

$$1.0*((a3/(a6 + 2*((x0 - 1568.5) * 0.000145275)*(a1 + ((x0 - 1568.5) * 0.000145275))))*(a2 + a5*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a4 + ((x0 - 1568.5) * 0.000145275))))$$

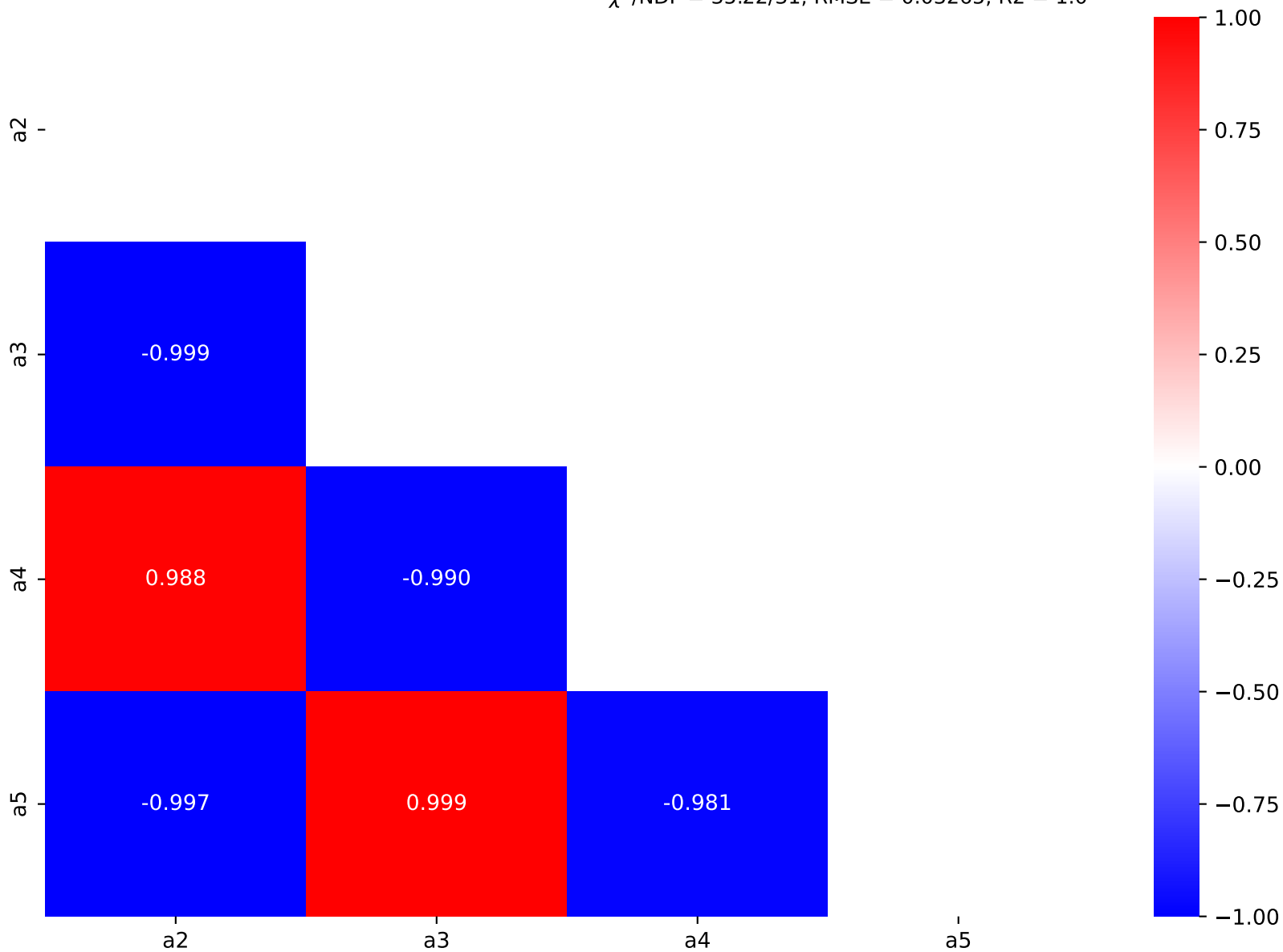
$$a1 = -0.544, a2 = -0.75775^{+0.0257(3.39\%)}_{-0.0257(3.39\%)},$$

$$a3 = 0.00140715^{+0.000314(22.3\%)}_{-0.000314(22.3\%)}, a4 = 0.410494^{+0.00922(2.25\%)}_{-0.00922(2.25\%)},$$

$$a5 = 1.63508^{+0.0847(5.18\%)}_{-0.0847(5.18\%)}, a6 = 1.04$$

Candidate #18

$$\chi^2/\text{NDF} = 35.22/31, \text{RMSE} = 0.03265, R^2 = 1.0$$



$$1.0*((a3/(a6 + 2*((x0 - 1568.5) * 0.000145275)*(a2 + ((x0 - 1568.5) * 0.000145275))))** (a1 + a5*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a4 + ((x0 - 1568.5) * 0.000145275))))$$

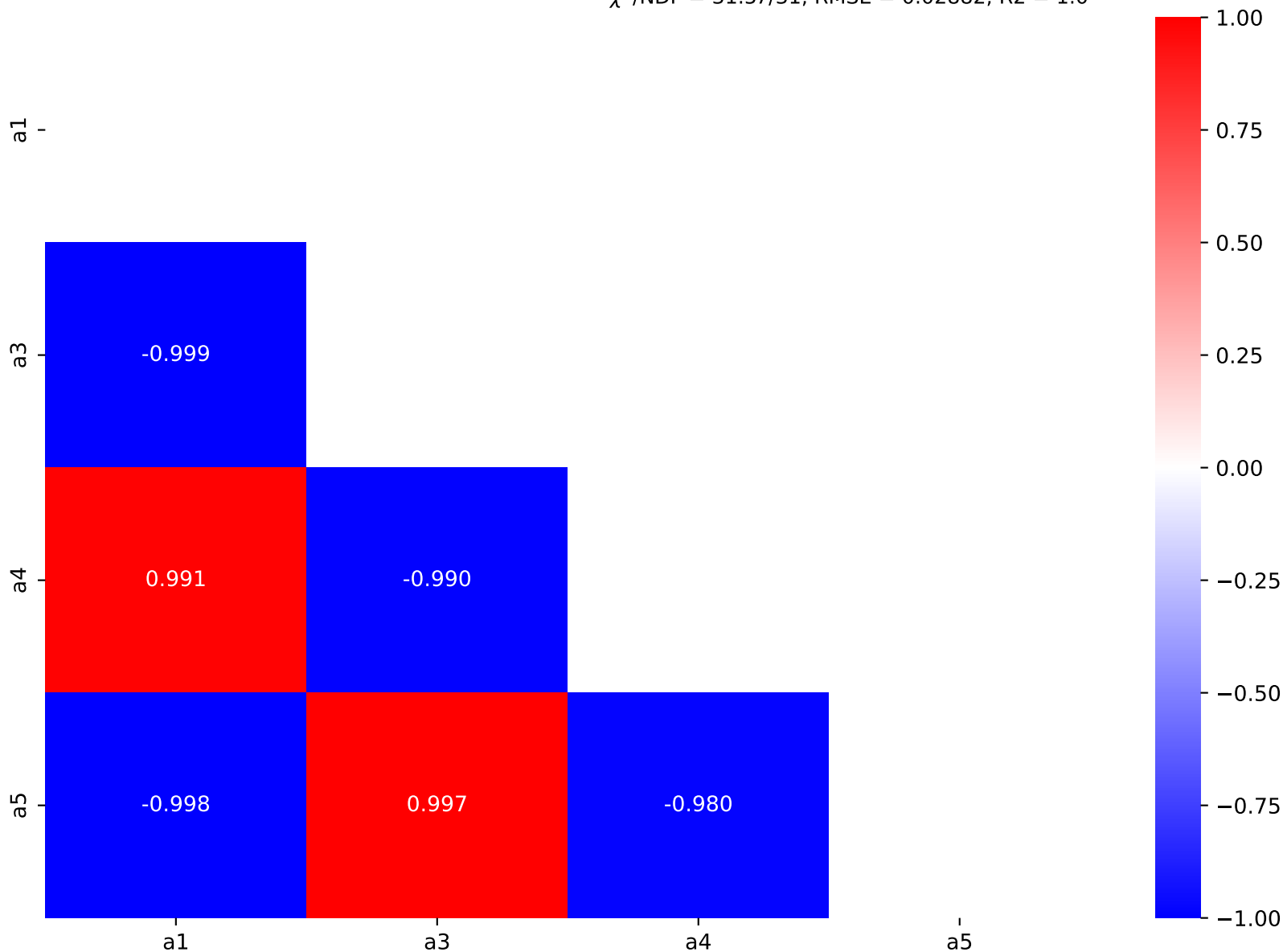
$$a1 = -0.70117^{+0.02(2.85\%)}_{-0.02(2.85\%)}, a2 = -0.37,$$

