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SUMMARY OF CLIMATIC EVENTS DURING THE PERIOD DECEMBER 1990 TO NOVEMBER 1991

D.A. McKinlay

December 1990 to February 1991

The winter season in the Northern Hemisphere (NH) continued the recent trend of warmer than normal winters with an average temperature of 0.66°C above the 1951-70 reference period average. It was the seventh warmest since 1851, and six of the seven have occurred in the last eleven years. Despite this hemispherical warmth, Arctic regions and large areas of Canada were much colder than normal in December and January, as was the eastern Arctic, to a lesser extent, in February.

In the Southern Hemisphere (SH), it was also a warmer than average season (0.41°C above the 1951-70 reference period average), second only to 1982-83 (+0.51°C) in recent times; there were some exceptionally warmer than normal summers in the 1850s (although the record series before the 1880s is not considered to be quite so reliable). The Southern Oscillation Index showed little deviation from the norm over the three-month period but surface and sub-surface oceanic anomaly patterns in the western equatorial Pacific indicated conditions favourable for the development of an El Niño warm event (see article in *Climate Monitor* 17, p. 80).

It was warmer than normal over much of the NH in December 1990, apart from the Arctic, Canada and the western two-thirds of the USA. December 1990 was warmer than normal over much of Eurasia, with the greatest anomalies (+5), over northern Scandinavia (Karesuando in northern Sweden had its warmest December on record going back to 1951 with a mean of -6°C), western Russia (+4), large areas of southern and southeastern Russia (+6) and the Central Siberian Plateau (+4). The North Pacific was warmer than normal (+4 over the Alaskan peninsula), as was southeastern USA (+4 over the Carolinas). Large areas of North Africa were also warmer than normal, especially in the east (+6 over Sudan). In the SH, much of Australia was warmer than normal, with a centre of +3 over northern New South Wales, and in South America, parts of eastern Brazil were +2. Interior parts of the Antarctic were warmer than normal, and Vostok recorded its warmest December since records began in 1958 (+4.9). Apart from northern Scandinavia and the extreme eastern parts of Greenland, much of the Arctic was cooler than normal, with the greatest negative anomalies (-10) over the Kara Sea (Ostrov Vize (former USSR) had its coldest December on record going back to 1951 with -31.5°C) and eastern Siberia (-6). Much of Canada was colder than normal (-6 over the Hudson Straits and Manitoba), and this cold plunge affected much of the western USA (-8 over Idaho and Montana). Parts of the western Mediterranean registered a cooler than normal December (-2 to -3). In the SH, the only significantly cooler than normal weather was recorded over Uruguay, with the remainder of the land masses and southern oceans being near or above normal.

January 1990 was again warmer than normal over much of Eurasia, and a heatwave affected the extreme eastern Ukraine. Severe drought and heat affected Tyumen Oblast. In contrast, the Baltic States, Belarus and parts of the Ukraine and central region were wetter than usual. Storms brought hail and a tornado to Tajikistan and Turkmenia and a cyclone hit Uzbekistan in June. The rise in the level of the Caspian Sea caused flooding.

Severe storms hit Moldova in early July. For the month two to thee times the normal precipitation was received on Moldova and the southwest Ukraine causing flooding. Mid-month the first significant rain since April fell on the southern Urals, Kazakhstan and western West Siberia.

August remained wet in Moldova and southwest Ukraine while hot, dry weather continued in the eastern Ukraine, Northern Caucasus, lower Volga and eastern Voronezh. Cooler damper weather developed during the last 10 days.

Milder than normal weather covered much of the country through the season. Experts considered measures to protect property against the rise in the level of the Caspian Sea. A storm caused flooding in Varandey on the Barents Sea at the end of October. There was a poor grain harvest in Kazakhstan due to drought. Drier than normal weather affected southern Ukraine, northern North Caucasus and the southeastern Voronezh. October was considerably milder than normal over the southern Urals and Kazakhstan (anomaly of +5.9°C at Orenburg).

November temperatures were above normal over most of the former USSR and much above normal over Kazakhstan (Balkhash mean: 0.5°C, 5.1°C above normal), central Siberia (Tura: -7.7°C, 6.5°C above normal) and eastern Siberia (Anadyr: -7.7°C, 6.5°C above normal). Precipitation totals were variable with western crop areas receiving below normal totals. In the far east, Vladisvostok totalled only 5mm (17% of normal), while in Tiflis, Georgia, 146mm were recorded (395% of normal).

December mean temperatures were more variable than for November across the former USSR. Central Siberia was warmer than normal (Olenek was 7.1°C above average), as were parts of the south (Balkhash was again 5.0°C above the average). It was much colder than normal over eastern Siberia (6.6°C below normal in Kamenskoje), and western Siberia and the Urals (3.4°C below normal in Salekhard). Two cold snaps covered winter grain areas in the west, as far south as the southern Ukraine and north Caucasus, with minimum temperatures from -15°C to -25°C. Precipitation totals were again variable over the former USSR; highest totals were recorded in south central and southwestern areas (Tashkent, Uzbekistan, totalled 136mm (239% of normal), and Krasnovodsk, Turkmenistan, 48mm (436% of normal).

Over the year as a whole, most of the former USSR was warmer than normal, with a large area centred over the southern Urals and north Kazakhstan, showing the largest positive anomalies in the Northern Hemisphere (see Figure, p. 11); Kustanay and Omsk were 2.6°C and 2.4°C, respectively, above their mean annual temperatures. Annual precipitation totals varied between 198% of normal at Krasnovedsk on the Caspian Sea coast in the far southwest to 49% of normal at Cape Velen on the far eastern Siberian coast.

BRITISH ISLES DAILY WIND AND WEATHER PATTERNS 1588, 1781-86, 1972-1991 AND SHORTER EARLY SEQUENCES (IN 1532, 1570 AND OTHER YEARS, NOTABLY 1688, 1689, 1694, 1697, 1703, 1717, 1783-4, 1791, 1792, 1795, 1822, 1825, 1829, 1845, 1846, 1849, 1850, 1854-5)

H.H. Lamb

This British Isles daily weather type classification was first published by the Meteorological Office in 1972 with definitions of the seven basic types and the rules followed in recognizing hybrid types (Lamb, 1972, q.v.). The complete sequence of daily weather patterns classified, strictly over the "square" 50 to 60°N, 10°W to 2°E, from 1861 to 1971 was included in the same publication in 1972. The classification has been found useful by a great variety of workers and in many connexions (see Murray and Lewis 1966; Murray and Benwell 1970; Jones and Kelly, 1982 and Briffa et al. 1990). Accordingly, it has been very widely quoted in climatic literature, and has become known as the Lamb classification.

The work of classifying the original 111 years was done in a random order of years so as to avoid possible distortions which, it was feared, might creep in through unconscious changes of practice by the author in the course of the long task. The result was already the longest span of years ever covered by such a study of the day-by-day development and variations of the atmospheric circulation. Other similar classifications applied to other parts of the world, even for shorter periods, may, of course, be of great value too (e.g. Baur, F., 1947; Baur, F., Hess, P. and Nagel, H., 1944; van Bebber, J., 1882; van Bebber, J. and Köppen, W., 1895; Bolotinskaja, M.S. and Ryzakov, L., 1964; Dzerdzeerskij, B.L., 1969; Dzerdzeerskij *et al.*, 1946; Evjen, S., 1943; Girs, A.A., 1960, 1963; Hess, P. and Brezowsky, H., 1952, 1969; Newnham, E.V., 1925; Teisserenc de Bort, L., 1881). Recently, classification by computer has become increasingly popular. Barry and Perry (1973) and Yarnal (1993) review all these types of analysis.

The British Isles region is of special interest since it is one of the two sectors of the northern hemisphere where "blocking of the westerlies" is most frequent (Brezowski, 1951; Rex, 1950, 1951). The other sector similarly prone to the development of blocking anticyclones may be broadly described as the Alaska-N.W. Canada sector. Variations in the frequency of westerly wind and other circulation patterns here may therefore provide indications of wider significance.

The present writer experimented with the possibility of recognizing definable circulation pattern types over wider areas (up to the whole northern hemisphere) before deciding upon the definitions used here for the British Isles region (taken as 50 to 60°N, 10°W to 2°E). It seemed necessary to conclude that with the use of any pattern types defined over larger areas subjectivity was bound to enter in through attempts to "force" many days into one or other of such larger-scale types. Even with the types limited to the British Isles region, a significant percentage of days is admittedly unclassifiable: generally about 5% or less of the days in any one year, but in extreme cases, probably always when blocking is particularly frequent, sometimes as many as 8% of the days of a year (28 days) are unclassifiable (e.g. in 1785 and 1981).

Classification of each day's weather map over the region about the British Isles has been continued to the present by the same analyst and has again been much quoted without seeming to arouse suspicions of any creeping change of practice, although, because of constant involvement in other work, there has not been any opportunity to tackle the later years in a random order. Publication of the classification can therefore now be extended to significantly more years than in the original publication (Lamb, 1972). It now includes a very interesting series of six years in the 1780s, mapped by J.A. Kington (1988a,b) and classified jointly by him and the original author. The frequency of westerly days in 1781-6 was found to be very low and unmatched in the original 111-year span, although, curiously, the late 1960s, '70s and '80s have provided the nearest approach to a parallel case.

It has also become possible now to include many shorter fragments of rather earlier circulation history - some of them sequences covering a whole month - from other early years using map analyses performed in the course of studies of great historical storms and of the weather involved in the historic Irish potato famine in the 1840s, which also affected - though less severely - other European countries (Bourke and Lamb, 1984; Lamb, 1988). The storm sequences, whose analysis and other details are set forth in more detail in the author's book (Lamb, 1991), cannot of course be treated for statistical purposes in the same way as the rest of the circulation pattern history here presented, where the great diversity of weather occurred in the order that nature presented it and not in pieces selected by the analyst.

The history presented for the year 1588 may, however, be excepted from this exclusion, since we have as many as sixty days spread over the months from May to late October 1588 here classified. And over that time the storms that afflicted the Spanish Armada were occurring in different parts of our area, not repeatedly in very similar positions. Some of the characteristics of that year can therefore be seen as of more general interest. Notably, it shares with the years here included from the 1780s and 1980s an outstandingly low frequency of westerly days in this part of the world.

Note No.1

For an approach to recognition of a global circulation pattern, the so-called Southern Oscillation may be mentioned. The circulation pattern tendencies associated with different phases of the Southern Oscillation, which is marked by higher pressure respectively in the Indian Ocean or in the South Pacific near Easter Island (Berlage *et al.*, 1960, 1966; Walker and Bliss, 1932, 1937), which Bjerknes (1969) professed to write of as the Walker Circulation and to regard as defined by enhanced uplift over the western or eastern sides of the equatorial Pacific Ocean, is also associated with reversals of the winds in the equatorial stratosphere. Because of its association with different circulation pattern tendencies also over the higher latitudes of both hemispheres these phenomena are probably the nearest we come to observing a circulation type of world-wide coverage. But the phases of the Southern Oscillation are usually identified, and are best identified, by index values, since they allow a great variety of flow patterns over other parts of the world, even though some patterns seem to be favoured or disfavoured.

