

$$1.0*((a2 + a3*\tanh(a4*((x0 - 1568.5) * 0.000136221)))*(a5*((x0 - 1568.5) * 0.000136221) + \tanh(a1 + ((x0 - 1568.5) * 0.000136221)**2)))$$

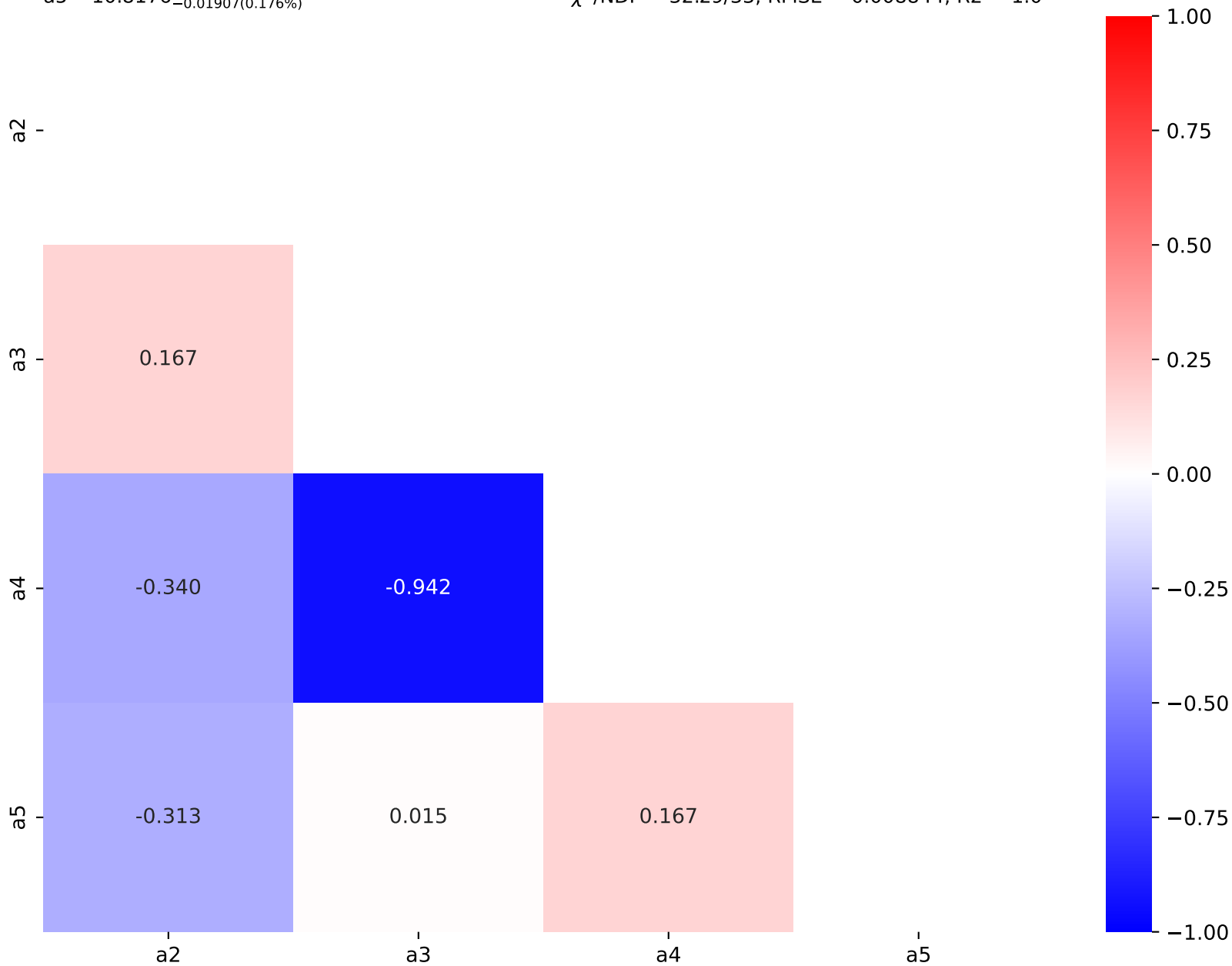
$$a1 = -1.27, a2 = 0.103136^{+0.000369(0.358\%)}_{-0.0003677(0.357\%)},$$

$$a3 = 0.109789^{+0.009845(8.97\%)}_{-0.008207(7.48\%)}, a4 = 2.53141^{+0.2877(11.4\%)}_{-0.2832(11.2\%)},$$

$$a5 = 10.8176^{+0.01913(0.177\%)}_{-0.01907(0.176\%)}$$

**Candidate #15**

$$\chi^2/\text{NDF} = 32.29/33, \text{RMSE} = 0.008844, R^2 = 1.0$$



$$1.0*((a2 + a3*\tanh(2*((x0 - 1568.5) * 0.000136221)))*(a1 + a4*((x0 - 1568.5) * 0.000136221)))$$

$$a1 = -0.855, \quad a2 = 0.103779^{+0.0003662(0.353\%)}_{-0.0003641(0.351\%)},$$

$$a3 = 0.124394^{+0.003574(2.87\%)}_{-0.003621(2.91\%)}, \quad a4 = 10.8452^{+0.01984(0.183\%)}_{-0.01977(0.182\%)}$$