$$a3 = 0.000825543^{+0.000168(20.4\%)}_{-0.000168(20.4\%)}, a4 = 0.41692^{+0.0084(2.01\%)}_{-0.0084(2.01\%)},$$

$$a5 = 1.4132^{+0.0635(4.49\%)}_{-0.0635(4.49\%)}, a6 = 1.04$$

Candidate #17

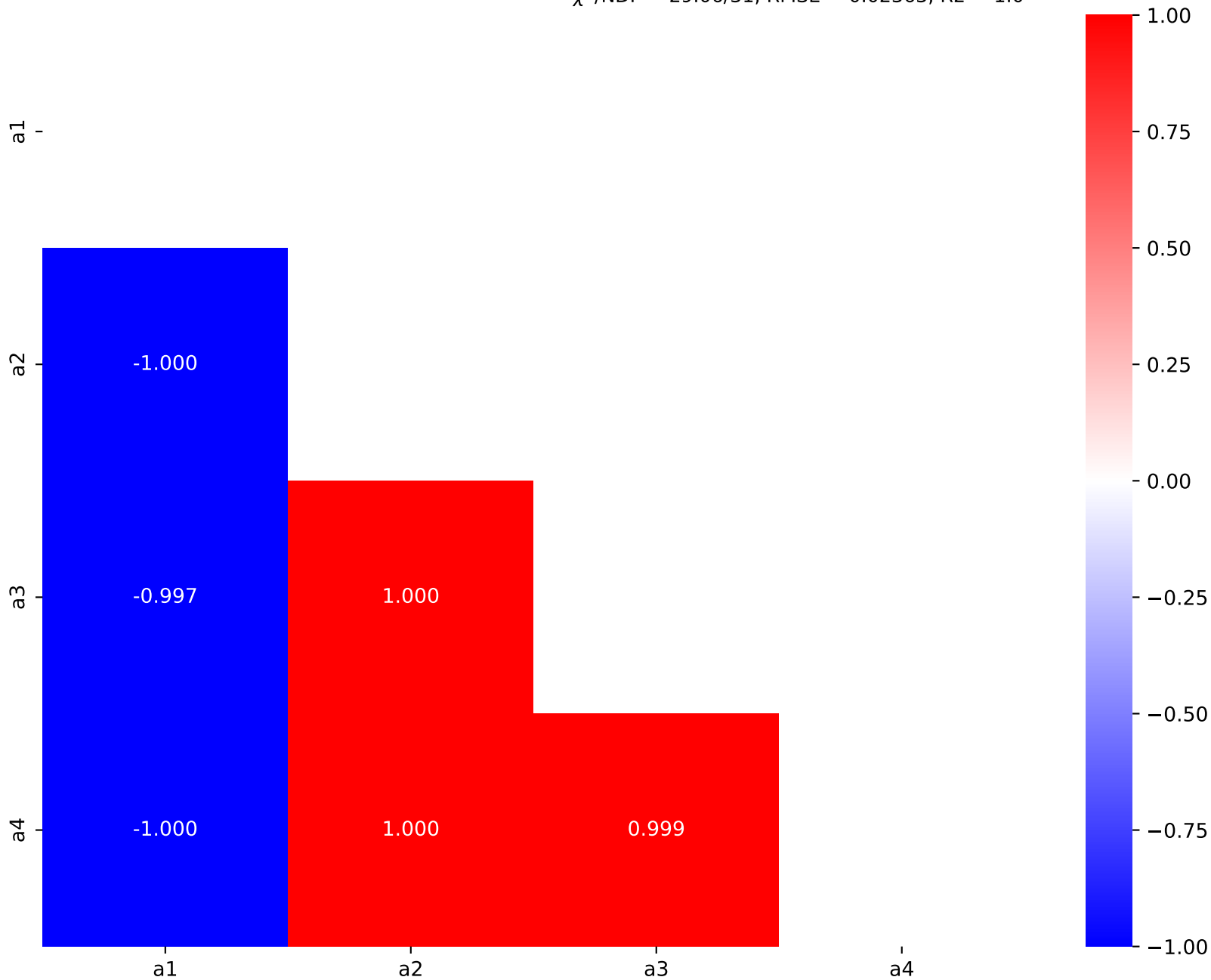
$$\chi^2/\text{NDF} = 31.57/31, \text{RMSE} = 0.02882, R^2 = 1.0$$



$$1.0*((a2 + a3*\tanh(2*((x0 - 1568.5) * 0.000145275)))*(a1 + a4*((x0 - 1568.5) * 0.000145275)))$$

$$a1 = -1.18063^{+0.02941(2.49\%)}_{-0.03067(2.6\%)}, \quad a2 = 0.014407^{+0.001637(11.4\%)}_{-0.001482(10.3\%)},$$

$$a3 = 0.0415555^{+0.003236(7.79\%)}_{-0.003057(7.36\%)}, \quad a4 = 4.95336^{+0.1301(2.63\%)}_{-0.1246(2.52\%)}$$

Candidate #16 $\chi^2/\text{NDF} = 29.06/31$, RMSE = 0.02363, R2 = 1.0

$$1.0*((a3/(a6 + ((x0 - 1568.5) * 0.000145275)*(a1 + ((x0 - 1568.5) * 0.000145275))))** (a2 + a5*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a4 + ((x0 - 1568.5) * 0.000145275))))$$

