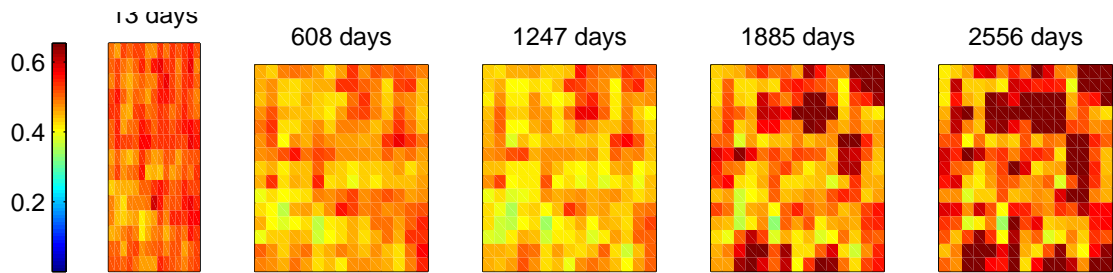


Figure 78: PERMX standard deviation for layer 9

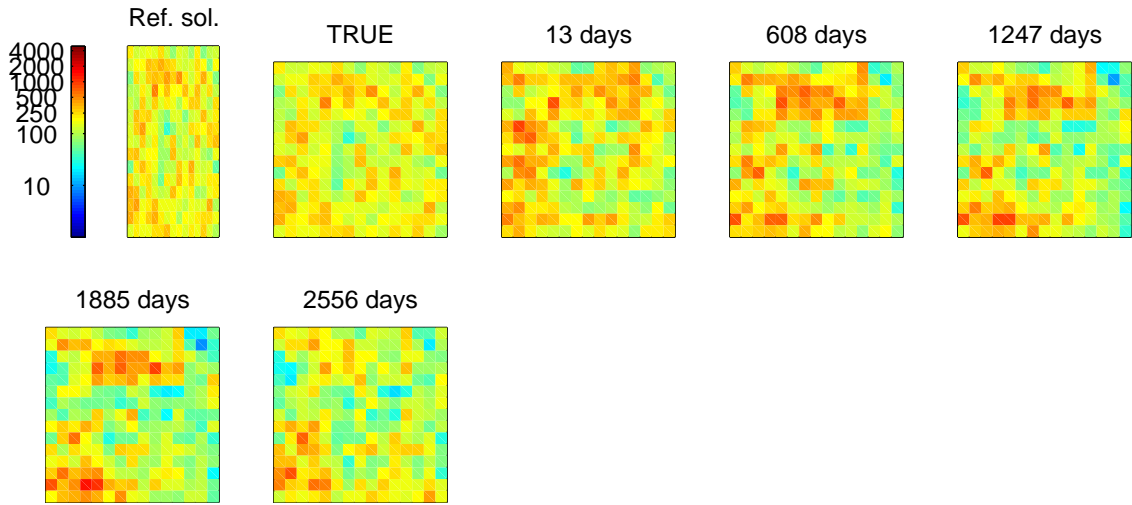


Figure 79: PERMX for ensemble member 1 for layer 9

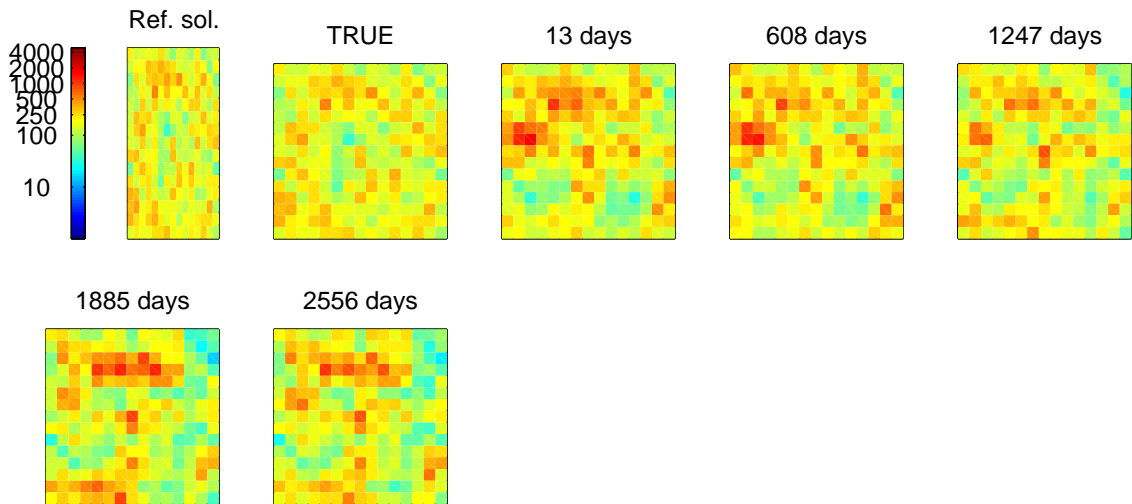


Figure 80: PERMX for ensemble member 2 for layer 9

21 PERMX for layer 10

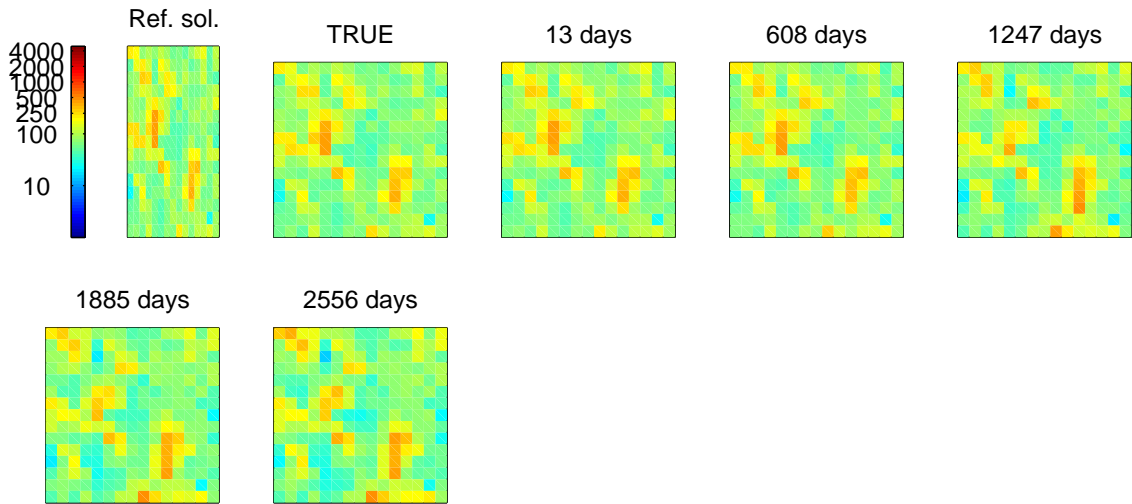


Figure 81: PERMX mean value for layer 10

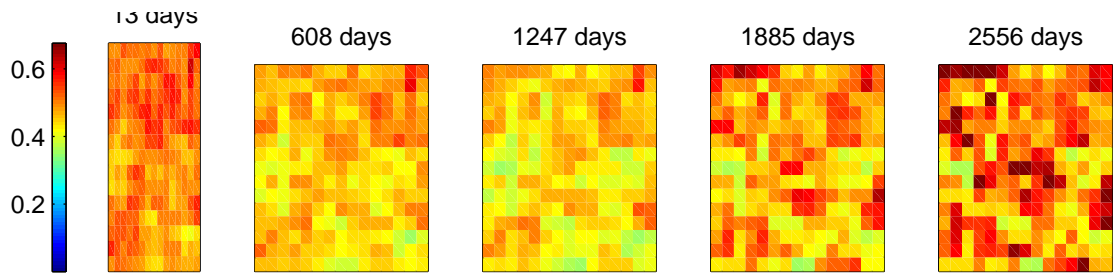


Figure 82: PERMX standard deviation for layer 10

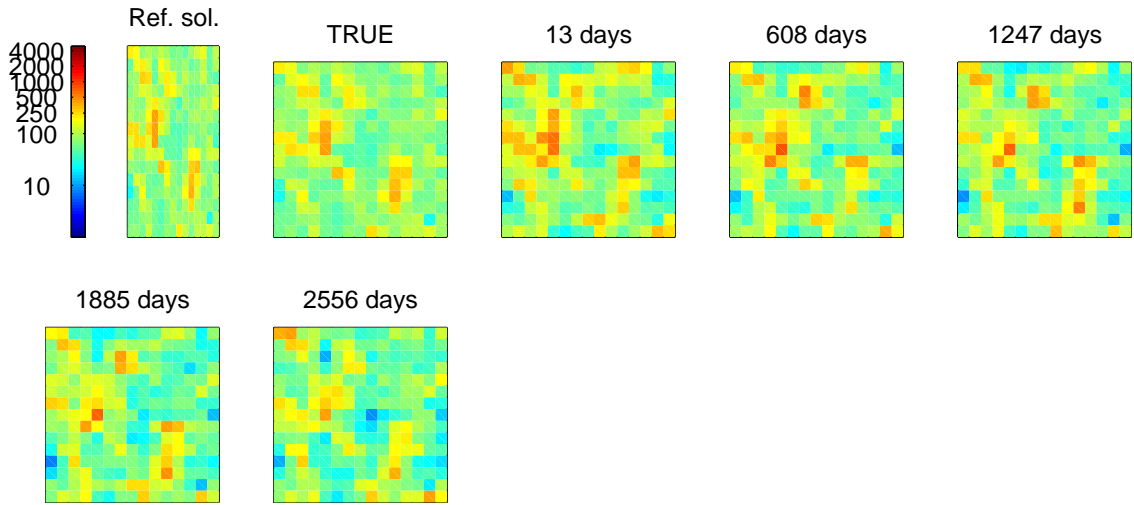


Figure 83: PERMX for ensemble member 1 for layer 10

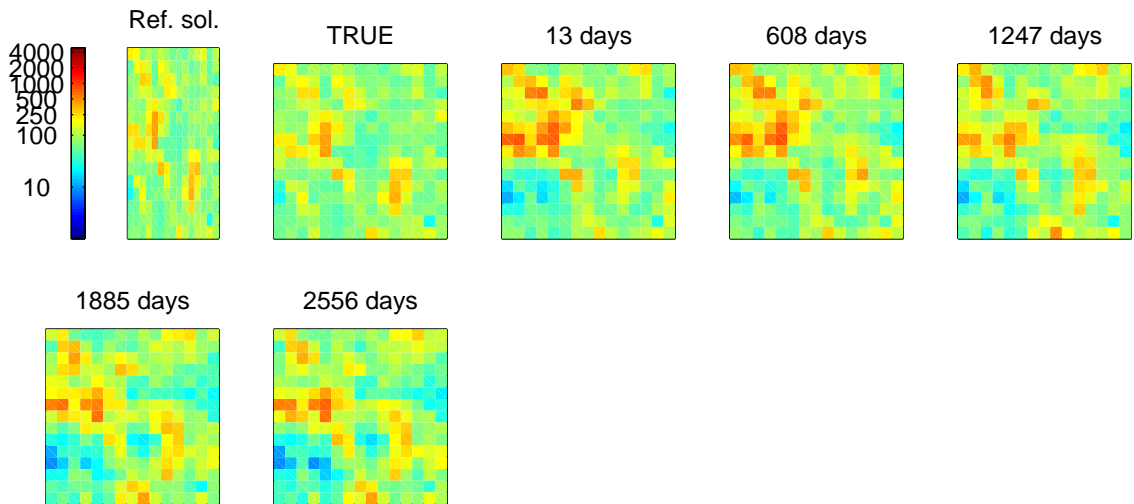


Figure 84: PERMX for ensemble member 2 for layer 10

22 PERMY for layer 1

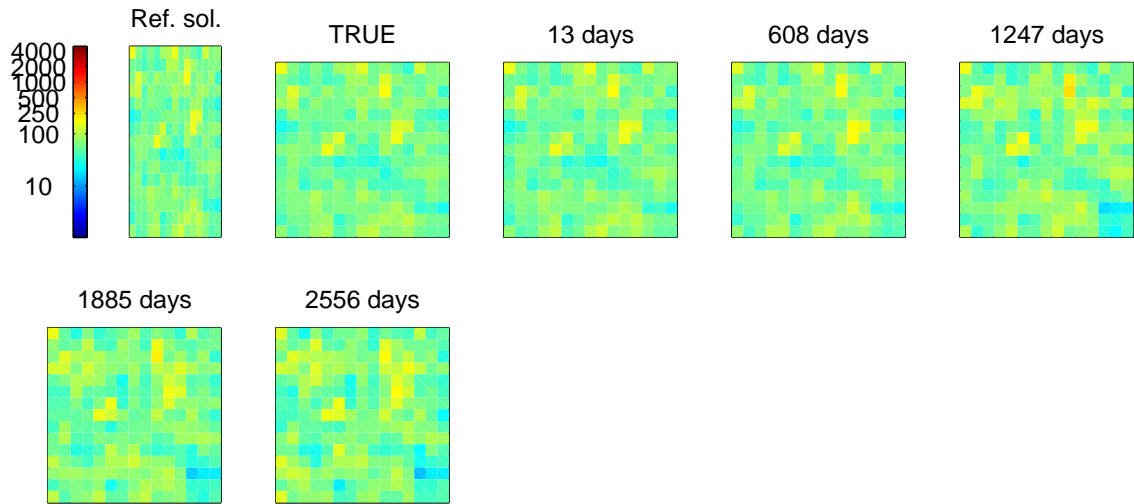


Figure 85: PERMY mean value for layer 1

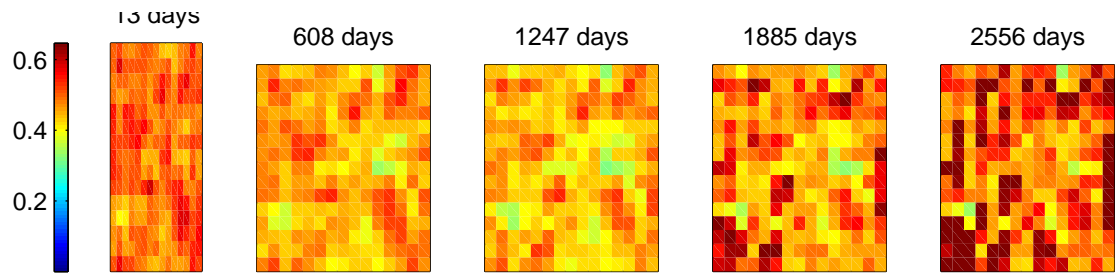


Figure 86: PERMY standard deviation for layer 1

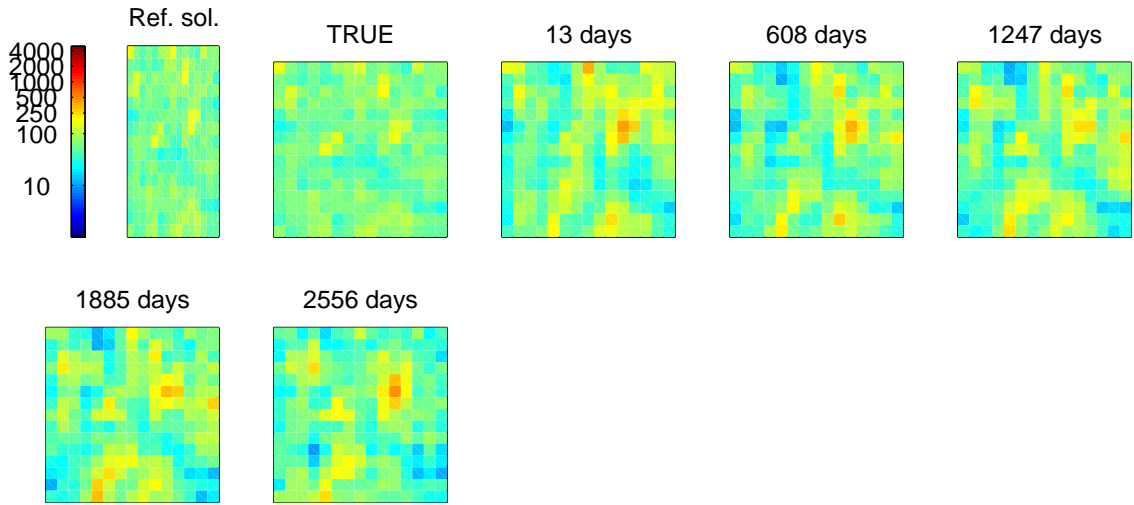


Figure 87: PERMY for ensemble member 1 for layer 1

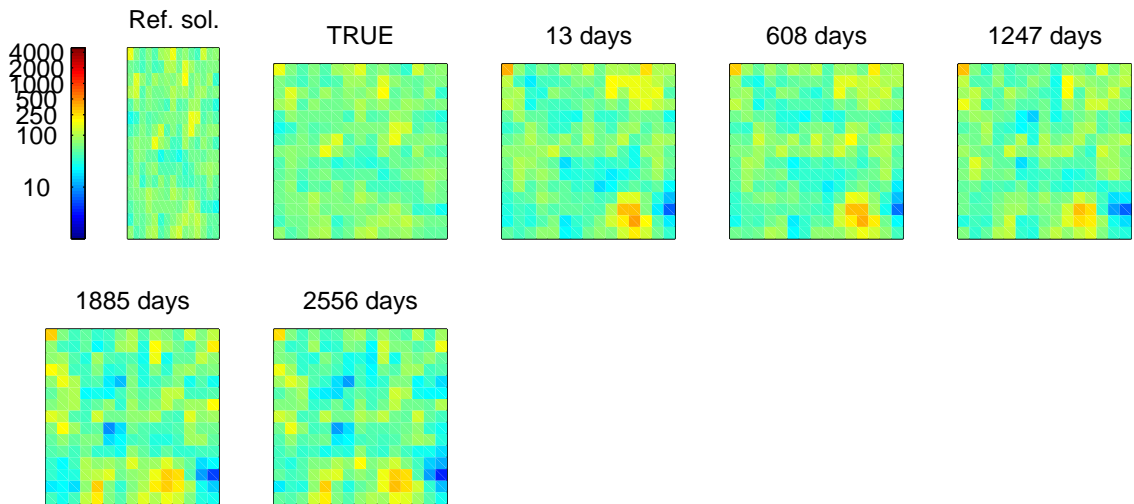


Figure 88: PERMY for ensemble member 2 for layer 1

