



## Tornado in Dittersdorf (Sachsen), Germany

Strongest damage concentration: Dittersdorf  
Event date and time: 23 April 1800, 15:30 UTC +/-30mins  
Maximum intensity: IF5

**The tornado in Dittersdorf (formerly known as Hainichen-Tornado), fully destroyed masonry brick buildings and debarked trees. It hit Arnsdorf, Dittersdorf, and Etzdorf.**

### **Arnsdorf - Rating: BRC/2: IF2):**

The tornado developed close to the village. Roofs of buildings were destroyed.

**IF-Scale damage indicator (DI):** BR

**IF-Scale sturdiness class:** C

**IF-Scale Degree of Damage (DoD):** 2

**IF-Scale Result:** IF2

### **Dittersdorf - Rating: BSE/2: IF5):**

The local Philipp estate, a newly built large residential home, was completely destroyed except for a remaining wing which was also shifted for three yards. Only the vaulted kitchen in the ground floor remained.

**DI:** BS – Sturdiness: E (strong brick masonry)

**DoD:** 2

**IF-Scale Result:** BSE/2: IF5

### **Forest area N Dittersdorf - Rating: TRS/9: ≥IF4**

Trees were fully debarked. Forest tree stand.

**DI:** TR – In a forest, but not uprooted or snapped. Indication of strong trees: S

**DoD:** 9

**IF-Scale Result:** TRS/9: ≥IF4

### **Etzdorf – Rating BSB/2: ≥IF2.5 or BSC/2: ≥IF3**

Some houses were completely torn down and thrown around (residential and farm buildings). Details missing.

**DI:** BS – Sturdiness B for large farm buildings or sheds

**DoD:** 2

**IF-Scale Result:** BSB/2: ≥IF2.5

**DI:** BS – Sturdiness C for default average brick structure for residential homes

**DoD:** 2

**IF-Scale Result:** ≥IF3

Number of analyzed historical damage photos: none

Additional information analyzed: 2 pieces of written damage accounts.

Sources:

Wegener, Alfred: Wind- und Wasserhosen in Europa, 1917

Sommer, Johann Gottfried: Physikalische Beschreibung des Dunstkreises der Erdkugel, 1830

*The International Fujita Scale (IF-Scale) documentation is available here:*

<https://www.essl.org/cms/research-projects/international-fujita-scale/>