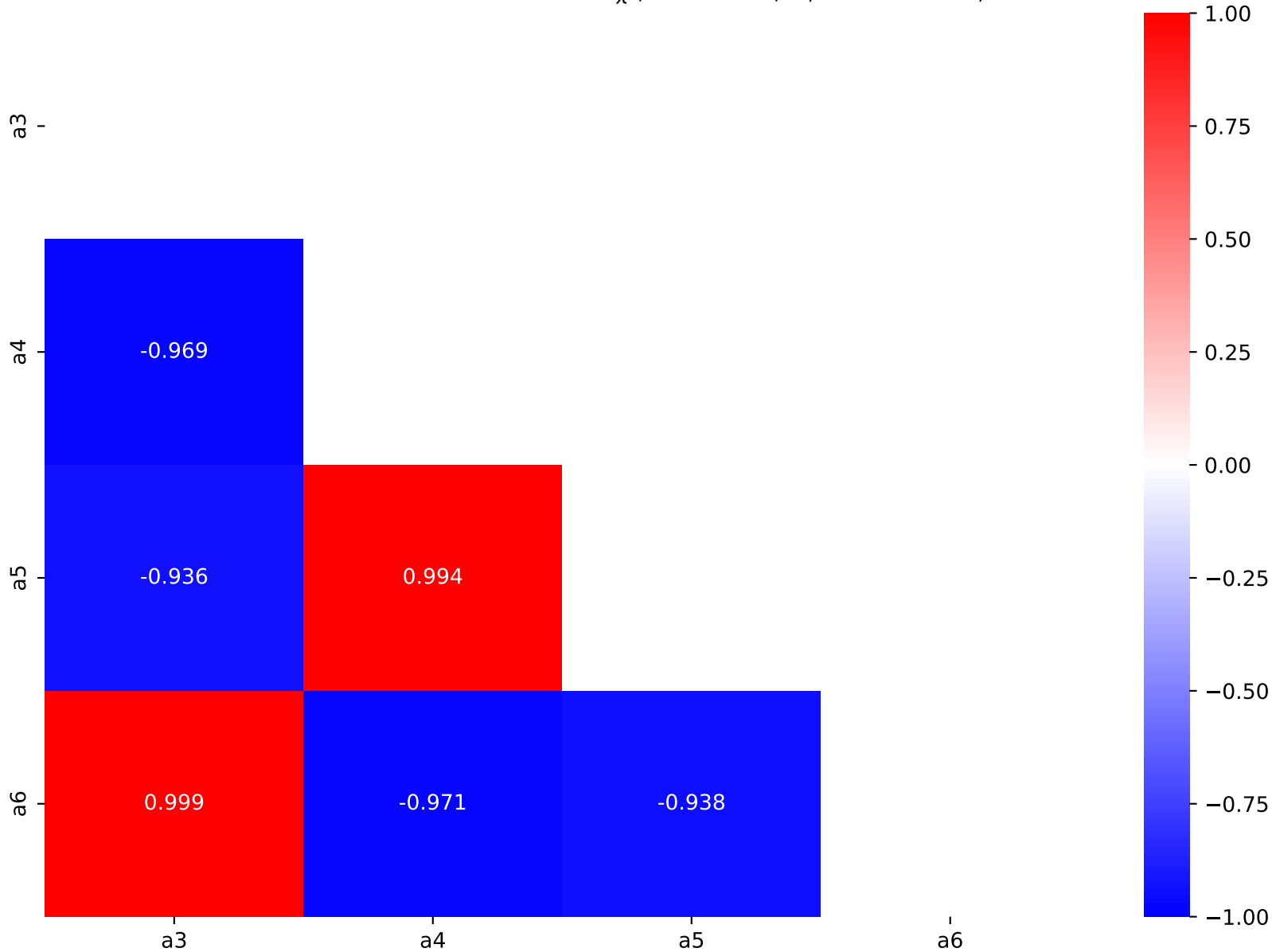
$$a1 = -0.609, a2 = -0.502,$$

$$a3 = 1.28458e-05^{+2.63e-06(20.5\%)}_{-2.63e-06(20.5\%)}, a4 = 0.573905^{+0.0155(2.7\%)}_{-0.0155(2.7\%)},$$

$$a5 = 0.879901^{+0.0221(2.51\%)}_{-0.0221(2.51\%)}, a6 = 0.272846^{+0.0559(20.5\%)}_{-0.0559(20.5\%)}$$

Candidate #15

$$\chi^2/\text{NDF} = 160.0/31, \text{RMSE} = 0.1354, R^2 = 1.0$$

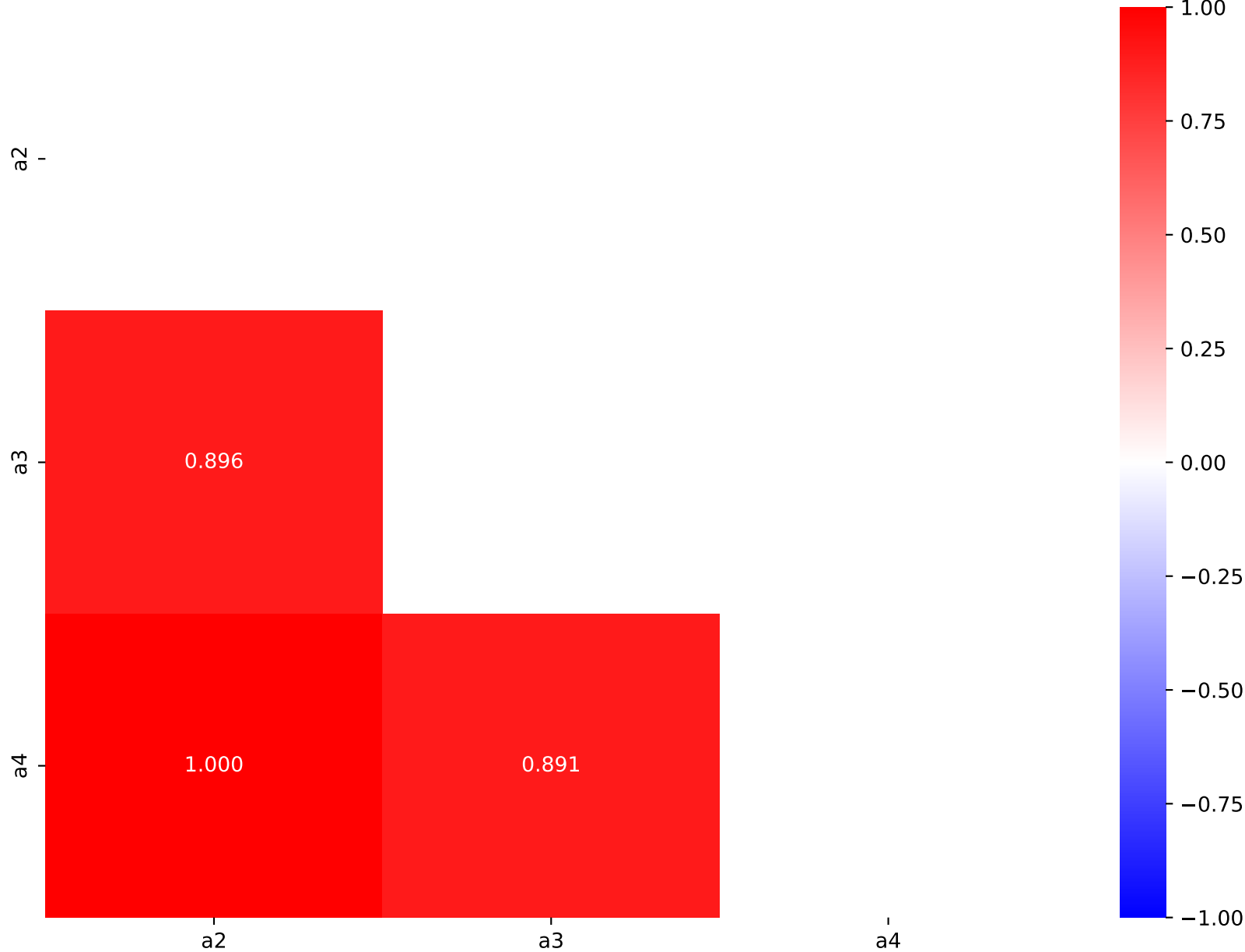


$$1.0*((a2/(a4 + ((x0 - 1568.5) * 0.000145275) + \tanh(((x0 - 1568.5) * 0.000145275))))** (a1 + ((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(((x0 - 1568.5) * 0.000145275) + \tanh(a3 + ((x0 - 1568.5) * 0.000145275))))))$$

$a1 = -0.502$, $a2 = 5.89188e-05$ ^{+9.747e-06(16.5%)}_{-7.657e-06(13.0%)},
 $a3 = 0.577084$ ^{+0.003771(0.653%)}_{-0.003823(0.662%)}, $a4 = 1.27257$ ^{+0.2116(16.6%)}_{-0.1662(13.1%)}