23 PERMY for layer 2

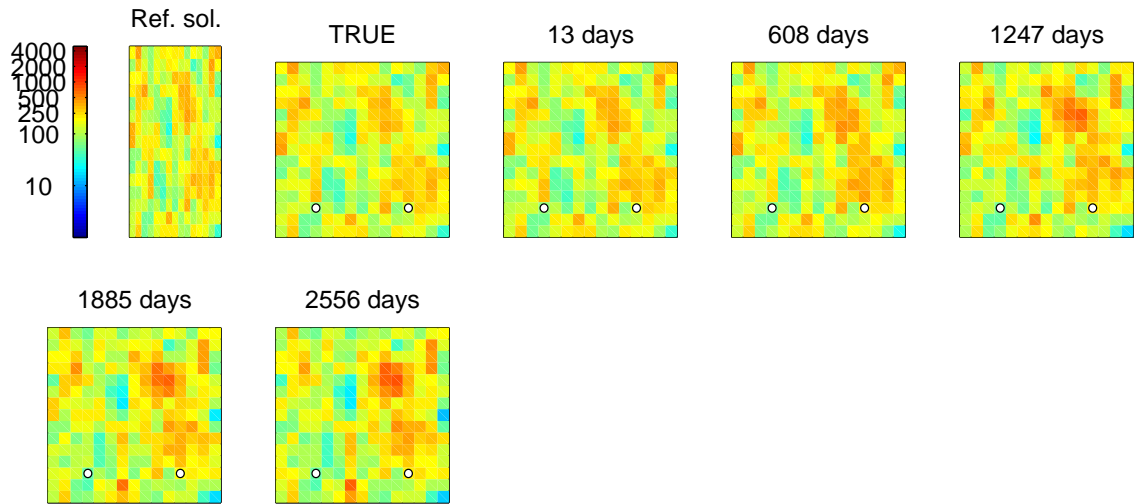


Figure 89: PERMY mean value for layer 2

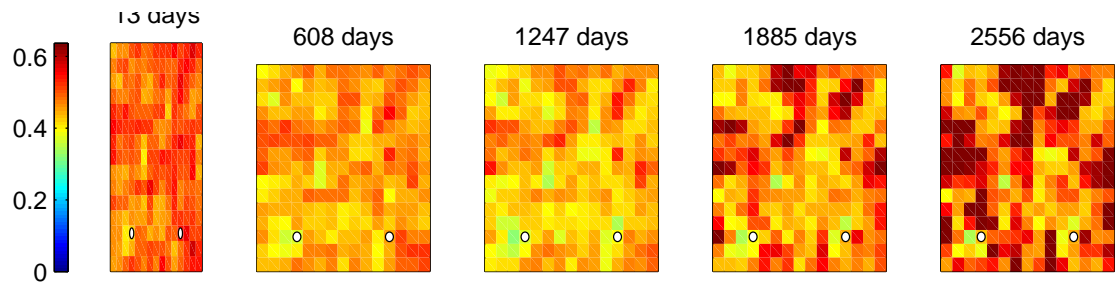


Figure 90: PERMY standard deviation for layer 2

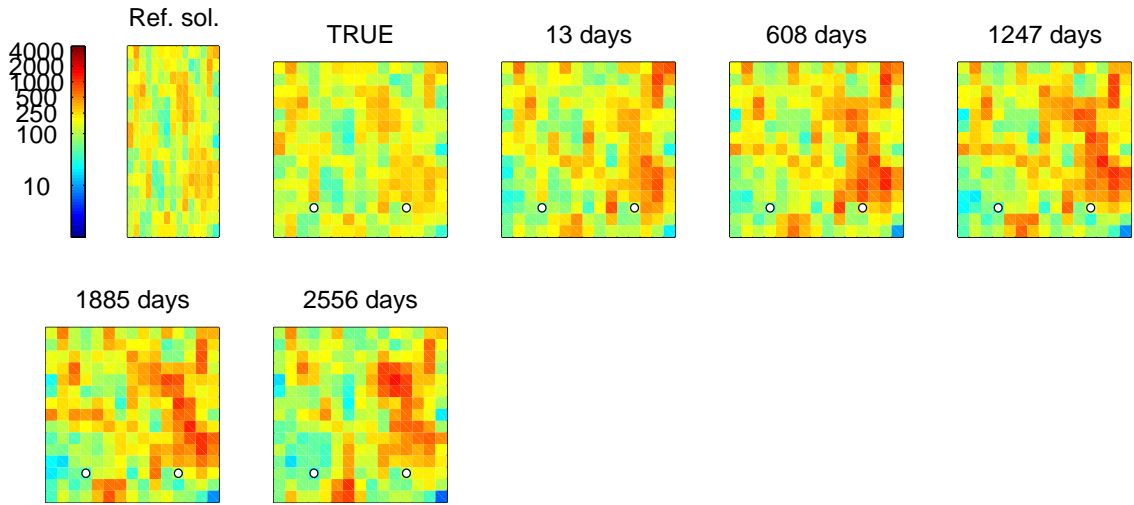


Figure 91: PERMY for ensemble member 1 for layer 2

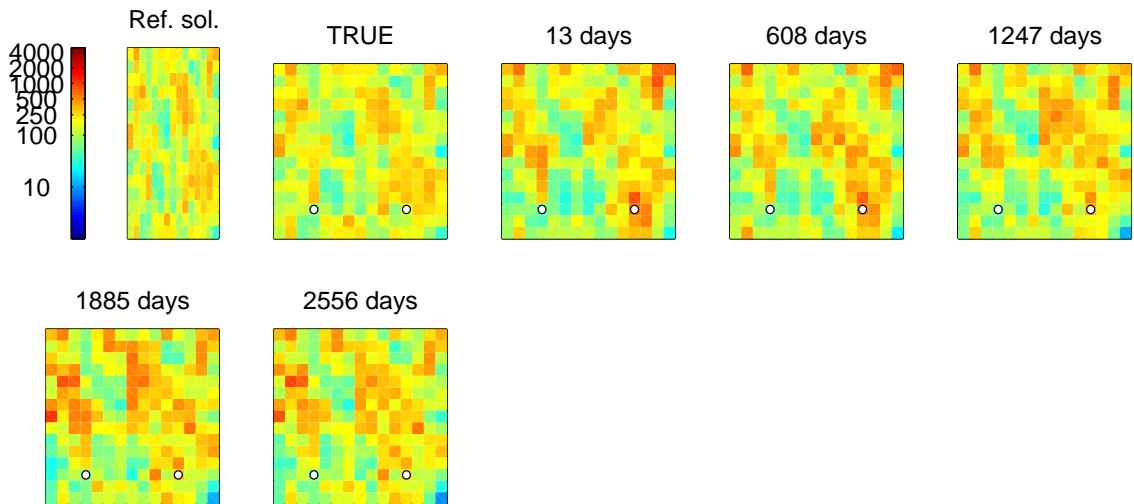


Figure 92: PERMY for ensemble member 2 for layer 2

24 PERMY for layer 3

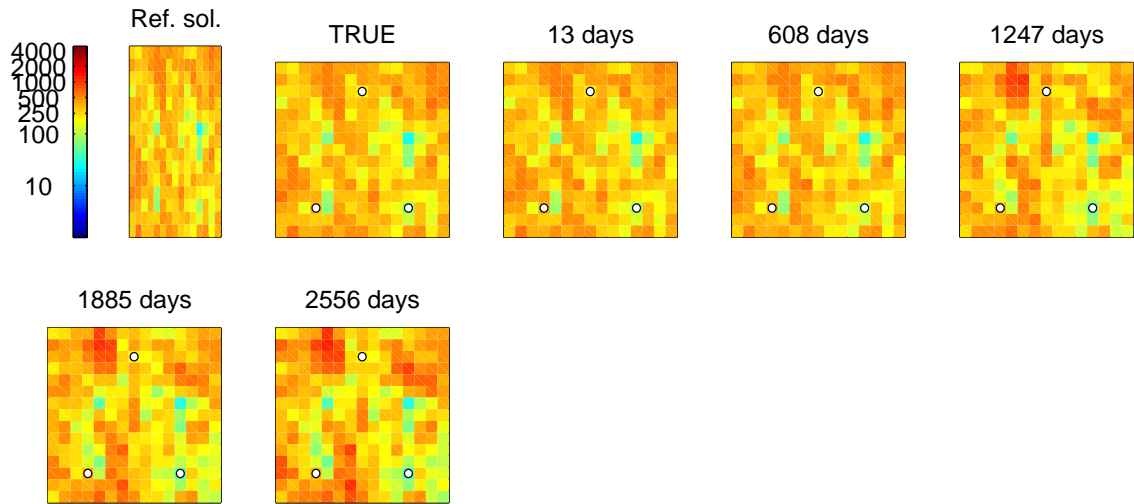


Figure 93: PERMY mean value for layer 3

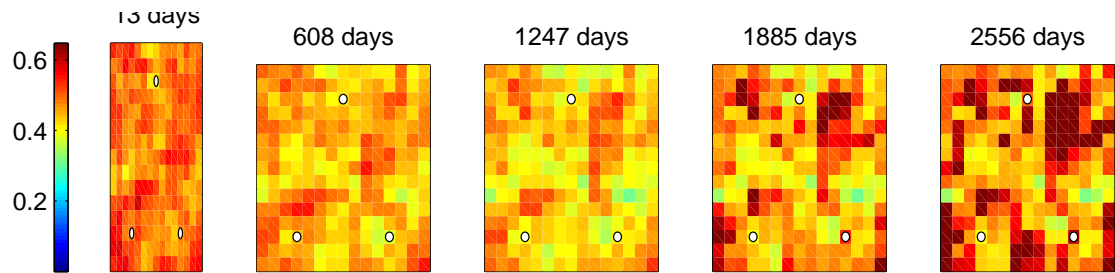


Figure 94: PERMY standard deviation for layer 3

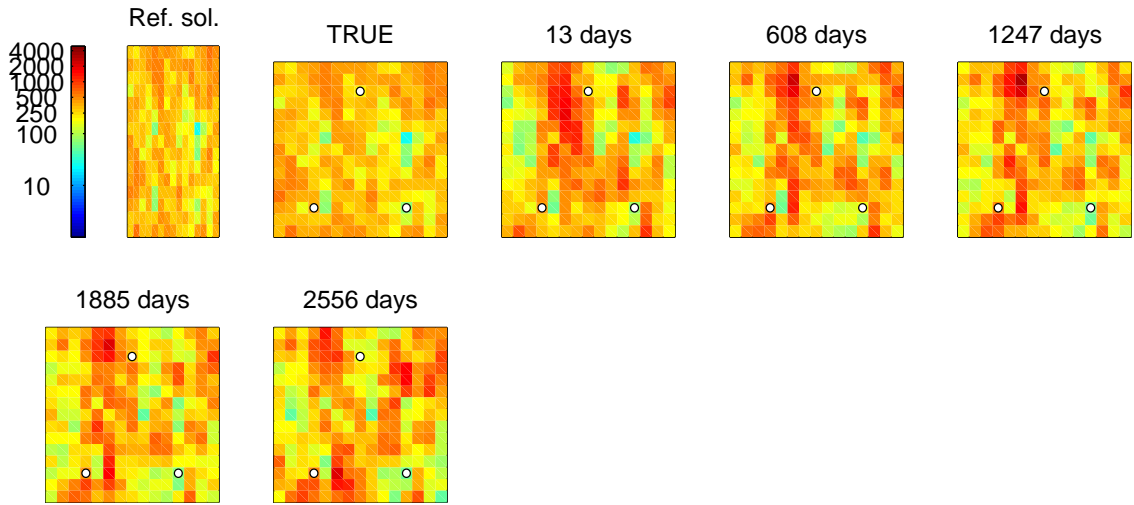


Figure 95: PERMY for ensemble member 1 for layer 3

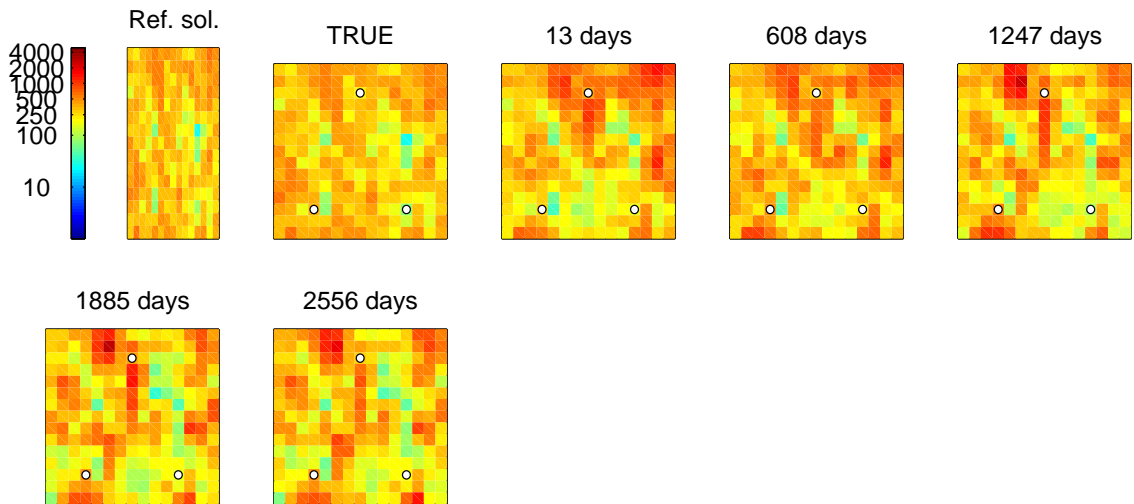


Figure 96: PERMY for ensemble member 2 for layer 3

25 PERMY for layer 4

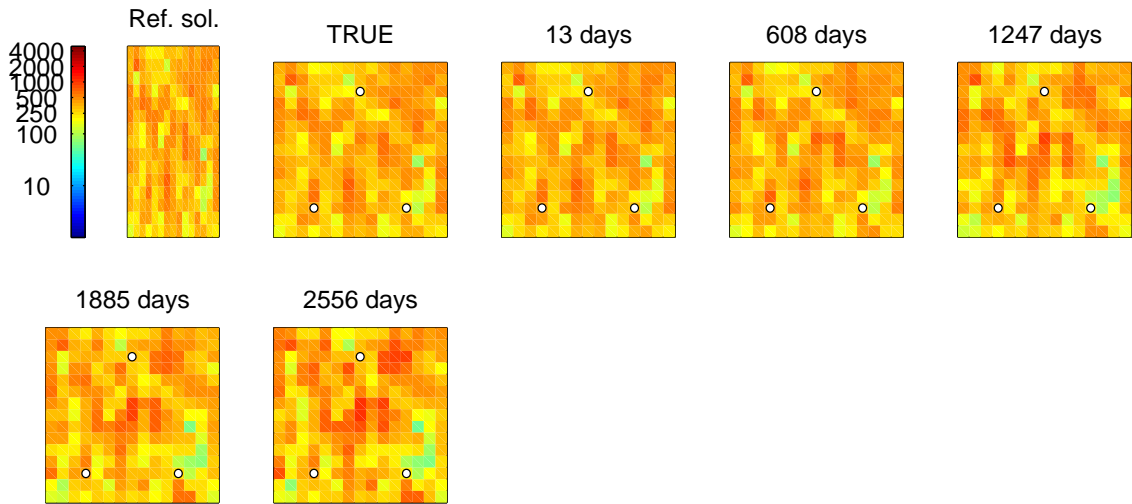


Figure 97: PERMY mean value for layer 4

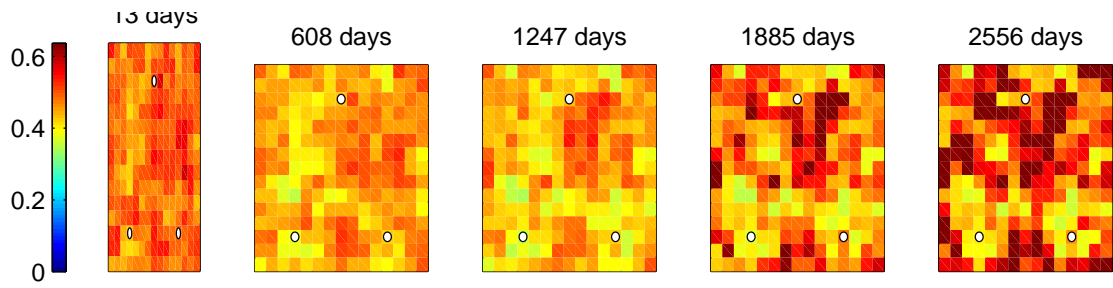


Figure 98: PERMY standard deviation for layer 4

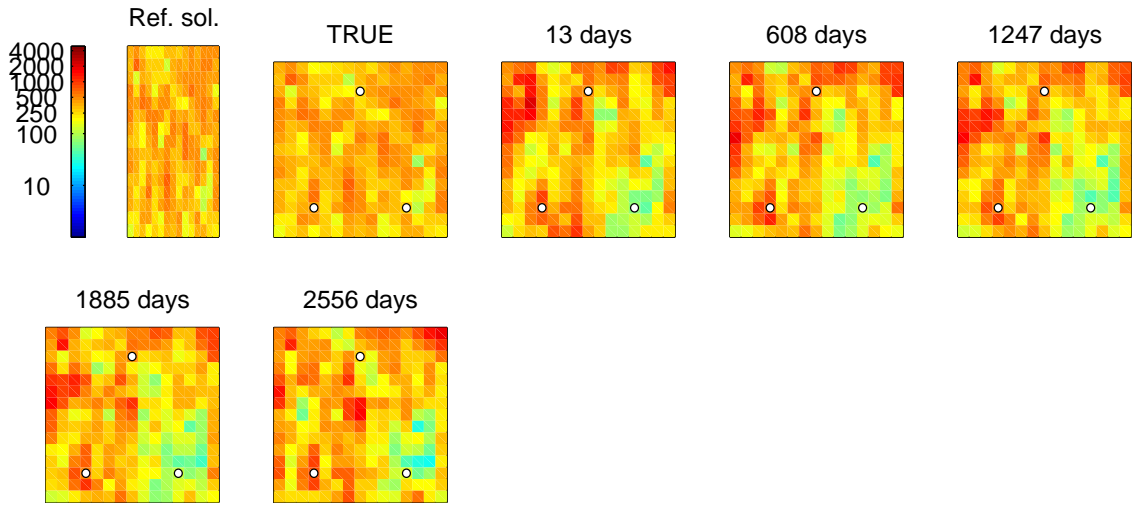


Figure 99: PERMY for ensemble member 1 for layer 4