**Candidate #14**

$$\chi^2/\text{NDF} = 37.73/34, \text{RMSE} = 0.01006, R^2 = 1.0$$

a2

a3

a4

a2

a3

a4

-0.460

-0.263

0.508

1.00

0.75

0.50

0.25

0.00

-0.25

-0.50

-0.75

-1.00

$$1.0*((a2 + a3*\tanh(2*((x0 - 1568.5) * 0.000136221)))*(a1 + a4*((x0 - 1568.5) * 0.000136221)))$$

$$a1 = -0.855, \quad a2 = 0.103779^{+0.0003662(0.353\%)}_{-0.0003641(0.351\%)},$$

$$a3 = 0.124394^{+0.003574(2.87\%)}_{-0.003621(2.91\%)}, \quad a4 = 10.8452^{+0.01984(0.183\%)}_{-0.01977(0.182\%)}$$

**Candidate #13**

$$\chi^2/\text{NDF} = 37.73/34, \text{RMSE} = 0.01006, R^2 = 1.0$$

a2

a3

a4

a2

a3

a4

-0.460

-0.263

0.508

1.00

0.75

0.50

0.25

0.00

-0.25

-0.50

-0.75

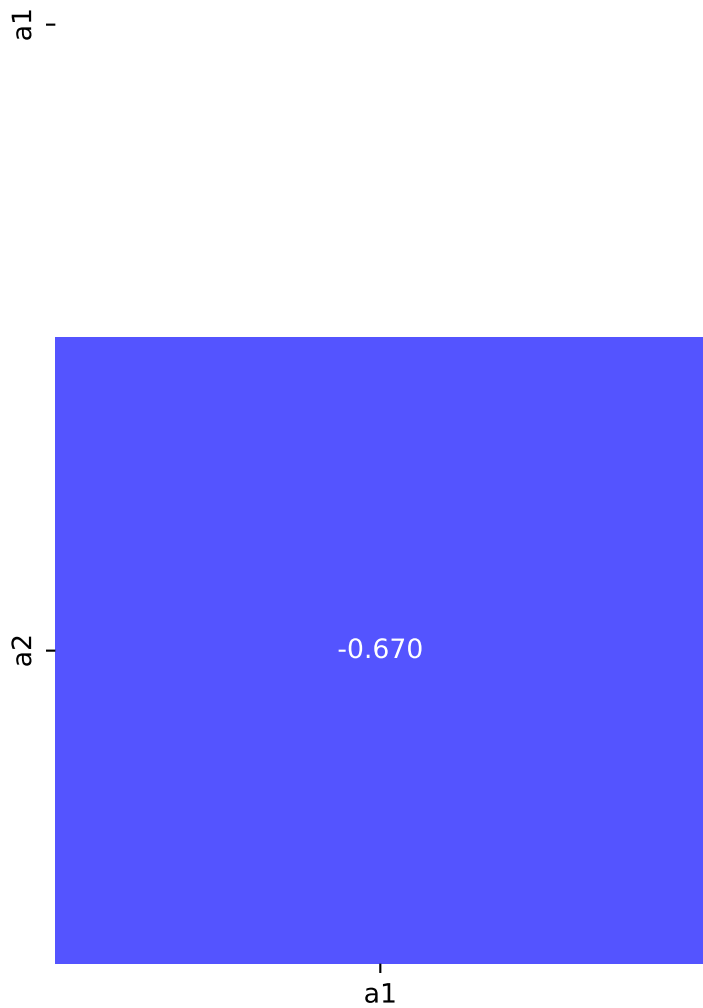
-1.00

$$1.0*(a2*(a1*((x0 - 1568.5) * 0.000136221))*(((x0 - 1568.5) * 0.000136221) + \tanh(((x0 - 1568.5) * 0.000136221))))$$

$$a1 = 6.19072e-05^{+2.765e-06(4.47\%)}_{-2.661e-06(4.3\%)}, \quad a2 = 6.99945^{+0.0329(0.47\%)}_{-0.03285(0.469\%)}$$