Candidate #14

$\chi^2/NDF = 184.5/32$, $RMSE = 0.1398$, $R2 = 1.0$

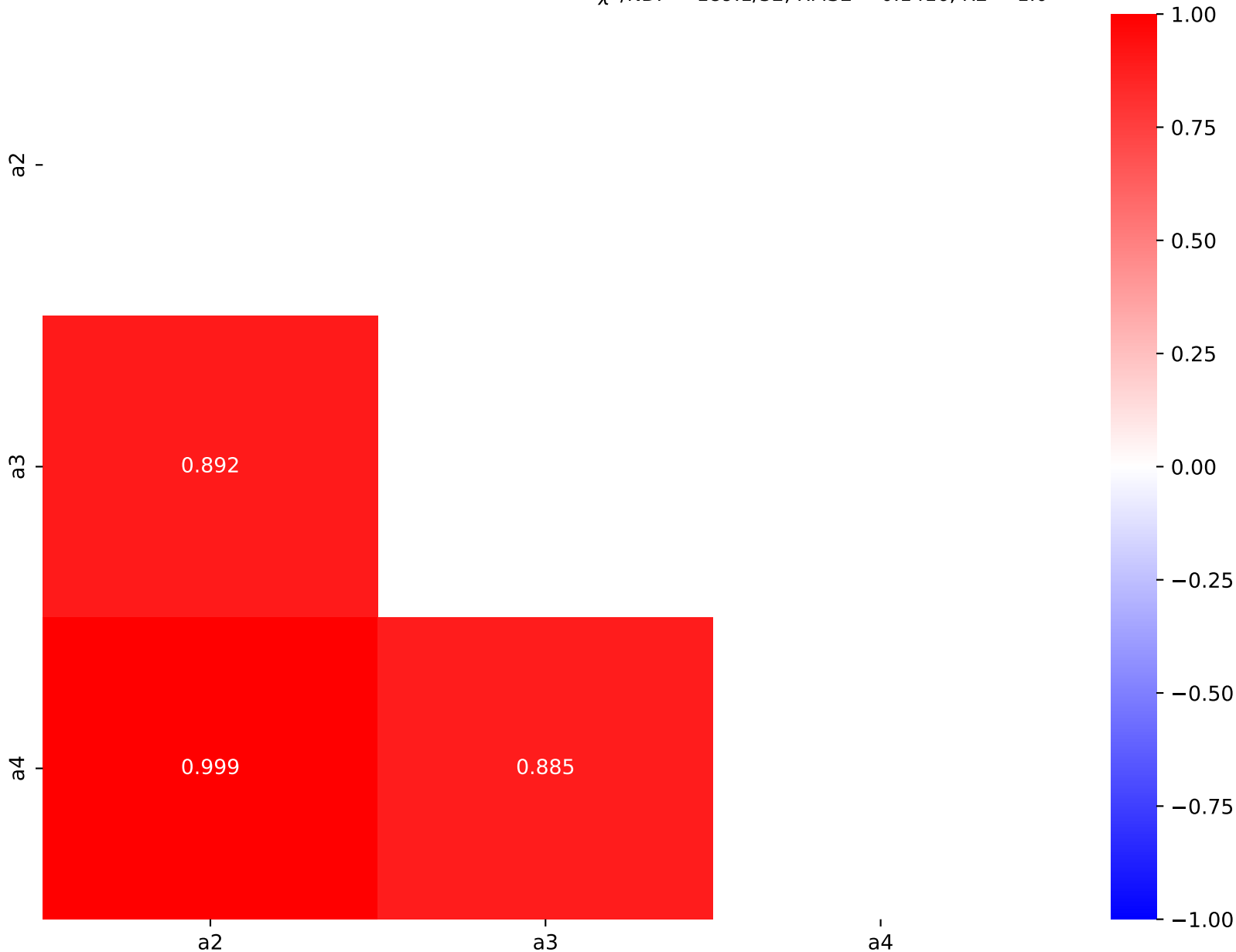


$$1.0*((a2/(a4 + 2*((x0 - 1568.5) * 0.000145275)))*(a1 + ((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(((x0 - 1568.5) * 0.000145275) + \tanh(a3 + ((x0 - 1568.5) * 0.000145275))))))$$

$$a1 = -0.502, \quad a2 = 6.06271e-05^{+1.028e-05(17.0\%)}_{-8.048e-06(13.3\%)}, \\ a3 = 0.577745^{+0.003776(0.654\%)}_{-0.003838(0.664\%)}, \quad a4 = 1.30963^{+0.2231(17.0\%)}_{-0.1747(13.3\%)}$$

Candidate #13

$\chi^2/\text{NDF} = 189.1/32$, RMSE = 0.1416, R2 = 1.0



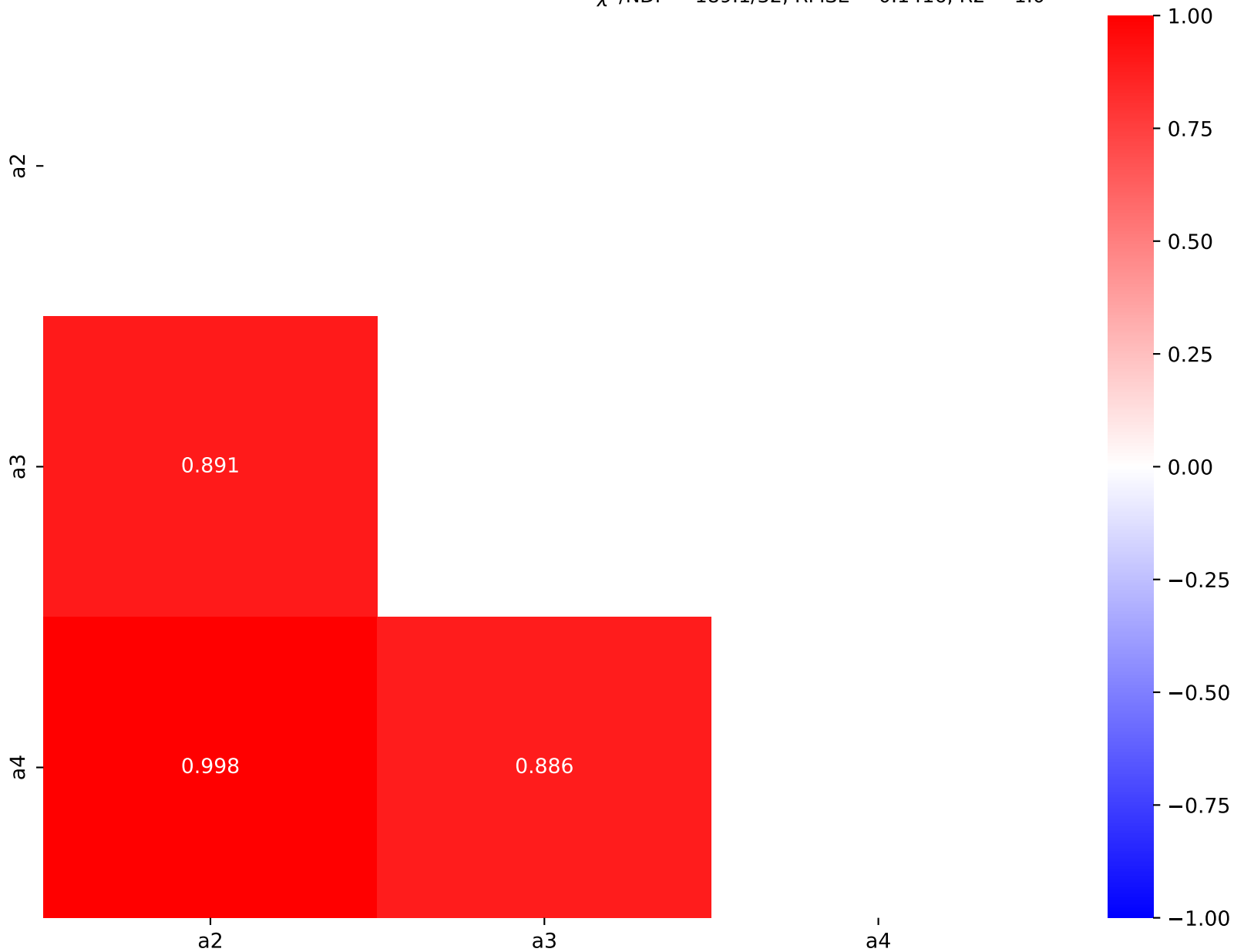
$$1.0*((a2/(a4 + ((x0 - 1568.5) * 0.000145275)))*(a1 + ((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(((x0 - 1568.5) * 0.000145275) + \tanh(a3 + ((x0 - 1568.5) * 0.000145275))))))$$

$$a1 = -0.502, \quad a2 = 3.03133e-05^{+5.139e-06(17.0\%)}_{-4.024e-06(13.3\%)},$$

$$a3 = 0.577745^{+0.003776(0.654\%)}_{-0.003838(0.664\%)}, \quad a4 = 0.654808^{+0.1116(17.0\%)}_{-0.08734(13.3\%)}$$

Candidate #12

$$\chi^2/\text{NDF} = 189.1/32, \text{RMSE} = 0.1416, R^2 = 1.0$$



$$1.0*(a2**((a1 + a4*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275))/(a3 + ((x0 - 1568.5) * 0.000145275))))$$

$$a1 = -0.889641^{+0.0298(3.35\%)}_{-0.0298(3.35\%)}, \quad a2 = 0.00359818^{+0.000676(18.8\%)}_{-0.000676(18.8\%)},$$

$$a3 = 0.339232^{+0.00876(2.58\%)}_{-0.00876(2.58\%)}, \quad a4 = 2.00351^{+0.0978(4.88\%)}_{-0.0978(4.88\%)}$$