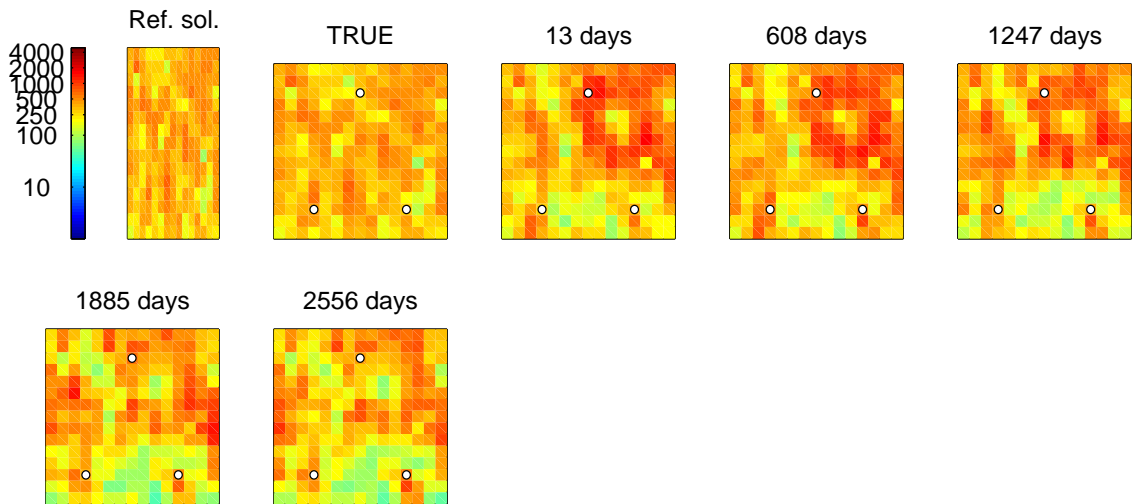


Figure 100: PERMY for ensemble member 2 for layer 4

26 PERMY for layer 5

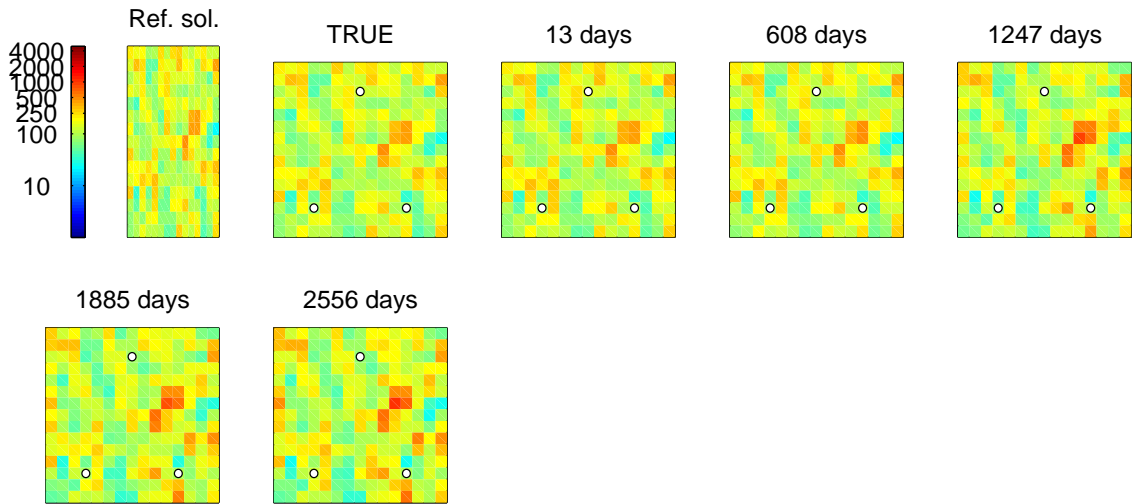


Figure 101: PERMY mean value for layer 5

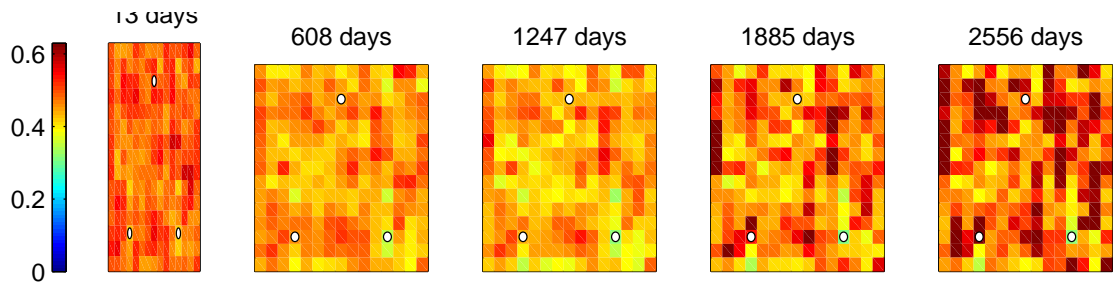


Figure 102: PERMY standard deviation for layer 5

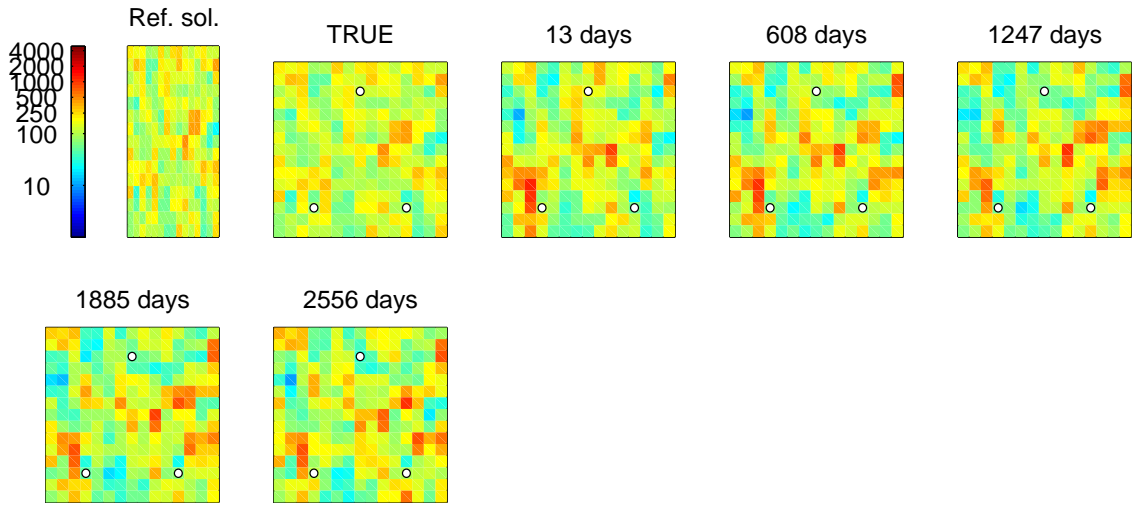


Figure 103: PERMY for ensemble member 1 for layer 5

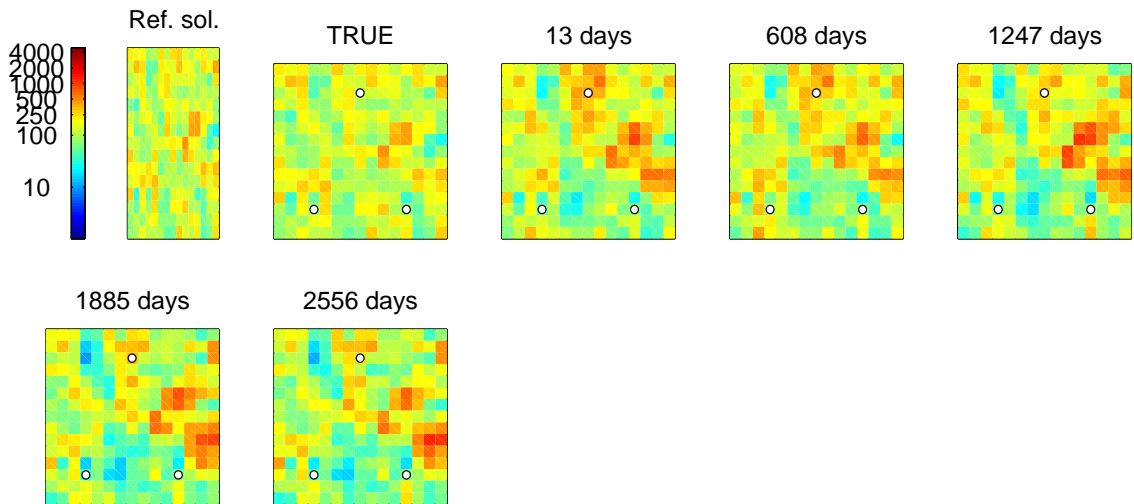


Figure 104: PERMY for ensemble member 2 for layer 5

27 PERMY for layer 6

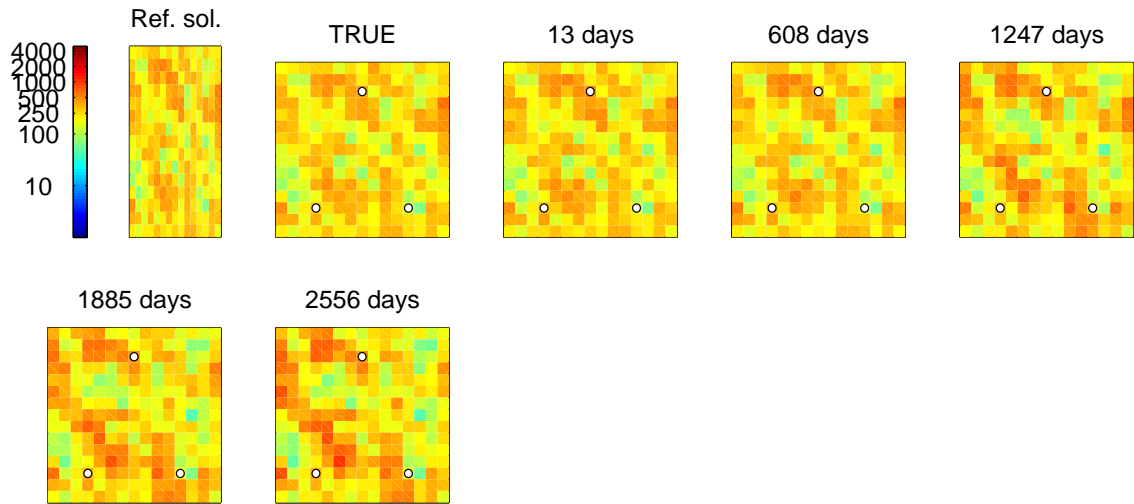


Figure 105: PERMY mean value for layer 6

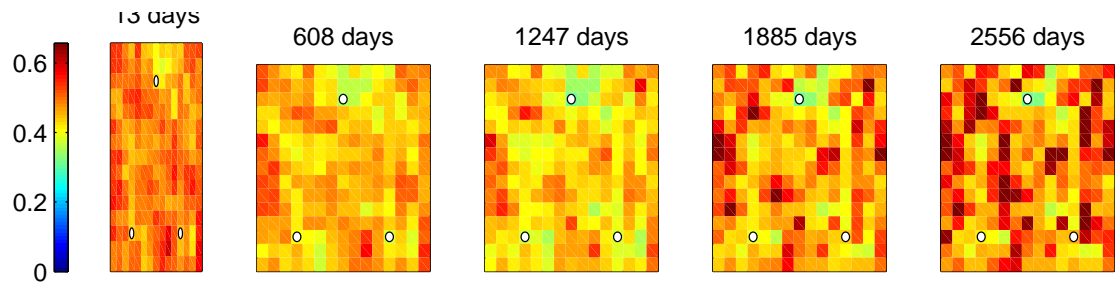


Figure 106: PERMY standard deviation for layer 6

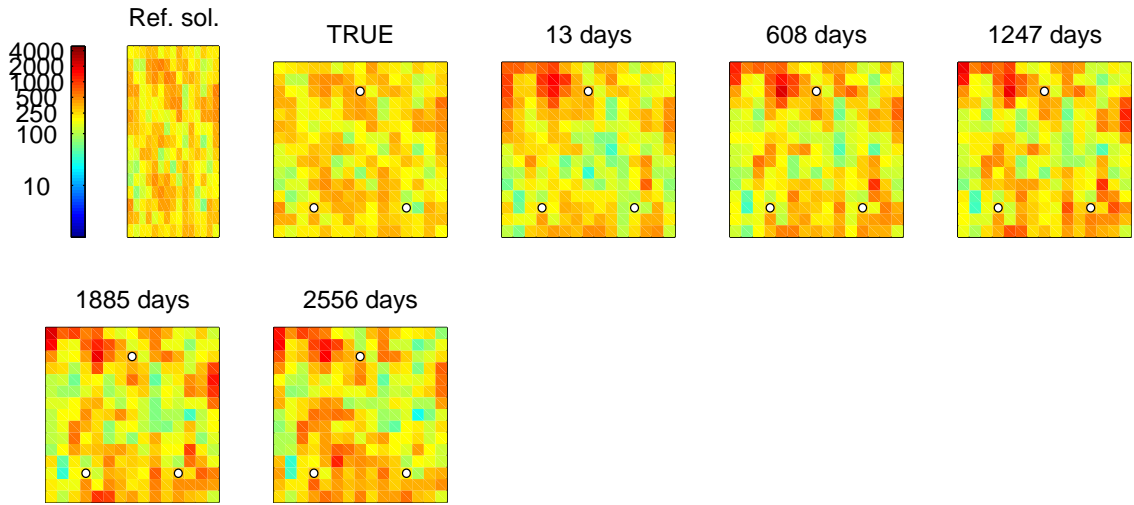


Figure 107: PERMY for ensemble member 1 for layer 6

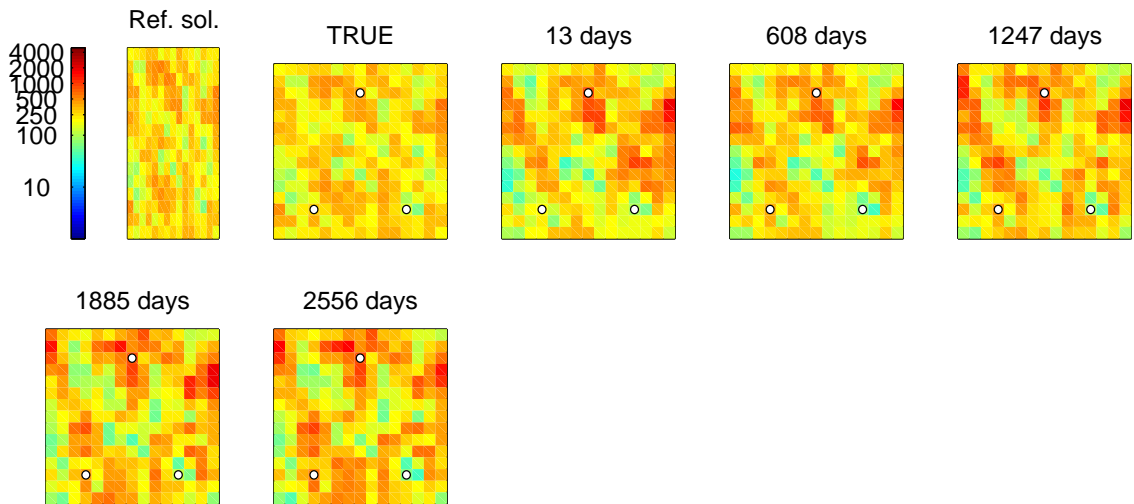


Figure 108: PERMY for ensemble member 2 for layer 6

28 PERMY for layer 7

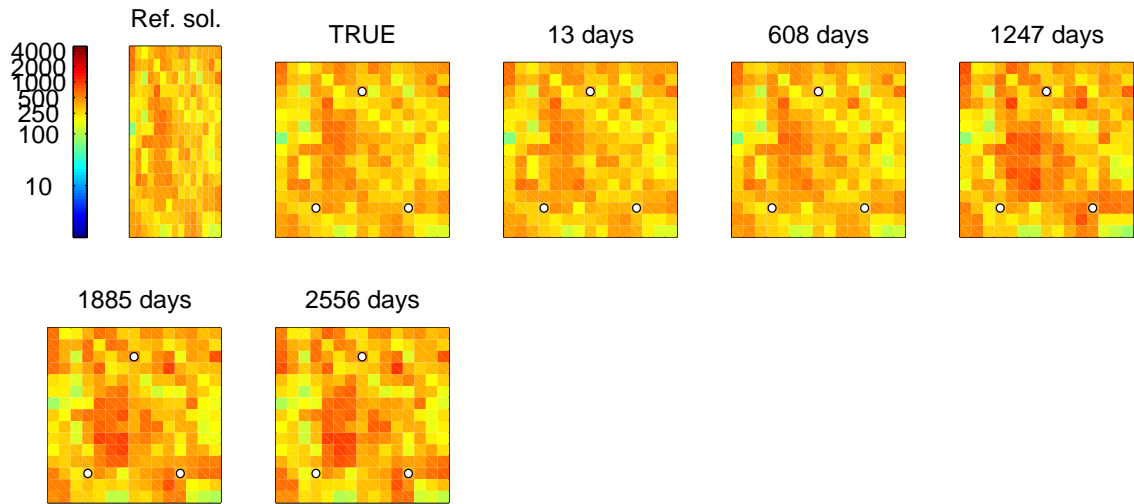


Figure 109: PERMY mean value for layer 7

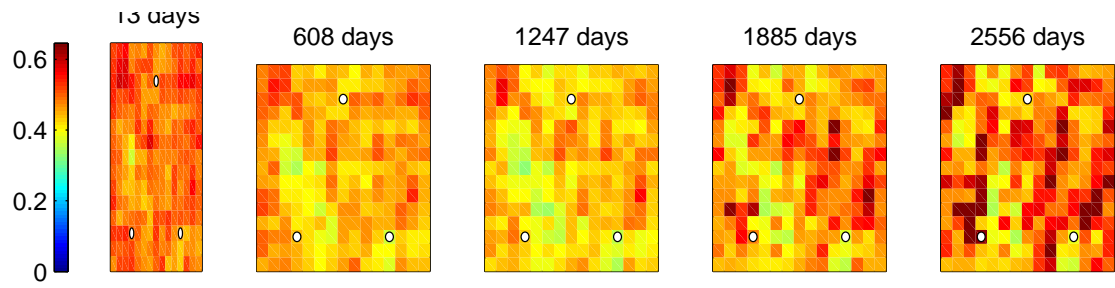


Figure 110: PERMY standard deviation for layer 7

