

Cloud Cover recorded at Armagh Observatory

Cloud cover estimates from Armagh Observatory have been recorded since 1884, initially in tenths of the sky and later in octas. The original (raw) data files were compiled by Brenda Morrow who was supported by the Heritage Lottery Fund and the Irish Soldiers and Sailors Land Trust. Those data that were originally recorded in tenths were converted to octas by Anna Garcia Suarez who also computed monthly totals and the mean daily cloud cover.

Enric Palle and C.J. Butler published a comparison of the Armagh cloud cover data with the hours of bright sunshine from a Campbell-Stokes Sunshine Recorder. In general, they found a good correspondence between the hours of bright sunshine and cloud cover estimates with the former less influenced by observer bias.

Files:

/cloud/daily/raw/1884_1890a Morning estimates in tenths

/cloud/daily/raw/1884_1890p Evening estimates in tenths

/cloud/daily/corrected/cloud_daily_1884_1889_am morning cloud cover in octas

/cloud/daily/corrected/cloud_daily_1884_1889_pm evening cloud cover in octas

/cloud/monthly/cloud_mean_1884_1965_pm mean monthly cloud cover in evening

/cloud/monthly/cloud_total_1884_2001_am total monthly cloud cover in morning
plus similar

/cloud/seas-ann/cloud_seasonalmean_1884_1965_pm Seasonal mean cloud cover

References:

Palle, E. and Butler, C.J. (2002) A Comparison of Sunshine Records and Synoptic Cloud Cover – A Case Study for Ireland, *Physics and Chemistry of the Earth* 27, 405-414

ARM/MET/001105

Files from: AO-PC-Jan17/alpha/met/cld/final