**Candidate #12**

$$\chi^2/\text{NDF} = 129.2/35, \text{RMSE} = 0.0176, R2 = 0.9999$$

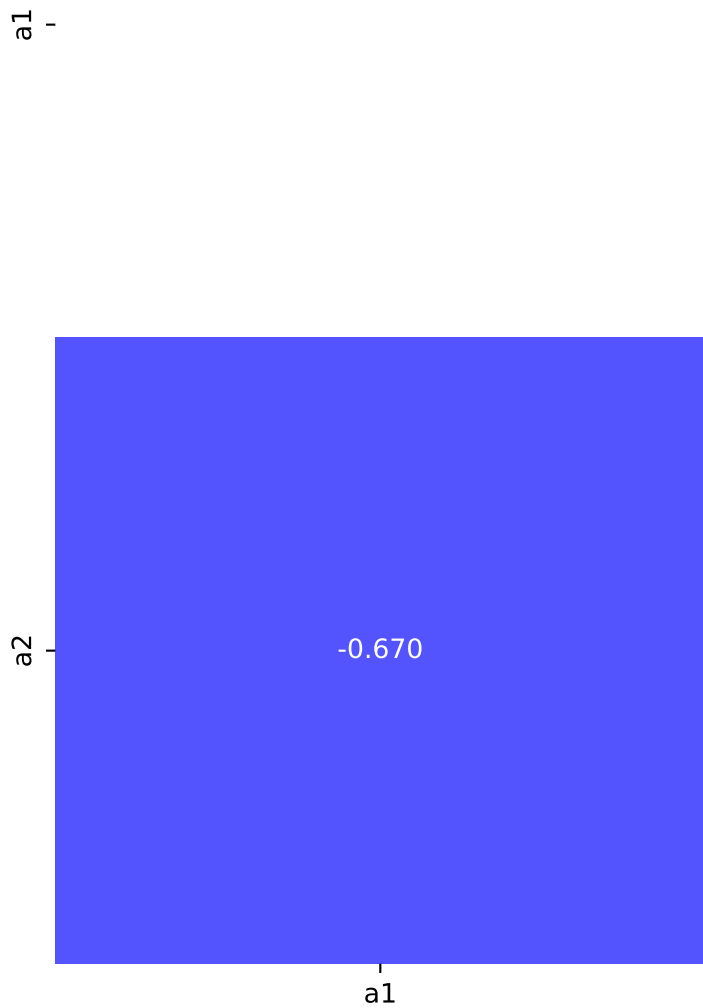
 $a2$ 

$$1.0*(a2*(a1*((x0 - 1568.5) * 0.000136221))*(((x0 - 1568.5) * 0.000136221) + \tanh(((x0 - 1568.5) * 0.000136221))))$$

$$a1 = 6.19072e-05^{+2.765e-06(4.47\%)}_{-2.661e-06(4.3\%)}, \quad a2 = 6.99945^{+0.0329(0.47\%)}_{-0.03285(0.469\%)}$$

