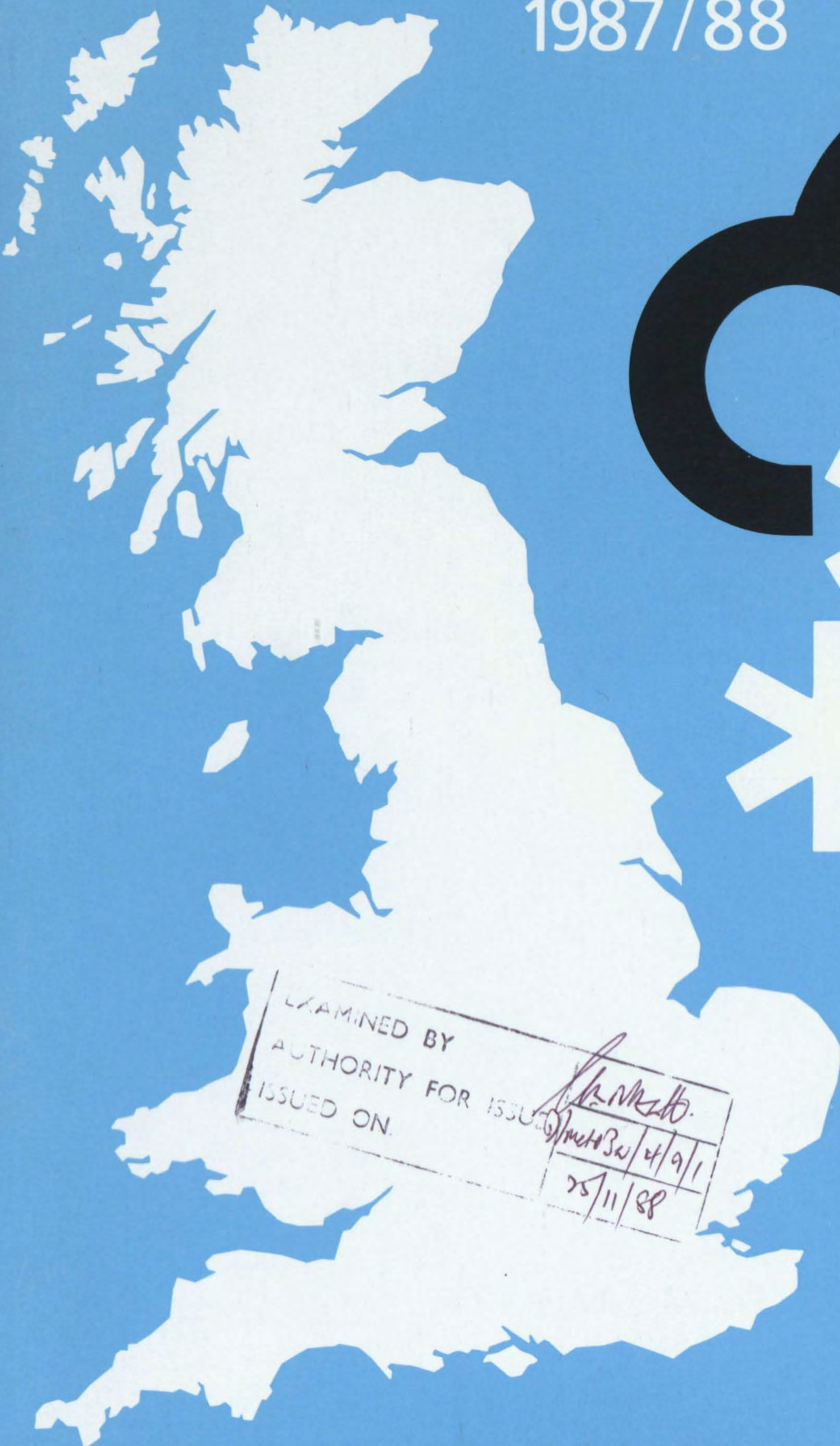




The Met. Office

Snow Survey of
Great Britain
1987/88

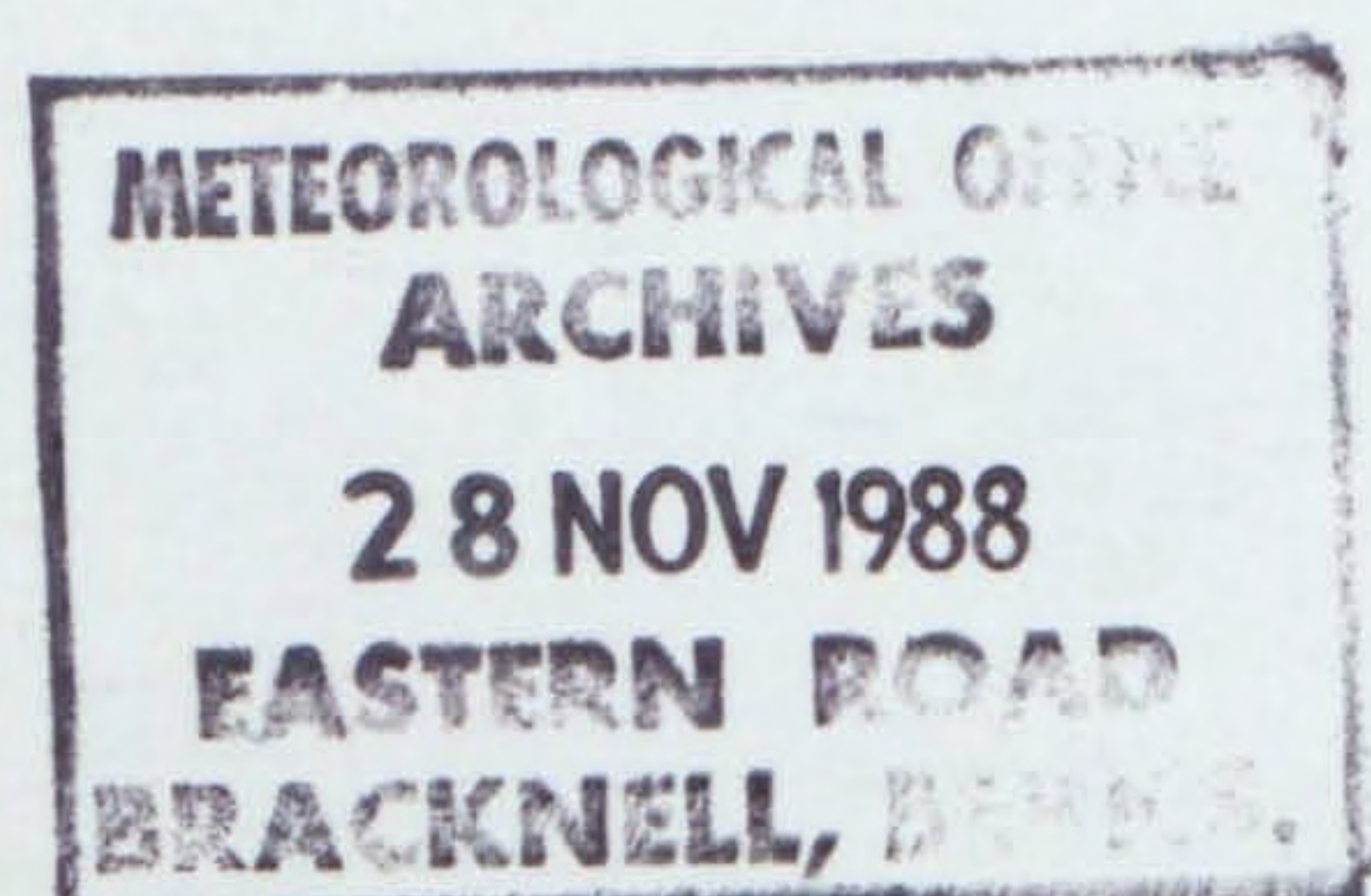


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AUTHORITY FOR ISSUE	<i>[Signature]</i>
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**SNOW SURVEY
OF
GREAT BRITAIN
1987/88**

Positions of snow survey stations



1. Introduction

The material from which this report is compiled has been obtained largely from daily records provided by a special network of observers; these reports are supplemented by snow data from routine climatological returns as mentioned below. Most of the observers in the special Snow Survey network are, however, also associated with stations which submit rainfall or other weather information to the Meteorological Office. In the majority of cases these snow data are observed at the same sites. Observers send their reports to the Meteorological Office each month throughout the season from October to the following May, the main period of likely snowfall. A few observers, mainly in Scotland, provide special reports throughout the year and their data for the summer of 1987 have been incorporated as brief notes in the text.

Observers report days on which snow or sleet* is known to have occurred at the station, days with snow lying and the total depth of undrifted snow at the station normally at about 09 GMT. Observers also send, where possible, notes on snow cover in the surrounding hills or mountains at various heights (at intervals of about 150 metres) even if snow cover does not extend down to station level. Snow lying at the station and snow cover in the hills or mountains implies that the ground is at least half covered with snow.

The reports from the Snow Survey network have been supplemented by snow information given by stations sending monthly climatological returns to the Meteorological Office. These data are published by Her Majesty's Stationery Office in the *Monthly Weather Report* of the Meteorological Office. Data for a selection of these stations have been included in this report particularly to supplement information over the high ground and to fill gaps in the network; these stations are distinguished by a suffix (S) in Table 3. Some stations have no observer on site at weekends and on bank holidays and their observations may be incomplete. Where this is known they are indicated in Table 3 by a suffix (W). Use has also been made of the *Monthly Weather Report*, and returns from stations appearing in it, to provide data for Tables 1 and 2.

The Meteorological Office expresses its thanks to all those responsible for voluntary observations without whose co-operation this report could not have been prepared.