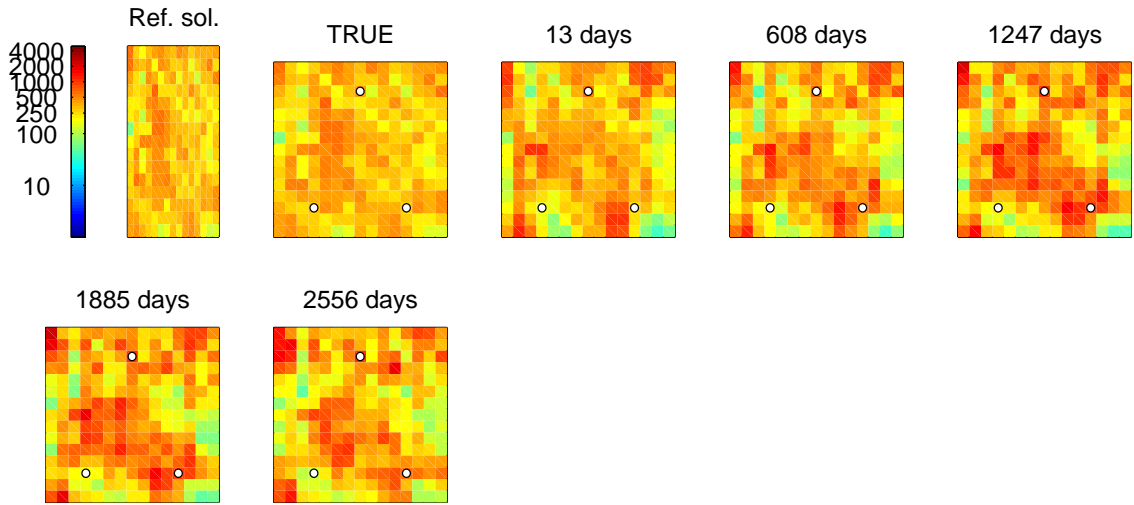


Figure 111: PERMY for ensemble member 1 for layer 7

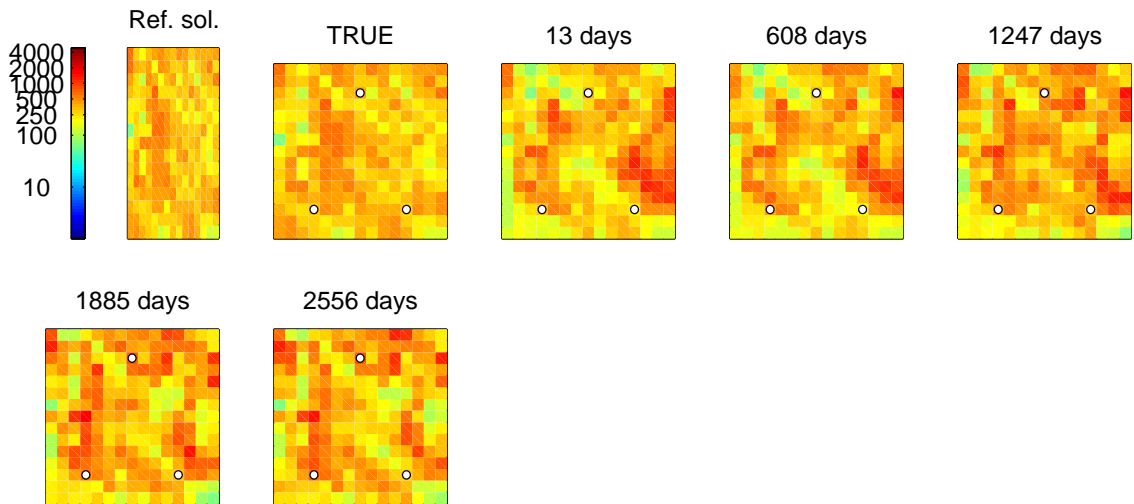


Figure 112: PERMY for ensemble member 2 for layer 7

29 PERMY for layer 8

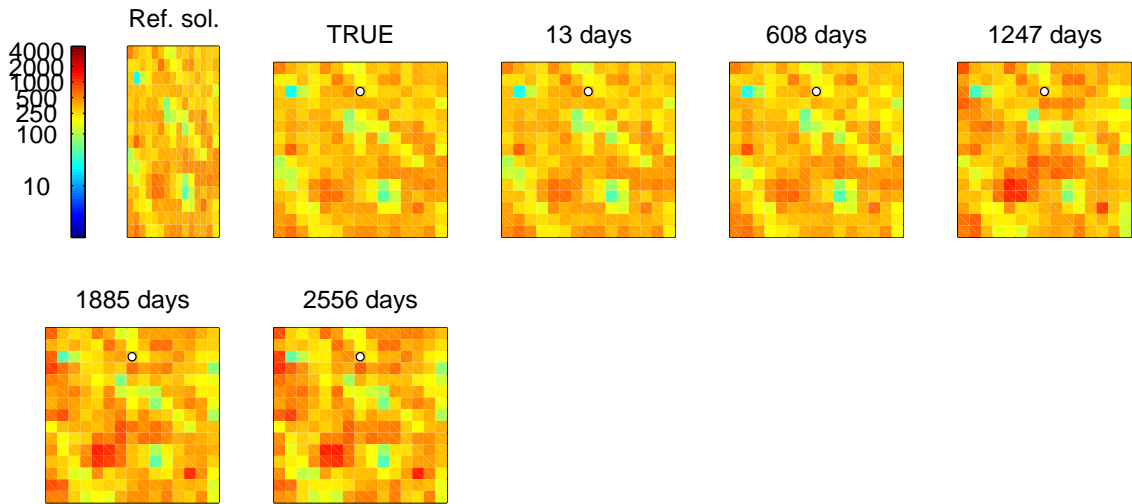


Figure 113: PERMY mean value for layer 8

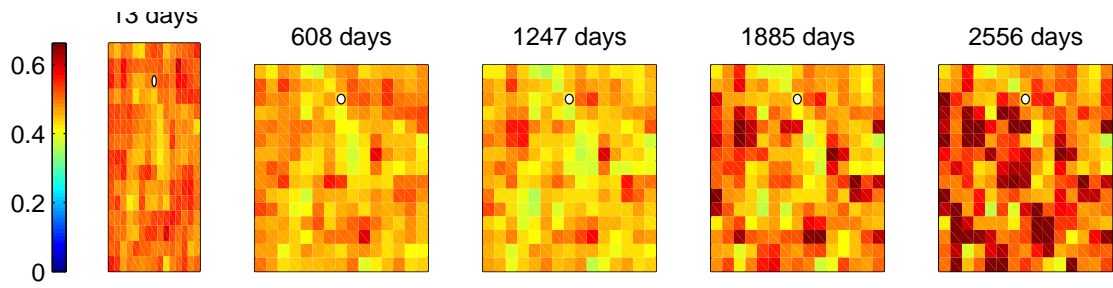


Figure 114: PERMY standard deviation for layer 8

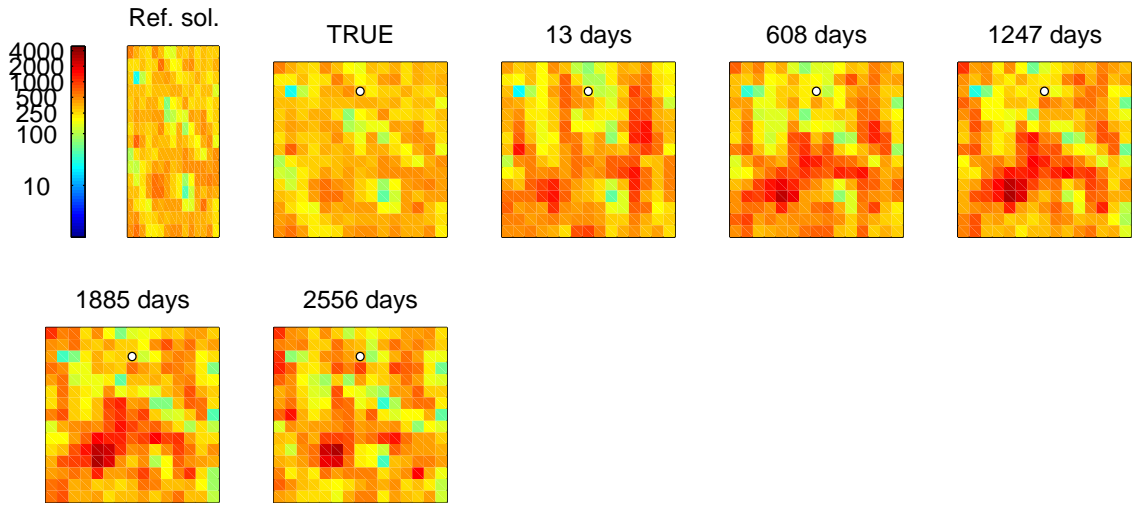


Figure 115: PERMY for ensemble member 1 for layer 8

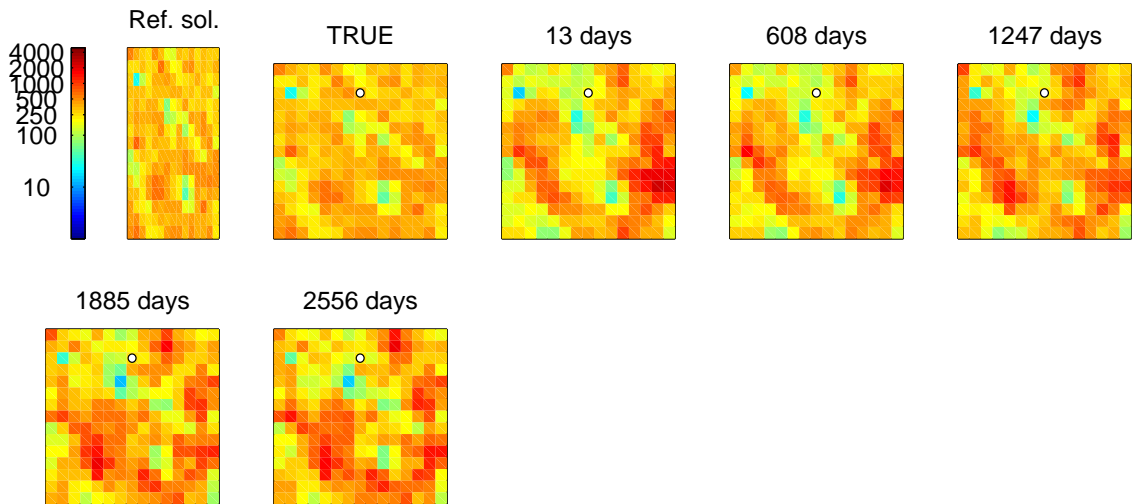


Figure 116: PERMY for ensemble member 2 for layer 8

30 PERMY for layer 9

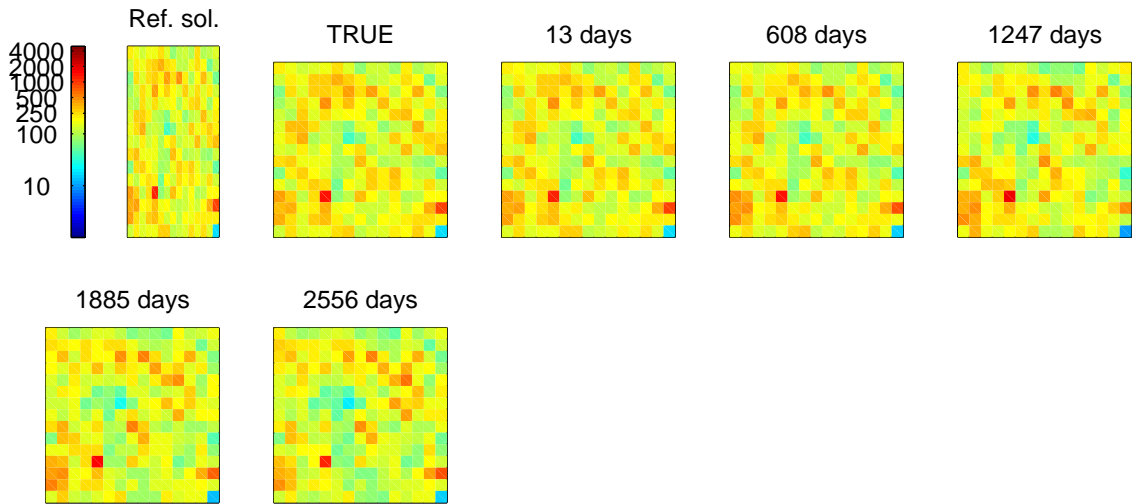


Figure 117: PERMY mean value for layer 9

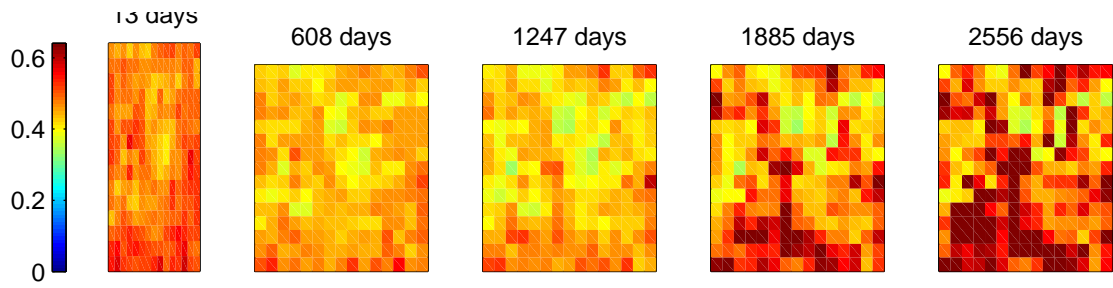


Figure 118: PERMY standard deviation for layer 9

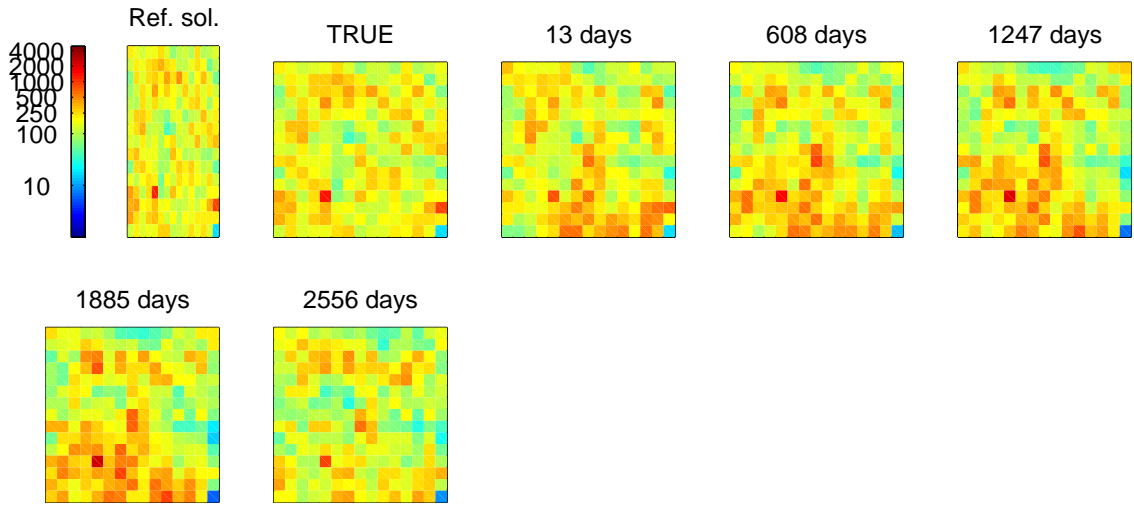


Figure 119: PERMY for ensemble member 1 for layer 9

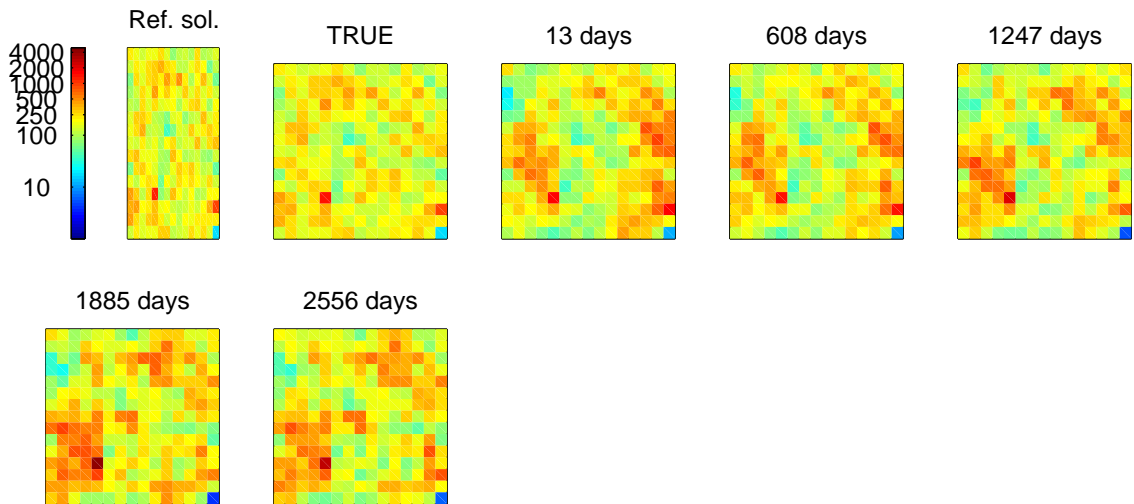


Figure 120: PERMY for ensemble member 2 for layer 9

31 PERMY for layer 10

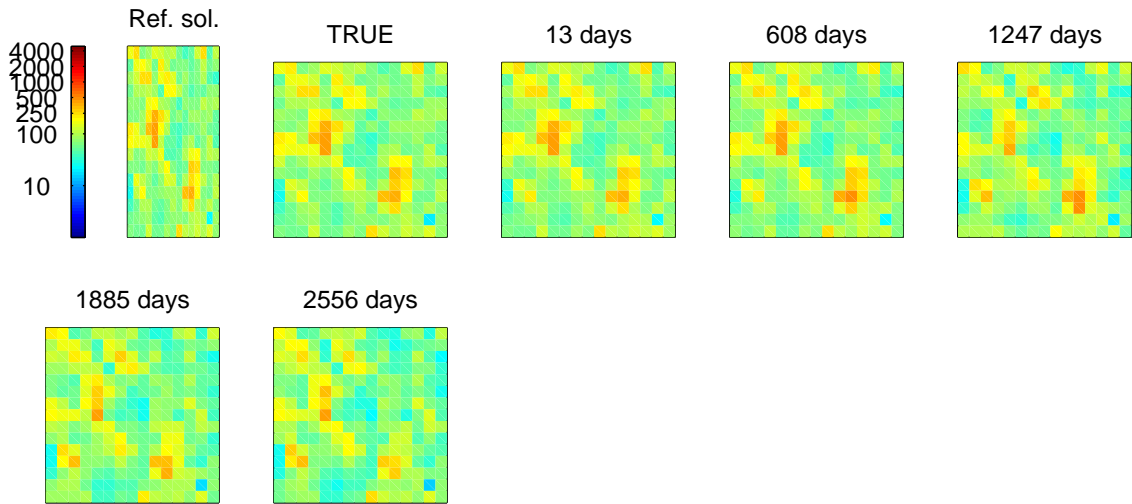