**Candidate #11**

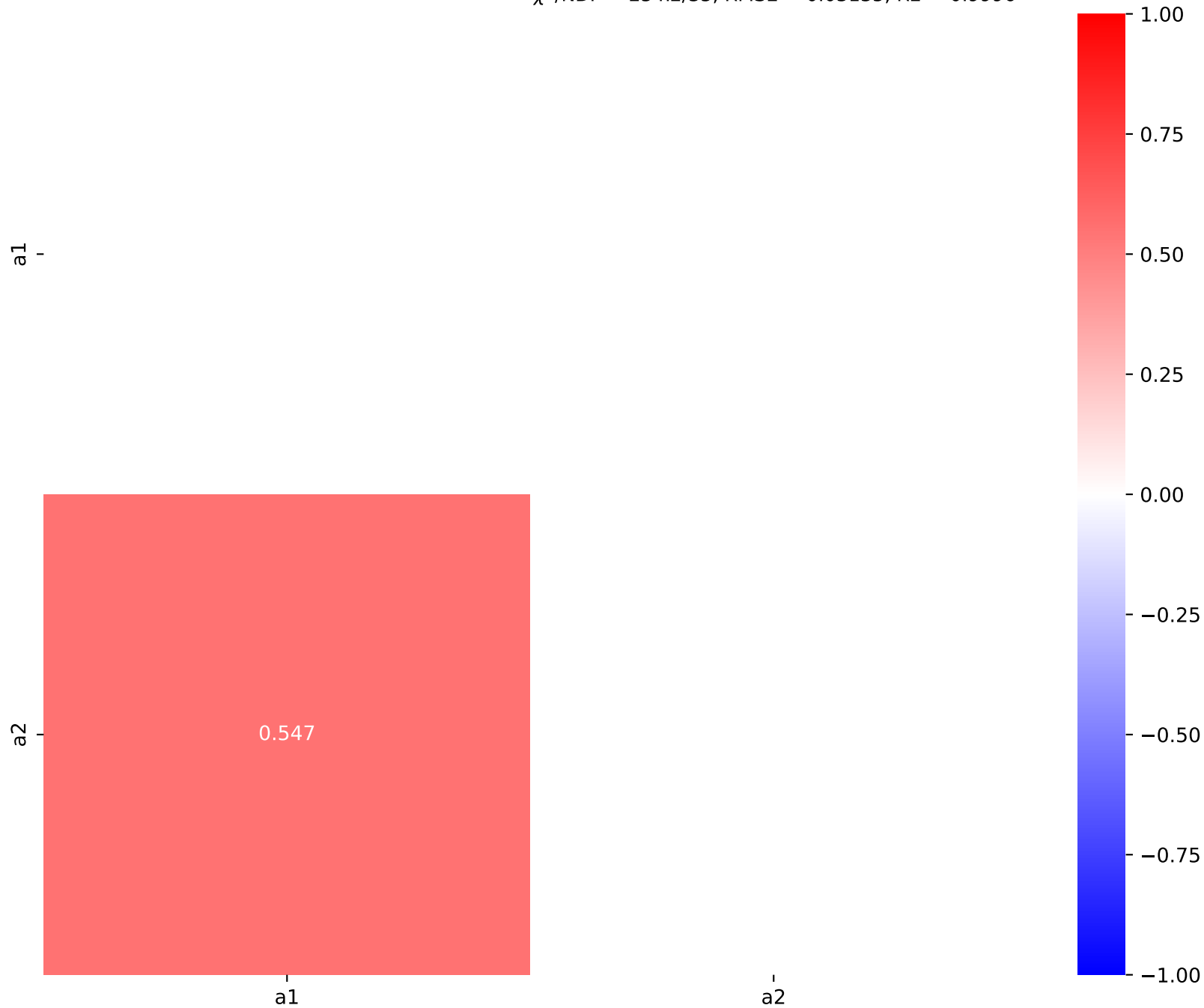
$$\chi^2/\text{NDF} = 129.2/35, \text{RMSE} = 0.0176, \text{R2} = 0.9999$$

 $a2$ 

$$1.0*(a1**(2*\tanh(((x0 - 1568.5) * 0.000136221)))/(a2 + \tanh(((x0 - 1568.5) * 0.000136221))))$$

SymbolFit

$a1 = 9.02811e - 05^{+5.179e - 06(5.74\%)}_{-4.944e - 06(5.48\%)}$ ,  $a2 = 0.146799^{+0.001024(0.698\%)}_{-0.001013(0.69\%)}$  **Candidate #10**  
 $\chi^2/\text{NDF} = 254.2/35$ , RMSE = 0.03135, R2 = 0.9996



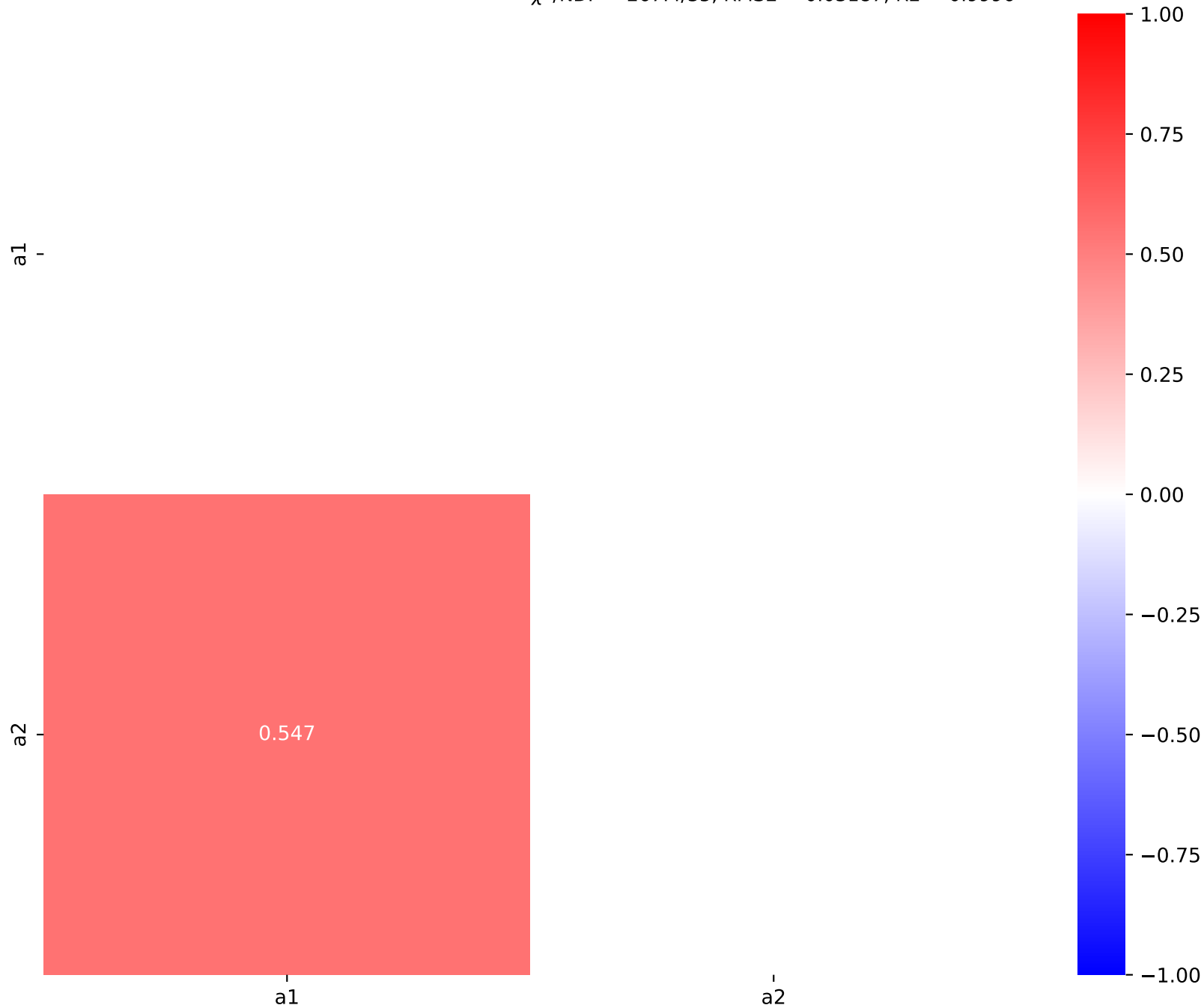
$$1.0*(a1**(2*\tanh(((x0 - 1568.5) * 0.000136221))))/(a2 + ((x0 - 1568.5) * 0.000136221)))$$