2. Presentation of the data

2.1 Text

The first part of the text summarizes month by month the snow observations made in Scotland during the summer of 1987. The main report begins with a general description of the 1987/88 snow season in terms of the total number of days with snow falling and lying. Notes on each month then follow; these include details of mean temperature, total precipitation, times of snowy periods and frequencies of days of snow falling and lying. It should be borne in mind that such short descriptions are necessarily in very general terms in view of the nature of snow and its occurrence.

2.2 Tables

The tables supplement the descriptive text.

Table 1 provides a comparison of the snow season from 1946/47 to 1987/88. The table has been compiled from data published in the *Monthly Weather Report*; a few values in this table include estimates for missing data but in most cases data for only one month have been estimated. Dashes indicate that no data are available. To provide homogeneous records data have been given for as long a period as possible. In the column headed Fort Augustus/Corpach, observations from Corpach were used for the seasons 1968/69 to 1979/80. At Balmoral records of days of snow cover are available for the whole period but there are no records of snow falling between the seasons 1949/50 and 1957/58; for these, observations from Braemar have been used, and Braemar is used from the 1985/86 season. Lake Vyrnwy closed in 1985 and was replaced by Llanfair Caereinion. Huddersfield (Oakes) closed in 1986 and was replaced by Wilsden.

Table 2 gives daily depths of snow in centimetres at a selection of stations.

Table 3 is the main table in the report and gives for each station in Figure 1 the following four values for each month and for the season:

- (a) number of days when snow fell at the station,
- (b) number of days when snow was lying at the station,
- (c) a measurement of the maximum depth of undrifted snow lying at the station, and
- (d) the earliest date when this maximum depth of snow was attained.

Table 4 lists the number of days each month and during the season when snow was seen lying at three stated levels observed from a selection of stations; these data are more fully plotted in Figure 2. It should be noted that values in this table do not include days when the mountains were obscured by low cloud etc.; such days are indicated in Figure 2.

2.3 Diagrams

Figure 1 shows the network of special Snow Survey stations together with the stations from the climatological network used to improve the coverage. Figure 1 also shows the regional or county boundaries and the climatological districts (identical with those used in the *Monthly Weather Report*) referred to in Table 3.

Figure 2 illustrates the variation in duration and extent of snow cover with height observed from 12 named stations. These observations are mainly made from the named stations but occasionally use is made of information obtained in other ways, e.g. by observations from nearby locations or from further up the mountain. Days when low cloud prevented any form of observation are indicated by black dots below the diagram.

* In the United Kingdom sleet is the word used to describe a mixture of snow and rain, or of snow and drizzle.

3. Snow observations in the Scottish mountains during the summer of 1987

June 1987

There were reports of snow at Crathes, Aberdeenshire on the 12th and 13th but it did not last long. Fresh snow cover was observed briefly on Ben More and Stobinian on the 12th and on the 16th above 1100 m. Isolated small amounts of snow were reported lying on the Cairngorm Mountains in the first week of the month, with fresh falls above about 1000 m on the 9th and 12th. From the 18th there were again only isolated patches in sheltered corries only. Fresh snowfall was reported on Ben More Assynt in the north-west Highlands on the 12th, above 750 m, but it was gone by the next day.

July 1987

In the north-west Highlands small patches were noted on Ben More Assynt on the 1st only; on the Cairngorm Mountains there were only isolated patches in sheltered corries. The last visible snow on Ben Lawers and the remaining visible patches on Ben More and Beinn Heasgarnich had disappeared by the 12th, although there were still large patches visible on Braeriach, and on Cairn Toul in the Cairngorm Mountains.

August 1987

There was a report of snow falling on the summits of the Cairngorm Mountains on the 4th. Until the 22nd there was only one small area of snow visible on Braeriach, but from the 23rd no snow was seen.

September 1987

On the 18th the first autumn snowfall was observed above about 1000 m. Snow cover was observed on the 25th and 26th above 900 m on the Fannich Hills, An Teallach and other high ground in Highland Region. Some fresh snow cover was observed on the tops of the Cairngorm Mountains from the 25th until the 29th.

4. Snow observations in Great Britain during the season 1987/88

4.1 Number of days with snow or sleet falling

Over most of Great Britain the number of days with snow or sleet falling was near or below the 1941–70 average.

Over England and Wales and the Southern Uplands of Scotland the number of days with snow or sleet falling was generally between about 8 and 25 days while over the North Yorkshire Moors and the Wolds of eastern England there were up to 37 days of snow or sleet falling. Some coastal

areas of southern England had very few days of snow falling throughout the season. Snow fell on up to 42 days in the mountains of North Wales and on up to 40 days in the northern Pennines. In Shetland and the north-west Highlands of Scotland the number of days was below normal with up to 45 days with snow or sleet falling. Over the rest of Scotland, apart from the south-west and the Southern Uplands, the number of days with snow or sleet falling was about average, with about 30 to 40 days in low-lying areas and up to 75 days over the mountains.

4.2 Number of days with snow lying

The number of days with snow lying was generally below normal except in northern Shetland and the mountains of central Scotland where snow was reported lying on up to 45 days in northern Shetland and up to 70 days at Cairngorm car-park. In England and Wales generally duration of snow was considerably below normal.

Snow lay on the highest summits of the Scottish Highlands for up to 195 days and at about 600 m for about 150 days. Over the peaks of north-west England, snow lay on about 100 to 130 days, and in North Wales between about 20 and 80 days. At about 300 m the number varied between about 40 days in the Highlands of Scotland to about 10 to 20 days in northern England and North Wales. In most lowland areas there were less than 10 days and in many places in southern England and South Wales there was no snow lying throughout the season.

4.3 Notes on the weather of individual months

October 1987

October was a very cool month with temperatures below normal everywhere except one or two places in southern England.

It was an exceptionally wet month, the fourth wettest October in England and Wales this century.

Snowfall was reported on a number of days in October, mainly in northern areas of Scotland. Snow was reported lying at Knockanrock, Highland Region (244 m above mean sea level) on the 9th. Snow lay on higher ground in northern areas of Scotland for much of the month above 900 m and down to 750 m between the 7th and 14th; snow was reported down to 150 m on the 9th only. Fresh snow fell at Alwen, Clwyd on the 9th, and there were reports of sleet showers on the higher parts of Dartmoor, near Okehampton, Devon.

November 1987

Mean monthly temperatures were near normal everywhere in November.

Monthly rainfall values for all districts were below normal, although one or two places had considerably more than the monthly average.

Fresh falls of snow or sleet occurred on the 13th as far apart as the Pennines and West Sussex and snow was reported above 500 m on central parts of Dartmoor. There were further fresh falls to near sea level between the 23rd and 25th. Snow fell over a wide area on the 23rd, with reports from as far south as Cornwall.

The first 10 days of the month were snow free. Snow was reported lying on higher ground in Scotland from the 11th onwards, mainly above 900 m, but at times down to 600 m, and generally to near sea level on the 23rd. In North Wales snow was reported above 750 m in Snowdonia on the 13th. Otherwise snow cover was generally above 900 m on several days from the 22nd, although temporarily down to about the 300-metre level on the 23rd. Snow lay on the Brecon Beacons and Black Mountains in South Wales on the 23rd and remained visible until the 28th.

December 1987

Although the month began with below average temperatures, the mild spell from mid month meant that temperatures for the month as a whole were a little above normal.

Monthly rainfall amounts were below normal everywhere except southern Scotland.

Snow showers occurred in Shetland on the 5th, 6th, 7th and 30th and gave 2 cm of level snow at Collafirth on the 7th. Snow fell at a number of places in northern and central parts of Scotland on the 8th and Knockanrock measured 1 cm of snow lying. Aviemore had snow falling on the 6th, 8th, 9th and 10th, but no cover at the station. In northern England snow fell at Burnhope on the 4th and Killingworth on the 6th. Between the 7th and 11th there were some falls of snow in East Anglia, and snow fell on the 9th in parts of Middlesex, Essex and Buckinghamshire. Snow fell on the 2nd and 3rd in parts of the south-west, giving a cover 1 cm deep on parts of Dartmoor. Snow fell at Dolgellau, Gwynedd on the 11th, giving a trace cover, and at Alwen Reservoir, Clwyd on the 4th. In South Wales snow fell at Storey Arms on the 2nd and at Velindre on the 9th. However, the observer at Cwmbargoed noted that this was the first completely snow-free December at Cwmbargoed, the average number of days of snow there in December being five.

In parts of Scotland snow lay on extreme summits during the first half of the month, but during the second half, apart from one or two days with fresh cover on the extreme summits, only a few patches were observed and the hills were otherwise snow free. Snow cover on the Cairngorm Mountains extended down to 300 m on the 8th, to 450 m on the 7th to 11th and temporarily on the 16th; the general cover was to 600 m from the 1st to 17th and to 750 m to the 19th, before becoming patchy from the 20th. There was further fresh snow above 1000 m on the 31st. In the north-west Highlands the observer at Inverpolly, where hill cover only lasted one or two days, reported that Cul Mor had a cover at about 820 m from the 1st to 15th. In the central Highlands there was snow cover at many places for the first fortnight above about 750 m. However, most places reported no snow on hills for the second half of the month. There were reports of no snowfall in many southern and eastern parts of Scotland. There were reports of some snow cover on the summits of the mountains in North Wales between the 7th and 15th.

The incidence of snow falling in December was below normal everywhere.

Apart from the tops of the highest mountains in Scotland there was no persistent snow lying during December.

January 1988

Mean monthly temperatures were above normal everywhere although near normal in north-west Scotland.

It was a very wet month everywhere except Shetland and the far north of Scotland.