Candidate #11 $\chi^2/\text{NDF} = 39.47/31$, RMSE = 0.02687, R2 = 1.0

a1

a2

a3

a4

a1

a2

a3

a4

-0.999

0.991

-0.992

-0.998

1.000

-0.985

1.00

0.75

0.50

0.25

0.00

-0.25

-0.50

-0.75

-1.00

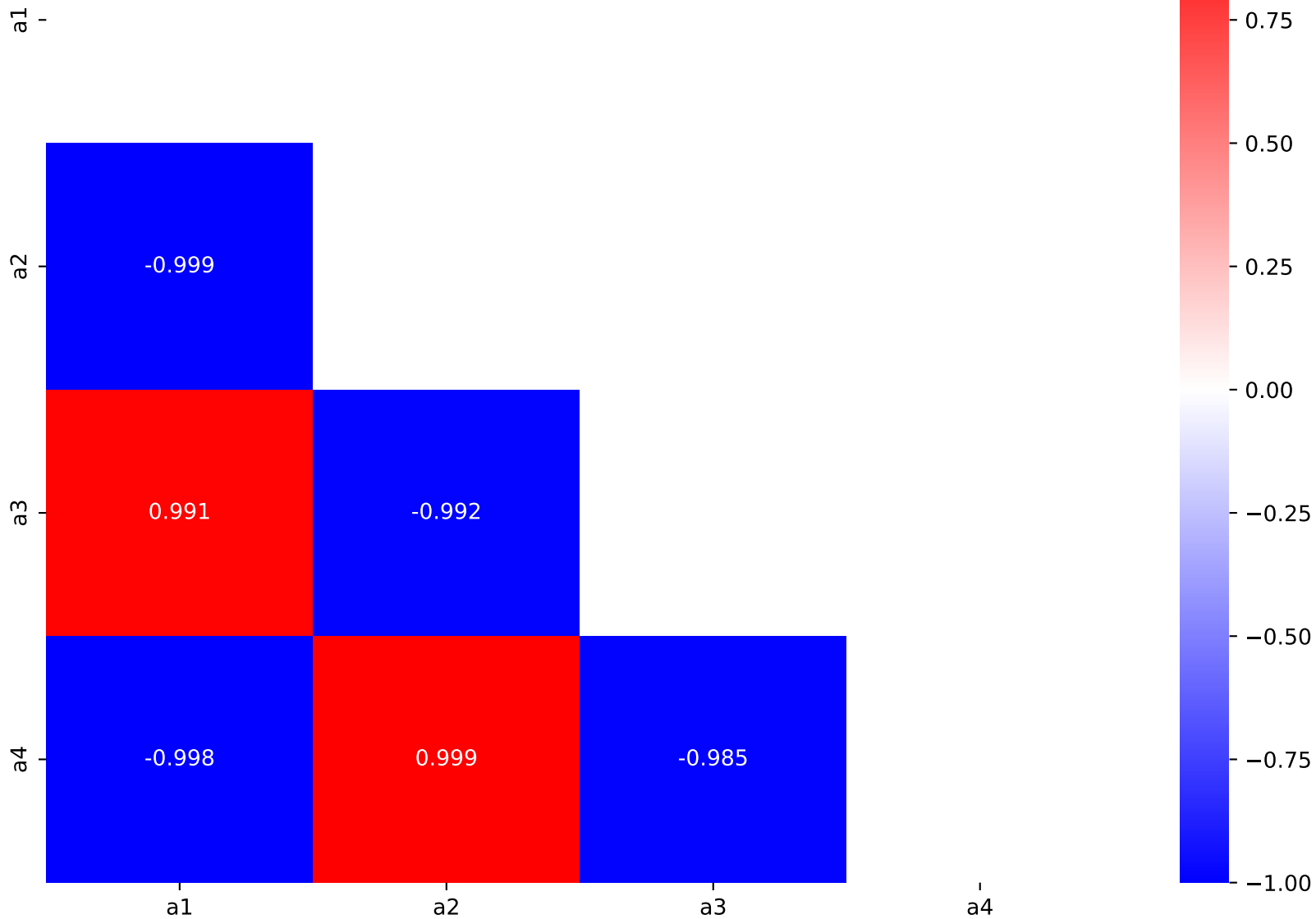
$$1.0 \cdot (a_2 \cdot (a_1 + a_4 \cdot ((x_0 - 1568.5) \cdot 0.000145275) + ((x_0 - 1568.5) \cdot 0.000145275)) / (a_3 + ((x_0 - 1568.5) \cdot 0.000145275)))$$

$$a_1 = -0.889641^{+0.0298(3.35\%)}_{-0.0298(3.35\%)}, \quad a_2 = 0.00359819^{+0.000676(18.8\%)}_{-0.000676(18.8\%)},$$

$$a_3 = 0.339232^{+0.00876(2.58\%)}_{-0.00876(2.58\%)}, \quad a_4 = 2.00351^{+0.0978(4.88\%)}_{-0.0978(4.88\%)}$$

Candidate #10

$$\chi^2/\text{NDF} = 39.47/31, \text{ RMSE} = 0.02686, \text{ R}^2 = 1.0$$



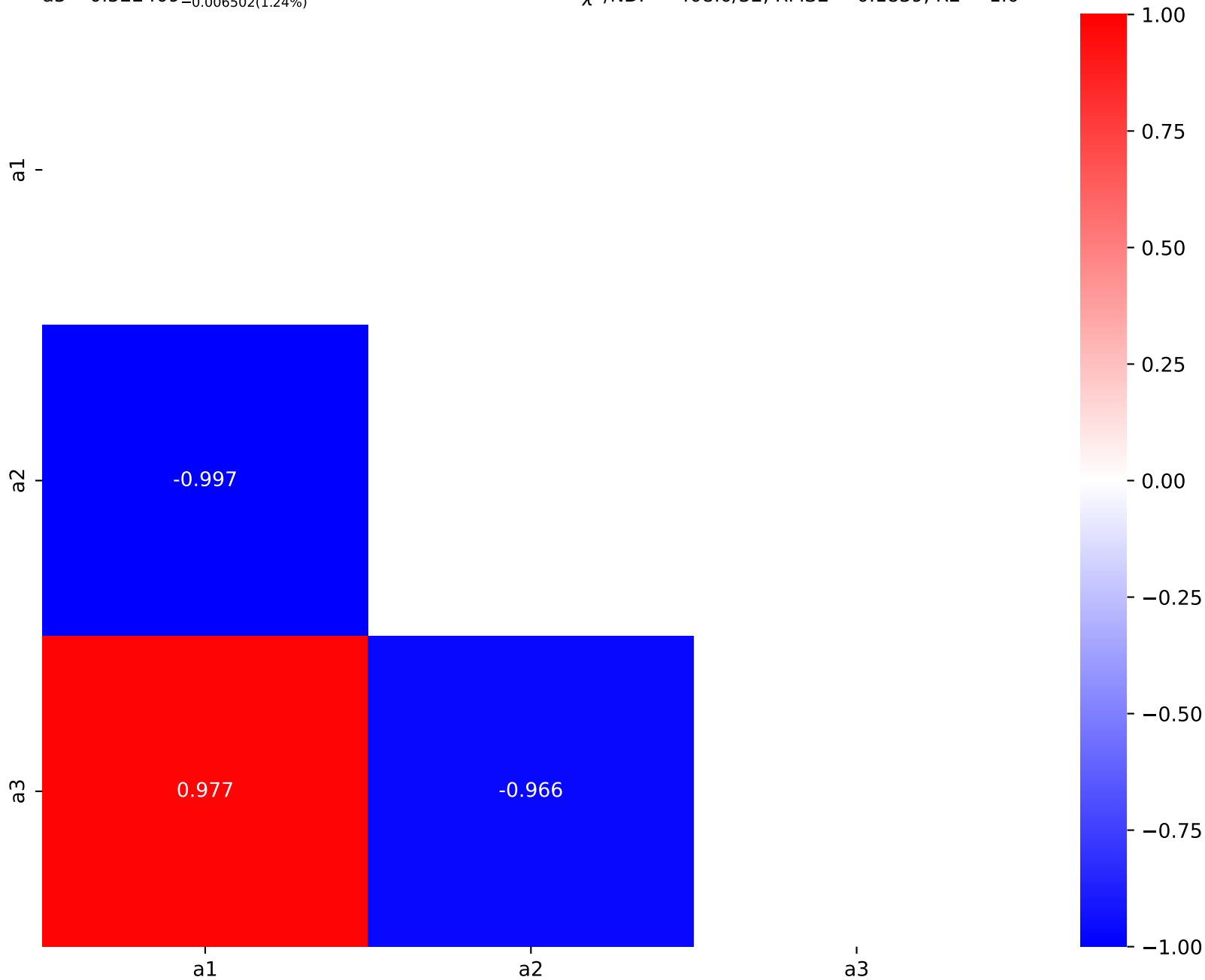
$$1.0*(a2** (a1 + ((x0 - 1568.5) * 0.000145275) + \tanh(((x0 - 1568.5) * 0.000145275)/(a3 + ((x0 - 1568.5) * 0.000145275))))))$$

