

Comparison 0  
Variable: tasmax  
E2 File: GISS-E2-1-G historical r1i1p1f2 gn v20190903 (195101-200012)  
E3 File: GISS-E3-G historical r1i1p1f1 gn v20190903 (195101-200012)

**GISS-E2   GISS-E3   Percent Difference (%)   Test (within 10%)**

<b>Statistic</b>				
<b>Mean</b>	279.467	279.323	0.052	PASS
<b>Median</b>	284.431	284.380	0.018	PASS
<b>Minimum</b>	179.312	186.345	3.774	PASS
<b>Maximum</b>	333.788	323.274	3.252	PASS
<b>Standard Deviation</b>	84.569	24.985	238.471	FAIL

Comparison 1  
Variable: tasmax  
E2 File: GISS-E2-1-G historical r1i1p1f2 gn v20190903 (200001-201412)  
E3 File: GISS-E3-G historical r1i1p1f1 gr v20220727 (200001-201412)

**GISS-E2   GISS-E3   Percent Difference (%)   Test (within 10%)**

<b>Statistic</b>				
<b>Mean</b>	279.467	280.393	0.330	PASS
<b>Median</b>	284.431	285.186	0.265	PASS
<b>Minimum</b>	179.312	209.980	14.605	FAIL
<b>Maximum</b>	333.788	323.378	3.219	PASS
<b>Standard Deviation</b>	84.569	24.514	244.983	FAIL

# Comparison 2

Variable: tas

E2 File: GISS-E2-1-G historical r1i1p1f2 gn v12345 (190101-195012)

E3 File: GISS-E3-G historical r1i1p1f1 gn v20190903 (190101-195012)

**GISS-E2   GISS-E3   Percent Difference (%)   Test (within 10%)**

## Statistic

<b>Mean</b>	277.515	277.247	0.097	PASS
<b>Median</b>	282.470	282.349	0.043	PASS
<b>Minimum</b>	178.641	185.168	3.525	PASS
<b>Maximum</b>	320.224	317.124	0.977	PASS
<b>Standard Deviation</b>	84.569	24.627	243.397	FAIL

# Comparison 3

Variable: tas

E2 File: GISS-E2-1-G historical r1i1p1f2 gn v12345 (19630101-19631231)

E3 File: GISS-E3-G historical r1i1p1f1 gn v12345 (19630101-19631231)

**GISS-E2   GISS-E3   Percent Difference (%)   Test (within 10%)**

## Statistic

<b>Mean</b>	277.515	277.395	0.043	PASS
<b>Median</b>	282.470	282.178	0.103	PASS
<b>Minimum</b>	178.641	202.468	11.769	FAIL
<b>Maximum</b>	320.224	315.661	1.445	PASS
<b>Standard Deviation</b>	84.569	20.623	310.077	FAIL

# Comparison 4

Variable: tas

E2 File: GISS-E2-1-G historical r1i1p1f2 gn v12345 (195001-199912)

E3 File: GISS-E3-G historical r1i1p1f1 gr v20220727 (195001-199912)

**GISS-E2   GISS-E3   Percent Difference (%)   Test (within 10%)**

## Statistic

<b>Mean</b>	277.515	277.566	0.018	PASS
<b>Median</b>	282.470	282.331	0.049	PASS
<b>Minimum</b>	178.641	207.487	13.903	FAIL
<b>Maximum</b>	320.224	314.473	1.829	PASS
<b>Standard Deviation</b>	84.569	19.900	324.977	FAIL

Comparison 5  
Variable: tasmin

E2 File: GISS-E2-1-G historical r1i1p1f2 gn v20190903 (185001-190012)

E3 File: GISS-E3-G historical r1i1p1f1 gn v20190903 (185001-190012)

**GISS-E2   GISS-E3   Percent Difference (%)   Test (within 10%)**

**Statistic**

<b>Mean</b>	275.161	275.051	0.040	PASS
<b>Median</b>	280.111	280.010	0.036	PASS
<b>Minimum</b>	175.635	182.648	3.840	PASS
<b>Maximum</b>	314.946	312.158	0.893	PASS
<b>Standard Deviation</b>	68.181	24.581	177.374	FAIL

Comparison 6  
Variable: tasmin

E2 File: GISS-E2-1-G historical r1i1p1f2 gn v20190903 (200001-201412)

E3 File: GISS-E3-G historical r1i1p1f1 gr v20220727 (200001-201412)

**GISS-E2   GISS-E3   Percent Difference (%)   Test (within 10%)**

**Statistic**

<b>Mean</b>	275.161	276.393	0.446	PASS
<b>Median</b>	280.111	280.556	0.159	PASS
<b>Minimum</b>	175.635	205.918	14.706	FAIL
<b>Maximum</b>	314.946	308.401	2.122	PASS
<b>Standard Deviation</b>	68.181	23.434	190.956	FAIL

Percent Difference between Various Runs  
Risk Percentage: 31.4%

Key for color ranges:  
green: [0, 10]  
yellow: [10, 20]  
orange: [20, 100]  
red: [100, inf]

	Comparison 0	Comparison 1	Comparison 2	Comparison 3	Comparison 4	Comparison 5	Comparison 6
Statistic							
Mean	0.052	0.330	0.097	0.043	0.018	0.040	0.446
Median	0.018	0.265	0.043	0.103	0.049	0.036	0.159
Minimum	3.774	14.605	3.525	11.769	13.903	3.840	14.706
Maximum	3.252	3.219	0.977	1.445	1.829	0.893	2.122
Standard Deviation	238.471	244.983	243.397	310.077	324.977	177.374	190.956



## Key:

### Comparison 0

Variable: tasmax

E2 File: GISS-E2-1-G historical r1i1p1f2 gn v20190903 (195101-200012)

E3 File: GISS-E3-G historical r1i1p1f1 gn v20190903 (195101-200012)

### Comparison 1

Variable: tasmax

E2 File: GISS-E2-1-G historical r1i1p1f2 gn v20190903 (200001-201412)

E3 File: GISS-E3-G historical r1i1p1f1 gr v20220727 (200001-201412)

### Comparison 2

Variable: tas

E2 File: GISS-E2-1-G historical r1i1p1f2 gn v12345 (190101-195012)

E3 File: GISS-E3-G historical r1i1p1f1 gn v20190903 (190101-195012)

### Comparison 3

Variable: tas

E2 File: GISS-E2-1-G historical r1i1p1f2 gn v12345 (19630101-19631231)

E3 File: GISS-E3-G historical r1i1p1f1 gn v12345 (19630101-19631231)

### Comparison 4

Variable: tas

E2 File: GISS-E2-1-G historical r1i1p1f2 gn v12345 (195001-199912)

E3 File: GISS-E3-G historical r1i1p1f1 gr v20220727 (195001-199912)

### Comparison 5

Variable: tasmin

E2 File: GISS-E2-1-G historical r1i1p1f2 gn v20190903 (185001-190012)

E3 File: GISS-E3-G historical r1i1p1f1 gn v20190903 (185001-190012)

### Comparison 6

Variable: tasmin

E2 File: GISS-E2-1-G historical r1i1p1f2 gn v20190903 (200001-201412)

E3 File: GISS-E3-G historical r1i1p1f1 gr v20220727 (200001-201412)