By the 4th rain moved north-east across England and Wales, giving some fairly heavy snow on the Pennines. Precipitation fell as snow at times, mostly on the high ground of the north and west, with 12 cm reported at Great Dun Fell on the 6th. Showers were widespread on the 10th, with sleet and snow over higher ground. On the 19th a trough moving east crossed all areas with further rain, and was followed by showers of sleet, snow or hail particularly in western coastal districts on the 20th. Overnight on the 21st/22nd a fast moving depression crossed the south Midland counties of England with widespread rain to the south and snow to the north as far as the Southern Uplands of Scotland. There was considerable snowfall in central England, with depths up to 18 cm. Another trough approaching from the south-west on the 23rd brought prolonged rain, preceded by sleet or snow, to many areas as far north as the Forth-Clyde Valley; the sleet and snow was quite heavy for a time over Lincolnshire and north-east England. On the 24th much of Scotland had a wet day with snow in the mountains; strong winds developed in northern areas, together with sleet and snow over hilly areas in the north.

The number of days with snow falling in January was about average generally over Scotland, parts of the Pennines and Snowdonia, but below average elsewhere.

The incidence of snow lying was about average in the Grampian Mountains, but well below average elsewhere.

February 1988

Mean monthly temperatures were above normal everywhere.

Monthly rainfall totals were generally above normal in Scotland but below normal in England and Wales.

During the first 10 days of the month snow fell often on the high ground in the north and west, and occasionally at lower levels, mostly in northern areas. A depression crossed Ireland and Scotland to the North Sea between the 3rd and 5th giving showers or longer spells of rain or sleet especially in the south and west and some snow even on low ground on the 4th — mostly in north-east England. There were some sleet or snow showers on the 6th, mainly in northern Scotland, although 8 cm was measured at North Hessary Tor, Devon. Fronts brought rain, sleet or snow from the west on the 7th followed by wintry showers on the 8th. Further rain, sleet or snow spread from the south-west later on the 8th. Gales on the 9th and 10th caused blizzards in north Derbyshire, where heavy snowfalls and drifting blocked some major roads over the Pennines, and there was heavy snow in north Devon. Wintry showers were widespread on the 10th and a frontal trough produced more general sleet or snow. Further falls, mainly in western areas gave a cover of snow lying of 10 cm at Bwlch Tunnel, Clwyd, 15 cm at Redmires, South Yorkshire and 8 cm at Bacup (Cragg), Greater Manchester on the 11th. There were widespread snow showers over eastern and central areas of Great Britain on the 24th and 25th, but western areas remained

mostly dry until more general rain or snow reached northern Scotland late on the 25th. There was a covering of snow in parts of eastern England on the 25th, but in most places it soon melted. However, about 10 cm lay all day on the Lincolnshire Wolds. On the 28th a weakening cold front swept rapidly southwards followed by sleet or snow showers in many areas, and snow depths reached 8 cm in places around the Moray Firth; the Cock Bridge to Tomintoul and Perth to Braemar roads were blocked. Snow showers continued over the next two days in many areas, but central areas were least affected. Among reports of snow lying were 13 cm at Sledmere, Humberside on the 29th.

The number of days with snow falling was slightly above average in the far north of Scotland and about average over the rest of Scotland and England and Wales.

The number of days with snow lying was about normal on the Cairngorm Mountains and over the tops of the northern parts of the Pennines. Elsewhere, however, there was below average lying snow and most of England and Wales had no snow lying during the month.

March 1988

It was a mild month everywhere except northern Scotland, where temperatures were generally below normal.

It was a wet month and, with the exception of eastern Scotland, rather dull. Parts of the United Kingdom had twice the normal rainfall and it was the wettest March for several years in England and Wales.

A strong and cold northerly airstream covered Scotland at the beginning of the month and there was 39 cm of level snow lying at Fealar Lodge, at 560 m near Glenshee, Grampian Region. Sleet and snow showers occurred in many places, mainly in eastern England. A trace of snow fell in the early hours of 1 March at Martley, Hereford and Worcester. It soon melted, however, and no more snow fell there during the month. Most level snow lay around the 1st, with 14 cm at Knockanrock and 12 cm at Ardross. At Cae Llwyd snow fell on the 1st and 4th, none lying during the month except for a trace on the 4th. Showers in the north of Scotland gave a cover of 17 cm of level snow at Kinbrace, Highland Region on the 4th and Prabost reported 2 cm. Snow lay generally on hills above 600 m for most of the month. Between the 11th and 14th snow fell as far south as East Anglia at times with depths of 12 cm reported in the Peak District on the 13th. Cold air of Arctic origin had extended to all parts of Scotland by the 12th. A frontal wave produced a fall of sleet and snow, with 10 cm lying at Kelso on the morning of the 13th. Snow fell at times as far south as East Anglia with depths of 12 cm reported in the Peak District on the 13th. Over Shetland and northern Scotland there were frequent falls of snow up until the 17th. At Collafirth, where there was 10 cm of level snow on the 1st, the observer reported drifts of 60 cm and 65 cm on the 16th and 18th respectively. Velindre, Powys reported the Black Mountains clear of snow from the 2nd onwards except for temporary cover early on the 18th and early on the 30th. Some patches of snow visible until the 9th on the Brecon Beacons disappeared by the end of the month, but poor viewing conditions through the middle of the month prevented a date being put to the disappearance. Some

snow fell over Devon and Cornwall, mainly during the first few days of the month, but after the first few days little or no snow fell in southern areas of England and Wales. From the 28th and over the next two days snow showers continued to fall in parts of Scotland, but central areas were least affected; level snow depths reached 8 cm in places around the Moray Firth.

The number of days with snow or sleet falling was about average or a little above average in parts of northern Scotland, with from 5 to 10 days in low-lying areas, and up to 19 days in the central Highlands. In northern and eastern areas of England snow fell on between 2 and 10 days, in Wales between 2 and 8 days and in south-west England from 2 to 5 days.

The incidence of snow lying in Orkney and Shetland was above average, but in the rest of Scotland and over most of England and Wales it was about or just below normal; however, in North Yorkshire and north Humberside snow lay for between 4 and 8 days (up to twice the average).

April 1988

Mean temperatures were above normal everywhere except the far north of Scotland and some east-facing coasts in the south and west where they were below normal.

Monthly rainfall amounts were generally above normal north of a line from about Tyne and Wear to the Isle of Man except for a large part of western Scotland where it remained rather dry. South of the line it was generally rather dry apart from some places in central and south-eastern England and southernmost parts of Cornwall.

During the 7th a southward-moving cold front gave some rain to parts of Scotland, becoming more active as it made further erratic progress over northern England during the 8th; areas to the north and south of the front stayed mainly dry apart from some wintry showers in eastern Scotland. Arctic air behind the front turned the rain to snow later in many parts of northern England and, as the front moved further south-westwards, much of eastern Wales and central and south-eastern England had a period of snow early on the 9th.

Snowfall was below average everywhere in April. Snow fell on about 7 days in Orkney and Shetland, about 4 days in the far north of Scotland, and up to 6 days in the Highlands. Over most other parts snow fell on only one or two days during the month, and many places in the south and west of England and Wales had none at all.

Apart from Shetland, where there were 2 or 3 days of snow lying during April, most places had no snow lying during the month.

May 1988

May was quite a warm month everywhere, apart from some parts of the east coast where cloud kept it cooler.

Rainfall was mostly below normal and in parts of Great Britain, notably western Scotland, it was very dry.

Wintry showers gave snow down to less than 100 m in parts

of central and northern Scotland between the 17th and 19th, but snow cover generally was only reported above about 400 m, although with a dusting to 100 m here and there.

Apart from the brief snow cover on one or two mornings around the 19th and 20th there was generally only old snow remaining on high ground in central and northern Scotland and by the 24th this was limited to patchy cover; nevertheless, extensive areas still remained on north- or north-east-facing slopes and corries generally throughout the Highlands from Ben More Assynt through the Fannich Range, Beinn Dearg (Highland Region). On the mountains around Loch Quoich (Highland Region) and Creag Meaghaidh around the head of Glen Lyon considerably more old snow than usual remained at the end of the month. In most places there remained a cover over about 900 m or 1000 m until about the 21st, but thereafter only isolated patches remained in corries and gullies.

Table 1 Number of days with snow or sleet falling, and snow lying, during each snow season