Note No.2

Brackets around classifications for a number of days in early sequences in these tables indicate that knowledge of the maps for those days is not sufficient to give complete certainty about their classification but the indicators can be accepted as most probable.

ACKNOWLEDGEMENTS

I am indebted to Dr P.D. Jones of the Climatic Research Unit for guiding me as to which references to the more recent numerical/objective classifications (which are certainly desirable in order to provide for continuity and many will think preferable for other reasons) and for writing the statements on their comparisons with the original "Lamb Classification" to go into this report.

REFERENCES

Barry, R.G. and Perry, A.H., 1973: *Synoptic climatology*. Methuen, London.

Baur, F., 1947: *Musterbeispiele europäischer Grosswetterlagen.* Wiesbaden (Dieterich'sche Verlags Buchhandlung).

Baur, F., Hess, P. and Nagel, H., 1944: *Kalender der Grosswetterlagen Europas.* Bad Homburg.

van Bebber, J., 1882: Typische Witterungserscheinungen. *Aus dem Archiv der Deutscher Seewarte, Hamburg,* 5(3), pp.1-45.

van Bebber, J. and Köppen, W., 1895: Die Isobarentypen des Nordatlantischen Ozeans und Westeuropas. *Aus dem Archiv der Deutscher Seewarte,* 18(5), pp.1-27.

Berlage, H.P., 1966: The Southern Oscillation and world weather. *Mededelingen en verhandlingen,* **88.** De Bilt (Kon, Ned. Met. Inst.).

Berlage, H.P. and De Boer, H.J., 1960: On the Southern Oscillation, its way of operation and how it affects pressure patterns in the higher latitudes. *Geofisica Pura e Applicata,* 46, 329-351. Milan.

Bjerknes, J., 1969: Atmospheric teleconnections from the equatorial Pacific. *Monthly Weather Review,* **97**, 163-172.

Bolotinskaja, M.S. and Ryzakov, L., 1964: *Catalogue of macrosynoptic processes according to G. Ja. Vangengejm's classification 1891-1962.* Leningrad (*Arkt. i Antarkt. Nauk Issled Inst.*) (In Russian: English translation in Meteorological Office Library, Bracknell.)

Brezowski, H., Flohn, H. and Hess, P., 1951: Some remarks on the climatology of blocking action. *Tellus,* **3**, 191-4. Stockholm.

Briffa, K.R., Jones, P.D. and Kelly, P.M., 1990: Principal component analysis of the Lamb catalogue of daily weather types: Part 2, Seasonal Frequencies and update to 1987. *Int. J. Climatol.* **10**, 549-563.

Dzerdzeerskij, B.L., 1962: Fluctuations of climate and of general circulation of the atmosphere in extratropical latitudes of the northern hemisphere and some problems of dynamic climatology. *Tellus*, 14, 328-336. Stockholm.

Dzerdzeerskij, B.L., Kurgenskaja, V. and Vitvitskaja, Z., 1946: *Typification of circulation mechanisms in northern hemisphere and characteristics of synoptic seasons.* Moscow (Gidrometeizdat).

Evjen, S., 1943: Om vaertyper. *Naturen*, **3**, 75-82.

Girs, A.A., 1960: *Principles of long-range weather forecasting.* Leningrad (Gidrometeoizdat).

Girs, A.A., 1963: The general distinguishing features of various patterns of atmospheric circulation in the northern hemisphere. Moscow, *Akad. Nauk*, No.6, 15-26 (In Russian: English translation in Meteorological Office Library, Bracknell.).

Hess, P. and Brezowsky, H., 1952: Katalog der Grosswetterlagen Europas. *Berichte des Deutschen Wetterdienstes in der U.S. Zone*, Nr.33. Bad Kissingen.

Hess, P. and Brezowsky, H., 1969: Katalog der Grosswetterlagen Europas. *Berichte des Deutschen Wetterdienstes*, Nr. 113. Offenbach.

Jones, P.D. and Kelly, P.M., 1982: Principal component analysis of the Lamb catalogue of Daily Weather Types: Part 1, Annual Frequencies. *J. Climatol.* **2**, 147-157.

Kington, J., 1988a: *The Weather of the 1780s over Europe.* Cambridge University Press, 166pp.

Kington, J. (Ed.), 1988b: *The Weather Journals of a Rutland Squire, Thomas Barker of Lyndon Hall.* Oakham (Rutland Record Society): *Rutland Record Series*, Vol. 2.

Lamb, H.H., 1972: British Isles Weather Types and a register of the daily sequence of circulation patterns 1861-1971. London, H.M.S.O. for Meteorological Office (*Geophysical Memoirs*, No. **116**), 85pp.

Lamb, H.H., 1988: *Weather, Climate and Human Affairs* (Chapter 10, pp. 164-174). London and New York, Routledge, 364pp.

Lamb, H.H., 1991: *Historic Storms of the North Sea, British Isles and Northwest Europe.* Cambridge University Press, 204pp.

Murray, R. and Benwell, P.R., 1970: PSCM Indices in synoptic climatology and long range forecasting. *Meteorological Magazine* **99**, 232-245.

Murray, R. and Lewis, R.P.W., 1966: Some aspects of the synoptic climatology of the British Isles as measured by simple indices. *Meteorological Magazine* **95**, 193-203.

Newnham, E.V., 1925: Classification of synoptic charts for the North Atlantic for 1896-1910. London, H.M.S.O. for Meteorological Office (*Geophys. Memoir*, No. **26**).

Rex, D.F., 1950, 1951: Blocking in the middle troposphere and its effect upon regional climate. *Tellus*, **2**, 196-201; 275-301; **3**, 3-16. Stockholm.

Teisserenc de Bort, L., 1881: Étude sur l'hiver de 1879-1880 et recherches sur la position des centres d'action de l'atmosphre dans les hivers anomaux. Paris (*Annales du Bureau Central Météorologique de France*, IV, pp.19-60).

Walker, G.T. and Bliss, E.W., 1932: World weather V. *Memoirs of the Royal Meteorological Society*, 4(36), 53-84.

Walker, G.T. and Bliss, E.W., 1937: World weather VI. *Memoirs of the Royal Meteorological Society*, 4(39), 119-139.

Yarnal, B. 1993: *Synoptic Climatology in Environmental Analysis*, Belhaven Press, London.

JANUARY

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1701																												ASE	S	SE	(S)
1737	(C)	(CN)	(CNW)	(NW)	ANW																										
1739																								W	CW	W					
1740											E	E	(NE)																		
1818											(W)	AW	CW	C	CW	C															
1825																									(W)	W	W	A	A	AW	AW
1839					W	CSW	CW																								
1849									(C)	C																					
1850	(W)	(W)	(SW)	(CSW)	(N)	(N)	(N)	(N)	(NE)	(NE)	(NE)	(NE)	(E)	(E)	(E)	(E)	(E)	(SE)	(SW)	(CNE)	(NE)	(N)	(SW)	(SW)	(SW)	(SW)	(SW)	(SW)	(CN)	(E)	(SE)
1855	NW	NW	ANW																												

F E B R U A R Y

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1661																											CSW	C	
1701	(SE)	(SE)	(SE)	(SE)	(SE)	(SE)	(SE)	(SE)	(SE)	(SE)																			
1735															(AW)	W	W	CW	C										
1736																									(CNW)	C	N		
1791																									A	NE	NE	N	
1825	ANW	NW	N	N	A	W																							

M A R C H

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1625								W	(NW)																						
1661	(N)																														
1751							W	CW	C	W																					
1791	AN	A	A	AW	AW	ANW	N	A	A	A	A	A	ASW	W	AW	A	A	A	AW	C	N	NW	N	A	A	C	A	A	A	A	U
1822					(SW)	(W)	(NW)	(W)	(SW)	CSW	NW	(ANW)	(S)																		

A P R I L

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1795																									C	SW	W	C	W	C

M A Y

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1588												A	A	ASE	U	(A)	A	ANW	(ANW)	NW	NW	CNW	NW	N	N	N	AN	AN	ANE	ANE	ANE
1795	C	U	A	A	A	ANE	A	NE	A	ANW	N	AN	AN	NE	U	AN	SE	C	C	A	A	A	ANE	ANE	ANE	ANE	ANE	A	N	N	U

J U N E

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1588	ANE	U	A	A	SW	CSW	CSW	CSW	SW	SW	SW	SW	SW	SW	CSW	(C)	C	U	S	S	S	S	S	S	CS	C	C	C	C	C
1845														A	AS	S														

J U L Y

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1588	CE	NE	NE	N	NW	NW	A	C	C	C	C	C	CE	C	W	U	C	U	U	CSE	CE	CE	CN	N	U	CNE	CNE	N	N	C	C
1829																									E	ANE	A	U	C	CNE	NE
1845			CS	CSW	A	S	S	CSW	W											E	NE	AE	ANE	AE							
1846																												AW	A	AE	E

A U G U S T

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1588	N	A	A	A	AW	W	CW	NW	ASW	SW	SW	CSW	C	SW	SW	W	CW	N	AN	A	CE	SE	SE	S	ASE	S	A	U	A	A	AE
1737														CNE	CNE	N															
1829	AN	ANW	C	CN	U	CN	U																								
1846							CE	C																							

S E P T E M B E R

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1588	AE	A	A	A	A	A	A	A	A	A	A	AS	S	CSW	W	S	SW	SW	SW	CSW	W	W	A	CSW	SW	CSW	S	C	CN	N
1695																			CN	N	N	CNE	N	N	N	NE				
1697																				CW	CN	N	C	CW	CN	CNW	CNW	C	W	NW
1740														(S)	(CSW)	SW	CSW	C	CSW											
1741																		(C)	C	(CSW)	(SW)									
1751										ANW	CNW	NW	(W)																	
1786													C	CW	CNW															
1838				(S/SE)	C	C	C	CNE																						
1845																CSW	SW	W												

O C T O B E R

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1588	N	AN	A	A	A	A	A	A	U	C																CW					
1634																				CW	CNW	W									
1663																														CW	NW
1688																									CNW	CNW	NW	NW	U	CW	NW
1694																													NW	A	N
1697	CNW	CN	CN	NE	NE																										
1702																					(W)	CW	(NW)								
1756				(W)	CW	CW	C	(CN)	(NW)																						
1805																							(A)	(AS)	(S)	(SE)	E	(E)			
1829											(SW)	C	C	N	AN																
1846																				W	CW										
1859																								(E)	C	C	(N)				

N O V E M B E R

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1532												NW																		
1570	NW	NW																												
1689																W	CNW	CNW	NW	N	N	N	CN	CN	CN	CN				
1694	CN	N	CW	(W)																										
1703																												(CSE)	(CS)	(CS)

D E C E M B E R

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1655																				(CE)											
1698																									(S)	(C)	(C)				
1703	C	C	C	C	CSW	C	CSW	C	NW	W	CW	CNW	CW	W	(W)	(AW)															
1717																				W	U	CSW	C	CW	N	U/N	A	A	A	A	A