SymbolFit

$$a1 = 9.1159e-05^{+5.378e-06(5.9\%)}_{-5.126e-06(5.62\%)}, \quad a2 = 0.146856^{+0.001052(0.716\%)}_{-0.00104(0.708\%)}$$

Candidate #9

$$\chi^2/\text{NDF} = 267.4/35, \text{ RMSE} = 0.03187, \text{ R2} = 0.9996$$

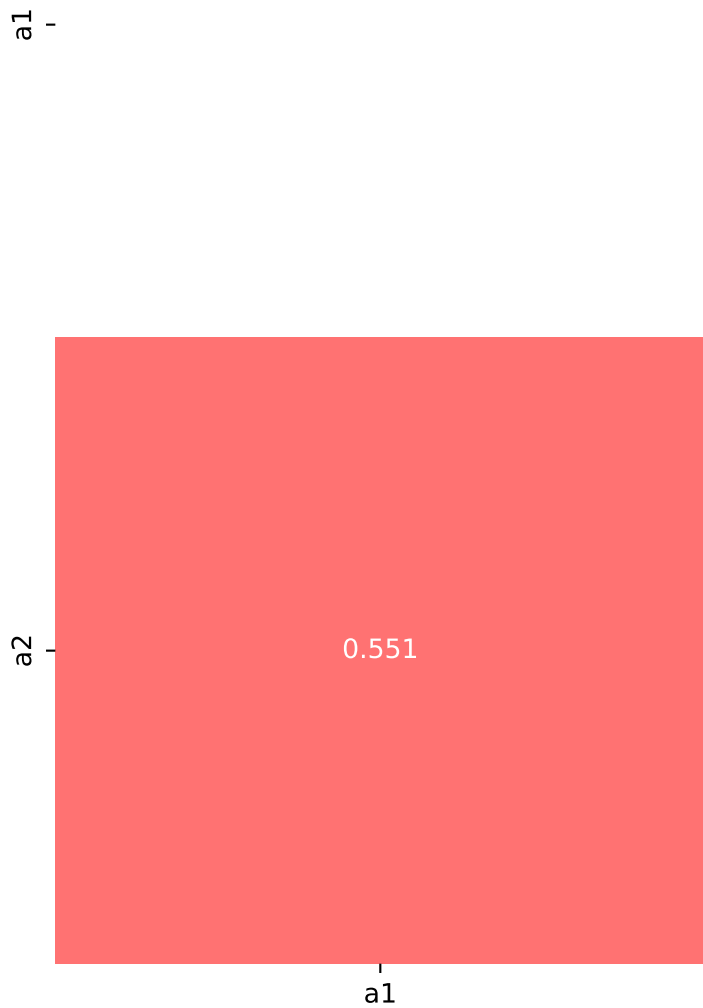


$$1.0*(a1*((x0 - 1568.5) * 0.000136221) + \tanh(((x0 - 1568.5) * 0.000136221)))/(a2 + ((x0 - 1568.5) * 0.000136221)))$$

$$a1 = 9.35739e-05^{+6.175e-06(6.6\%)}_{-5.852e-06(6.25\%)}, \quad a2 = 0.147023^{+0.001171(0.796\%)}_{-0.001156(0.787\%)}$$