Number of days with snow or sleet falling											Number of days with snow lying									
Fort Augustus/Corpach	Balmoral/Braemar	West Linton	Eskdalemuir	Huddersfield(Oakes)/ Wilsden	Buxton	Woburn	Boscombe Down/Lyneham	Exeter	Lake Vyrnwy/ Llanfair Caereinion	Season	Fort Augustus/Corpach	Balmoral/Braemar	West Linton	Eskdalemuir	Huddersfield(Oakes)/ Wilsden	Buxton	Woburn	Boscombe Down/Lyneham	Exeter	Lake Vyrnwy/ Llanfair Caereinion
4	31	42	65	51	46	34	37	22	42	1946/47	5	72	66	59	64	71	58	42	10	63
25	30	34	49	25	23	13	14	9	33	1947/48	8	53	25	22	15	33	5	11	2	25
—	23	24	31	19	13	7	5	5	20	1948/49	—	23	10	14	10	12	2	1	0	11
—	45	28	46	30	11	7	5	7	23	1949/50	—	29	20	18	10	7	1	1	1	11
—	92	75	79	70	59	29	30	18	72	1950/51	—	102	65	61	31	48	12	10	10	47
23	61	41	45	37	38	20	22	13	40	1951/52	38	52	38	41	22	38	7	8	1	30
19	51	44	44	25	32	26	23	10	34	1952/53	12	61	34	32	11	25	25	4	2	32
24	45	31	36	26	26	14	12	10	23	1953/54	12	40	26	32	24	29	7	15	7	22
28	71	43	52	47	42	28	31	29	40	1954/55	32	82	58	57	37	52	27	15	6	38
31	74	50	54	42	40	23	28	19	34	1955/56	18	59	46	44	39	40	20	12	8	34
17	37	27	34	26	15	12	12	3	22	1956/57	13	14	15	10	10	12	5	2	0	17
36	51	40	48	31	25	19	19	19	27	1957/58	27	61	32	22	23	23	12	6	6	32
15	29	22	25	15	12	7	8	7	21	1958/59	23	60	29	26	19	26	13	9	3	22
20	31	39	38	29	31	13	11	14	30	1959/60	22	40	29	26	20	30	11	8	5	24
14	35	22	33	20	22	7	8	6	20	1960/61	2	31	8	10	6	10	0	0	0	14
36	56	41	67	38	26	17	17	19	39	1961/62	30	88	43	40	25	29	13	5	2	36
26	58	42	62	44	47	42	40	32	43	1962/63	29	90	86	82	70	74	69	64	40	78
18	29	19	40	20	20	14	17	11	19	1963/64	1	35	12	8	12	17	7	2	2	14
28	65	34	63	36	40	20	20	14	43	1964/65	13	71	31	34	20	34	10	15	2	48
28	84	46	87	53	37	18	18	11	42	1965/66	18	93	46	37	39	38	9	13	1	42
22	64	25	82	26	28	4	9	10	27	1966/67	13	53	19	20	7	14	1	1	0	11
26	48	35	66	30	39	23	24	11	32	1967/68	27	78	43	51	22	44	14	10	4	31
21	74	24	71	51	34	24	29	20	39	1968/69	25	83	32	35	53	50	18	5	11	56
28	69	32	96	63	53	34	42	25	57	1969/70	36	96	25	35	40	50	25	16	3	62
6	34	21	46	25	16	17	27	16	20	1970/71	3	28	22	19	10	23	6	14	2	20
10	32	20	52	34	27	11	15	9	25	1971/72	1	29	12	16	12	12	1	2	0	21
22	38	19	54	28	23	9	11	12	25	1972/73	11	44	12	27	15	17	2	2	2	22
22	57	20	58	27	28	8	16	9	36	1973/74	21	49	10	17	9	13	0	2	0	20
11	38	21	56	30	31	18	21	12	42	1974/75	3	37	5	15	3	6	3	3	0	18
10	50	11	53	26	31	9	10	12	29	1975/76	4	38	6	12	2	11	4	0	1	15
26	46	30	72	46	51	19	18	15	51	1976/77	5	67	42	47	31	43	7	4	1	34
27	54	34	70	46	36	21	33	22	48	1977/78	10	75	29	34	23	31	8	9	8	43
30	74	61	94	74	65	31	50	38	78	1978/79	31	89	67	62	74	83	28	27	18	89
17	42	30	57	35	35	6	16	10	41	1979/80	10	42	20	28	23	31	3	2	0	23
—	66	20	60	44	51	19	27	12	48	1980/81	19	54	15	30	28	34	3	2	1	25
21	57	—	52	27	43	11	24	18	33	1981/82	21	62	42	40	40	38	23	18	10	45
29	60	28	82	33	52	16	20	15	62	1982/83	18	66	13	34	21	21	4	3	2	15
23	51	40	55	30	41	7	23	14	56	1983/84	30	69	39	37	27	26	3	2	0	23
20	50	44	59	43	33	21	27	20	40	1984/85	14	66	20	37	11	47	29	22	9	42
29	111	55	101	64	53	7	36	23	35	1985/86	25	96	41	58	29	60	4	9	1	44
22	94	51	69	42	30	14	23	13	26	1986/87	20	77	24	39	24	26	6	11	3	25
11	66	32	57	31	21	8	21	10	17	1987/88	7	48	7	19	10	9	3	2	0	7

Table 2 Daily depth of snow, in centimetres, at selected stations

T indicates snow depth less than 0.5 cm
 * indicates snow lying but depth not available
 + indicates no information available

December 1987

Day	Wick	Knockanrock	Inverawe	Whitehillocks	Edinburgh (Blinkbonny)	Eskdalemuir	Alston	Lanthwaite	Belmont	Riccall	Buxton	Martley	Marham	Penshurst Place	Dolgellau	Llanfair	Caereinion	Merthyr Tydfil	Swansea	Exeter	Okehampton	Day
1	In October 1987 days with snow lying at these stations were confined to the 9th Knockanrock 2 cm and in																					1
2	November to Knockanrock 1 cm on 25th and 26th.																					2
3																						3
4																						4
5																						5
6																						6
7																						7
8		1																				8
9																						9
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25																						25
26																						26
27																						27
28																						28
29																						29
30																						30
31																						31

Table 2 Daily depth of snow, in centimetres, at selected stations

T indicates snow depth less than 0.5 cm
 * indicates snow lying but depth not available
 + indicates no information available

January 1988

Day	Wick	Knockanrock	Inverawe	Whitehilllocks	Edinburgh (Blinkbonny)	Eskdalemuir	Alston	Lanthwaite	Belmont	Riccall	Buxton	Martley	Marham	Penshurst Place	Dolgellau	Llanfair Caereinion	Merthyr Tydfil	Swansea	Exeter	Okehampton	Day
1																					1
2																					2
3																					3
4																					4
5						1															5
6				1																	6
7																					7
8																					8
9																					9
10																					10
11						1	1														11
12																					12
13																					13
14																					14
15																					15
16																					16
17																					17
18							3														18
19		4		T		1															19
20									4												20
21		3				1					1										21
22		14				2	3		3		10	4	2		2	22					22
23	T	17				4	3	8	12	3	10	3				16					23
24		15				4															24
25		8		T		1															25
26		6																			26
27		6				T															27
28		6																			28
29		6																			29
30		5																			30
31		2																		2	31

Table 2 Daily depth of snow, in centimetres, at selected stations

T indicates snow depth less than 0.5 cm
 * indicates snow lying but depth not available
 + indicates no information available

February 1988

Day	Wick	Knockanrock	Inverawe	Whitehillocks	Edinburgh (Blinkbonny)	Eskdalemuir	Alston	Lanthwaite	Belmont	Riccall	Buxton	Martley	Marham	Penshurst Place	Dolgellau	Llanfair Caereinion	Merthyr Tydfil	Swansea	Exeter	Okehampton	Day
1		1		7		8	4														1
2																					2
3							1														3
4				5																1	4
5		1		3																	5
6		1	1			1	5		1												6
7		1				1	5		1		T										7
8		12	2	3		9	9				2										8
9		10		8		8	5														9
10		8		3			3				3					2				1	10
11		18		7		1	3		3		2					4				T	11
12	T	26	4	4		1	1				3					2				T	12
13		18		6		T															13
14		10																			14
15		7																			15
16																					16
17																					17
18																					18
19																					19
20																					20
21																					21
22																					22
23		1																			23
24		1		2						3			T								24
25		1		3									1								25
26													T								26
27																					27
28																					28
29	1	8		2												T					29

Table 2 Daily depth of snow, in centimetres, at selected stations

T indicates snow depth less than 0.5 cm
 * indicates snow lying but depth not available
 + indicates no information available

March 1988

Day	Wick	Knockanrock	Inverawe	Whitehillocks	Edinburgh (Blinkbonny)	Eskdalemuir	Alston	Lanthwaite	Belmont	Riccall	Buxton	Martley	Marham	Penshurst Place	Dolgellau	Llanfair Caereinion	Merthyr Tydfil	Swansea	Exeter	Okehampton	Day
1	1	14		4								T	T		2	2				T	1
2		7		4									T								2
3		1		3																	3
4	1	8		5																T	4
5	1	8		4			1													T	5
6																					6
7		1																			7
8																					8
9																					9
10																					10
11																					11
12	T																				12
13		1				7	3		6												13
14	T					3					10										14
15		5		3																	15
16																					16
17		2																			17
18																					18
19																					19
20																					20
21																					21
22																					22
23																					23
24																					24
25																					25
26																					26
27																					27
28																					28
29																					29
30																					30
31																					31

Knockanrock measured 5 cm on 9 April and Belmont measured 1 cm on 3 April. There were no reports of snow lying at any of these stations in May 1988.

Table 3

Number of days with snow falling, snow lying, and maximum depth, in centimetres, with the date, during each month and during the season

The values are arranged in a pattern of four thus: a b
c d

where a is the number of days on which snow occurred, b is the number of days on which half or more of the ground in the immediate neighbourhood was snow covered, c is the greatest depth of accumulated and undrifted snow, and d is the date on which c first occurred.

Stations distinguished by (S) after the name are supplementary to the Snow Survey network, and those by (W) are 5 day/week stations (see Introduction).

The entry D indicates that no snow depth was measured because of excessive drifting: the entry T indicates that the depth of snow was less than 0.5 cm. A plus (+) indicates that data were missing or incomplete.