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1781

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	W	W	W	S	E	ASW	S	W	W	W	W	A	1
2	CW	AW	AW	A	E	S	C	AW	CSW	W	W	ASE	2
3	A	AW	W	A	E	CS	CW	A	SW	A	NW	SE	3
4	A	W	W	A	E	C	W	A	C	A	A	C	4
5	AW	C	AW	CSE	A	C	ASW	A	C	A	C	C	5
6	AW	C	ANW	C	ANE	C	S	A	C	A	C	U	6
7	AW	SW	ANW	C	AE	C	C	E	W	A	CN	SE	7
8	A	SW	AW	CW	AE	C	C	C	AW	A	NW	E	8
9	A	SW	AW	SW	E	CE	C	C	A	A	AW	E	9
10	A	W	A	C	AE	CE	W	C	A	ASW	CW	SE	10
11	AE	W	A	C	CE	C	W	C	A	ASW	CNW	SE	11
12	AE	W	A	N	CSE	CE	W	C	A	NW	NW	SE	12
13	E	W	A	A	C	C	W	C	AE	AW	NW	SE	13
14	E	W	A	W	C	C	A	CW	AS	ASW	CW	CS	14
15	E	W	A	W	CE	C	ANW	C	S	W	CNW	S	15
16	CE	NW	ASE	SW	CE	C	A	C	C	ANW	NW	CSW	16
17	CE	NW	A	U	E	CSW	A	C	CW	A	C	SW	17
18	C	NW	A	S	CE	C	A	U	NW	ANW	N	S	18
19	N	N	AW	W	C	CSE	A	NE	W	NW	A	S	19
20	C	A	ASW	W	E	CE	A	N	W	NW	W	SW	20
21	U	A	AW	W	A	E	A	NW	NW	N	W	SW	21
22	E	N	A	W	AE	U	A	C	NW	N	NW	SW	22
23	E	ANW	A	AW	AE	C	A	C	NW	AN	CS	SW	23
24	C	CNW	A	A	ASE	E	AW	C	NW	A	SW	SW	24
25	C	NW	A	ANW	A	C	W	C	N	A	AW	W	25
26	N	NW	NE	A	A	AE	AW	C	N	A	SW	C	26
27	W	NW	NE	A	A	A	W	C	N	A	C	W	27
28	W	NW	ANE	A	AS	ANW	W	C	N	C	U	W	28
29	W		NE	E	AS	AW	W	C	W	CN	A	CW	29
30	W		NE	E	ASE	AW	ASW	U	CW	N	S	C	30
31	W		ASE		ASE		SW	C		NW		C	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1782

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	SW	A	W	C	E	U	W	C	AW	NW	N	A	1
2	W	W	W	CN	NE	ANW	NW	C	A	C	C	A	2
3	W	C	W	CNW	E	ANW	NW	C	AS	N	C	A	3
4	W	C	AW	C	E	ANW	NW	C	S	A	CN	A	4
5	W	E	W	C	E	ANW	C	CNW	S	U	C	SE	5
6	W	NE	W	C	NE	A	E	C	A	ANE	N	S	6
7	W	ANE	W	NE	A	ASW	CE	C	SE	NE	AN	SE	7
8	W	E	CW	AE	SE	S	U	CN	ASE	A	A	A	8
9	CW	E	N	U	CE	C	W	N	ASE	S	A	U	9
10	A	E	C	N	C	C	NW	NW	AE	CSE	NE	A	10
11	AW	E	C	C	C	C	C	CNW	AE	E	U	A	11
12	AW	E	U	CE	C	C	C	C	AE	NE	SW	SW	12
13	AW	NE	N	CN	W	C	C	C	ANE	A	A	W	13
14	ASW	AE	NE	CN	C	C	C	C	E	A	AW	NW	14
15	AW	A	A	E	C	CW	A	C	SE	AW	W	CNW	15
16	W	A	AN	E	C	ASE	ASE	C	SE	AW	AN	W	16
17	NW	A	AN	E	C	SE	U	CNW	C	A	AN	W	17
18	W	A	NW	E	C	C	A	NW	C	W	N	W	18
19	W	A	N	E	N	AW	A	W	CN	NW	N	W	19
20	W	A	N	E	C	A	A	W	C	NW	A	W	20
21	W	SW	CE	CS	C	A	A	SW	C	NW	A	AW	21
22	W	SW	CE	C	C	A	S	CW	C	W	SW	A	22
23	W	C	NE	CSE	C	A	CSW	W	C	NW	S	W	23
24	W	W	CN	CSE	C	ASE	CSW	CSW	CSW	NW	C	NW	24
25	CW	W	CN	E	W	S	W	W	SW	W	C	ANW	25
26	NW	W	SW	E	W	W	U	W	CSW	AW	A	AW	26
27	C	CW	SW	E	SW	ANW	C	W	CW	AW	S	AW	27
28	C	AW	W	E	C	AW	C	N	CW	CW	C	ANW	28
29	C		W	E	C	W	N	C	W	CN	C	ANW	29
30	NE		W	E	C	W	NW	NW	N	C	U	N	30
31	ANE		C		N		CNW	NW		C		AN	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1783

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	A	W	C	AW	A	ASE	A	A	A	A	C	SW	1
2	A	W	NW	A	NE	SE	CS	CS	ASW	A	CS	S	2
3	AS	W	C	A	A	CSE	SW	C	W	W	SE	S	3
4	SW	SW	U	A	A	C	AW	C	W	W	A	S	4
5	W	W	C	A	A	C	AW	S	NW	CW	SE	S	5
6	W	W	C	A	N	W	AW	C	C	W	SE	A	6
7	NW	C	C	A	A	AW	AW	C	NW	NW	SE	A	7
8	CW	C	C	ASW	A	A	AS	CW	W	NW	SE	A	8
9	CW	C	CW	ASW	SW	A	S	W	CNW	W	A	A	9
10	CW	C	N	S	W	AW	CS	CW	NW	W	A	A	10
11	CW	SW	NE	W	W	C	CS	N	U	A	N	A	11
12	C	C	E	U	CW	C	U	AN	C	SE	N	A	12
13	CW	C	ANE	A	CW	C	SE	A	W	S	C	A	13
14	CW	E	AE	AW	W	C	SE	A	W	A	C	A	14
15	C	A	AE	W	W	C	CSE	AW	W	A	N	A	15
16	N	A	A	ANW	W	C	C	AW	U	A	C	A	16
17	NE	A	A	AW	NW	C	U	ASW	A	A	C	A	17
18	CN	A	A	A	AN	C	ASW	AS	U	AS	W	A	18
19	CN	ANW	A	SW	ANE	C	W	S	CS	SW	C	A	19
20	CE	W	A	W	AE	N	SW	AS	C	SW	C	A	20
21	C	W	S	AN	E	A	CSW	C	CSW	S	CN	ASW	21
22	C	W	U	AN	CNE	A	SW	W	C	W	A	C	22
23	CNW	C	A	NE	NE	ASW	NW	W	C	W	AN	C	23
24	C	CN	ANW	NE	N	A	W	C	AW	W	AN	C	24
25	C	N	C	E	U	AW	W	C	ASW	W	A	CE	25
26	CSW	ANW	C	AE	CE	A	S	C	A	W	A	CE	26
27	C	U	N	E	CNE	A	C	C	A	CW	A	E	27
28	CNW	C	ANW	SE	NE	AW	C	CE	A	W	S	E	28
29	W		A	SE	CNE	A	C	C	A	W	SW	U	29
30	W		W	ANE	C	A	W	C	AE	W	ASW	A	30
31	W		W		A		W	U		C		SE	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1784

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	CSE	ANW	A	N	AN	U	ANW	W	U	A	C	AN	1
2	CS	N	A	C	AN	A	AN	A	AW	A	NW	A	2
3	C	A	SW	CE	AN	AE	A	A	SW	S	SW	NW	3
4	U	AW	CSW	A	A	E	A	A	SW	SE	CSE	NW	4
5	A	N	CSW	AW	ANW	E	A	W	AS	CSE	E	C	5
6	A	N	S	A	A	U	A	W	ASW	SE	E	C	6
7	S	N	CSE	A	ASW	C	A	NW	A	AE	AE	C	7
8	A	N	C	A	W	C	NE	ANW	AS	E	A	CNE	8
9	A	CN	C	N	W	C	ANW	A	AW	E	C	N	9
10	A	N	N	N	W	C	A	C	AW	E	C	N	10
11	A	CN	AN	CNW	ANW	NW	AW	W	A	A	C	NE	11
12	A	CNE	NW	CN	AW	C	W	AW	ASW	A	N	CN	12
13	AW	E	ANE	CN	AW	C	AW	AW	U	A	NW	NE	13
14	W	E	A	C	W	W	ANW	AW	A	A	W	NE	14
15	W	E	A	C	AW	W	A	A	A	A	W	ANE	15
16	C	E	AE	E	A	W	ANW	NW	A	A	W	NE	16
17	CN	E	AE	C	A	W	ANW	N	A	A	CW	A	17
18	CN	A	E	NW	A	W	W	A	SW	A	C	E	18
19	N	A	E	C	A	SW	C	A	S	A	N	AN	19
20	N	S	CN	W	AW	W	NW	AE	C	NW	A	A	20
21	C	S	C	NW	AW	C	W	A	W	AW	A	E	21
22	NE	SW	E	C	AW	C	NW	E	C	NW	AW	NE	22
23	N	W	S	NW	W	NW	NW	N	N	CNW	W	AN	23
24	N	SW	CSE	NW	AW	CN	W	C	SW	N	W	A	24
25	N	W	CE	W	CW	NW	W	CNE	CSW	N	CW	A	25
26	NE	NW	E	W	C	C	CSW	N	C	A	AW	A	26
27	NE	N	NE	CW	W	N	W	A	C	A	ASW	A	27
28	E	ANE	AE	N	W	N	SW	CW	U	A	W	AE	28
29	E	A	AE	A	SW	NW	C	W	E	A	ANE	E	29
30	AN		E	A	SW	AN	C	A	AE	A	U	C	30
31	ANW		ANE		C		CNW	CS		C		E	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1785

