



ESSL IF-Scale Tornado Summary

Tornado from Lichtenvoorde to before Genderen/Tubbergen, Netherlands - 1927

Strongest damage:
Event date and time:
Maximum intensity:

Neede
1 June 1927, 13:30 UTC (+/- 30 min)
IF5

Residential buildings built of bricks and also outbuildings were destroyed, 7 persons were killed and about 200 persons injured.

Example 1



Examples 1 and 2

These examples show two residential buildings close to each other that have been completely destroyed (DoD2). Wall thickness in the first example is typical for this type of building, while wall thickness in the second example cannot be estimated, since the building was completely reduced to piles of bricks.

An important fact is that the house in example 1 was only 3 months old and therefore likely in good condition.

IF-Scale damage indicator (DI): BS (building, structural elements)

IF-Scale sturdiness class: E

IF-Scale Degree of Damage (DoD): 2

(more than 2/3 destroyed)

IF-Scale result: IF5

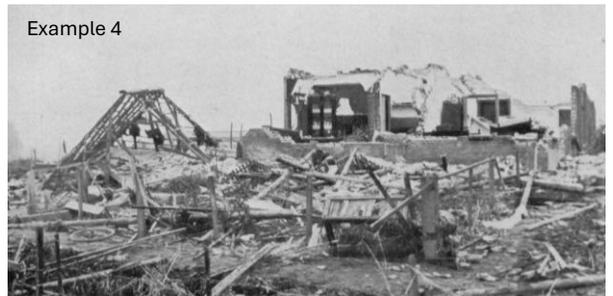
Examples 3 and 4

These are examples of buildings that were badly damaged too, but where intensity was considered to have been less than IF5.

Example 2



Example 4



Example 3



Number of analyzed historical damage photos:
6 (Source: Hans Niessink and Claus Reynaert, 1987: De Vergeten Cycloon: de stormramp van 1 juni 1927, Historische Kring Neede.)

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

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