1987

1988

Station	Grid Reference	Alt. (m)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Season
DISTRICT 0 — SCOTLAND N											
<i>Shetland</i>											
Mossy Hill	HU 396203	229	0 0	5 1	4 0	14 3	13 0	12 11	0 0	0 0	48 15
			- -	T 25	- -	T 22	- -	T 1	- -	- -	T 25/11
Ollaberry	HU 333836	226	0 0	2 2	3 2	9 12	8 10	11 14	7 5	0 0	40 45
			- -	T 25	2 7	5 25	5 12	10 1	1 9	- -	10 1/3
<i>Orkney</i>											
Kirkwall (S)	HY 483076	26	0 0	3 0	3 0	12 2	16 1	15 7	5 0	3 0	57 10
			- -	- -	- -	2 22	T 29	3 1	- -	- -	3 1/3
<i>Western Isles</i>											
Benbecula (S)	NF 782555	5	0 0	1 0	0 0	11 0	13 1	7 1	0 0	1 0	33 2
			- -	- -	- -	- -	1 12	1 4	- -	- -	1 12/2
Stornoway (S)	NB 459332	15	1 0	1 0	1 0	3 2	12 3	11 3	2 0	0 0	31 8
			- -	- -	- -	1 22	1 7	3 4	- -	- -	3 4/3
<i>Highland</i>											
Ardross	NH 629739	171	0 0	0 0	0 0	3 6	6 9	+ 6	0 0	0 0	+ 21
			- -	- -	- -	7 26	12 29	12 1	- -	- -	12 29/2
Aviemore	NH 896143	228	1 0	5 0	4 0	23 8	20 11	16 6	6 0	0 0	75 25
			- -	- -	- -	2 10	10 12	6 4	- -	- -	10 12/2
Cairngorm Chairlift (S)	NH 991059	663	2 0	0 0	5 17	13 18	11 17	14 14	6 4	4 0	55 70
			- -	- -	23 1	41 22	64 12	23 5	24 2	- -	64 12/2
Cape Wrath (S)	NC 259747	112	0 0	0 0	0 0	6 0	15 2	7 3	2 0	0 0	30 5
			- -	- -	- -	- -	T 12	3 5	- -	- -	3 5/3
Cassley (W)	NC 396232	99	0 0	1 0	1 1	+ 1	1 1	3 3	0 0	0 0	+ 6
			- -	- -	T 8	T 22	3 12	5 4	- -	- -	5 4/3
Dalwhinnie	NN 634841	362	2 0	12 0	4 0	23 14	21 13	19 1	4 1	4 0	89 29
			- -	- -	- -	15 25	28 11	2 16	1 12	- -	28 11/2
Diabaig (S)	NG 794603	60	1 0	5 0	0 0	6 2	9 +	9 4	2 1	0 0	32 +
			- -	- -	- -	2 23	+ +	6 1	1 9	- -	+ +
Fersit	NN 351782	259	0 0	0 0	1 1	+ 12	+ 13	+ 8	1 1	0 0	+ 35
			- -	- -	T 9	10 22	10 8	8 16	T 12	- -	10 22/1
Fort Augustus (S)	NH 381091	21	0 0	0 0	0 0	2 2	8 2	1 3	0 0	0 0	11 7
			- -	- -	- -	T 22	T 7	4 16	- -	- -	4 16/3
Fort William (Br. Al.)	NN 130751	27	0 0	0 0	1 0	2 1	3 3	3 3	0 0	0 0	9 7
			- -	- -	- -	1 22	2 12	1 4	- -	- -	2 12/2
Glenshero Lodge	NN 562929	268	0 0	4 4	2 3	14 15	17 17	13 9	1 1	0 0	51 49
			- -	T 12	T 6	13 22	23 8	5 1	2 12	- -	23 8/2

Table 3 (continued)

Station	Grid Reference	Alt. (m)	1987		1988		1989		1990		1991		Season
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	
Grantown-on-Spey (S)	NJ 034283	229	0 0	0 0	2 0	10 13	0 0	0 0	0 0	0 0			12 13
			- -	- -	- -	3 10	- -	- -	- -	- -			3 10/ 1
Inverpolly	NC 074134	14	0 0	0 0	1 0	7 2	7 2	6 3	0 0	0 0			21 7
			- -	- -	- -	3 22	3 29	6 1	- -	- -			6 1/ 3
Kinbrace (S)	NC 872285	103	0 0	0 0	0 0	7 4	15 11	16 16	4 0	2 0			44 31
			- -	- -	- -	2 23	5 29	17 4	- -	- -			17 4/ 3
Knockanrock	NC 187088	244	1 1	3 2	1 1	10 10	10 16	16 9	3 1	0 0			44 40
			2 9	1 25	1 8	17 23	26 12	14 1	5 9	- -			26 12/ 2
Lairg (S)	NC 578055	107	0 0	0 0	1 0	4 3	7 4	6 6	1 0	0 0			19 13
			- -	- -	- -	7 23	5 7	7 1	- -	- -			7 23/ 1
Prabost	NG 418501	67	0 0	1 0	0 0	5 4	10 5	6 2	1 0	0 0			23 11
			- -	- -	- -	2 23	4 12	2 4	- -	- -			4 12/ 2
Ratagan (W)	NG 919197	4	0 0	4 0	1 0	12 3	11 5	9 4	0 0	0 0			37 12
			- -	- -	- -	1 22	5 12	5 4	- -	- -			5 12/ 2
Wick (S)	ND 364522	36	0 0	3 0	3 0	9 1	13 2	13 5	4 0	0 0			45 8
			- -	- -	- -	T 23	1 29	1 1	- -	- -			1 29/ 2
DISTRICT 1 — SCOTLAND E													
<i>Crampian</i>													
Braemar (S)	NO 152914	339	0 0	7 4	5 1	18 14	16 19	13 10	6 0	1 0			66 48
			- -	2 25	T 12	3 25	17 9	13 1	- -	- -			17 9/ 2
Crathes	NO 758969	60	1 0	2 0	1 0	10 2	13 6	15 7	5 0	0 0			47 15
			- -	- -	- -	1 23	1 8	5 2	- -	- -			5 2/ 3
Drummuir	NJ 372441	189	0 0	4 2	1 2	7 7	9 11	13 9	3 1	0 0			37 32
			- -	2 26	1 3	1 3	8 11	6 5	2 9	- -			8 11/ 2
Dyce (S)	NJ 877127	65	0 0	3 0	0 0	6 0	14 3	11 5	5 0	1 0			40 8
			- -	- -	- -	- -	5 29	7 1	- -	- -			7 1/ 3
Fetternear	NJ 708184	114	0 0	3 0	2 0	6 4	11 9	11 11	4 0	0 0			37 24
			- -	- -	- -	1 21	5 25	11 5	- -	- -			11 5/ 3
Glenlivet (S)	NJ 188303	215	0 0	3 3	1 0	19 5	15 10	9 6	2 0	0 0			49 24
			- -	1 25	- -	33 8	12 11	3 1	- -	- -			33 8/ 1
Inverurie (S)	NJ 779204	54	0 0	0 0	0 0	10 2	10 6	11 9	3 0	1 0			35 17
			- -	- -	- -	1 28	3 11	13 2	- -	- -			13 2/ 3
Kinloss (S)	NJ 067627	5	0 0	2 0	0 0	5 1	12 1	10 3	2 0	0 0			31 5
			- -	- -	- -	T 22	1 11	1 4	- -	- -			1 11/ 2
Rochomie	NJ 441633	94	0 0	0 0	0 0	0 0	0 0	1 1	0 0	0 0			1 1
			- -	- -	- -	- -	- -	2 5	- -	- -			2 5/ 3
<i>Tayside</i>													
Ardalnaig	NN 702394	130	0 0	0 0	1 0	10 3	12 1	8 1	2 0	0 0			33 5
			- -	- -	- -	5 22	2 1	3 15	- -	- -			5 22/ 1
Balhall Lodge	NO 513642	210	0 0	1 0	0 0	5 2	13 5	0 0	0 0	0 0			19 7
			- -	- -	- -	2 23	7 1	- -	- -	- -			7 1/ 2
Drummond Castle	NN 841177	113	0 0	0 0	0 0	4 9	6 5	0 0	0 0	0 0			10 14
			- -	- -	- -	15 19	8 1	- -	- -	- -			15 19/ 1
Kindrogan (S)	NO 054629	259	0 0	0 0	1 0	12 10	15 23	10 7	2 0	0 0			40 40
			- -	- -	- -	8 19	20 9	7 4	- -	- -			20 9/ 2
Whitehillocks	NO 448800	258	0 0	0 0	0 0	4 3	11 13	3 6	0 0	0 0			18 22
			- -	- -	- -	1 6	8 9	5 4	- -	- -			8 9/ 2
<i>Fife</i>													
Leuchars (S)	NO 468209	10	0 0	0 0	0 0	5 0	11 0	5 0	2 0	0 0			23 0
			- -	- -	- -	- -	- -	- -	- -	- -			- -

Table 3 (continued)