$$a1 = -0.538106^{+0.003233(0.601\%)}_{-0.003179(0.591\%)}, \quad a2 = 9.21418e-05^{+5.028e-06(5.46\%)}_{-4.905e-06(5.32\%)},$$

$$a3 = 0.522409^{+0.006727(1.29\%)}_{-0.006502(1.24\%)}$$

Candidate #9

$$\chi^2/\text{NDF} = 408.0/32, \text{ RMSE} = 0.1839, \text{ R2} = 1.0$$



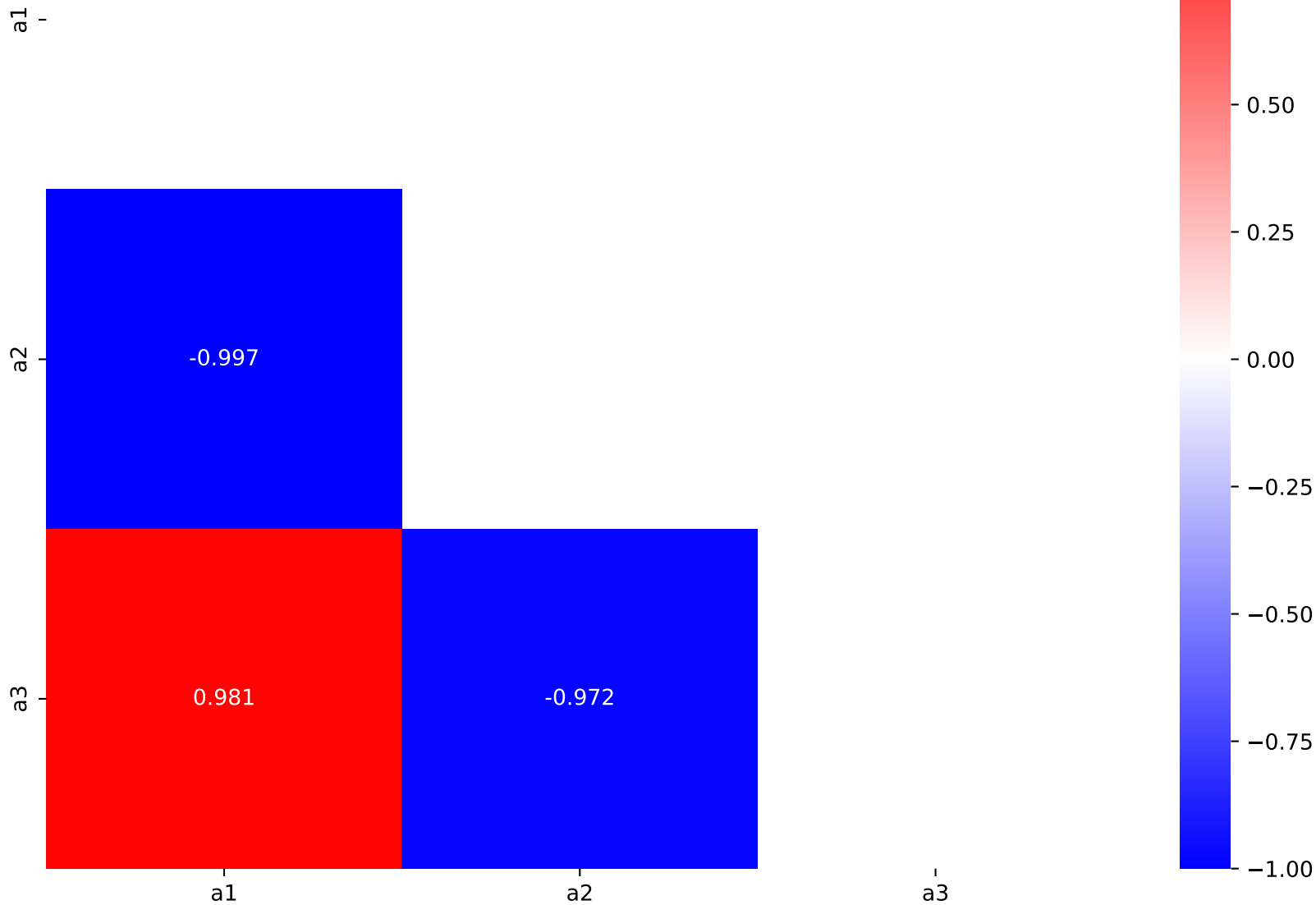
$$1.0*(a2**((a1 + ((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a3 + ((x0 - 1568.5) * 0.000145275))))$$

$$a1 = -0.571056^{+0.002964(0.519\%)}_{-0.00293(0.513\%)}, \quad a2 = 0.00015696^{+6.991e-06(4.45\%)}_{-6.839e-06(4.36\%)},$$

$$a3 = 0.471326^{+0.005012(1.06\%)}_{-0.004881(1.04\%)}$$

Candidate #8

$$\chi^2/\text{NDF} = 243.3/32, \text{RMSE} = 0.1218, R^2 = 1.0$$



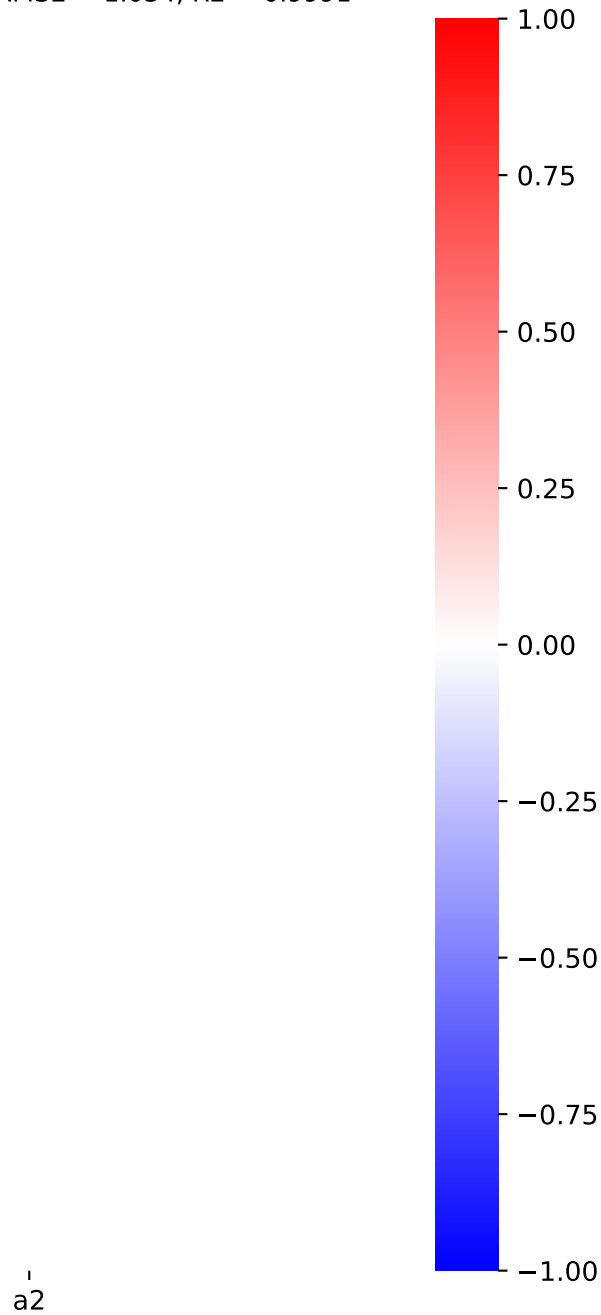
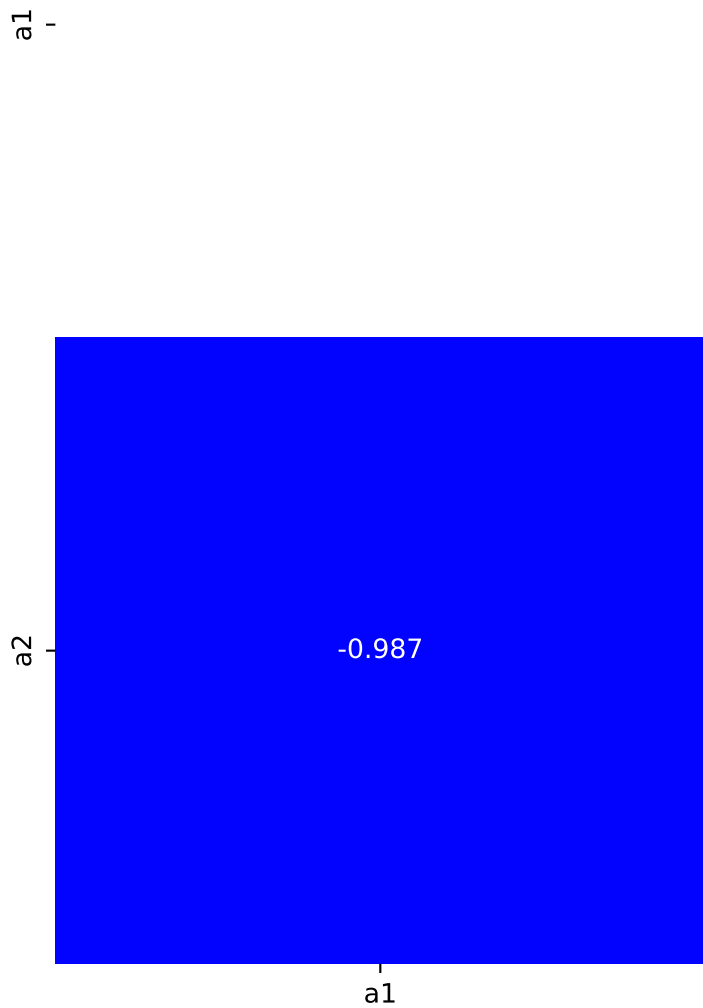
$$1.0*(a2*((x0 - 1568.5) * 0.000145275) + (a1 + ((x0 - 1568.5) * 0.000145275))*\exp(-((x0 - 1568.5) * 0.000145275))))$$