**Candidate #8**

$$\chi^2/\text{NDF} = 328.6/35, \text{ RMSE} = 0.03341, R^2 = 0.9995$$



a2





$1.0*(a2*(a1*((x0 - 1568.5) * 0.000136221))**(2*((x0 - 1568.5) * 0.000136221)))$

SymbolFit

$a1 = 6.44003e - 05^{+3.456e - 06(5.37\%)}_{-3.302e - 06(5.13\%)}$ ,  $a2 = 6.98797^{+0.03912(0.56\%)}_{-0.03904(0.559\%)}$  **Candidate #7**  
 $\chi^2/NDF = 181.6/35$ , RMSE = 0.01789, R2 = 0.9999

a1

a2



-0.672

a1

a2



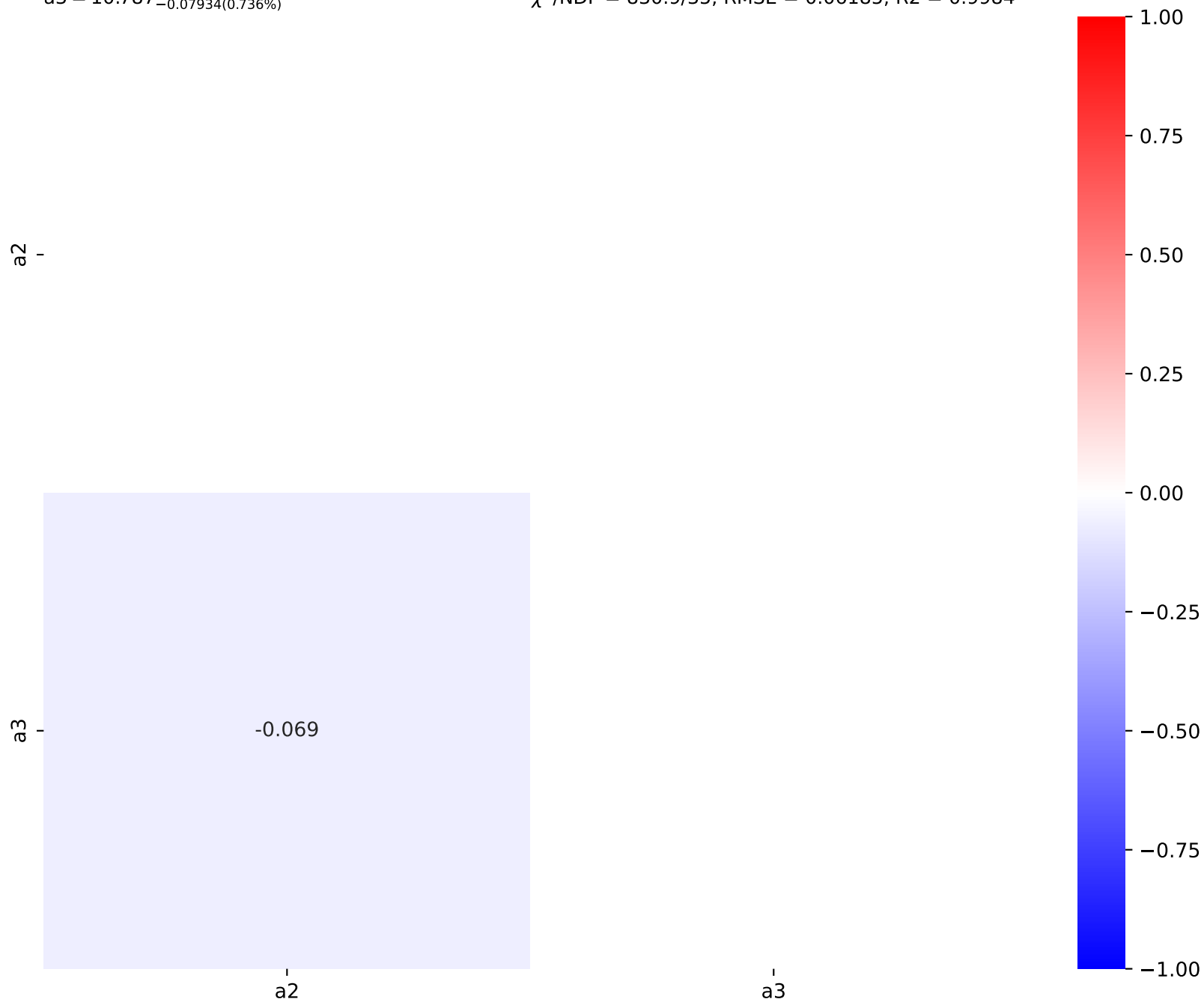
$$1.0*(a2** (a1 + a3*\tanh(((x0 - 1568.5) * 0.000136221))))$$