1987						1988					
Station	Grid Reference	Alt. (m)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Season
<i>Lothian</i>											
Edinburgh (Blinkbonny)	NT 227741	41	0 0	1 0	1 0	6 0	5 0	3 0	1 0	0 0	17 0
			- -	- -	- -	- -	- -	- -	- -	- -	- -
Hopes	NT 551622	247	0 0	0 0	0 0	4 1	8 1	4 0	2 0	0 0	18 2
			- -	- -	- -	4 31	4 1	- -	- -	- -	4 31/ 1
Hungry Snout	NT 665633	218	0 0	0 0	0 0	7 0	10 1	5 0	2 0	0 0	24 1
			- -	- -	- -	- -	9 1	- -	- -	- -	9 1/ 2
<i>Borders</i>											
Baddinsgill	NT 126554	335	0 0	1 0	0 0	7 6	9 8	2 4	+ 1	0 0	+ 19
			- -	- -	- -	T 5	4 1	2 13	- -	- -	4 1/ 2
Dykecrofts	NY 502873	190	0 0	0 0	0 0	5 2	13 3	3 1	1 0	0 0	22 6
			- -	- -	- -	5 23	3 8	3 13	- -	- -	5 23/ 1
Portmore	NT 260507	305	0 0	3 0	0 0	8 1	8 1	6 0	3 0	0 0	28 2
			- -	- -	- -	1 18	10 1	- -	- -	- -	10 1/ 2
Sourhope	NT 843203	221	0 0	2 1	0 0	5 1	12 5	6 1	4 2	0 0	29 10
			- -	T 26	- -	T 18	5 1	2 13	2 9	- -	5 1/ 2
Stanhope Farm	NT 123296	226	0 0	1 1	0 0	9 2	12 5	6 1	2 0	0 0	30 9
			- -	T 25	- -	3 22	8 8	3 13	- -	- -	8 8/ 2
West Linton (S)	NT 150520	244	0 0	0 0	0 0	14 2	10 4	6 1	2 0	0 0	32 7
			- -	- -	- -	2 22	2 1	3 13	- -	- -	3 13/ 3
DISTRICT 6 — SCOTLAND W											
<i>Strathclyde</i>											
Abbotsinch (S)	NS 480667	5	0 0	0 0	1 0	10 1	13 1	8 2	0 0	0 0	32 4
			- -	- -	- -	1 19	T 12	1 13	- -	- -	1 19/ 1
Inverawe	NN 021316	23	2 0	1 0	0 0	12 0	12 3	13 0	3 0	0 0	43 3
			- -	- -	- -	- -	4 12	- -	- -	- -	4 12/ 2
Prestwick (S)	NS 369261	16	0 0	0 0	2 0	8 0	10 0	5 0	0 0	0 0	25 0
			- -	- -	- -	- -	- -	- -	- -	- -	- -
Tiree (S)	NL 999446	9	0 0	0 0	0 0	5 0	13 0	6 1	0 0	0 0	24 1
			- -	- -	- -	- -	- -	2 4	- -	- -	2 4/ 3
Upper Killeyan (S)	NR 281419	90	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
			- -	- -	- -	- -	- -	- -	- -	- -	- -
<i>Central</i>											
Brig O Turk	NN 537063	84	0 0	0 0	0 0	6 6	3 7	+ 2	0 0	0 0	+ 15
			- -	- -	- -	5 22	13 9	2 13	- -	- -	13 9/ 2
Couligarton	NN 454007	49	0 0	0 0	0 0	6 6	8 8	2 2	0 0	0 0	16 16
			- -	- -	- -	5 19	8 9	1 13	- -	- -	8 9/ 2
Glengyle	NN 388133	122	0 0	0 0	0 0	6 7	6 8	+ 3	0 0	0 0	+ 18
			- -	- -	- -	8 19	5 1	2 15	- -	- -	8 19/ 1
Loch Arklet	NN 376096	146	0 0	1 0	0 0	9 4	8 6	3 1	1 0	0 0	22 11
			- -	- -	- -	8 19	6 9	1 15	- -	- -	8 19/ 1
Loch Venachar	NN 598063	84	0 0	0 0	0 0	9 6	4 5	4 2	0 0	0 0	17 13
			- -	- -	- -	5 19	5 1	2 13	- -	- -	5 19/ 1
Stronachlachar (W)	NN 401103	117	0 0	0 0	0 0	+ 5	+ 6	1 2	0 0	0 0	+ 13
			- -	- -	- -	8 19	5 1	2 15	- -	- -	8 19/ 1
<i>Dumfries & Galloway</i>											
Bargrennan	NX 361789	110	0 0	0 0	0 0	1 1	3 3	2 1	0 0	0 0	6 5
			- -	- -	- -	1 22	6 8	T 1	- -	- -	6 8/ 2
Eskdalemuir	NT 235026	242	0 0	2 0	5 0	17 9	17 8	12 2	4 0	0 0	57 19
			- -	- -	- -	4 23	9 8	7 13	- -	- -	9 8/ 2

Table 3 (continued)

			1987				1988					
Station	Grid Reference	Alt. (m)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Season	
Forrest Lodge	NX 555866	152	0 0	0 0	0 0	4 6	4 2	+ 4	0 0	0 0	+ 12	
			- -	- -	- -	7 18	5 11	5 12	- -	- -	7 18/ 1	
Kirkbean	NX 978612	30	0 0	0 0	0 0	0 0	3 2	3 1	0 0	0 0	6 3	
			- -	- -	- -	- -	1 12	1 13	- -	- -	1 12/ 2	
DISTRICT 2 — ENGLAND E & NE												
Northumberland												
Boulmer (S)	NU 253142	23	0 0	3 0	0 0	4 0	13 0	5 2	3 0	0 0	28 2	
			- -	- -	- -	- -	- -	4 1	- -	- -	4 1/ 3	
Catcleugh	NT 749032	250	0 0	3 0	0 0	6 2	6 5	3 1	1 0	0 0	19 8	
			- -	- -	- -	4 19	11 1	5 13	- -	- -	11 1/ 2	
Hallington Resr	NY 973762	152	+ +	1 1	0 0	3 1	9 3	2 1	2 0	0 0	+ +	
			+ +	T 22	- -	T 23	1 1	2 13	- -	- -	+ +	
Haydon Bridge (S)	NY 839645	82	0 0	0 0	1 0	2 1	6 2	2 1	1 1	1 0	13 5	
			- -	- -	- -	2 18	1 24	5 13	T 9	- -	5 13/ 3	
Whittledene Resr	NZ 064680	116	+ +	1 0	0 0	2 0	7 2	3 1	0 0	0 0	+ +	
			+ +	- -	- -	- -	1 24	1 12	- -	- -	+ +	
Tyne & Wear												
Gosforth	NZ 240693	52	0 0	3 0	0 0	1 0	6 1	5 1	1 0	0 0	16 2	
			- -	- -	- -	- -	1 25	2 1	- -	- -	2 1/ 3	
Killingworth	NZ 282710	76	0 0	0 0	1 0	1 0	3 3	4 3	0 0	0 0	9 6	
			- -	- -	- -	- -	4 25	6 13	- -	- -	6 13/ 3	
Durham												
Burnhope	NZ 183475	244	0 0	1 1	1 0	0 0	6 2	3 0	1 1	0 0	12 4	
			- -	1 23	- -	- -	5 1	- -	1 9	- -	5 1/ 2	
North Yorkshire												
Chelker	SE 061513	223	0 0	0 0	0 0	3 3	3 4	2 1	0 0	0 0	8 8	
			- -	- -	- -	1 23	2 8	T 14	- -	- -	2 8/ 2	
High Mowthorpe (S)	SE 888685	175	0 0	0 0	0 0	+ 2	+ 4	+ 5	0 0	0 0	+ 11	
			- -	- -	- -	5 22	4 25	9 2	- -	- -	9 2/ 3	
Leeming (S)	SE 306890	32	0 0	4 0	0 0	5 1	13 3	5 1	1 0	0 0	28 5	
			- -	- -	- -	2 24	1 24	1 13	- -	- -	2 24/ 1	
Malham Tarn (S)	SD 894671	381	0 0	0 0	0 0	13 4	14 13	10 1	3 0	0 0	40 18	
			- -	- -	- -	8 24	21 11	5 14	- -	- -	21 11/ 2	
Osmotherley	SE 458967	147	0 0	0 0	0 0	3 0	0 0	4 4	1 0	0 0	8 4	
			- -	- -	- -	- -	- -	2 1	- -	- -	2 1/ 3	
Riccall	SE 608373	5	0 0	0 0	0 0	1 1	7 1	0 0	0 0	0 0	8 2	
			- -	- -	- -	3 23	3 24	- -	- -	- -	3 23/ 1	
Humberside												
Sledmere	SE 933648	121	0 0	5 0	3 0	6 3	14 7	7 8	2 0	0 0	37 18	
			- -	- -	- -	10 23	13 29	8 1	- -	- -	13 29/ 2	
Lincolnshire												
Binbrook (S)	TF 195958	108	0 0	1 0	2 0	5 2	15 2	9 2	3 0	0 0	35 6	
			- -	- -	- -	5 22	10 25	5 2	- -	- -	10 25/ 2	
Coningsby (S)	TF 224568	6	0 0	1 0	0 0	2 1	6 2	7 0	1 0	0 0	17 3	
			- -	- -	- -	2 22	1 25	- -	- -	- -	2 22/ 1	
DISTRICT 3 — EAST ANGLIA												
Norfolk												
Coltishall (S)	TG 262229	18	0 0	0 0	3 0	2 1	10 0	7 1	0 0	0 0	22 2	
			- -	- -	- -	1 22	- -	T 1	- -	- -	1 22/ 1	
Costessey	TG 176121	6	0 0	1 0	3 0	2 2	8 3	6 4	1 0	0 0	21 9	
			- -	- -	- -	6 22	1 25	2 1	- -	- -	6 22/ 1	
Marham (S)	TF 737091	21	0 0	1 0	2 0	2 1	9 3	7 2	1 0	0 0	22 6	
			- -	- -	- -	2 22	1 25	T 1	- -	- -	2 22/ 1	

Table 3 (continued)