$$a1 = -0.499216^{+0.004929(0.987\%)}_{-0.004962(0.994\%)}$$

$$a2 = 4.7456e-05^{+5.599e-06(11.8\%)}_{-5.068e-06(10.7\%)}$$

Candidate #7

$$\chi^2/\text{NDF} = 11530.0/33, \text{RMSE} = 1.034, R^2 = 0.9991$$



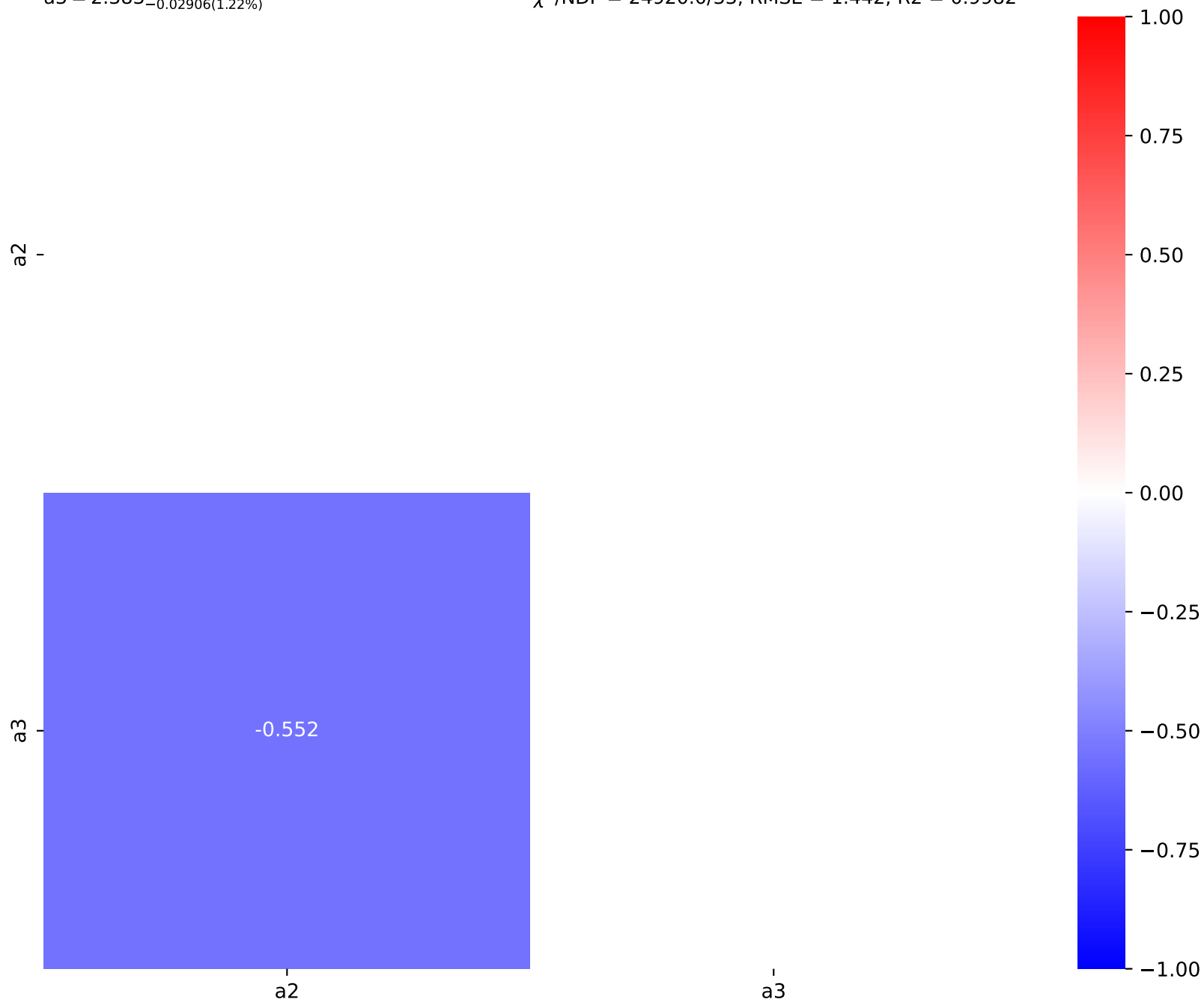
$1.0*(a2** (a1 + a3*\tanh(((x0 - 1568.5) * 0.000145275))))$