Figure 121: PERMY mean value for layer 10

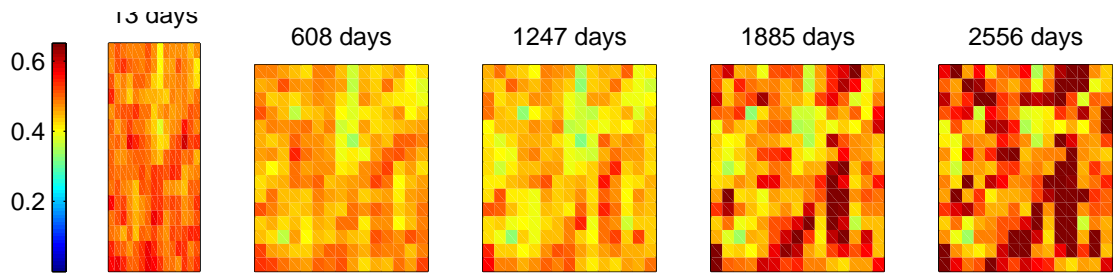


Figure 122: PERMY standard deviation for layer 10

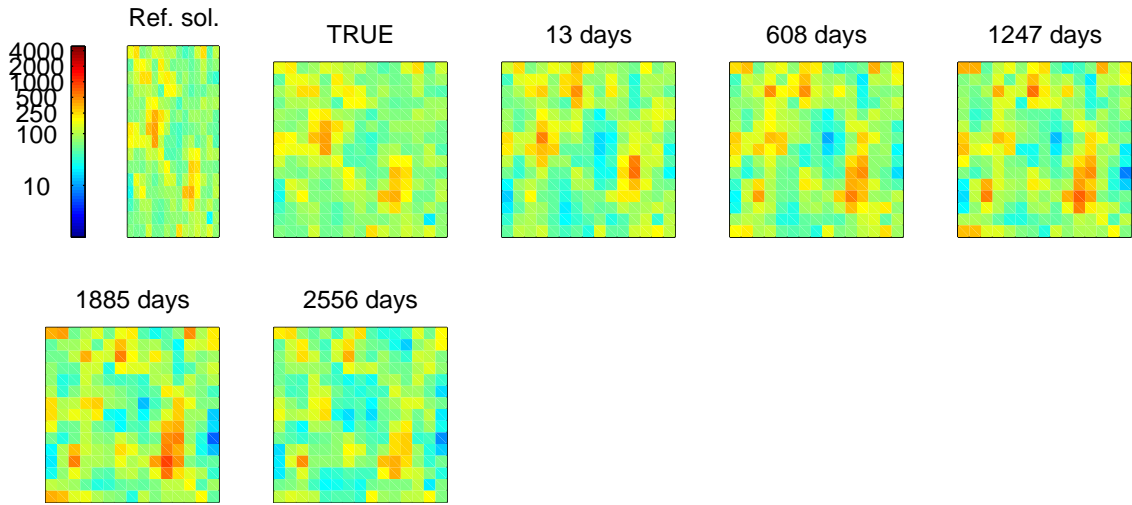


Figure 123: PERMY for ensemble member 1 for layer 10

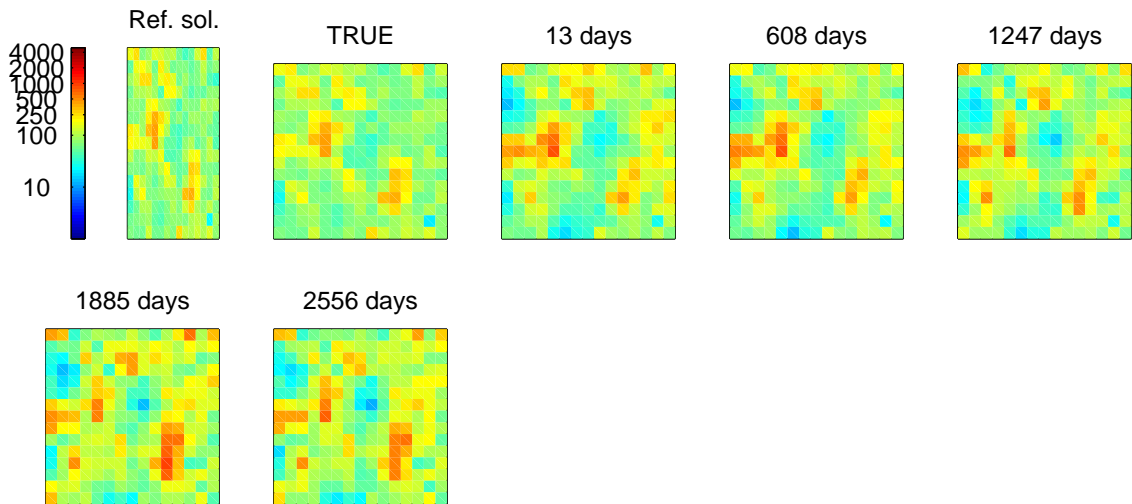


Figure 124: PERMY for ensemble member 2 for layer 10

32 PERMZ for layer 1

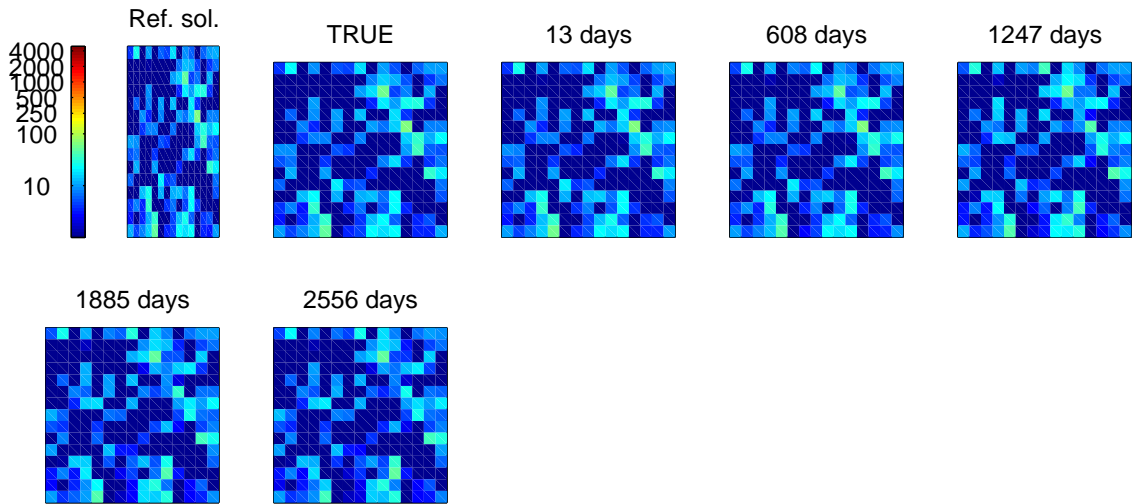


Figure 125: PERMZ mean value for layer 1

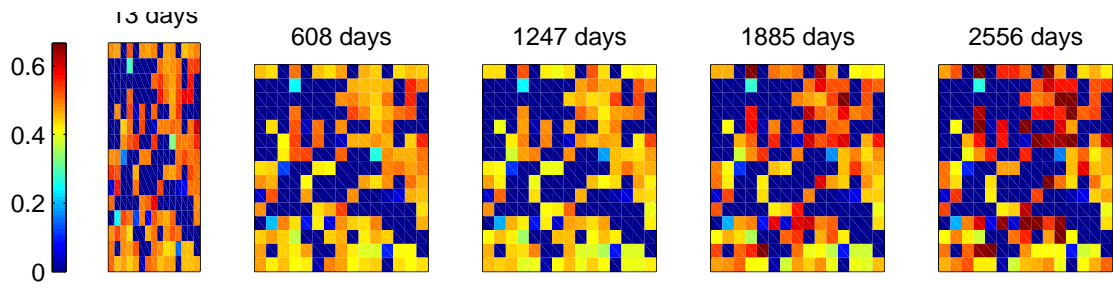


Figure 126: PERMZ standard deviation for layer 1

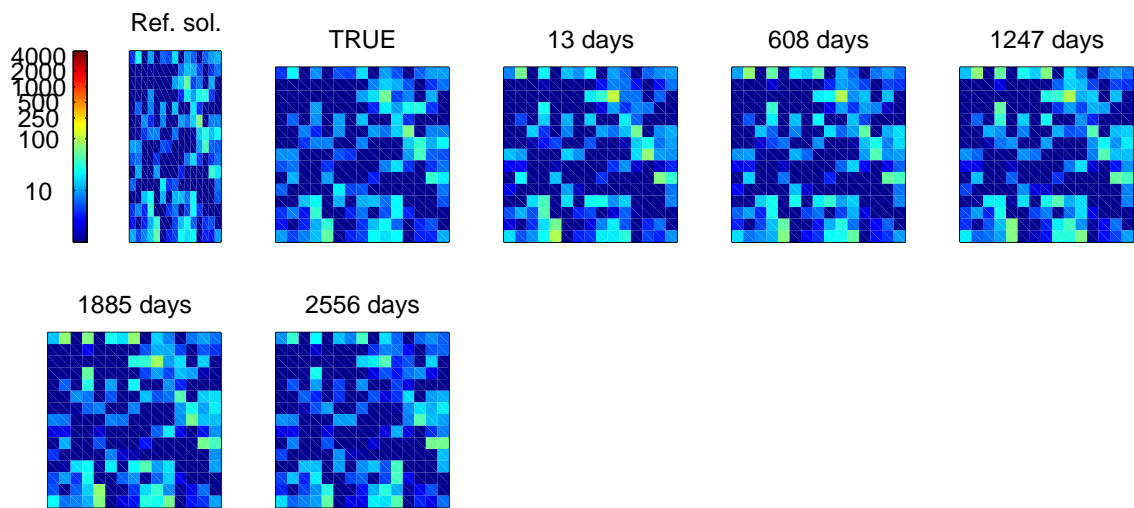


Figure 127: PERMZ for ensemble member 1 for layer 1

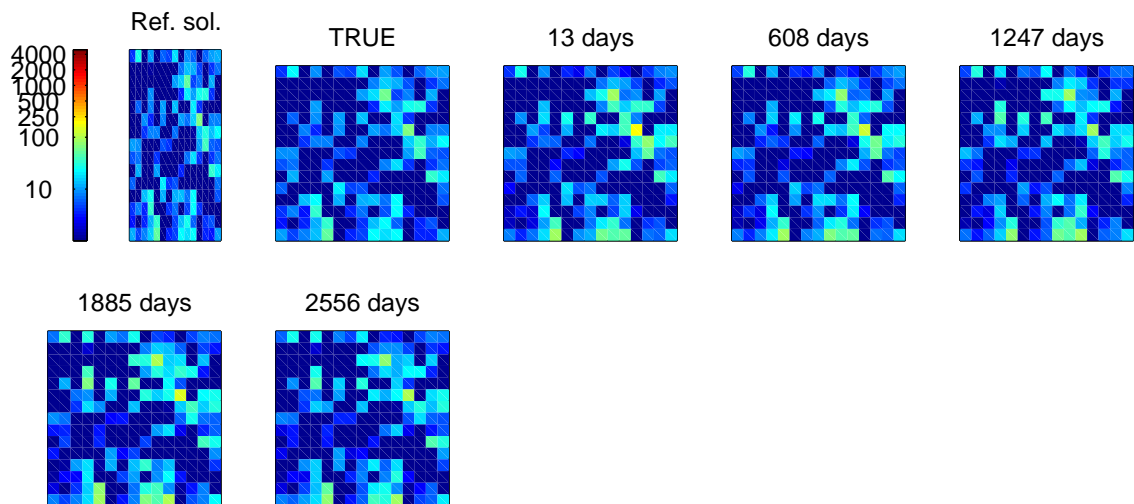


Figure 128: PERMZ for ensemble member 2 for layer 1

33 PERMZ for layer 2

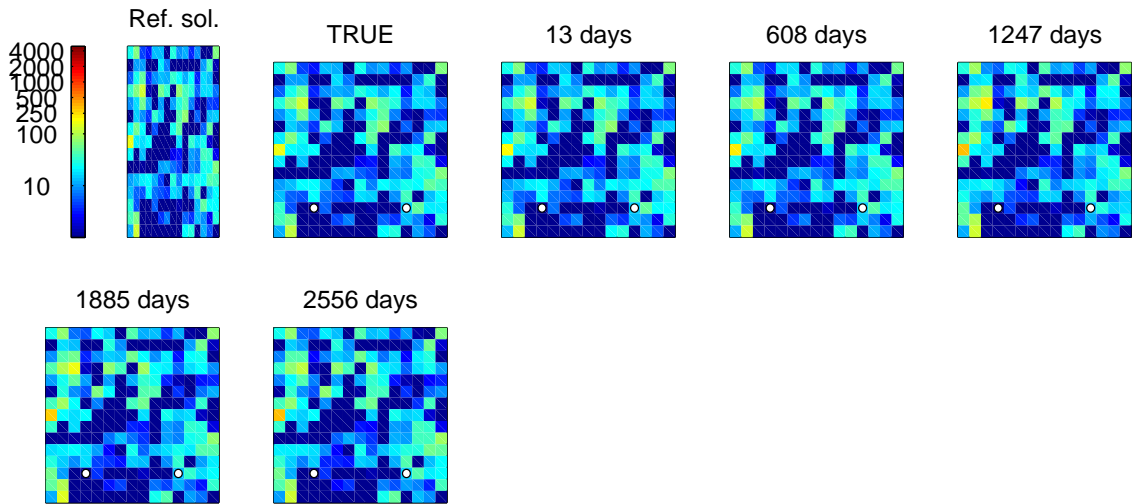


Figure 129: PERMZ mean value for layer 2

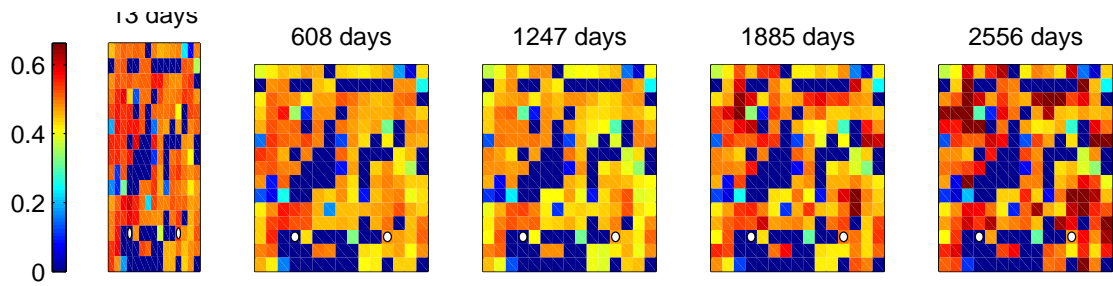


Figure 130: PERMZ standard deviation for layer 2

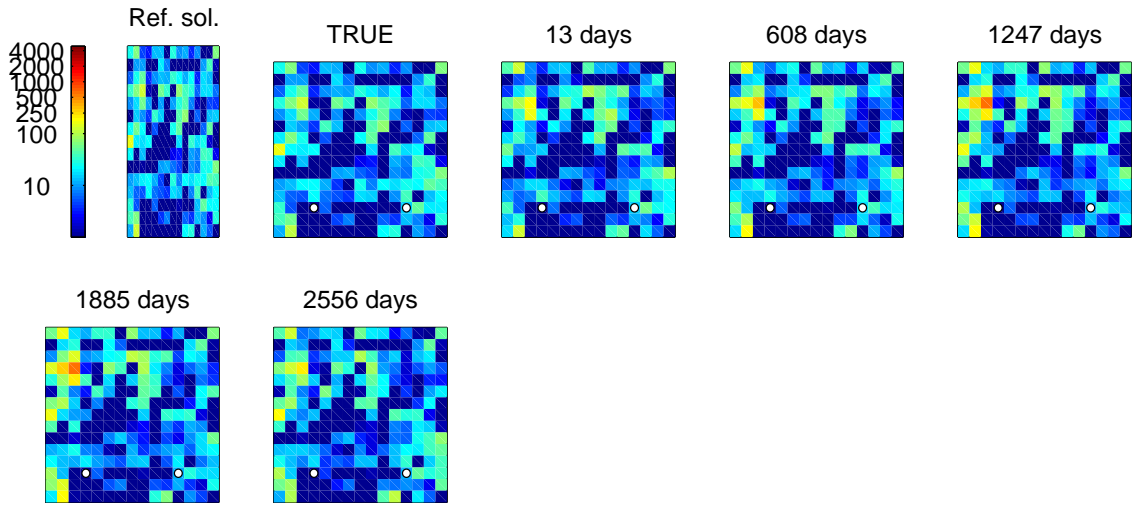


Figure 131: PERMZ for ensemble member 1 for layer 2

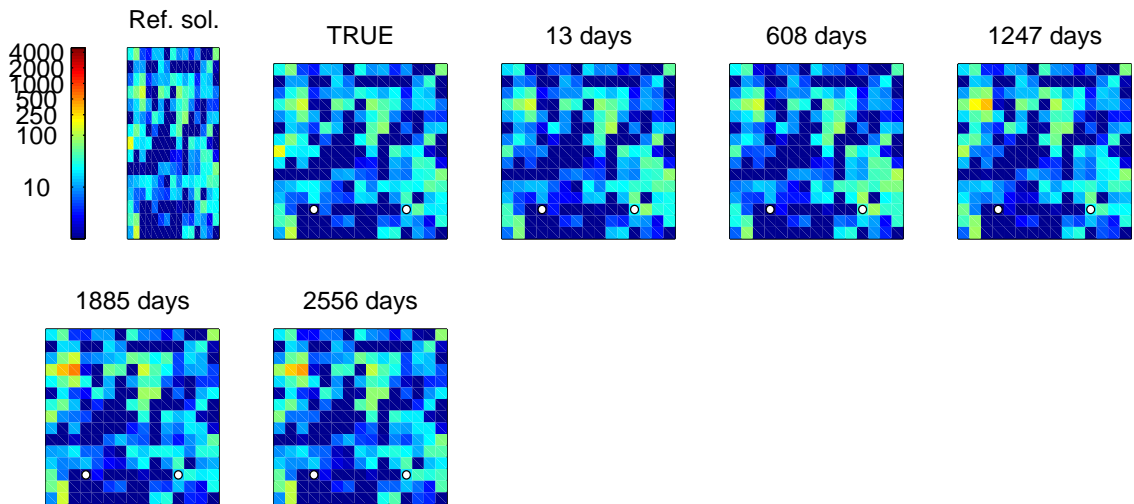