			1987				1988					
Station	Grid Reference	Alt. (m)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Season	
<i>Cambridgeshire</i>												
Cambridge (S)	TL 434604	24	0 0	0 0	1 0	2 1	4 1	2 0	1 0	0 0	10 2	
			- -	- -	- -	11 22	T 25	- -	- -	- -	11 22/ 1	
Etton	TF 142048	11	0 0	0 0	0 0	2 2	1 1	0 0	0 0	0 0	3 3	
			- -	- -	- -	9 22	1 25	- -	- -	- -	9 22/ 1	
<i>Suffolk</i>												
Honington (S)	TL 888750	51	0 0	1 0	3 0	2 2	10 4	7 2	1 0	0 0	24 8	
			- -	- -	- -	5 22	1 11	T 1	- -	- -	5 22/ 1	
Wattisham (S)	TM 026514	89	0 0	0 0	1 0	3 2	11 4	7 0	1 0	0 0	23 6	
			- -	- -	- -	6 22	2 24	- -	- -	- -	6 22/ 1	
Wingfield	TM 235782	49	0 0	0 0	2 0	2 1	7 4	9 1	1 0	0 0	21 6	
			- -	- -	- -	3 22	4 28	4 5	- -	- -	4 28/ 2	
<i>Bedfordshire</i>												
Woburn (S)	SP 964360	89	0 0	0 0	0 0	2 2	5 1	0 0	1 0	0 0	8 3	
			- -	- -	- -	5 22	T 25	- -	- -	- -	5 22/ 1	
<i>Hertfordshire</i>												
Rothamsted (S)	TL 132134	128	0 0	0 0	2 0	2 2	8 2	3 0	1 1	0 0	16 5	
			- -	- -	- -	4 23	1 25	- -	T 9	- -	4 23/ 1	
<i>Essex</i>												
Langham	TM 018339	12	0 0	0 0	1 0	1 0	3 0	0 0	0 0	0 0	5 0	
			- -	- -	- -	- -	- -	- -	- -	- -	- -	
Layer-de-la-Haye	TL 965196	44	0 0	0 0	0 0	0 0	7 0	0 0	0 0	0 0	7 0	
			- -	- -	- -	- -	- -	- -	- -	- -	- -	
Rayleigh	TQ 805910	73	0 0	0 0	0 0	0 0	4 0	1 0	1 0	0 0	6 0	
			- -	- -	- -	- -	- -	- -	- -	- -	- -	
Stansted (S)	TL 531226	101	0 0	1 0	3 1	3 2	12 1	3 0	1 0	0 0	23 4	
			- -	- -	T 9	4 22	T 26	- -	- -	- -	4 22/ 1	
DISTRICT 4 — MIDLAND COUNTIES												
<i>West Yorkshire</i>												
Thornton Moor	SE 051334	363	0 0	1 1	0 0	3 3	+ 5	3 2	0 0	0 0	+ 11	
			- -	T 23	- -	5 23	3 8	5 14	- -	- -	5 23/ 1	
Wilsden (S)	SE 088349	262	0 0	0 0	0 0	7 5	14 4	7 1	3 0	0 0	31 10	
			- -	- -	- -	3 24	1 8	12 14	- -	- -	12 14/ 3	
<i>South Yorkshire</i>												
Finningley (S)	SK 659989	10	0 0	0 0	0 0	5 1	12 0	6 1	2 0	0 0	25 2	
			- -	- -	- -	1 22	- -	1 14	- -	- -	1 22/ 1	
Redmires	SK 262857	338	0 0	0 0	0 0	2 3	7 6	3 2	1 1	0 0	13 12	
			- -	- -	- -	11 22	15 11	16 14	5 9	- -	16 14/ 3	
<i>Derbyshire</i>												
Buxton (S)	SK 058734	307	0 0	0 0	0 0	4 3	10 5	5 1	2 0	0 0	21 9	
			- -	- -	- -	10 22	3 10	10 14	- -	- -	10 22/ 1	
Littleover	SK 335339	71	0 0	2 0	0 0	4 2	9 3	5 1	1 0	0 0	21 6	
			- -	- -	- -	8 22	5 12	T 14	- -	- -	8 22/ 1	
<i>Nottinghamshire</i>												
Watnall (S)	SK 503456	117	0 0	0 0	1 0	5 2	11 2	6 1	2 0	0 0	25 5	
			- -	- -	- -	10 22	T 8	2 14	- -	- -	10 22/ 1	
<i>Staffordshire</i>												
Hednesford	SK 017123	235	0 0	0 0	0 0	2 3	0 0	0 0	0 0	0 0	2 3	
			- -	- -	- -	20 22	- -	- -	- -	- -	20 22/ 1	

Table 3 (continued)

			1987					1988				
Station	Grid Reference	Alt. (m)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Season	
<i>Leicestershire</i>												
Market Harborough	SP 732879	96	0 0 - -	0 0 - -	0 0 - -	3 2 15 22	3 0 - -	1 0 - -	1 0 - -	0 0 - -	8 2 15 22/ 1	
Stanford	SP 596804	112	0 0 - -	0 0 - -	3 0 - -	3 2 10 22	7 0 - -	2 1 1 3	1 0 - -	0 0 - -	16 3 10 22/ 1	
<i>Shropshire</i>												
Shawbury (S)	SJ 553220	72	0 0 - -	2 0 - -	0 0 - -	4 2 5 22	6 1 2 11	2 0 - -	2 0 - -	0 0 - -	16 3 5 22/ 1	
<i>West Midlands</i>												
Elmdon (S)	SP 167841	98	0 0 - -	1 0 - -	0 0 - -	5 2 12 22	9 0 - -	3 0 - -	1 0 - -	0 0 - -	19 2 12 22/ 1	
<i>Hereford & Worcester</i>												
Longtown	SO 322291	172	0 0 - -	1 0 - -	0 0 - -	3 2 6 22	5 2 T 4	0 0 - -	1 0 - -	0 0 - -	10 4 6 22/ 1	
Martley	SO 743598	53	0 0 - -	0 0 - -	0 0 - -	2 2 4 22	4 0 - -	1 1 T 1	1 0 - -	0 0 - -	8 3 4 22/ 1	
<i>Gloucestershire</i>												
Didbrook Fields (S)	SP 048320	80	0 0 - -	0 0 - -	1 0 - -	1 1 2 22	4 1 T 4	1 0 - -	1 0 - -	0 0 - -	8 2 2 22/ 1	
<i>Oxfordshire</i>												
Brize Norton (S)	SP 292067	81	0 0 - -	0 0 - -	1 0 - -	4 1 2 22	9 1 T 11	2 0 - -	1 0 - -	0 0 - -	17 2 2 22/ 1	
Shirburn (S)	SU 695971	108	0 0 - -	0 0 - -	1 0 - -	1 1 1 22	7 0 - -	1 0 - -	1 0 - -	0 0 - -	11 1 1 22/ 1	
<i>Buckinghamshire</i>												
Little Chalfont	SU 988968	130	0 0 - -	0 0 - -	1 0 - -	1 1 2 22	7 1 1 25	4 0 - -	1 1 T 9	0 0 - -	14 3 2 22/ 1	
DISTRICT 5 — ENGLAND SE & CENTRAL S												
<i>Greater London</i>												
Eastcote	TQ 110881	53	0 0 - -	0 0 - -	1 0 - -	1 0 - -	2 0 - -	1 0 - -	1 0 - -	0 0 - -	6 0 - -	
Teddington	TQ 169703	9	0 0 - -	0 0 - -	1 0 - -	1 0 - -	5 0 - -	1 0 - -	1 0 - -	0 0 - -	9 0 - -	
<i>Wiltshire</i>												
Lyneham (S)	SU 006782	145	0 0 - -	0 0 - -	1 0 - -	2 0 - -	13 0 - -	4 2 2 4	1 0 - -	0 0 - -	21 2 2 4/ 3	
<i>Surrey</i>												
Camberley	SU 867600	66	0 0 - -	0 0 - -	0 0 - -	0 0 - -	3 0 - -	0 0 - -	0 0 - -	0 0 - -	3 0 - -	
<i>Kent</i>												
East Malling (S)	TQ 708571	33	0 0 - -	0 0 - -	0 0 - -	2 0 - -	7 0 - -	2 0 - -	1 0 - -	0 0 - -	12 0 - -	
Lyminge	TR 138405	182	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	
Manston (S)	TR 335666	44	0 0 - -	0 0 - -	1 0 - -	0 0 - -	5 0 - -	3 0 - -	0 0 - -	0 0 - -	9 0 - -	
Penshurst Place	TQ 528440	40	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	
Wye (S)	TR 058469	56	0 0 - -	0 0 - -	0 0 - -	0 0 - -	4 1 T 26	0 0 - -	1 0 - -	0 0 - -	5 1 T 26/ 2	

Table 3 (continued)

			1987					1988						
Station	Grid Reference	Alt. (m)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Season			
<i>Hampshire</i>														
Southampton (S)	SU 416112	3	0 0 - -	0 0 - -	0 0 - -	1 0 - -	3 0 - -	1 0 - -	1 0 - -	0 0 - -	6 0 - -			
<i>West Sussex</i>														
Gatwick (S)	TQ 265407	59	0 0 - -	0 0 - -	2 0 - -	0 0 - -	8 1 T 25	3 0 - -	1 0 - -	0 0 - -	14 1 T 25/ 2			
Washington	TQ 118135	53	0 0 - -	0 0 - -	0 0 - -	0 0 - -	8 1 1 25	2 0 - -	1 0 - -	0 0 - -	11 1 1 25/ 2			
DISTRICT 7a — ENGLAND NW & ISLE OF MAN														
<i>Cumbria</i>														
Alston	NY 717471	287	0 0 - -	1 0 - -	0 0 - -	10 5 3 18	8 9 9 8	7 2 3 13	3 0 - -	0 0 - -	29 16 9 8/ 2			
Dale Head	NY 313175	189	0 0 - -	0 0 - -	0 0 - -	2 2 3 23	6 5 3 1	3 1 1 14	0 0 - -	0 0 - -	11 8 3 23/ 1			
Ennerdale (W)	NY 085153	117	0 0 - -	+ + - -	0 0 - -	1 1 T 22	0 0 - -	0 0 - -	0 0 - -	0 0 - -	+ + T 22/ 1			
Geltsdale	NY 575537	229	0 0 - -	0 0 - -	0 0 - -	3 0 - -	8 2 3 6	3 2 5 13	1 0 - -	0 0 - -	15 4 5 13/ 3			
Haweswater	NY 503159	213	0 0 - -	0 0 - -	0 0 - -	5 4 1 18	6 6 5 8	4 3 1 14	1 0 - -	0 0 - -	16 13 5 8/ 2			
Lanthwaite	SD 165851	44	0 0 - -	0 0 - -	0 0 - -	1 1 8 23	0 0 - -	0 0 - -	0 0 - -	0 0 - -	1 1 8 23/ 1			
<i>Lancashire</i>														
Bacup	SD 847198	404	0 0 - -	0 0 - -	0 0 - -	5 3 10 23	11 3 8 8	3 1 8 14	2 1 2 9	0 0 - -	21 8 10 23/ 1			
Belmont	SD 692142	247	0 0 - -	0 0 - -	0 0 - -	7 3 12 23	11 3 3 11	2 1 6 13	1 1 1 3	0 0 - -	21 8 12 23/ 1			
Slaidburn	SD 717547	192	0 0 - -	0 0 - -	0 0 - -	11 3 2 22	12 2 T 6	8 1 2 14	1 0 - -	0 0 - -	32 6 2 22/ 1			
Squires Gate (S)	SD 316316	10	0 0 - -	0 0 - -	0 0 - -	3 0 - -	3 0 - -	1 0 - -	1 0 - -	0 0 - -	8 0 - -			
<i>Greater Manchester</i>														
Ringway (S)	SJ 821849	75	0 0 - -	0 0 - -	0 0 - -	6 1 1 22	9 0 - -	2 0 - -	2 0 - -	0 0 - -	19 1 1 22/ 1			
Strinesdale	SD 955064	241	0 0 - -	0 0 - -	0 0 - -	7 7 5 22	14 2 3 6	4 4 8 13	1 1 - -	0 0 - -	26 14 8 13/ 3			
<i>Cheshire</i>														
Northwich	SJ 656729	14	0 0 - -	0 0 - -	0 0 - -	3 3 2 21	3 0 - -	0 0 - -	0 0 - -	0 0 - -	6 3 2 21/ 1			
<i>Isle Of Man</i>														
Point Of Ayre (S)	NX 463047	9	0 0 - -	0 0 - -	0 0 - -	0 0 - -	2 0 - -	1 0 - -	0 0 - -	0 0 - -	3 0 - -			
Douglas (S)	SC 381776	85	0 0 - -	0 0 - -	0 0 - -	2 0 - -	3 0 - -	1 0 - -	0 0 - -	0 0 - -	6 0 - -			
Ronaldsway (S)	SC 279687	16	0 0 - -	0 0 - -	0 0 - -	2 0 - -	5 0 - -	3 0 - -	0 0 - -	0 0 - -	10 0 - -			