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	E	A	A	N	AE	CNW	C	U	C	A	C	NW	1
2	CE	A	A	NE	ANE	NW	C	AE	C	A	C	W	2
3	CE	U	A	A	A	C	NW	CE	SW	C	CW	CNW	3
4	C	NW	AE	AW	AW	C	CNW	C	S	SW	CW	C	4
5	C	CE	AE	A	U	C	NW	C	CSW	CSW	C	U	5
6	N	C	A	A	AW	U	NW	C	C	CSW	CNW	SW	6
7	AW	CN	AE	A	AW	C	N	W	SW	SW	N	CW	7
8	SW	N	AE	A	AW	C	ANW	CW	U	W	AN	W	8
9	SW	NW	E	A	A	W	ANW	N	S	W	A	C	9
10	A	C	A	A	SE	AW	NW	NW	C	W	A	E	10
11	A	SE	A	A	SE	AW	AN	W	CS	W	AW	E	11
12	A	A	NE	AW	ASE	A	U	C	SW	SW	NW	SE	12
13	SE	A	NE	A	A	A	U	C	SW	W	A	C	13
14	SE	ANE	AN	A	AW	AS	C	N	CS	W	A	C	14
15	E	N	ANE	AW	ANW	U	C	NW	C	AW	A	CS	15
16	S	N	ANE	A	NW	NW	C	C	SW	A	A	SE	16
17	SW	CN	A	AS	CN	A	C	C	C	A	A	E	17
18	S	CNE	A	CSW	NW	A	C	N	C	AE	U	A	18
19	S	C	ANW	CW	NW	A	CW	N	SW	A	C	SW	19
20	S	CN	AE	AW	N	ANW	C	N	C	AE	CW	SW	20
21	S	C	N	AW	NW	A	C	NE	C	A	CN	ASW	21
22	SW	C	ANE	ANW	AW	A	CN	N	U	AW	A	A	22
23	SW	U	ANE	NW	AS	A	NW	U	C	A	A	A	23
24	SW	CW	N	A	S	A	CW	C	C	W	A	E	24
25	SW	A	A	A	W	A	C	C	C	NW	W	CE	25
26	AS	SE	N	A	AW	A	C	N	NW	NW	W	CE	26
27	W	SE	NE	A	C	A	C	ANW	NW	NW	NW	AE	27
28	W	SE	N	A	C	ASE	C	A	AN	W	C	ANE	28
29	NW		NE	A	N	SE	C	S	A	NW	C	E	29
30	C		N	ANE	AN	A	C	CSW	U	W	N	E	30
31	N		N		NW		C	W		C		E	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1786

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	NE	NW	E	SE	N	A							1
2	N	N	E	SE	C	A							2
3	U	A	E	E	C	A							3
4	C	W	E	E	C	A							4
5	CS	W	SE	E	C	A							5
6	C	W	E	E	C	A							6
7	C	W	NE	C	E	AN							7
8	C	NW	A	C	CE	A							8
9	C	NW	A	NE	CE	AE							9
10	C	W	W	A	C	AE							10
11	C	W	W	A	C	AE							11
12	C	CNW	W	ASW	C	AE							12
13	C	AW	ANE	SW	CW	E							13
14	C	W	U	SW	U	E							14
15	CE	A	C	A	SW	E							15
16	C	AS	C	A	W	E							16
17	N	W	C	A	W	CE							17
18	AW	A	C	NE	NW	E							18
19	ASW	S	C	E	AN	CE							19
20	SW	S	C	CSE	NW	C							20
21	SW	SE	C	C	W	C							21
22	W	SE	CSW	C	W	C							22
23	W	SE	C	C	W	C							23
24	SW	SE	C	C	W	CW							24
25	W	E	CW	E	AW	CNW							25
26	W	E	N	E	ASW	C							26
27	W	E	AN	NE	A	C							27
28	W	E	A	ANE	A	W							28
29	W		A	NE	AW	W							29
30	W		A	NE	A	W							30
31	W		E		A								31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1972

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	AE	S	C	W	C	W	W	CN	A	C	U	W	1
2	E	S	SW	W	C	W	W	N	A	E	AW	CW	2
3	E	S	C	W	N	W	W	A	AN	A	AW	W	3
4	E	S	SW	CW	NE	S	C	C	A	A	AW	CW	4
5	U	SE	C	CW	CE	C	CW	W	A	A	W	CW	5
6	SE	C	C	CW	C	CS	W	SW	A	E	W	SW	6
7	SE	C	C	C	C	C	W	CSW	W	S	W	C	7
8	S	CSW	E	CN	S	C	W	C	U	ASW	AW	C	8
9	SE	SW	SE	W	CS	C	W	CW	C	W	W	W	9
10	S	SW	AE	C	W	CN	W	AW	NW	C	W	CW	10
11	CS	SW	A	C	C	C	AW	A	NW	ANE	NW	SW	11
12	S	C	A	NW	C	C	A	S	ANW	A	C	SW	12
13	C	C	ASE	CW	NE	N	A	A	CNW	A	CN	SW	13
14	S	AW	S	C	NE	A	A	A	ANE	A	N	SW	14
15	S	C	AS	ANW	N	AN	A	A	A	A	AW	S	15
16	CS	C	ASE	A	A	ANW	A	AW	ANW	A	C	S	16
17	C	E	ASE	ANW	A	W	A	NW	AN	ANE	N	SE	17
18	U	E	ASE	AN	C	W	AE	ANW	AN	A	A	AS	18
19	W	A	U	ANE	CS	W	ANE	A	ANE	ANE	CS	A	19
20	W	U	A	A	S	W	A	ANW	A	N	C	A	20
21	W	U	A	AN	S	W	ANE	ANW	AW	ANW	C	A	21
22	W	A	A	ANE	S	W	AE	A	A	NW	NW	A	22
23	W	A	A	ANE	S	NW	C	A	A	NW	N	W	23
24	W	AE	A	AE	SW	W	N	A	AE	AW	A	A	24
25	W	SE	U	A	W	SW	AN	A	A	ASW	ANW	S	25
26	C	S	W	AN	C	SW	A	A	A	S	A	S	26
27	N	S	NW	AN	N	C	A	AE	A	S	W	SE	27
28	AE	SW	NW	W	W	C	A	AE	A	W	W	C	28
29	AE	SW	W	C	CW	AS	A	AE	A	SW	W	U	29
30	E		CW	C	C	SW	C	A	S	SW	W	A	30
31	SE		CW		NW		C	A		U		ASW	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1973

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	ASW	ANW	W	W	NW	W	SW	A	W	A	S	E	1
2	W	A	W	C	A	SW	ASW	W	W	A	S	A	2
3	A	A	W	AW	E	CW	A	CW	W	A	S	NW	3
4	A	AW	W	W	C	A	A	CW	SW	AE	C	NW	4
5	A	W	W	W	C	A	A	C	A	E	N	W	5
6	A	W	NW	CNW	C	A	C	C	AW	C	ANW	NW	6
7	A	W	AW	N	C	A	ANW	W	A	U	AW	C	7
8	A	CW	A	N	NW	A	A	AW	A	AW	W	N	8
9	A	NW	A	N	W	NW	A	W	A	W	W	A	9
10	A	NW	A	N	NW	NW	W	CW	ANE	U	C	W	10
11	AS	W	A	N	ANW	AW	NW	A	A	ANE	NW	W	11
12	AS	W	AE	N	AW	CW	A	A	A	A	W	NW	12
13	CSE	NW	A	NW	W	NW	W	A	A	E	NW	NW	13
14	S	C	A	ANW	AN	A	C	A	A	CE	NW	N	14
15	C	C	A	ANW	A	AS	CE	AE	ASE	CE	NW	A	15
16	U	A	A	ANW	ASE	AS	C	U	S	NE	N	NW	16
17	A	U	A	A	E	W	C	NW	C	N	A	NW	17
18	A	A	AN	AN	SE	A	NW	A	C	NW	W	W	18
19	S	NW	A	N	CE	CW	C	U	C	C	AN	SE	19
20	C	AW	A	N	E	CNW	C	A	N	C	A	CE	20
21	C	NW	A	CN	E	A	CN	AE	NW	ANW	A	C	21
22	W	NW	A	CNE	CSE	A	CNW	ASE	N	AW	U	C	22
23	W	NW	ASW	E	C	A	CNW	A	N	A	AW	C	23
24	ASW	CN	SE	E	U	A	NW	A	U	A	CNW	E	24
25	AW	U	CW	ANE	A	A	N	A	U	A	N	A	25
26	CW	U	AW	A	AS	A	AN	A	W	A	AN	W	26
27	NW	A	AS	N	SE	A	AN	W	CW	S	A	W	27
28	ANW	AW	U	CN	C	U	AN	A	CW	A	C	W	28
29	AW		A	C	CS	W	A	W	CNW	A	N	W	29
30	W		W	C	C	ASW	A	NW	N	A	U	W	30
31	NW		W		N		A	W		ASE		A	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1974

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	A	CS	C	E	C	AW	C	NW	C	AN	C	W	1
2	S	CSW	NW	CSE	C	W	C	NW	C	CN	SW	W	2
3	S	CW	N	A	E	AW	CNW	A	C	NE	C	ASW	3
4	S	W	E	A	E	A	CW	U	W	N	U	W	4
5	S	C	E	A	NE	U	C	A	W	N	A	NW	5
6	SW	C	S	A	AE	CNW	U	AS	W	C	U	W	6
7	SW	U	AS	AE	A	W	AW	S	C	CN	SW	W	7
8	C	W	SE	AE	AS	NW	ASW	C	W	N	W	W	8
9	U	CW	E	AE	S	NW	W	C	W	N	CW	W	9
10	SW	SW	E	C	CS	NW	W	C	ASW	N	W	W	10
11	SW	C	E	CE	CS	NW	CW	W	S	N	CW	N	11
12	SW	CW	CE	E	S	A	W	C	S	ANW	W	NW	12
13	SW	C	E	AE	S	A	CN	ASW	W	A	S	NW	13
14	W	W	U	A	A	A	W	CSW	ASW	A	C	W	14
15	W	C	W	ANE	ASE	ANE	C	CSW	C	U	CW	W	15
16	C	C	C	A	S	A	C	W	AW	C	U	W	16
17	W	U	W	A	S	C	NW	NW	W	U	U	NW	17
18	W	A	W	A	S	W	NW	AN	A	W	CNE	NW	18
19	AW	A	C	A	A	ASW	W	A	A	CW	A	AW	19
20	AW	A	C	A	AW	AS	NW	A	AW	NW	C	W	20
21	ASW	W	A	A	W	ASE	W	A	W	N	C	SW	21
22	SW	W	ASE	A	CNW	AE	W	AW	W	N	C	SW	22
23	W	ANW	E	ANE	N	E	W	SW	C	AN	C	SW	23
24	W	A	E	ANE	N	E	NW	W	C	NW	C	W	24
25	W	A	E	ANE	AN	E	W	W	C	NW	NW	W	25
26	W	A	E	AE	A	NE	W	W	NW	NW	W	W	26
27	SW	A	E	E	NW	NE	W	AW	C	NW	NW	W	27
28	SW	S	E	E	CNW	U	W	AS	N	N	NW	W	28
29	SW		A	C	AN	C	W	CSE	N	N	W	NW	29
30	SW		A	U	A	CSW	CW	CE	N	AN	W	AW	30
31	SW		A		U		CW	CSE		C		AW	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1975