Figure 132: PERMZ for ensemble member 2 for layer 2

34 PERMZ for layer 3

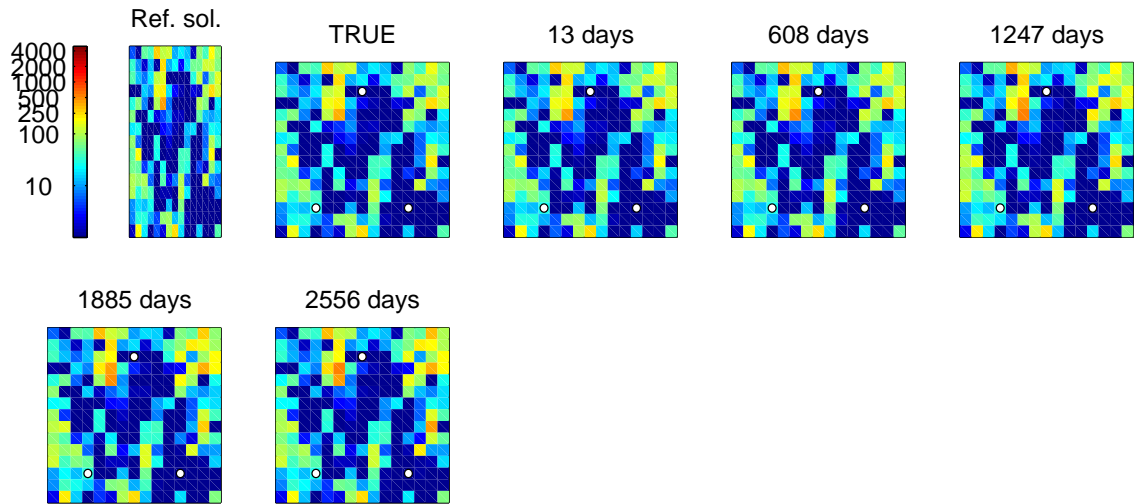


Figure 133: PERMZ mean value for layer 3

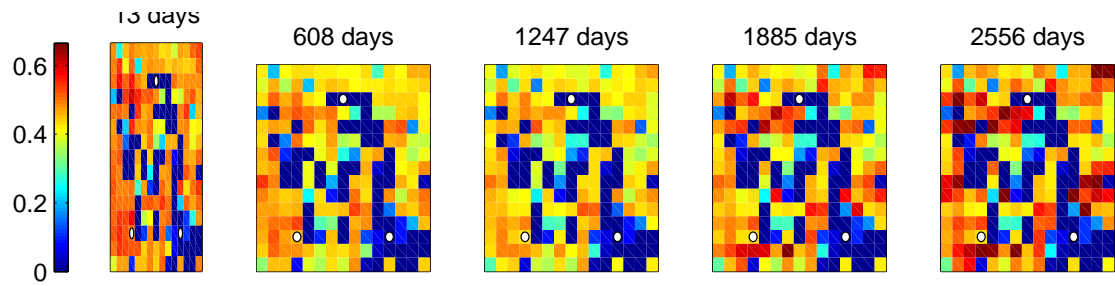


Figure 134: PERMZ standard deviation for layer 3

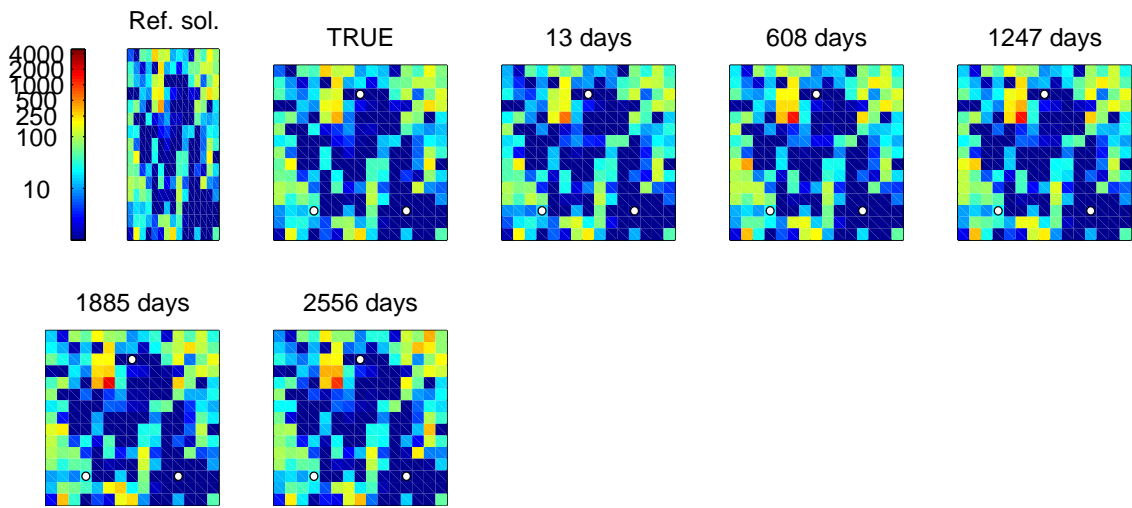


Figure 135: PERMZ for ensemble member 1 for layer 3

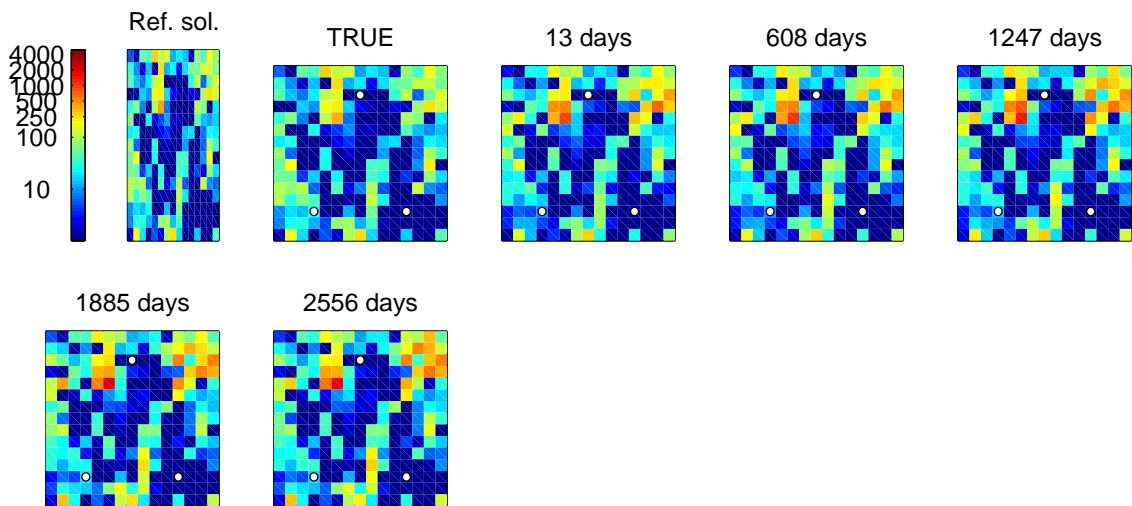


Figure 136: PERMZ for ensemble member 2 for layer 3

35 PERMZ for layer 4

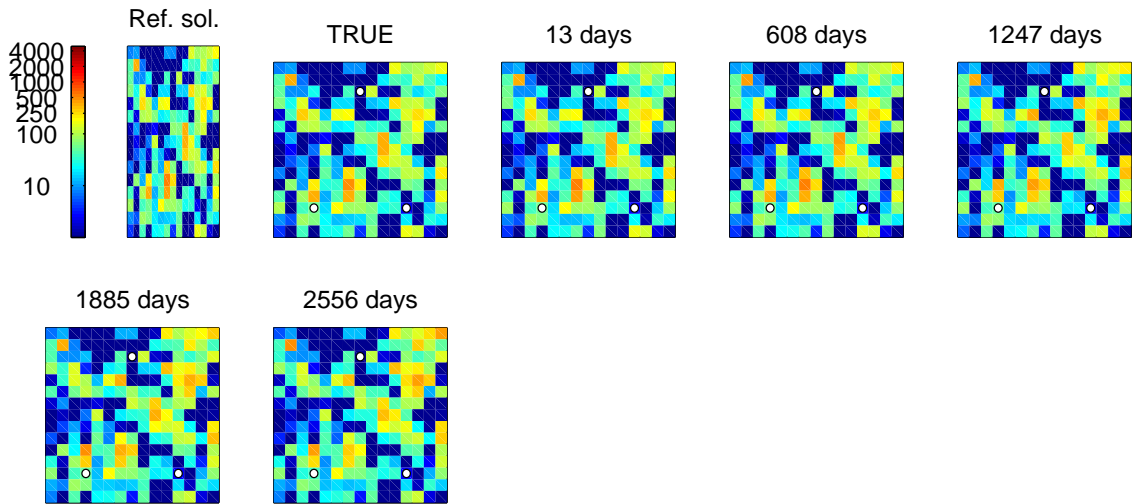


Figure 137: PERMZ mean value for layer 4

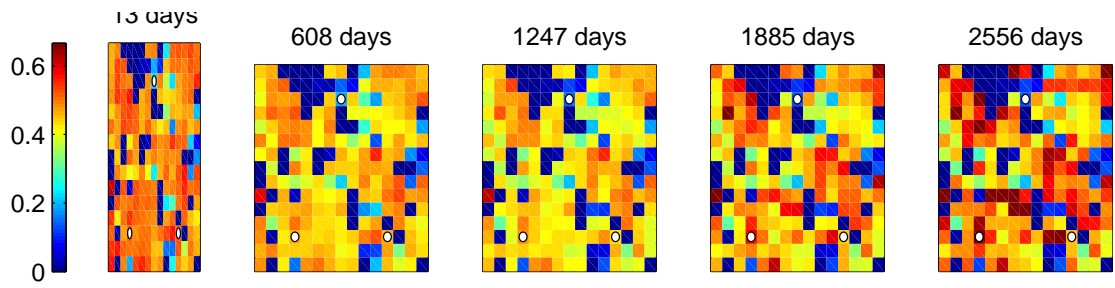


Figure 138: PERMZ standard deviation for layer 4

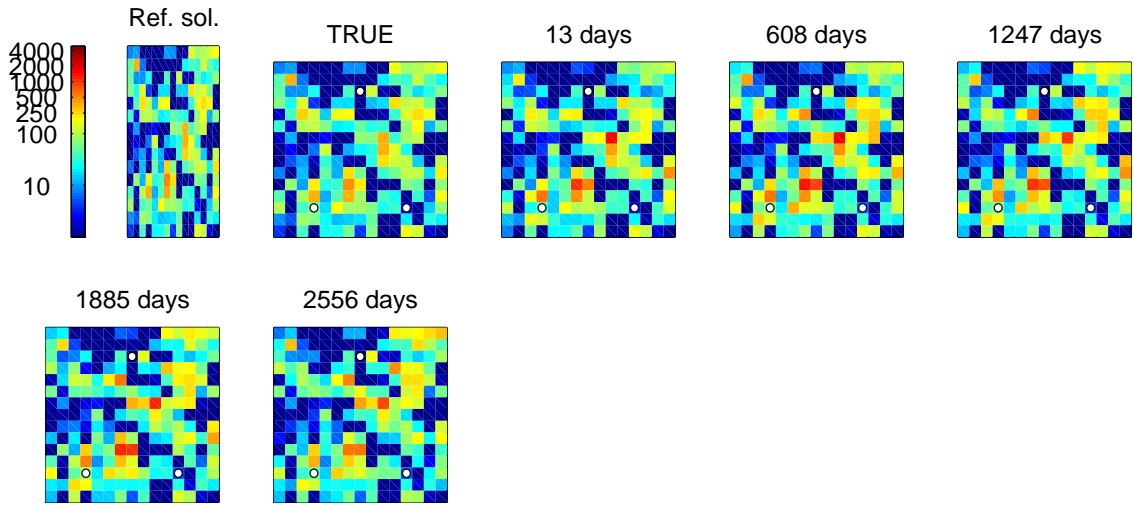


Figure 139: PERMZ for ensemble member 1 for layer 4

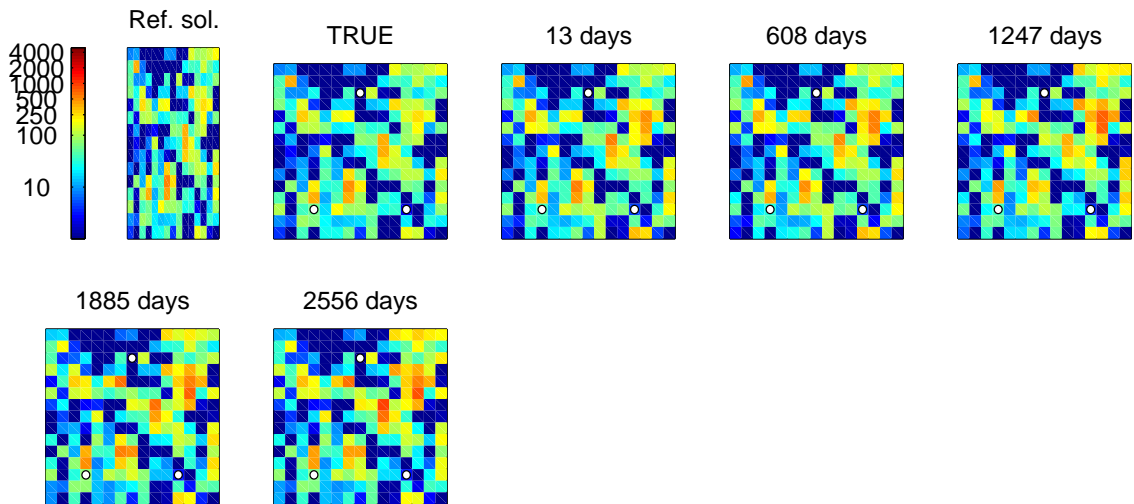


Figure 140: PERMZ for ensemble member 2 for layer 4

36 PERMZ for layer 5

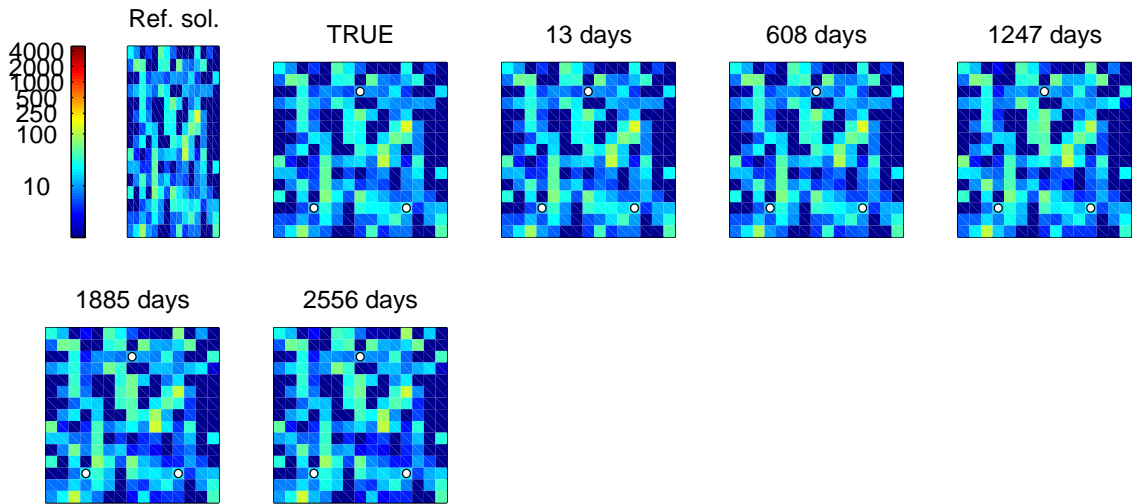


Figure 141: PERMZ mean value for layer 5

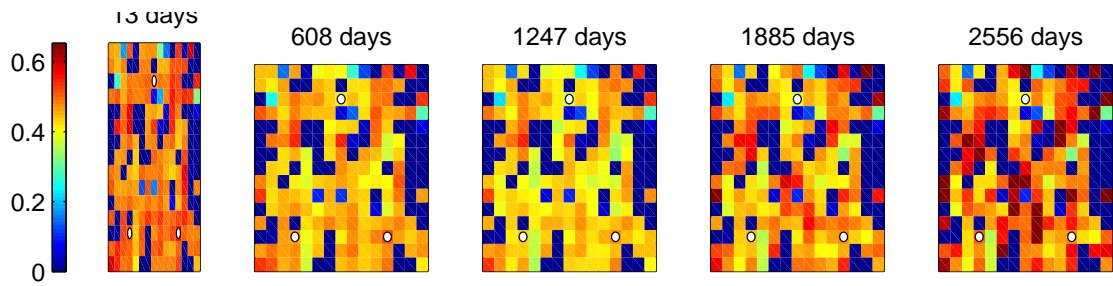


Figure 142: PERMZ standard deviation for layer 5

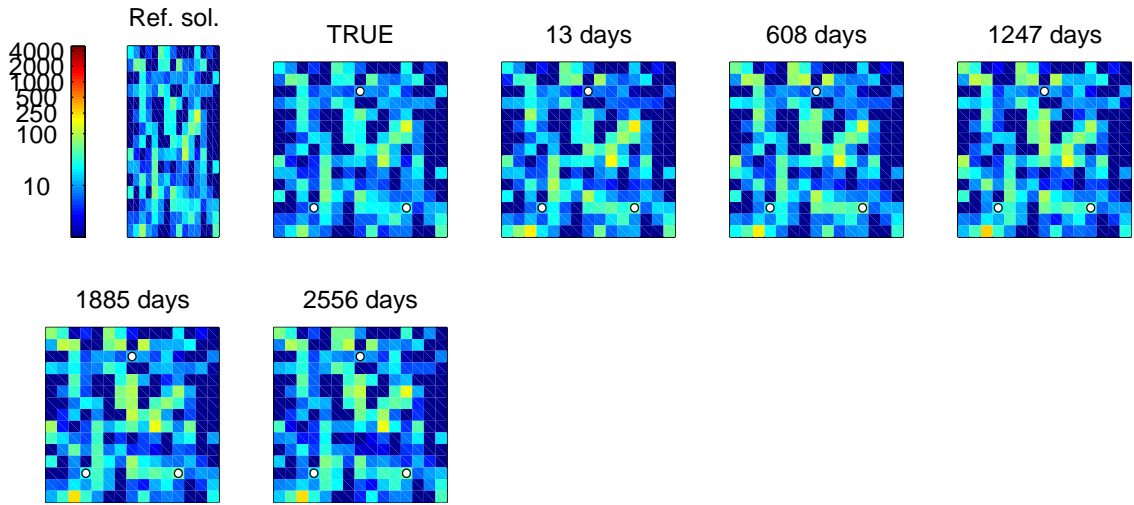