$$a1 = -0.867, \quad a2 = 0.112493^{+0.001635(1.45\%)}_{-0.001599(1.42\%)},$$

$$a3 = 10.787^{+0.08067(0.748\%)}_{-0.07934(0.736\%)}$$

$$\chi^2/\text{NDF} = 830.9/35, \text{ RMSE} = 0.06185, \text{ R2} = 0.9984$$

Candidate #6



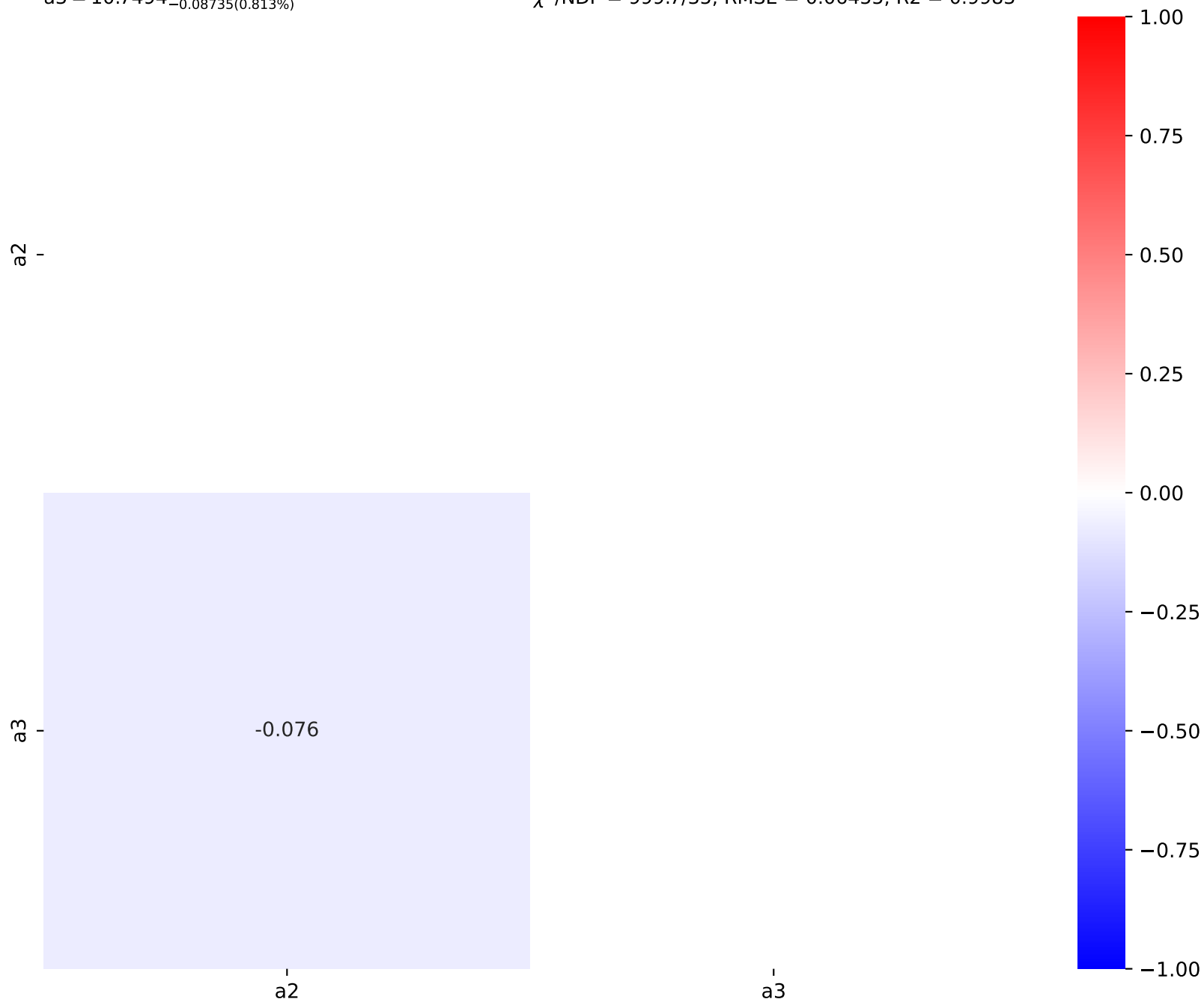
$$1.0*(a2** (a1 + a3*((x0 - 1568.5) * 0.000136221)))$$