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	W	AW	S	N	W	N	A	A	A	CSW	CW	C	1
2	ASW	A	S	N	AW	C	A	A	A	C	CW	CN	2
3	W	A	CS	N	A	CN	A	A	NW	CNW	W	NW	3
4	AW	ASE	C	N	A	A	NE	SE	NW	W	AW	ANW	4
5	AW	A	C	CN	A	S	AN	S	NW	W	CW	ANW	5
6	W	AE	W	A	E	S	A	S	C	ANW	NW	A	6
7	NW	AE	W	N	AE	A	AE	A	A	A	A	ANW	7
8	W	E	C	N	CNE	ASE	CE	CE	W	A	A	A	8
9	W	ASE	C	N	CN	E	C	C	W	A	A	A	9
10	SW	SE	CN	CNW	N	A	C	U	W	NE	E	A	10
11	SW	SE	ANE	NW	U	A	C	A	C	A	SE	A	11
12	SW	C	AE	NW	C	A	CSW	C	C	A	E	N	12
13	SW	C	AE	W	C	ANW	S	A	N	A	E	A	13
14	SW	SE	ANE	C	C	NW	S	U	CN	CS	A	A	14
15	CSW	ASE	N	C	NE	CN	C	C	ANW	C	C	A	15
16	SW	S	AE	W	U	CN	U	C	U	C	N	AN	16
17	C	W	AE	SW	A	CNW	C	CNW	W	A	N	ANE	17
18	C	A	AE	S	A	SW	A	A	C	AE	ANW	A	18
19	W	A	AE	C	A	SW	S	SW	AS	ASE	NW	A	19
20	W	A	AE	W	ANE	A	W	W	W	SE	AN	A	20
21	W	A	A	SW	ANE	AE	W	W	AW	E	A	AW	21
22	W	S	CW	U	ANE	A	W	NW	ASW	SE	AW	AW	22
23	W	AS	NW	A	AN	A	CW	W	W	S	SW	W	23
24	W	AS	N	A	ANE	A	NW	W	W	ASW	W	NW	24
25	C	ASE	ANW	A	AE	A	AW	A	C	A	W	NW	25
26	W	ASE	U	A	AE	AN	AW	A	U	ASW	W	ANW	26
27	C	A	CNE	A	E	ANE	A	A	C	ASW	C	AW	27
28	C	AS	CN	A	NE	A	A	A	W	AS	CW	W	28
29	W		N	W	NE	A	A	U	S	S	W	W	29
30	SW		N	W	N	A	A	NE	CS	S	W	W	30
31	W		N		NE		A	A		S		W	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1976

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	C	AE	A	C	AW	C	ASE	NW	N	CE	W	C	1
2	C	E	A	CN	W	AN	AE	NW	N	C	W	CNW	2
3	NW	E	AS	W	CW	A	E	ANW	NW	W	W	C	3
4	AW	AE	S	W	U	A	AE	ANW	NW	CW	W	CN	4
5	W	E	SE	NW	E	AW	A	A	A	SW	W	W	5
6	AW	SE	SE	NW	A	AW	E	A	A	W	CS	SW	6
7	W	S	E	N	A	A	E	A	A	CW	CSW	C	7
8	W	W	E	A	A	S	E	A	C	A	S	CW	8
9	W	W	A	A	A	W	C	A	CN	U	U	NW	9
10	NW	W	ASW	AW	NW	AW	A	A	C	S	C	ANW	10
11	NW	NW	W	U	CW	ASW	AS	A	C	C	C	A	11
12	AW	C	C	A	C	AW	S	A	CN	C	CNE	A	12
13	AW	U	CE	U	W	AW	CS	A	CNW	W	A	A	13
14	ANW	A	U	CN	ASW	AW	SW	A	C	C	U	ASE	14
15	A	A	C	A	SW	A	SW	AE	CNE	C	ASW	ASE	15
16	AW	A	C	A	SW	A	C	A	U	C	ANW	SE	16
17	A	SE	A	A	SW	A	AW	A	C	CS	U	SE	17
18	AW	S	U	A	C	W	U	A	SE	C	U	E	18
19	W	S	ASE	AE	C	CW	W	A	S	C	A	SE	19
20	W	S	S	AE	C	U	NW	A	S	C	A	E	20
21	NW	S	S	AE	W	A	NW	A	S	SW	AN	C	21
22	CNW	S	U	E	ASW	AS	ANW	E	CSE	S	N	SE	22
23	NW	SW	A	ANE	A	ASW	ANW	SE	E	C	AN	SE	23
24	N	W	A	NE	S	A	NW	E	E	S	ANW	E	24
25	N	W	W	ANE	C	A	NW	A	E	U	AW	ANE	25
26	NW	AW	W	NE	U	A	A	ANE	SE	C	CW	A	26
27	U	A	W	ANE	A	A	A	ANE	SE	E	W	N	27
28	CS	SW	AW	A	SE	A	AN	AE	CSE	E	W	N	28
29	S	SW	W	A	C	A	ANW	E	C	E	W	U	29
30	E		W	A	C	A	N	C	CE	ANE	C	CS	30
31	E		CW		U		N	NW		A		C	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1977

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	C	W	S	CW	CNE	A	AW	A	W	NW	W	A	1
2	A	SW	SW	NW	NE	A	AS	AW	W	NW	C	ASE	2
3	A	W	W	N	C	A	A	W	AW	W	CW	SE	3
4	AW	W	W	AN	C	NW	ASE	C	AW	W	W	SE	4
5	W	W	AW	ANW	C	N	AE	N	W	C	W	SE	5
6	A	W	AS	N	W	C	AE	A	CW	CE	W	CE	6
7	ANW	C	SW	N	C	CN	ANE	U	AW	E	SW	CE	7
8	NW	U	S	CN	U	U	NE	A	U	CSE	W	C	8
9	CN	S	W	N	C	NE	NE	A	AW	C	W	CS	9
10	CN	C	S	NW	CW	C	ANE	A	W	W	SW	S	10
11	CN	C	W	NW	C	C	ANE	AE	W	AS	W	C	11
12	C	C	SW	NW	C	C	NE	E	ANW	SW	NW	W	12
13	C	CS	CS	NW	N	NE	N	E	A	AS	NW	W	13
14	C	C	U	AN	A	NE	ANE	E	A	S	NW	AW	14
15	CN	U	S	A	E	ANE	A	E	AN	S	NW	A	15
16	A	C	S	U	NE	ANE	W	CE	NE	S	N	A	16
17	A	C	S	NE	A	ANE	C	E	NE	S	N	A	17
18	S	C	C	A	A	N	C	CNE	AE	S	ANW	U	18
19	SW	C	C	A	A	N	CW	C	ANE	S	W	A	19
20	CS	C	CNE	AW	AE	ANE	NW	C	ANE	S	CN	S	20
21	CS	C	E	W	A	AN	W	NE	ANE	S	N	S	21
22	CS	C	E	C	A	AE	W	NE	AE	S	NW	S	22
23	C	CE	E	C	AE	A	W	A	ASE	SW	NW	CSW	23
24	S	CE	U	CW	AE	U	CW	CS	SE	W	N	W	24
25	C	U	A	W	E	W	N	C	S	AW	AN	AW	25
26	C	A	ASE	W	E	NW	N	C	W	ASW	A	W	26
27	C	AE	CNE	W	AE	W	NW	N	U	W	A	NW	27
28	U	A	AN	CW	A	W	N	A	CW	W	A	N	28
29	A		A	C	N	NW	A	W	W	SW	A	NW	29
30	A		A	C	ANE	W	ANW	C	W	SW	A	NW	30
31	U		SW		A		A	W		W		NW	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1978

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	AW	C	C	C	CE	S	W	CE	AN	A	SW	SE	1
2	W	U	CS	E	E	A	W	C	A	A	W	SE	2
3	NW	W	C	E	E	ASE	CNW	C	A	W	SW	SE	3
4	A	SW	AN	E	E	SE	N	C	A	AW	SW	U	4
5	W	W	A	AE	NE	S	CN	C	U	W	SW	SE	5
6	SW	CNW	AS	A	CNE	W	N	C	CS	ASW	S	SE	6
7	W	U	ASW	A	U	W	NW	N	U	S	CS	SE	7
8	A	E	W	A	E	NW	NW	N	W	S	W	C	8
9	W	AE	AW	N	ANE	NW	W	N	W	C	A	S	9
10	W	NE	AW	N	A	NW	A	A	W	C	U	S	10
11	C	CE	ASW	N	A	NW	AE	A	W	CS	AS	S	11
12	A	NE	W	C	CNW	AN	E	U	AW	S	W	S	12
13	A	N	SW	C	CNW	AE	A	W	AW	ASE	W	C	13
14	A	U	C	N	C	A	AN	SW	W	U	W	C	14
15	A	A	C	A	C	C	AN	CW	W	C	C	C	15
16	C	CE	C	A	A	CE	AN	W	AW	NW	W	N	16
17	C	E	N	A	ASE	NE	A	AW	ANW	NW	SW	A	17
18	CW	AE	W	U	E	A	NW	AS	A	NW	W	A	18
19	C	E	W	CS	E	NW	NW	S	A	AW	W	A	19
20	C	E	W	C	A	CW	N	W	A	ANW	W	E	20
21	SW	SE	NW	C	A	C	W	AW	A	AW	W	CE	21
22	W	SE	W	AS	A	C	SW	W	AW	NW	W	SE	22
23	C	S	CNW	ASE	N	C	SW	A	AW	AW	W	SE	23
24	C	S	W	E	AN	N	W	A	W	W	W	C	24
25	W	S	W	E	A	NW	S	AN	W	AW	NW	C	25
26	CNW	CS	CW	CE	A	NW	SW	A	W	ANW	A	C	26
27	C	S	W	C	A	W	S	AN	NW	A	ANE	SE	27
28	C	S	SW	CE	A	W	SW	A	W	A	A	C	28
29	CN		SW	E	A	NW	A	AN	CNW	A	A	C	29
30	A		SW	CE	ASE	CW	CNE	AN	CNW	ASW	A	CE	30
31	CW		S		AE		CNE	NW		W		E	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1979

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	A	C	W	W	CN	A	NW	C	S	CS	W	W	1
2	A	A	W	C	N	AE	ANW	C	W	SE	AW	W	2
3	S	ANW	W	C	N	E	A	N	W	C	W	W	3
4	U	U	W	CN	NW	C	A	A	AW	C	W	W	4
5	A	A	W	N	N	C	A	SW	AS	C	NW	CW	5
6	U	A	W	C	CW	C	AW	SW	SW	SE	NW	ASW	6
7	W	C	W	C	C	C	W	CW	S	S	CW	C	7
8	W	ANE	W	C	C	C	W	CW	C	S	CW	S	8
9	W	E	W	E	U	A	AW	C	U	S	NW	C	9
10	C	E	W	E	A	A	A	W	A	S	W	C	10
11	N	E	W	C	U	A	A	A	AW	S	C	C	11
12	A	CE	ANW	C	AW	U	A	SW	W	S	U	U	12
13	A	CE	CN	CS	ASW	NW	NW	SW	NW	E	U	CSW	13
14	AS	E	CNE	E	ASW	CNW	W	C	ANW	CNE	C	C	14
15	S	AE	NE	NE	A	CNW	A	W	A	NE	C	C	15
16	U	E	CNE	A	C	ANW	AW	C	ASW	AN	C	W	16
17	ANE	E	C	A	C	A	AW	C	W	A	W	C	17
18	E	U	CE	A	C	A	NW	U	W	AW	NW	NW	18
19	E	A	U	AW	A	A	NW	N	W	W	U	N	19
20	C	SE	CW	W	CS	A	NW	CW	C	A	A	AN	20
21	SE	U	C	NW	C	CW	NW	NW	N	A	A	A	21
22	E	A	NW	W	S	W	NW	CW	A	U	AW	A	22
23	CNE	A	A	C	C	W	NW	C	NW	SE	W	C	23
24	N	A	AS	CN	CSW	C	AW	C	A	S	AW	W	24
25	C	A	C	N	C	NW	U	C	W	S	CSW	ASW	25
26	CN	A	C	N	C	W	A	NE	W	CE	AW	SW	26
27	W	W	C	ANW	C	W	AS	A	A	E	A	C	27
28	C	W	CN	NW	S	W	CSW	A	A	U	SW	C	28
29	C		CN	NW	CSW	NW	CW	A	A	W	SW	CNW	29
30	C		N	N	C	NW	C	A	SE	W	W	N	30
31	CW		NW		C		C	S		W		A	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1980