Figure 143: PERMZ for ensemble member 1 for layer 5

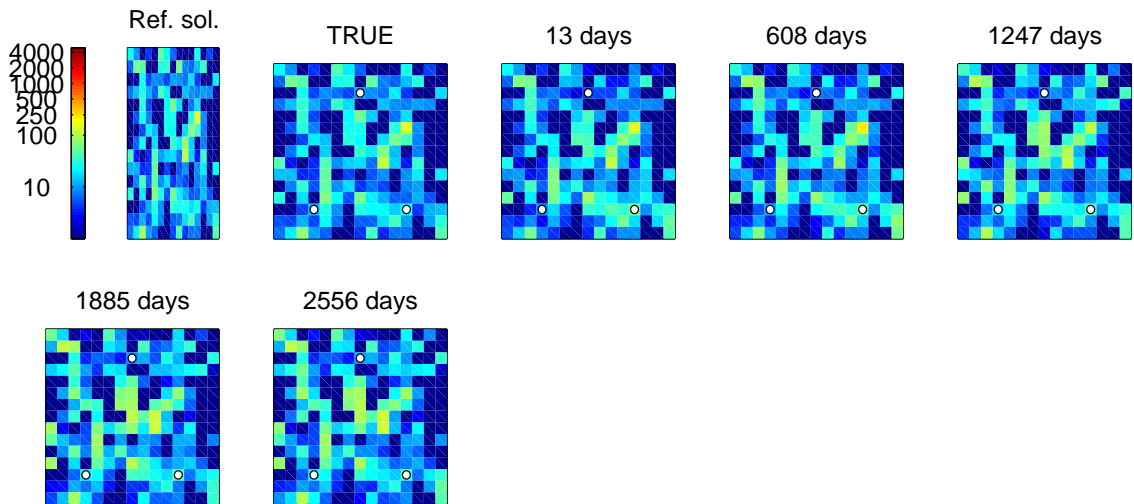


Figure 144: PERMZ for ensemble member 2 for layer 5

37 PERMZ for layer 6

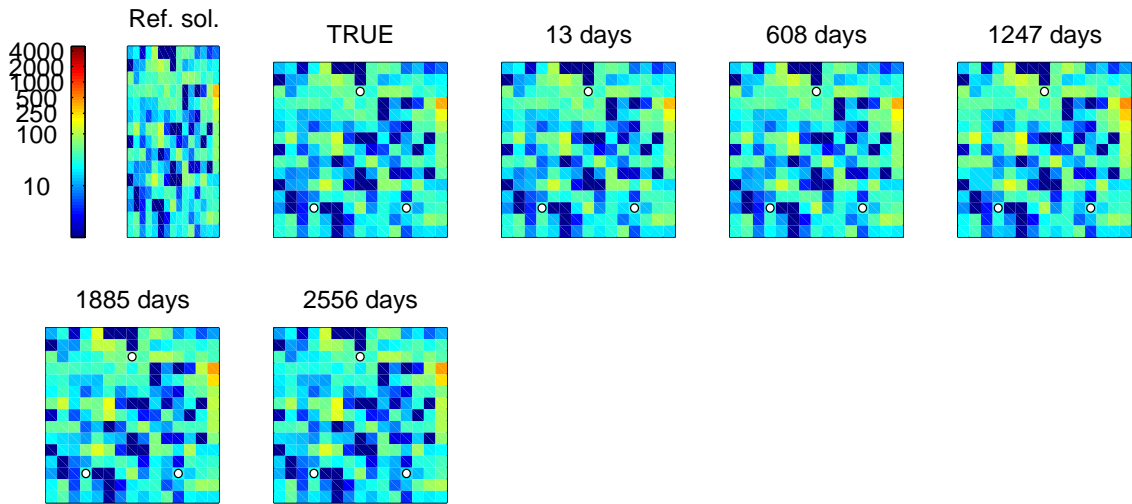


Figure 145: PERMZ mean value for layer 6

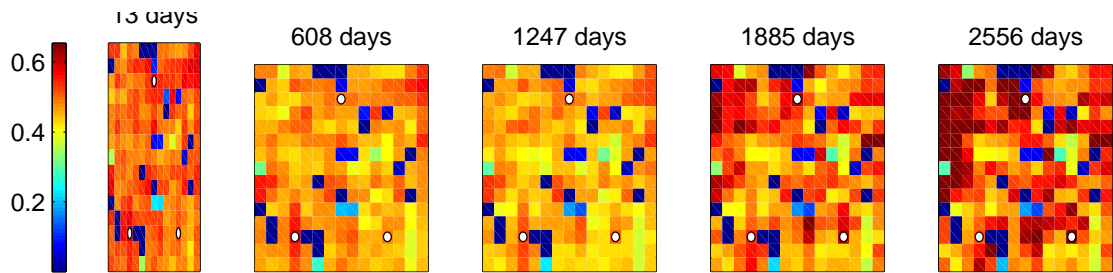


Figure 146: PERMZ standard deviation for layer 6

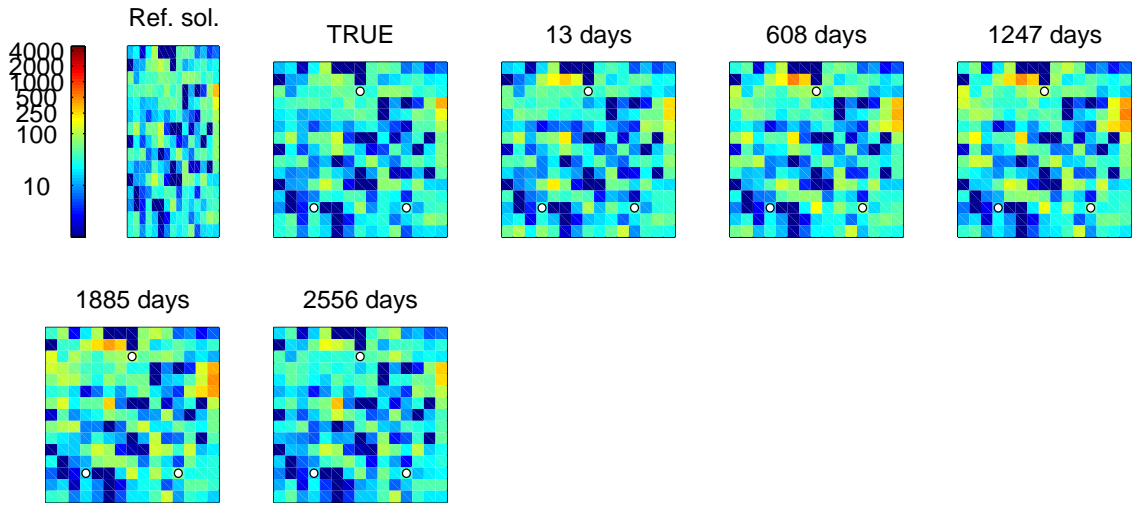


Figure 147: PERMZ for ensemble member 1 for layer 6

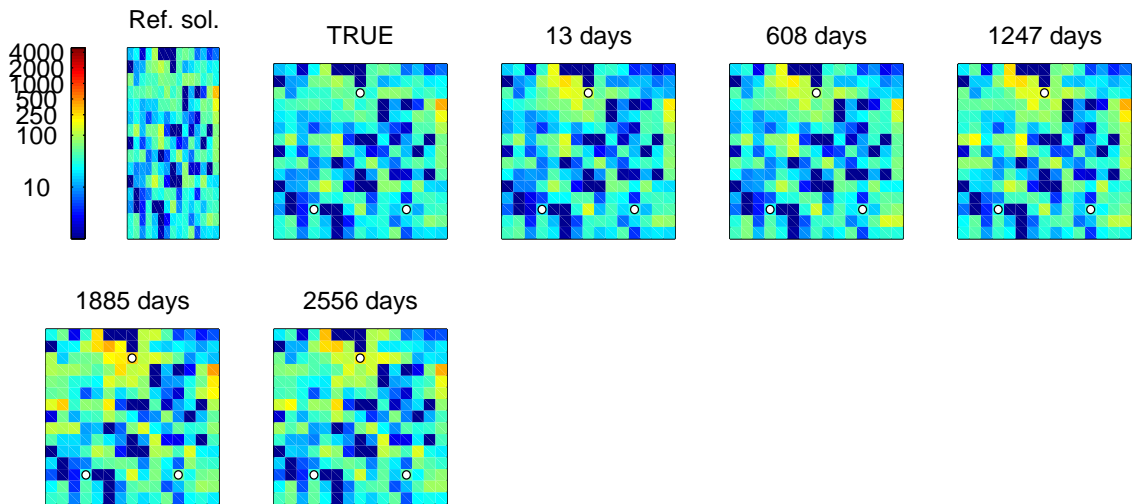


Figure 148: PERMZ for ensemble member 2 for layer 6

38 PERMZ for layer 7

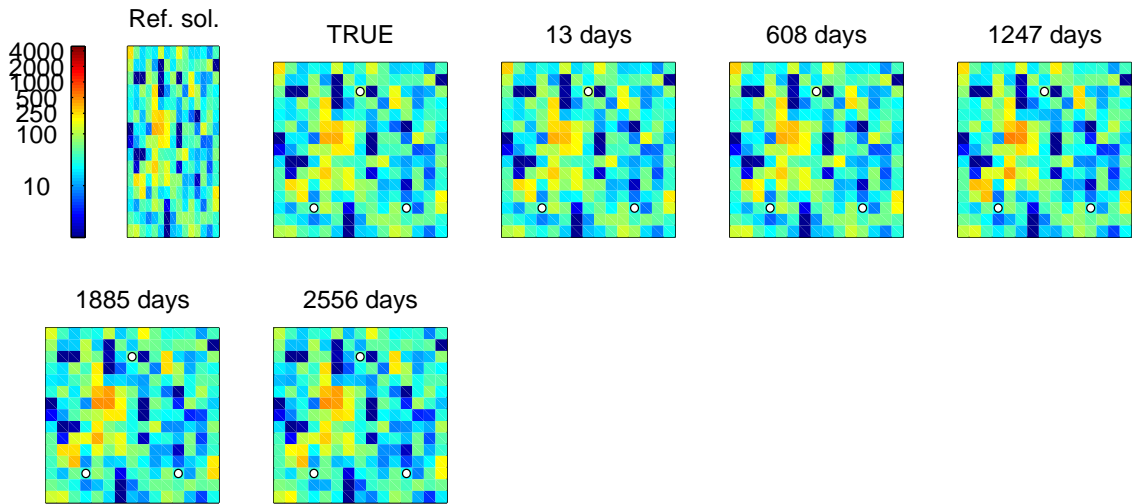


Figure 149: PERMZ mean value for layer 7

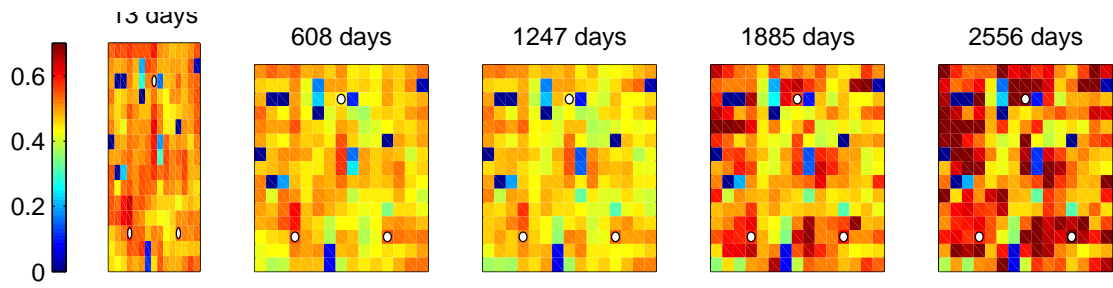


Figure 150: PERMZ standard deviation for layer 7

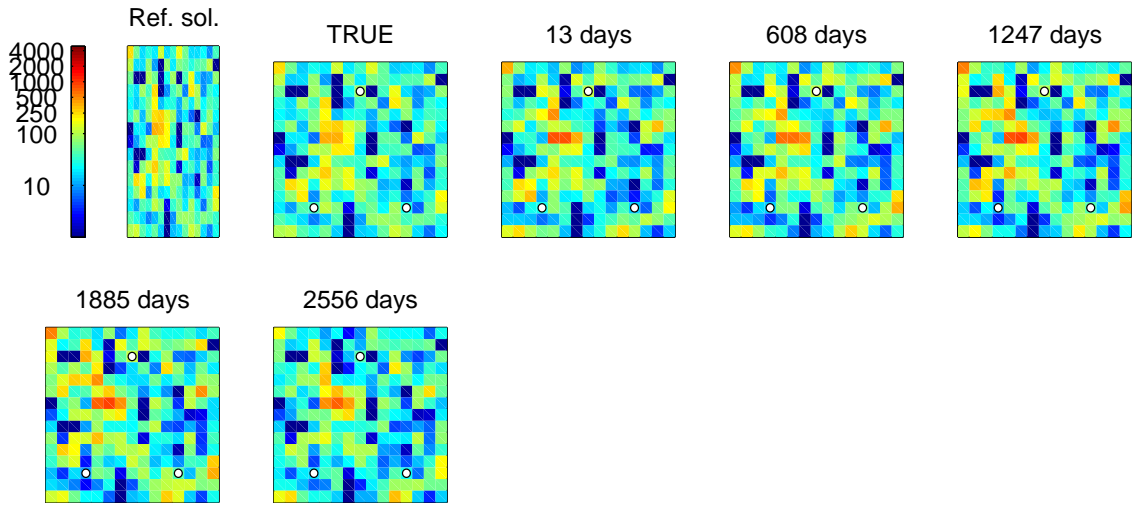


Figure 151: PERMZ for ensemble member 1 for layer 7

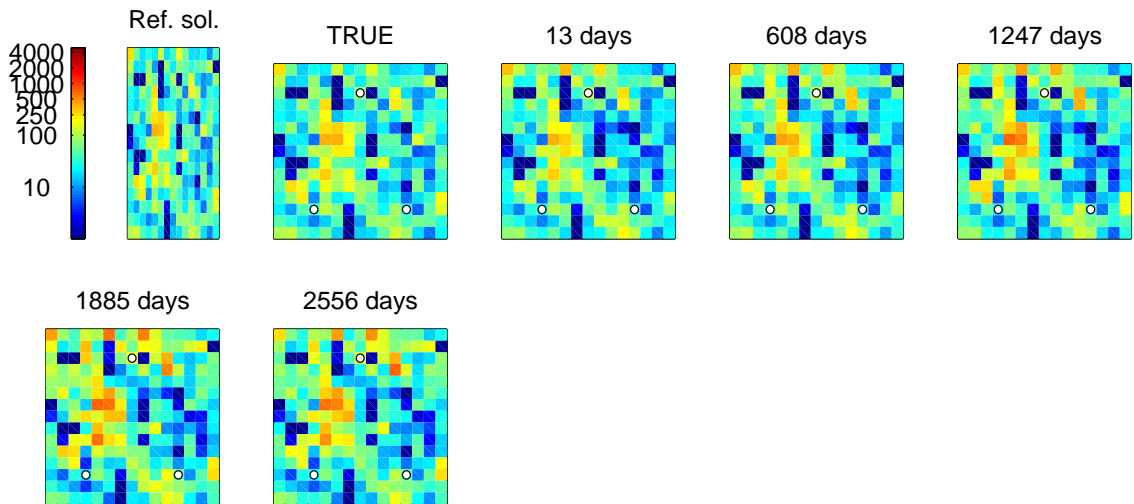


Figure 152: PERMZ for ensemble member 2 for layer 7

39 PERMZ for layer 8

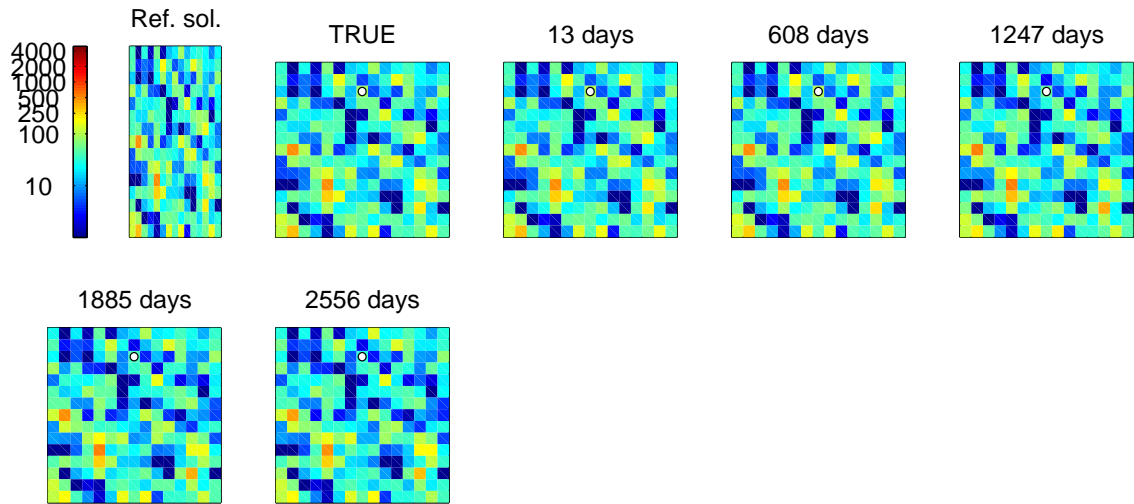


Figure 153: PERMZ mean value for layer 8