$a1 = -0.498, a2 = 4.76419e-05^{+1.567e-06(3.29\%)}_{-1.501e-06(3.15\%)},$

$a3 = 2.383^{+0.02955(1.24\%)}_{-0.02906(1.22\%)}$

$\chi^2/NDF = 24920.0/33, RMSE = 1.442, R2 = 0.9982$

Candidate #6

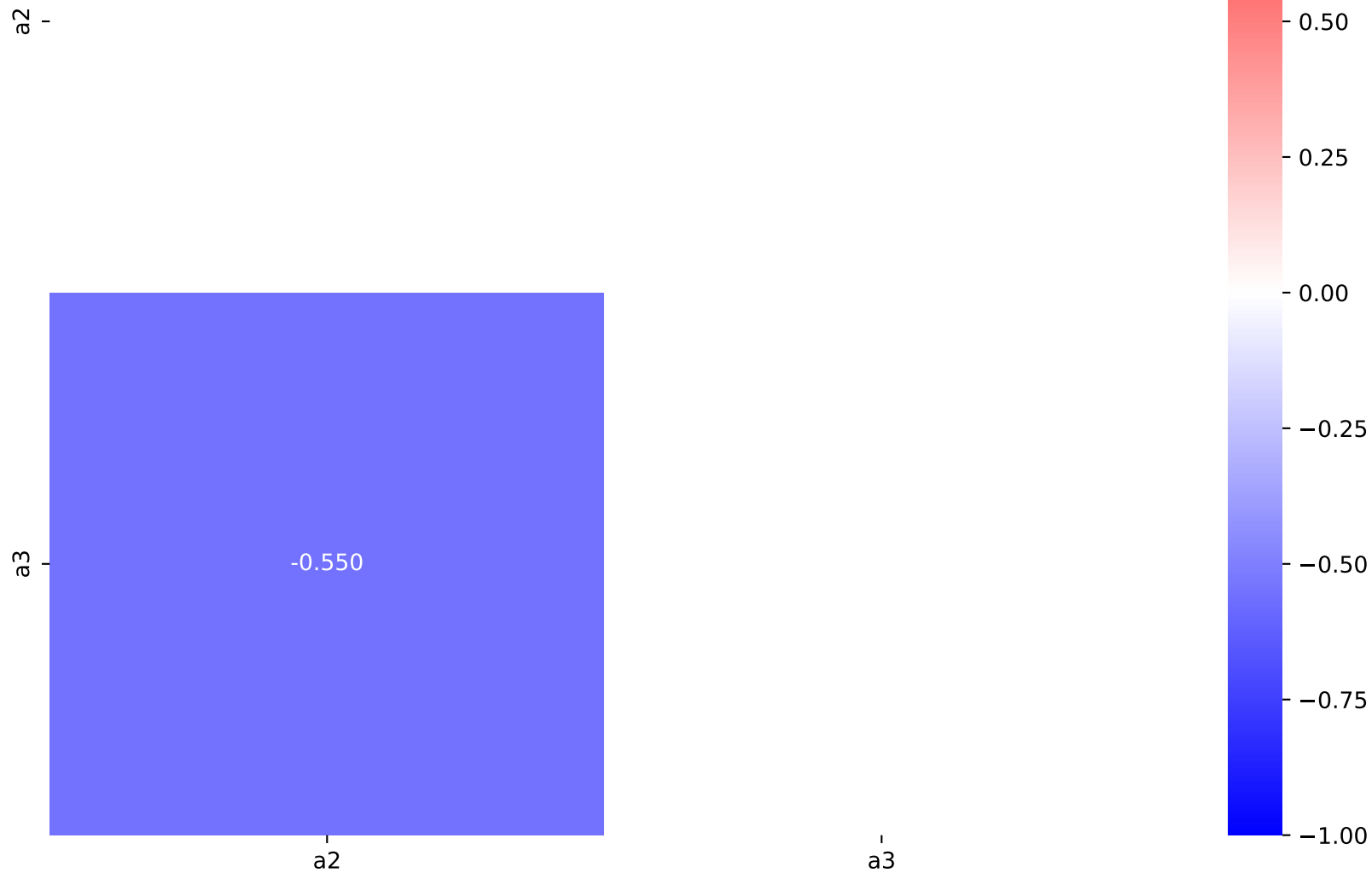


$1.0*(a2** (a1 + a3*\tanh(((x0 - 1568.5) * 0.000145275))))$

$a1 = -0.502, a2 = 5.15735e-05^{+1.683e-06(3.26\%)}_{-1.612e-06(3.13\%)},$

$a3 = 2.40214^{+0.02979(1.24\%)}_{-0.02929(1.22\%)}$

Candidate #5
 $\chi^2/\text{NDF} = 24920.0/33, \text{RMSE} = 1.442, \text{R}^2 = 0.9982$



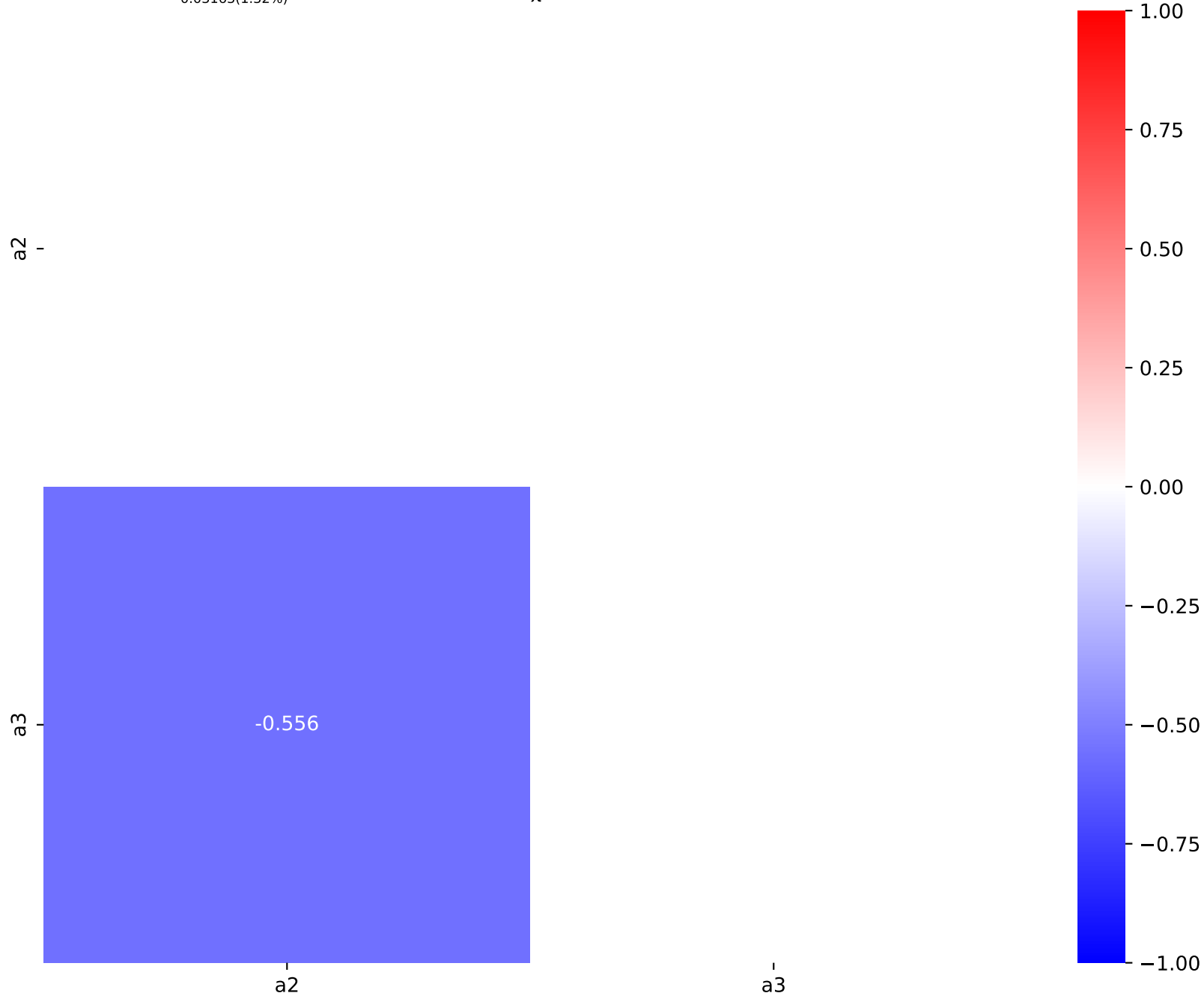
$$1.0*(a2** (a1 + a3*((x0 - 1568.5) * 0.000145275)))$$

$$a1 = -0.502, \quad a2 = 5.16349e-05^{+1.817e-06(3.52\%)}_{-1.735e-06(3.36\%)},$$

$$a3 = 2.39655^{+0.03219(1.34\%)}_{-0.03163(1.32\%)}$$

$$\chi^2/NDF = 28850.0/33, \text{ RMSE} = 1.466, \text{ R2} = 0.9981$$

Candidate #4



$1.0*(a2**(a1 + \exp(((x0 - 1568.5) * 0.000145275))))$

SymbolFit

$a1 = -1.44, a2 = 8.98556e-05$
 $^{+3.07e-05(34.2\%)}_{-3.07e-05(34.2\%)}$

Candidate #3

$\chi^2/NDF = 2737000.0/34, RMSE = 19.04, R2 = 0.6793$



$1.0*(a2** (a1 + ((x0 - 1568.5) * 0.000145275)))$

SymbolFit

$a1 = -0.349657^{+0.0197(5.63\%)}_{-0.0197(5.63\%)}, \quad a2 = 4.9e-05$

Candidate #2

$\chi^2/NDF = 3594000.0/34, \text{ RMSE} = 26.91, R2 = 0.3593$



$1.0*(a1**((x0 - 1568.5) * 0.000145275))$

$a1 = 0.000778$

$\chi^2/NDF = 6161000.0/35$, RMSE = 36.73, R2 = -0.1931

Candidate #1

SymbolFit



1.0*(a1)

a1 = 0.000272

$\chi^2/\text{NDF} = 6359000.0/35$, RMSE = 37.07, R2 = -0.2158

Candidate #0

SymbolFit