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	ANE	U	A	CW	E	W	CN	S	A	W	S	A	1
2	A	C	AN	ANW	E	AW	A	ASE	U	A	E	N	2
3	SW	C	A	A	E	A	W	S	U	A	E	N	3
4	W	C	A	A	E	AS	C	C	SW	A	AE	N	4
5	CNW	C	C	A	E	U	C	C	W	AW	AE	NW	5
6	CN	CE	C	A	E	C	C	C	W	CW	E	N	6
7	U	C	C	ANW	CNE	CN	C	CE	SW	CW	E	A	7
8	SE	S	CN	N	A	C	CNE	AE	W	NW	E	A	8
9	C	C	W	NW	A	E	N	A	W	NW	NE	SW	9
10	A	W	C	ANW	ASE	E	N	ASW	C	C	A	SW	10
11	A	AW	W	A	SE	CNE	NW	C	W	CNE	N	W	11
12	A	S	W	S	CSE	CNE	NW	C	C	A	N	SW	12
13	A	CSW	CNW	U	SE	CE	C	SW	CW	U	AW	W	13
14	N	W	U	A	SE	C	C	S	U	C	SW	C	14
15	AN	A	E	U	ASE	C	N	C	S	NE	C	CNW	15
16	A	W	A	A	A	CSW	A	U	SW	CNE	C	W	16
17	A	SW	C	NW	AE	C	W	SW	S	CN	C	W	17
18	A	C	CE	NW	A	W	C	NW	W	N	U	W	18
19	CS	U	E	N	A	W	C	ANW	S	A	S	W	19
20	CS	C	NE	N	CN	CNW	CN	W	U	A	SW	C	20
21	C	S	CNE	ANW	NE	CW	AW	NW	C	S	SW	U	21
22	C	C	C	NW	AN	CW	ASW	ANW	CS	C	SW	W	22
23	C	U	SE	NW	AN	C	SW	A	SW	C	SW	CW	23
24	C	A	CS	A	AN	C	A	A	AW	C	C	CW	24
25	U	U	S	A	NW	N	S	A	A	A	C	W	25
26	ANE	A	S	A	C	N	C	ASE	A	S	NW	CNW	26
27	A	A	C	A	C	NW	C	U	U	SW	NW	A	27
28	S	A	C	A	CN	C	SE	SW	A	CW	N	W	28
29	S	A	C	ANE	CN	N	CE	C	A	AW	A	W	29
30	C		AW	AE	C	C	C	C	A	A	A	W	30
31	C		SW		C		S	A		SE		W	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	NW	AW	C	A	N	AS	W	AN	AE	C	W	A	1
2	NW	W	C	A	N	S	C	A	A	C	ASW	ANW	2
3	NW	CW	CNE	AE	C	SW	C	A	A	C	W	ANW	3
4	N	NW	A	A	CN	W	SW	A	A	CN	A	N	4
5	NW	NW	A	AE	U	SW	SW	A	A	C	A	CNW	5
6	CNW	W	SW	A	C	CW	SW	A	A	C	A	NW	6
7	A	W	W	A	S	CSW	ASW	A	CS	CW	A	NW	7
8	AW	C	CW	A	CS	C	U	A	W	C	A	CN	8
9	NW	C	W	A	E	C	U	A	ASW	C	A	CN	9
10	AN	N	SW	A	CE	C	U	A	S	CW	AW	W	10
11	A	A	W	CS	CE	C	C	A	SW	NW	CW	CNE	11
12	N	AS	W	U	C	A	C	A	S	NW	NW	A	12
13	NW	A	C	ANE	C	ASW	W	U	C	NW	ANW	U	13
14	NW	A	CN	AE	U	AW	NW	ANW	A	U	AW	C	14
15	NW	A	N	AE	S	NW	W	ANW	U	N	ASW	C	15
16	CW	A	N	AE	CSE	NW	W	AN	AW	A	W	CE	16
17	C	A	N	AE	C	N	NW	A	SW	A	W	E	17
18	U	A	NW	AE	CS	A	NW	AW	C	U	CW	A	18
19	NW	A	C	NE	CS	CNW	W	CW	C	W	W	A	19
20	U	A	C	ANE	S	N	W	N	C	NW	CW	S	20
21	W	U	C	N	CS	A	W	NW	W	N	W	CSE	21
22	AW	C	C	N	CS	A	NW	NW	W	N	W	CE	22
23	A	CE	C	U	S	A	C	A	W	NW	W	E	23
24	AW	A	C	C	SW	N	CNW	A	SW	W	NW	U	24
25	ANW	A	S	C	C	N	W	A	CS	CNW	AW	A	25
26	AW	SE	W	CNE	C	N	W	A	C	W	W	S	26
27	A	SE	S	NE	C	N	ANW	A	C	W	W	S	27
28	A	CS	S	NW	C	N	A	A	C	CW	NW	SE	28
29	A		U	NW	S	NW	A	U	SW	CW	AW	CSE	29
30	A		U	NW	S	NW	A	E	C	W	C	SE	30
31	A		U		S		A	AE		CW		SE	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	C	ASW	CW	E	NW	S	SW	C	W	S	CSW	A	1
2	S	S	W	SW	W	A	C	CE	AW	SW	A	A	2
3	U	S	C	S	C	ASE	CNW	CE	W	U	A	A	3
4	C	S	NW	SE	NW	SE	CW	C	U	C	S	U	4
5	C	S	AW	SE	C	SE	W	C	CSE	C	S	AW	5
6	U	SW	W	C	C	C	C	C	U	CNE	S	A	6
7	A	W	U	C	U	A	AW	A	W	N	SE	U	7
8	CE	W	SW	N	A	A	A	W	AW	NE	C	C	8
9	A	SW	SW	ANW	A	E	C	W	A	N	CW	C	9
10	A	SW	C	NW	A	E	U	AW	A	C	W	C	10
11	ANE	SW	W	N	AE	C	A	ASW	A	C	SW	C	11
12	A	SW	C	AN	A	C	AE	W	W	C	W	C	12
13	A	SW	W	A	ASE	N	E	W	A	C	W	U	13
14	A	ASW	W	A	SE	ANE	CE	W	A	CN	C	W	14
15	S	A	CSW	A	CSE	U	C	C	A	W	NW	W	15
16	S	A	C	A	S	C	W	W	A	S	W	W	16
17	SW	AE	CNW	A	U	AE	AW	W	A	S	W	CNW	17
18	S	SE	U	A	U	C	A	C	A	SW	W	W	18
19	S	ASE	C	A	S	U	A	W	C	SW	W	W	19
20	S	SE	C	A	C	A	A	NW	CS	W	W	CW	20
21	CSW	U	U	A	S	E	A	W	C	W	CSW	N	21
22	C	U	AW	A	SW	CE	AN	CW	W	C	SW	NW	22
23	W	A	A	ANW	C	C	A	CW	SW	U	C	W	23
24	W	U	A	A	W	U	AN	W	SW	W	C	W	24
25	W	W	A	A	SW	SE	ANW	W	S	A	C	W	25
26	U	SW	A	A	U	C	ANW	W	C	SW	C	W	26
27	A	ASW	A	A	U	C	A	W	C	ASW	C	W	27
28	NW	W	A	ANW	AW	C	A	W	SW	AS	CNW	AW	28
29	NW		N	NW	A	W	A	ASW	U	S	A	ASW	29
30	NW		A	NW	A	W	U	W	A	S	A	ASW	30
31	AW		A		U		E	W		CS		W	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	W	C	A	NE	C	C	W	CN	C	S	W	S	1
2	W	NW	S	N	C	C	W	NW	C	SW	A	ASW	2
3	CW	A	W	W	C	U	AW	A	C	SW	A	A	3
4	W	W	A	C	U	U	A	AW	C	SW	A	SW	4
5	W	A	AW	C	SE	ANE	A	A	C	W	A	W	5
6	W	N	AW	C	C	A	A	A	AW	AW	A	A	6
7	W	N	AW	C	C	SE	E	A	A	W	S	A	7
8	W	A	A	C	C	C	SE	A	C	W	CS	CW	8
9	W	A	A	C	C	W	A	A	C	W	E	C	9
10	W	N	AW	C	C	AW	AE	A	C	W	E	U	10
11	SW	AN	A	C	C	W	AE	A	N	W	E	A	11
12	W	A	S	N	C	W	ANE	NW	N	SW	SE	U	12
13	W	A	S	AW	C	W	AN	ANW	C	SW	A	SW	13
14	NW	A	SW	AW	CS	C	A	A	S	W	A	SW	14
15	NW	AE	W	A	S	A	AW	SW	C	SW	A	CS	15
16	NW	E	W	W	SE	A	U	U	C	C	AN	SE	16
17	W	ASE	W	CW	CSE	A	C	A	W	W	AN	SE	17
18	NW	A	C	CN	C	A	NW	AS	SW	W	A	SE	18
19	ANW	A	U	CN	C	A	A	SE	W	W	A	C	19
20	AW	AE	W	C	C	AE	A	CE	W	A	N	C	20
21	AW	ASE	W	C	N	AE	A	C	C	A	ANE	C	21
22	ASW	SE	CNW	C	W	A	A	A	AS	A	A	C	22
23	AS	SE	C	C	U	N	C	C	S	A	A	U	23
24	SW	S	N	SE	U	A	C	A	U	A	S	S	24
25	W	S	NW	CSE	A	A	U	A	A	A	SW	C	25
26	W	U	U	E	AN	NW	A	A	ASW	AW	C	W	26
27	W	CW	C	E	N	NW	AN	A	A	W	C	W	27
28	W	W	N	C	CN	NW	A	A	E	AN	C	AW	28
29	W		W	C	CN	NW	ANW	A	E	A	U	AW	29
30	W		W	E	E	AN	A	A	E	AW	A	AW	30
31	C		C		E		A	S		W		W	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	W	CW	W	AE	E	SE	A	U	U	C	SW	C	1
2	W	C	CN	AE	E	CS	AN	C	C	CS	C	C	2
3	CW	W	ANW	AE	U	C	AN	C	C	C	CN	S	3
4	W	W	AW	SE	U	CSE	A	CE	N	C	N	S	4
5	W	W	A	A	ANE	C	A	W	AN	CN	ANE	S	5
6	W	W	A	CN	ANE	C	A	W	A	W	E	SW	6
7	NW	W	A	NE	ANE	NE	A	CNW	A	W	E	SW	7
8	NW	CNW	A	AN	A	N	S	A	W	W	C	AW	8
9	W	AW	A	A	A	CN	SE	A	C	W	C	A	9
10	W	AW	AN	A	CN	A	CS	AN	NW	W	U	A	10
11	C	A	C	W	ASE	A	S	A	W	AW	S	A	11
12	W	ASE	C	AW	A	AW	W	ANE	AW	ASW	SW	S	12
13	C	A	E	ASW	A	W	W		SW	ASW	S	C	13
14	C	A	E	CW	A	AW	W	A	C	ASW	C	C	14
15	W	A	E	CNW	U	A	NW	A	A	A	C	C	15
16	C	AS	E	ANW	CN	A	ANW	A	U	ASW	E	C	16
17	CW	S	A	A	CNE	A	ANW	A	C	SW	CE	C	17
18	C	S	A	ASW	N	A	AN	ASW	U	C	CE	W	18
19	U	SE	A	ASW	A	A	A	A	W	C	C	W	19
20	A	C	A	ASW	C	A	A	ASE	CW	CNW	C	W	20
21	SE	C	SE	AW	N	W	A	E	C	W	C	AW	21
22	W	C	SE	A	C	CW	A	E	C	CW	C	SW	22
23	C	U	CSE	A	CNE	NW	A	C	CN	W	CSW	CSW	23
24	C	A	C	ASE	N	NW	A	E	N	C	CW	W	24
25	U	A	C	AE	N	NW	A	AE	U	C	CW	W	25
26	E	A	C	AE	AN	ANW	A	A	U	W	AW	C	26
27	CE	A	C	ASE	AN	ANW	ANW	A	S	ASW	SW	U	27
28	C	A	C	ASE	N	N	AW	AW	S	S	SW	AS	28
29	SW	A	N	SE	A	N	SW	W	CS	SW	S	A	29
30	W		CN	SE	A	AN	C	W	C	SW	CS	U	30
31	W		ANE		S		C	W		S		ANW	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	AN	W	C	C	NW	A	AW	W	C	SE	N	SE	1
2	A	W	C	U	CN	A	A	W	C	SE	N	SE	2
3	ANE	AS	C	SE	N	AE	A	W	C	SE	A	CSW	3
4	ANE	A	C	SE	C	U	U	C	C	SW	CS	SW	4
5	NE	SE	W	SE	C	NE	C	C	U	SW	C	C	5
6	N	E	SW	C	C	NE	W	W	A	SE	W	C	6
7	ANE	E	AW	C	A	N	A	W	AW	SW	C	C	7
8	AN	E	A	C	U	W	U	W	A	W	SE	C	8
9	N	E	ASW	C	N	CW	ANW	SE	A	W	C	C	9
10	A	E	A	C	AN	NW	AW	SW	A	SW	N	U	10
11	A	E	A	C	A	C	W	C	A	A	N	A	11
12	A	E	A	W	AE	C	W	C	U	A	A	SW	12
13	E	E	NW	C	E	N	C	SE	W	A	A	W	13
14	AE	AE	NW	NW	C	AN	C	C	W	A	U	SW	14
15	AE	A	CNW	AW	C	ANW	W	C	W	A	C	W	15
16	E	A	CN	AW	ASE	A	W	C	W	A	W	ASW	16
17	E	A	A	A	A	AW	SW	C	W	A	A	W	17
18	E	A	A	A	CE	W	W	SE	ASW	A	A	W	18
19	E	U	AE	U	E	C	W	SE	W	A	A	W	19
20	SE	AW	SE	N	E	U	W	CSW	ASW	A	AE	SW	20
21	C	A	C	ANE	CE	C	W	CW	C	A	AE	SW	21
22	C	A	CE	ANE	CNE	C	C	W	U	AE	ANE	SW	22
23	NW	SW	C	A	C	C	AW	C	U	SE	ANE	CSW	23
24	C	A	C	A	C	C	A	C	A	A	NE	C	24
25	C	SE	C	AN	U	CW	CSE	C	AS	AE	ANE	CSE	25
26	U	A	CNE	ANW	CS	C	C	W	A	AE	N	CE	26
27	U	A	N	N	C	W	C	SW	A	A	CN	N	27
28	C	ASE	AW	W	AW	CW	C	ASW	ASE	A	C	AN	28
29	W		U	C	A	W	C	A	AS	A	A	A	29
30	W		C	W	A	SW	C	CS	SE	A	SE	U	30
31	W		C		A		NW	C		CNE		C	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	C	E	A	C	A	W	A	C	W	A	U	W	1
2	C	E	A	C	C	W	A	C	CW	A	A	SW	2
3	NE	E	A	N	CE	W	AW	C	U	A	AW	SW	3
4	U	E	W	AN	CE	NW	W	C	AW	ASE	AW	SW	4
5	C	CE	W	ANE	CSE	N	W	SW	AW	ASW	W	C	5
6	C	CE	W	AE	CSE	A	NW	C	AW	AW	A	ASW	6
7	C	AE	AW	AE	C	NW	W	C	A	AW	W	S	7
8	C	ANE	ASW	E	CS	W	NW	A	AN	AW	W	C	8
9	U	A	W	NE	S	CSW	W	A	A	SW	S	U	9
10	SW	A	AW	NE	SW	C	NW	E	AN	W	SW	SW	10
11	W	A	S	AN	CW	A	A	A	ANE	A	C	SW	11
12	W	SE	SE	N	CS	A	A	A	A	A	S	S	12
13	W	SE	SE	C	C	A	A	U	U	S	S	SW	13
14	CNW	E	S	C	CSW	A	AW	CS	CNE	W	C	SW	14
15	NW	E	S	C	CW	AE	AW	C	NE	A	SW	W	15
16	W	E	S	C	A	E	SW	C	AN	A	SW	W	16
17	W	E	S	C	SE	C	W	N	AN	A	SW	CW	17
18	W	E	C	W	SW	A	AW	N	A	W	CW	CW	18
19	CW	E	W	W	AS	AE	AW	N	A	W	C	W	19
20	W	A	CSW	C	S	E	W	A	A	CW	CW	NW	20
21	W	U	W	C	W	AE	W	U	AW	W	C	N	21
22	W	C	W	C	SW	E	NW	C	AW	W	C	AN	22
23	C	NE	W	C	SW	E	NW	CN	A	W	CW	A	23
24	N	ANE	C	C	SW	C	W	AN	A	CSW	W	ASW	24
25	A	AE	NW	U	SW	S	W	C	A	C	SW	W	25
26	A	A	W	A	SW	ASE	W	C	A	W	W	W	26
27	W	A	W	C	C	AE	SW	N	AW	W	SW	W	27
28	W	A	CW	W	W	AE	C	N	AW	W	SW	W	28
29	C		CW	AW	ANW	E	C	N	A	W	ASW	U	29
30	CE		C	ASW	AW	A	C	NW	A	CW	SW	C	30
31	E		C		W		C	A		C		C	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	C	S	SW	C	U	W	AW	W	U	SE	A	A	1
2	U	S	U	C	CNW	S	A	W	A	E	A	AE	2
3	A	W	A	E	AN	C	A	N	S	E	A	A	3
4	W	A	U	CE	ANW	C	A	AN	S	SE	A	A	4
5	W	SW	A	E	A	C	A	AN	W	S	ASE	E	5
6	N	C	S	CSE	A	C	A	N	CW	W	A	NE	6
7	A	AW	S	C	A	C	NW	N	W	C	A	A	7
8	A	SW	SE	C	A	N	ANW	N	AW	C	U	A	8
9	C	C	E	C	A	N	A	N	W	C	C	A	9
10	U	C	E	CW	ANW	CNE	U	A	W	C	U	A	10
11	E	C	E	C	CNW	CN	C	S	SW	U	C	A	11
12	E	C	A	A	N	N	A	S	W	C	C	ASE	12
13	E	CE	A	AW	NW	N	A	SW	W	C	C	A	13
14	E	NE	A	A	C	CNE	S	AW	W	CS	W	A	14
15	AE	A	NW	A	CN	N	CS	AW	AW	C	S	SE	15
16	AE	ANE	NW	A	W	U	C	A	A	C	W	S	16
17	ASE	AN	W	S	C	NW	C	W	SW	S	W	S	17
18	ASE	AN	CNW	S	N	C	C	W	A	S	SW	W	18
19	AS	AN	N	SW	N	C	C	AW	S	CS	W	W	19
20	A	A	NW	W	AN	U	NE	U	C	C	NW	W	20
21	A	A	W	AW	N	C	NE	C	S	C	NW	AW	21
22	A	ANE	SW	AS	NE	C	ANE	C	SW	C	NW	A	22
23	A	A	C	AS	NE	C	AN	C	SW	A	N	AS	23
24	A	ASE	C	ASE	E	C	N	NE	W	A	N	S	24
25	A	SE	C	E	E	C	N	C	NW	A	ANE	SW	25
26	A	SE	CSW	A	E	U	CNW	N	AN	S	A	SW	26
27	A	SW	C	A	CNE	U	NW	A	A	C	A	CSW	27
28	ANE	W	N	A	U	SW	W	W	A	A	A	S	28
29	A		NW	S	AW	SW	CW	A	A	ASE	U	SW	29
30	A		AW	U	SW	W	W	A	SE	E	A	SW	30
31	A		W		W		W	ASE		U		SW	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	W	C	N	W	SE	C	C	A	C	A	A	E	1
2	W	CW	W	C	CE	C	C	A	C	A	A	E	2
3	W	C	N	A	C	C	C	AW	W	A	AS	C	3
4	C	C	N	A	C	N	C	W	SW	CS	ASE	C	4
5	CS	CW	NW	A	AW	A	C	AW	ASW	C	A	NW	5
6	C	NW	NW	A	A	A	C	A	AS	W	A	ANW	6
7	W	W	NW	A	E	CNE	C	A	S	NW	SE	AW	7
8	S	W	A	AN	CE	NE	C	SE	W	C	SE	AW	8
9	SW	C	W	A	A	NE	W	S	A	C	S	W	9
10	W	CNW	ANW	A	A	ANE	SW	U	AW	U	SW	AW	10
11	W	W	NW	A	E	AE	CW	CSW	W	CE	ASW	AW	11
12	S	W	NW	ANE	E	A	CSW	C	CW	C	AW	A	12
13	S	S	U	A	E	A	C	SW	N	CE	A	A	13
14	S	S	U	AS	E	A	CN	C	AN	A	A	A	14
15	A	SW	C	S	E	A	A	AW	A	A	A	A	15
16	A	A	C	CS	E	A	W	A	ANW	A	AS	A	16
17	AW	A	A	C	N	ANE	W	A	ANW	E	C	A	17
18	U	AW	AS	SE	N	A	AW	CS	A	E	AN	W	18
19	CS	A	SW	SE	N	A	W	C	A	E	N	W	19
20	SW	A	CSW	C	A	A	A	C	A	CSE	N	W	20
21	W	A	C	A	A	W	CSW	NW	AS	SE	A	W	21
22	C	A	C	AE	ASE	A	C	W	SW	SE	A	W	22
23	U	AN	C	AE	U	A	C	W	CW	SE	A	W	23
24	C	N	C	A	S	A	CSW	W	CW	SE	A	W	24
25	C	N	CW	U	S	A	SW	W	W	S	A	SW	25
26	C	ANW	C	C	CSE	A	W	W	W	S	A	W	26
27	NE	N	W	AE	S	AE	W	W	SW	C	A	W	27
28	E	N	W	E	S	N	C	CW	AW	AN	W	ASW	28
29	C	N	C	CE	C	C	CW	W	NW	A	U	ASW	29
30	C		C	E	C	C	C	SW	A	A	C	ASW	30
31	C		U		C		W	CSW		A		A	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1989