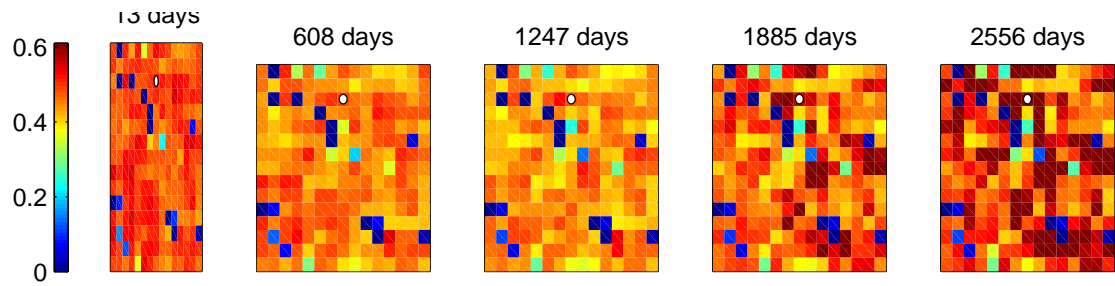


Figure 154: PERMZ standard deviation for layer 8

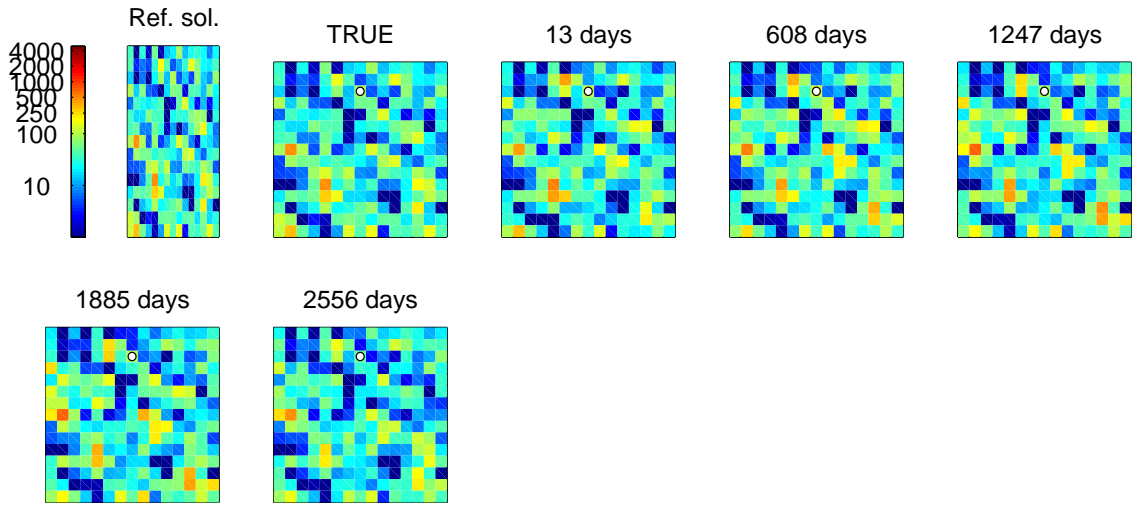


Figure 155: PERMZ for ensemble member 1 for layer 8

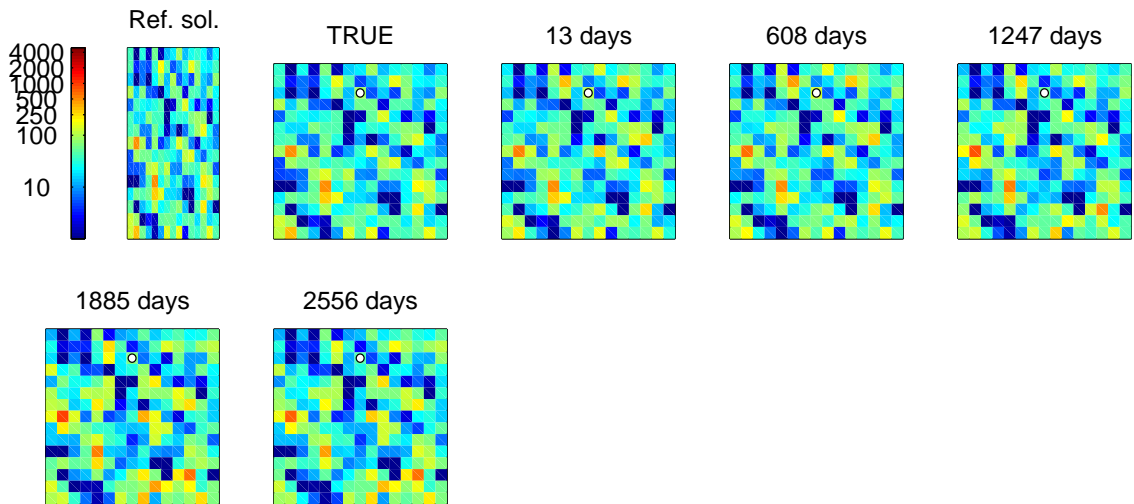


Figure 156: PERMZ for ensemble member 2 for layer 8

40 PERMZ for layer 9

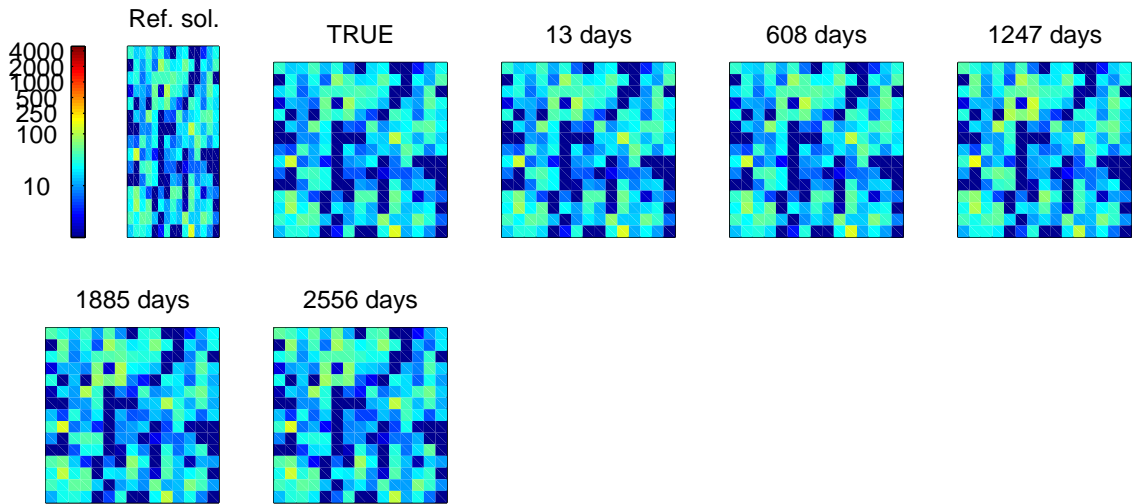


Figure 157: PERMZ mean value for layer 9

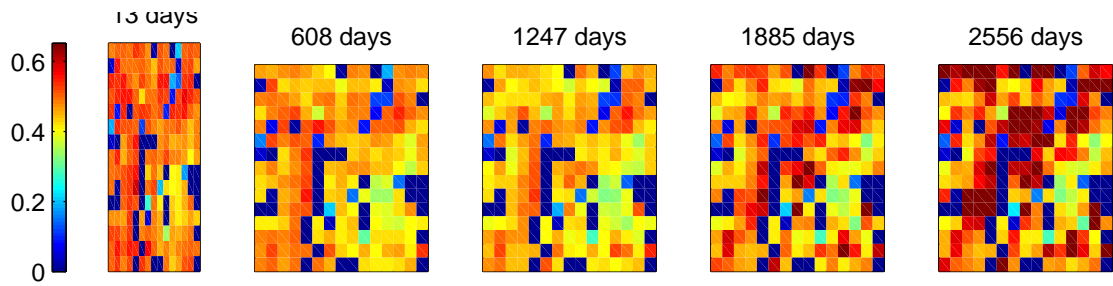


Figure 158: PERMZ standard deviation for layer 9

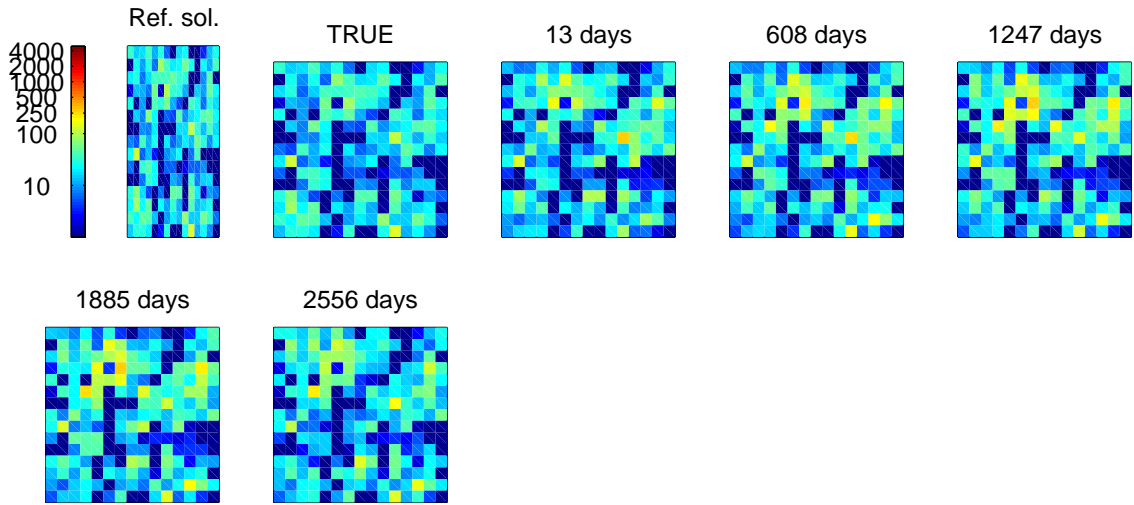


Figure 159: PERMZ for ensemble member 1 for layer 9

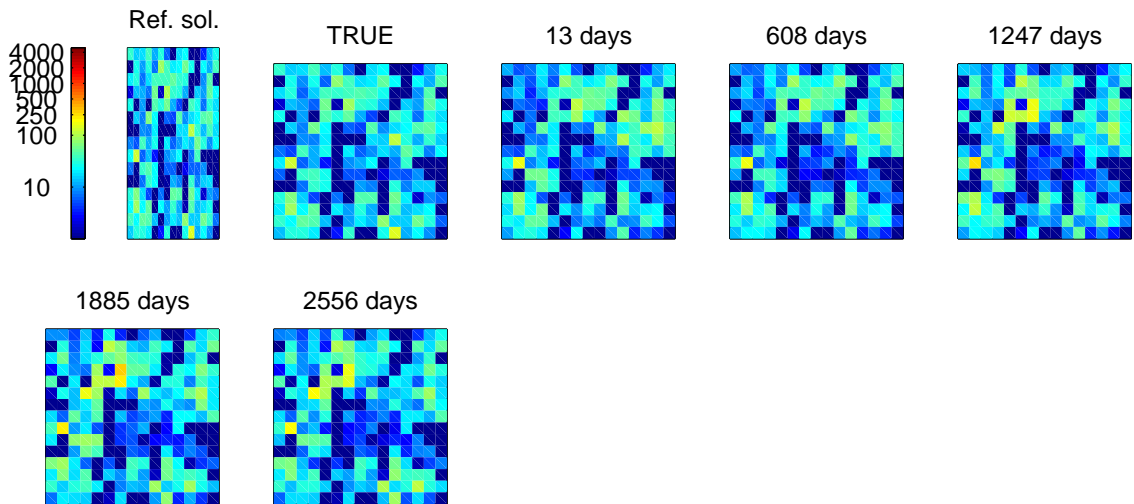


Figure 160: PERMZ for ensemble member 2 for layer 9

41 PERMZ for layer 10

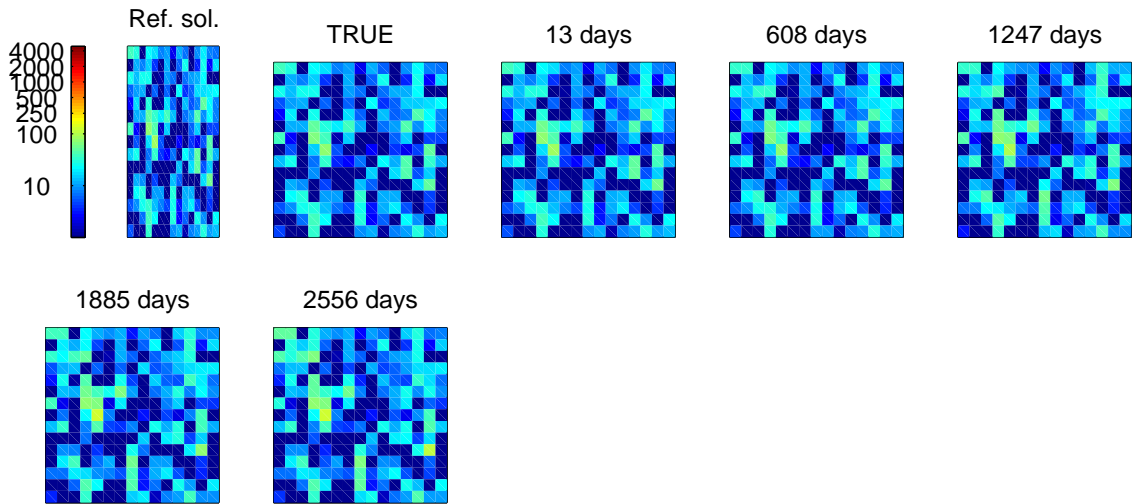


Figure 161: PERMZ mean value for layer 10

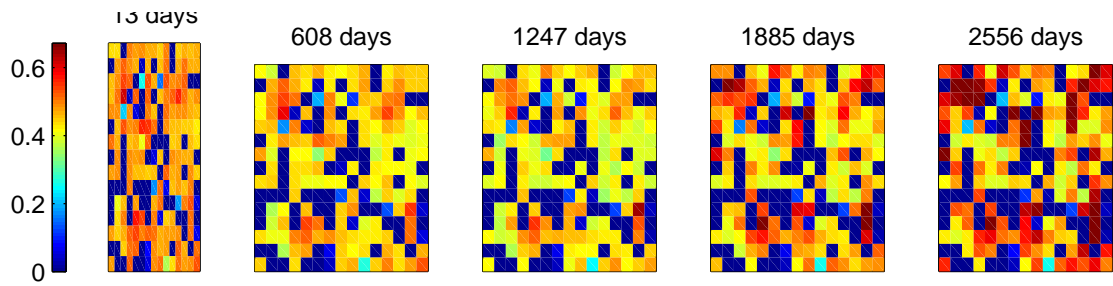


Figure 162: PERMZ standard deviation for layer 10

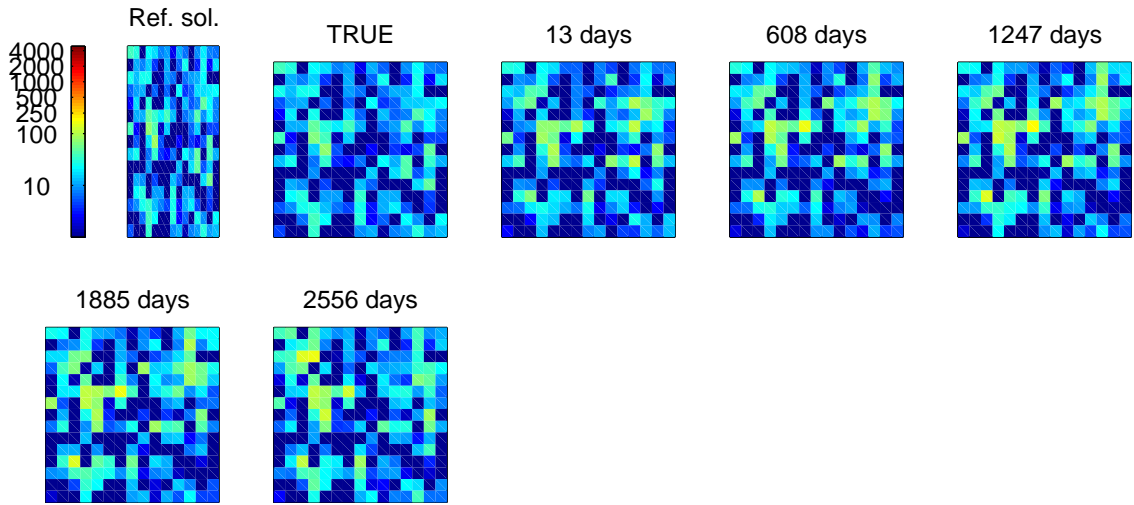


Figure 163: PERMZ for ensemble member 1 for layer 10

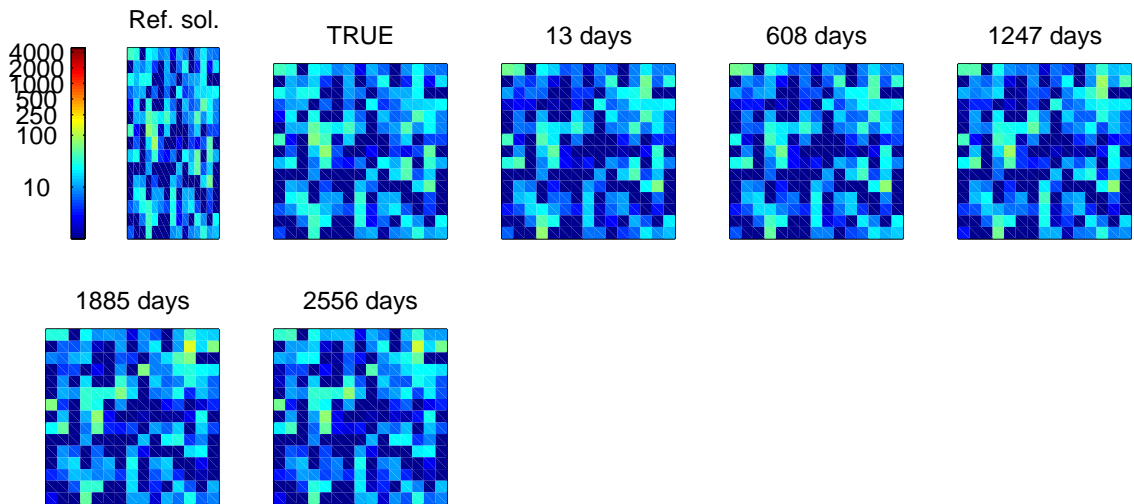


Figure 164: PERMZ for ensemble member 2 for layer 10