$$a1 = -0.867, \quad a2 = 0.112745^{+0.001804(1.6\%)}_{-0.00176(1.56\%)},$$

$$a3 = 10.7494^{+0.08893(0.827\%)}_{-0.08735(0.813\%)}$$

$$\chi^2/\text{NDF} = 999.7/35, \text{ RMSE} = 0.06455, \text{ R2} = 0.9983$$

Candidate #5



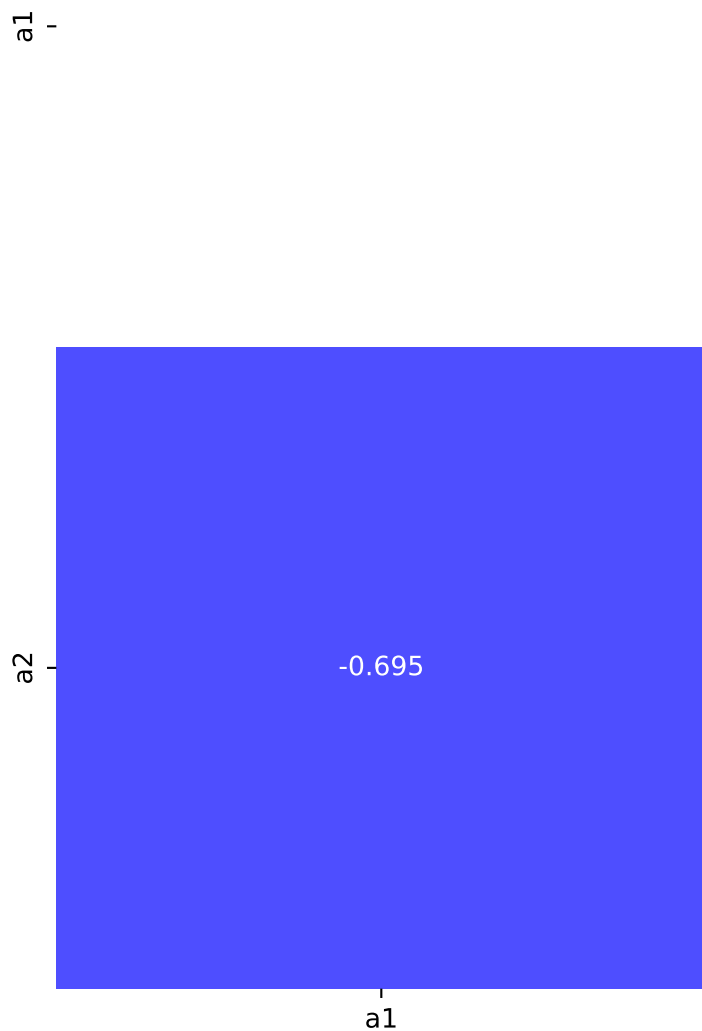
$$1.0*(a2*\exp(a1*((x0 - 1568.5) * 0.000136221)))$$

SymbolFit

$$a1 = -23.4619^{+0.2694(1.15\%)}_{-0.2731(1.16\%)}, a2 = 6.63485^{+0.09112(1.37\%)}_{-0.09069(1.37\%)}$$

**Candidate #4**

$$\chi^2/\text{NDF} = 999.7/35, \text{RMSE} = 0.06456, R^2 = 0.9983$$



$a2$

$1.0*(a1**((x0 - 1568.5) * 0.000136221)*a2)$

SymbolFit

$a1 = 1.07e-05, a2 = 2.3289^{+0.303(13.0\%)}_{-0.303(13.0\%)}$

Candidate #3

$\chi^2/NDF = 120300.0/36, RMSE = 1.025, R2 = 0.5707$



$1.0 * (\exp(a1 * ((x0 - 1568.5) * 0.000136221)))$

$a1 = -11.361^{+1.79(15.8\%)}_{-1.79(15.8\%)}$

$\chi^2/NDF = 184700.0/36, RMSE = 1.416, R2 = 0.1804$

Candidate #2

SymbolFit



$1.0 \cdot (a_1 \cdot ((x_0 - 1568.5) \cdot 0.000136221))$

$a_1 = 1.12 \cdot 10^{-5}$

$\chi^2/\text{NDF} = 184700.0/37, \text{RMSE} = 1.417, \text{R}^2 = 0.1801$

Candidate #1

SymbolFit



1.0\*(a1)

$$a1 = 9.09e - 05$$

***Candidate #0***

$$\chi^2/\text{NDF} = 318800.0/37, \text{RMSE} = 1.729, R^2 = -0.2215$$

SymbolFit