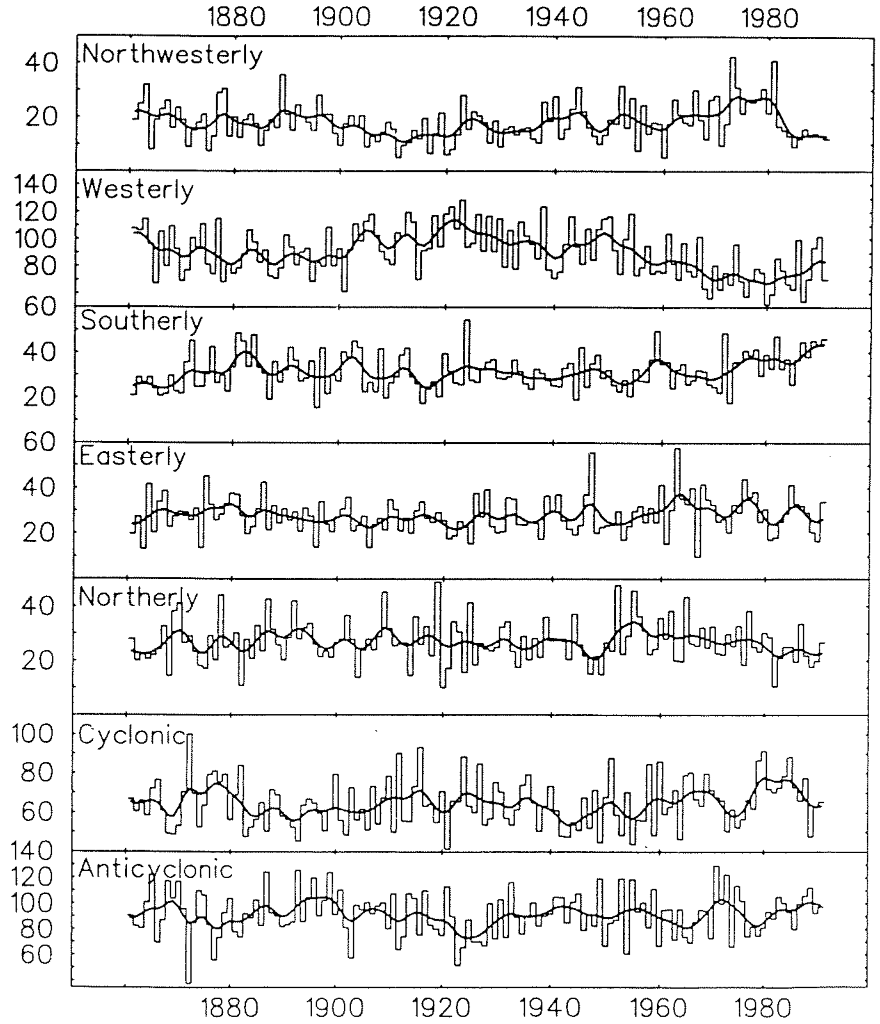
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	A	ASW	U	SE	ASW	N	C	ANW	NW	A	SW	A	1
2	A	ASW	CSE	CSE	ASW	C	A	A	ANW	A	SW	A	2
3	S	SW	C	E	A	CN	A	ANW	A	A	W	A	3
4	W	W	SW	E	A	N	A	A	A	ASE	CW	A	4
5	CW	W	S	E	A	C	A	A	AW	W	CNW	A	5
6	C	W	S	C	A	C	A	CSW	A	NW	W	A	6
7	W	W	AW	C	A	N	C	W	A	NW	W	A	7
8	W	ASW	SW	U	A	A	U	W	A	NW	C	ANE	8
9	W	S	SW	S	N	CS	A	W	ANE	NW	W	A	9
10	AW	AW	SW	C	A	S	AW	W	AE	NW	CSW	A	10
11	SW	AW	ASW	C	C	S	AW	W	AE	W	CS	A	11
12	W	W	U	C	C	S	ANW	W	U	W	A	U	12
13	SW	W	C	C	W	S	ANW	SW	W	W	A	C	13
14	W	W	C	CN	W	A	NW	SW	CW	W	A	C	14
15	W	W	C	U	ASW	A	ANW	SW	W	AW	ASE	C	15
16	W	A	CNE	E	AW	A	A	SW	W	SW	SE	SE	16
17	A	SW	A	N	A	A	A	W	SW	ASW	SE	C	17
18	A	SW	W	AN	A	ASE	A	AW	SW	S	SE	C	18
19	ASW	W	W	ANE	A	A	A	ASW	SW	S	E	U	19
20	CSW	W	W	NE	ASE	U	ASE	SW	SW	SW	E	SE	20
21	CW	A	W	NE	SE	A	SE	ASW	C	CSW	E	C	21
22	AW	W	W	N	E	A	U	AW	C	SW	NE	W	22
23	SW	W	W	N	U	ANW	C	AW	SW	W	A	W	23
24	S	C	W	N	A	AW	A	AW	ASW	W	ANE	S	24
25	S	C	SW	N	A	W	U	U	AW	W	A	SW	25
26	SW	C	S	C	A	W	A	C	AW	A	A	A	26
27	S	NW	C	C	A	C	AW	N	A	SE	A	A	27
28	AW	CN	A	C	A	CW	W	A	A	C	A	A	28
29	AW		A	U	AN	A	W	AW	A	C	A	SE	29
30	AW		AW	SW	N	C	NW	W	A	W	A	SE	30
31	A		A		N		NW	A		W		SE	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	S	C	CNW	U	ASE	SW	C	A	U	W	NW	A	1
2	S	C	ANW	C	ASE	C	NW	A	AW	W	N	A	2
3	S	W	AW	N	A	CW	W	A	W	W	N	ANW	3
4	S	S	W	A	A	CW	C	AW	W	W	N	AN	4
5	S	S	W	AW	U	SW	C	NW	W	W	ANE	A	5
6	SW	C	W	A	C	C	W	NW	C	C	A	A	6
7	W	C	W	AE	C	C	W	ANW	NW	N	A	C	7
8	W	W	W	A	C	C	W	AW	ANW	A	ASE	C	8
9	W	W	W	A	C	N	W	AW	A	W	SE	U	9
10	W	SW	SW	W	N	N	AW	AW	A	W	C	A	10
11	SW	C	AW	W	AN	N	AW	W	A	SW	U	N	11
12	W	CW	A	CW	ANE	AN	A	W	A	S	S	N	12
13	W	W	S	C	AE	AN	A	W	A	S	CS	A	13
14	W	W	ASW	W	U	A	ASE	W	A	S	CW	A	14
15	W	U	SW	W	SE	A	A	C	A	C	W	A	15
16	W	U	ASW	W	C	AS	A	C	A	S	W	A	16
17	W	SW	S	W	U	S	A	W	NW	CE	W	ASE	17
18	W	SW	S	W	AE	CS	AS	U	W	CE	W	A	18
19	SW	SW	SW	C	AE	S	A	C	NW	E	W	ANW	19
20	SW	SW	SW	E	ANE	C	A	W	W	E	C	C	20
21	SW	ASW	W	E	N	C	A	AW	NW	E	N	W	21
22	SW	S	W	A	A	C	A	AW	C	E	A	W	22
23	W	SW	W	A	NW	CW	A	A	C	E	W	SW	23
24	W	C	NW	A	N	CW	A	U	CN	CSE	C	SW	24
25	C	SW	A	A	ANE	W	ASE	A	N	CSE	CE	W	25
26	W	C	A	AW	A	C	SE	A	AN	C	NE	CW	26
27	C	W	U	A	A	C	C	ASW	A	C	A	W	27
28	C	C	A	A	A	U	S	S	ASW	C	A	W	28
29	S		A	A	ASW	U	S	W	U	C	A	W	29
30	S		A	A	W	C	SW	W	C	C	A	W	30
31	SW		A		AS		A	W		C		CW	31

LAMB DAILY WEATHER CLASSIFICATION TYPE OVER U.K. YEAR 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	W	SE	A	W	N	NE	C	C	C	W	CSW	A	1
2	W	SE	S	W	N	U	CE	S	NE	AW	W	A	2
3	W	SE	S	W	N	CN	E	ASW	A	W	CW	A	3
4	W	E	SE	C	N	U	AE	ASW	A	CW	C	A	4
5	C	E	S	C	N	C	E	SW	ANE	W	N	AE	5
6	W	E	E	SW	NW	C	E	C	A	AW	W	A	6
7	C	E	E	W	CN	NE	E	A	A	S	W	AS	7
8	C	E	CE	W	A	A	C	A	A	S	W	A	8
9	SW	E	C	SW	A	C	U	ASW	A	E	NW	A	9
10	SW	N	C	S	A	C	AS	W	A	E	W	ASE	10
11	C	U	S	S	W	W	S	W	ANE	E	W	A	11
12	U	CN	S	C	W	C	W	AW	A	E	C	A	12
13	A	A	S	ANE	C	C	W	AW	S	C	W	A	13
14	ASE	NW	SW	A	ANW	C	CW	A	SW	CN	CN	A	14
15	SE	C	S	AE	AN	C	W	W	W	U	C	S	15
16	SE	N	C	NE	N	N	W	W	W	W	C	SW	16
17	S	U	C	AN	A	N	AW	W	SW	NW	C	W	17
18	S	A	SW	N	AW	CNW	C	A	W	N	C	W	18
19	SW	A	W	N	W	C	C	AW	AW	AN	CNE	W	19
20	AW	SW	C	ANW	W	C	U	AW	A	ANW	A	W	20
21	A	C	NW	NW	AW	C	A	S	SW	ANW	A	C	21
22	A	C	N	U	A	C	ASE	CE	W	ANW	ASW	W	22
23	A	SW	N	ASW	A	C	C	C	W	ANW	S	NW	23
24	A	W	A	S	A	C	C	W	W	A	S	A	24
25	A	A	A	C	A	C	N	A	C	A	S	A	25
26	A	S	AE	A	A	C	NW	A	N	SE	SW	W	26
27	A	S	A	ASE	A	C	ASW	A	U	SE	SW	A	27
28	AS	A	A	AE	A	ANW	A	A	E	CE	SW	AW	28
29	C		A	C	ANE	AW	E	A	CNE	S	S	A	29
30	U		A	C	ANE	C	E	A	U	S	A	A	30
31	U		AW		NE		C	ASE		S		W	31



Annual counts of Lamb Circulation Types over the British Isles for the period 1861-1991. (Bold line shows decadal scale variations.)

CLIMATE MONITOR VOLUME 20

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