Table 3 (continued)

			1987					1988					
Station	Grid Reference	Alt. (m)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Season		
DISTRICT 7b — WALES N													
<i>Gwynedd</i>													
Dolgellau	SH 732177	27	0 0	0 0	1 1	1 1	0 0	1 1	0 0	0 0	3	3	
			- -	- -	T 11	1 22	- -	2 1	- -	- -	2	1/ 3	
Nantmor	SH 603463	52	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0	0	
			- -	- -	- -	- -	- -	- -	- -	- -	-	-	
Pen-y-Bryn Isaf	SH 636513	76	0 0	0 0	0 0	0 0	10 0	3 2	0 0	0 0	13	2	
			- -	- -	- -	- -	- -	1 4	- -	- -	1	4/ 3	
Valley (S)	SH 309757	10	0 0	0 0	0 0	3 0	4 0	4 0	0 0	0 0	11	0	
			- -	- -	- -	- -	- -	- -	- -	- -	-	-	
<i>Clwyd</i>													
Alwen	SH 957529	335	1 0	4 1	1 0	10 3	15 7	8 1	3 0	0 0	42	12	
			- -	1 23	- -	17 22	12 11	3 4	- -	- -	17	22/ 1	
Bwlch Tunnel	SJ 163581	274	0 0	1 0	0 0	7 2	12 3	3 2	1 1	0 0	24	8	
			- -	- -	- -	13 22	10 10	1 4	1 9	- -	13	22/ 1	
Cae Llwyd	SJ 269482	280	0 0	0 0	1 0	6 2	9 1	2 1	0 0	0 0	18	4	
			- -	- -	- -	13 22	1 10	T 4	- -	- -	13	22/ 1	
Mold (Mount Pleasant)	SJ 256663	153	0 0	0 0	0 0	2 2	7 0	2 1	1 1	0 0	12	4	
			- -	- -	- -	10 22	- -	1 4	1 9	- -	10	22/ 1	
<i>Powys (North)</i>													
Llanfair Caereinion (S)	SJ 133057	236	0 0	0 0	0 0	6 2	9 4	1 1	1 0	0 0	17	7	
			- -	- -	- -	22 22	4 11	2 1	- -	- -	22	22/ 1	
DISTRICT 8a — WALES S													
<i>Dyfed</i>													
Aberporth	SN 242521	133	0 0	0 0	0 0	2 1	4 0	4 0	0 0	0 0	10	1	
			- -	- -	- -	1 22	- -	- -	- -	- -	1	22/ 1	
Brawdy (S)	SM 851248	111	0 0	1 0	2 0	0 0	7 0	4 0	0 0	0 0	14	0	
			- -	- -	- -	- -	- -	- -	- -	- -	-	-	
Towy Castle	SN 406141	84	0 0	0 0	0 0	0 0	5 0	6 0	1 0	0 0	12	0	
			- -	- -	- -	- -	- -	- -	- -	- -	-	-	
<i>Powys (South)</i>													
Storey Arms	SN 983203	440	0 0	1 0	1 0	7 2	10 6	4 1	1 0	0 0	24	9	
			- -	- -	- -	2 22	3 10	1 4	- -	- -	3	10/ 2	
Velindre (S)	SO 186371	152	0 0	1 0	1 0	4 2	11 1	3 0	1 0	0 0	21	3	
			- -	- -	- -	7 22	T 4	- -	- -	- -	7	22/ 1	
<i>West Glamorgan</i>													
Penmaen	SS 531889	87	0 0	0 0	0 0	0 0	0 0	3 0	0 0	0 0	3	0	
			- -	- -	- -	- -	- -	- -	- -	- -	-	-	
Swansea (S)	SS 642923	10	0 0	0 0	0 0	0 0	2 0	0 0	0 0	0 0	2	0	
			- -	- -	- -	- -	- -	- -	- -	- -	-	-	
<i>Mid Glamorgan</i>													
Cwmbargoed	SO 081062	372	0 0	2 0	0 0	11 3	10 5	5 2	1 1	0 0	29	11	
			- -	- -	- -	6 22	10 11	1 1	- -	- -	10	11/ 2	
Merthyr Tydfil	SO 048071	235	0 0	0 0	0 0	3 0	6 0	+	+	0 0	+	+	
			- -	- -	- -	- -	- -	+	+	- -	+	+	
<i>South Glamorgan</i>													
Barry	ST 077668	64	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0	0	
			- -	- -	- -	- -	- -	- -	- -	- -	-	-	
Rhose (S)	ST 066678	65	1 0	1 0	3 0	1 0	9 0	3 0	0 0	0 0	18	0	
			- -	- -	- -	- -	- -	- -	- -	- -	-	-	

Table 3 (continued)

1987

1988

Station	Grid Reference	Alt. (m)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Season
DISTRICT 8b — ENGLAND SW											
<i>Avon</i>											
Long Ashton (S)	ST 535699	51	0 0 - -	0 0 - -	0 0 - -	0 0 - -	2 0 - -	0 0 - -	1 0 - -	0 0 - -	3 0 - -
<i>Somerset</i>											
Hawkridge	SS 877327	314	0 0 - -	0 0 - -	1 0 - -	2 0 - -	7 4 1 8	2 2 1 4	0 0 - -	0 0 - -	12 6 1 8/2
Nettlecombe/Birds Hill(S)	ST 057363	280	0 0 - -	0 0 - -	0 0 - -	0 0 - -	6 0 - -	0 0 - -	0 0 - -	0 0 - -	6 0 - -
Yeovilton (S)	ST 551237	18	0 0 - -	0 0 - -	1 0 - -	0 0 - -	6 0 - -	2 0 - -	0 0 - -	0 0 - -	9 0 - -
<i>Dorset</i>											
Dorchester	SY 693891	60	0 0 - -	0 0 - -	0 0 - -	0 0 - -	2 0 - -	1 0 - -	0 0 - -	0 0 - -	3 0 - -
Hurn (S)	SZ 117978	10	0 0 - -	0 0 - -	0 0 - -	0 0 - -	5 0 - -	0 0 - -	1 0 - -	0 0 - -	6 0 - -
<i>Devon</i>											
Burrator	SX 553680	230	0 0 - -	0 0 - -	0 0 - -	2 1 T 31	+ + + +	3 2 2 5	0 0 - -	0 0 - -	+ + + +
Chagford	SX 661866	381	0 0 - -	0 0 - -	2 0 - -	4 1 T 31	8 5 3 7	2 3 4 1	0 0 - -	0 0 - -	16 9 4 1/3
Exeter (S)	SY 001933	32	0 0 - -	0 0 - -	1 0 - -	0 0 - -	6 0 - -	3 0 - -	0 0 - -	0 0 - -	10 0 - -
North Hessary Tor	SX 585735	427	0 0 - -	0 0 - -	3 1 1 3	2 0 - -	7 2 8 6	3 1 1 4	0 0 - -	0 0 - -	15 4 8 6/2
Okehampton	SX 593943	240	0 0 - -	1 0 - -	2 0 - -	4 1 3 31	13 4 1 4	4 3 T 1	0 0 - -	0 0 - -	24 8 3 31/1
Plymouth	SX 514529	49	0 0 - -	0 0 - -	0 0 - -	0 0 - -	2 0 - -	3 0 - -	0 0 - -	0 0 - -	5 0 - -
Yalland	SX 690628	264	0 0 - -	0 0 - -	1 1 1 3	3 0 - -	7 1 T 10	2 0 - -	0 0 - -	0 0 - -	13 2 1 3/12
<i>Cornwall</i>											
Bastreet (S)	SX 244765	236	0 0 - -	0 0 - -	0 0 - -	0 0 - -	4 2 T 6	2 2 1 4	0 0 - -	0 0 - -	6 4 1 4/3
Camborne (S)	SW 628407	87	0 0 - -	0 0 - -	1 0 - -	0 0 - -	3 0 - -	1 0 - -	0 0 - -	0 0 - -	5 0 - -
St Mawgan	SW 871642	103	0 0 - -	1 0 - -	0 0 - -	0 0 - -	1 0 - -	5 0 - -	0 0 - -	0 0 - -	7 0 - -

Figure 2 Distribution of snow cover 1987/88

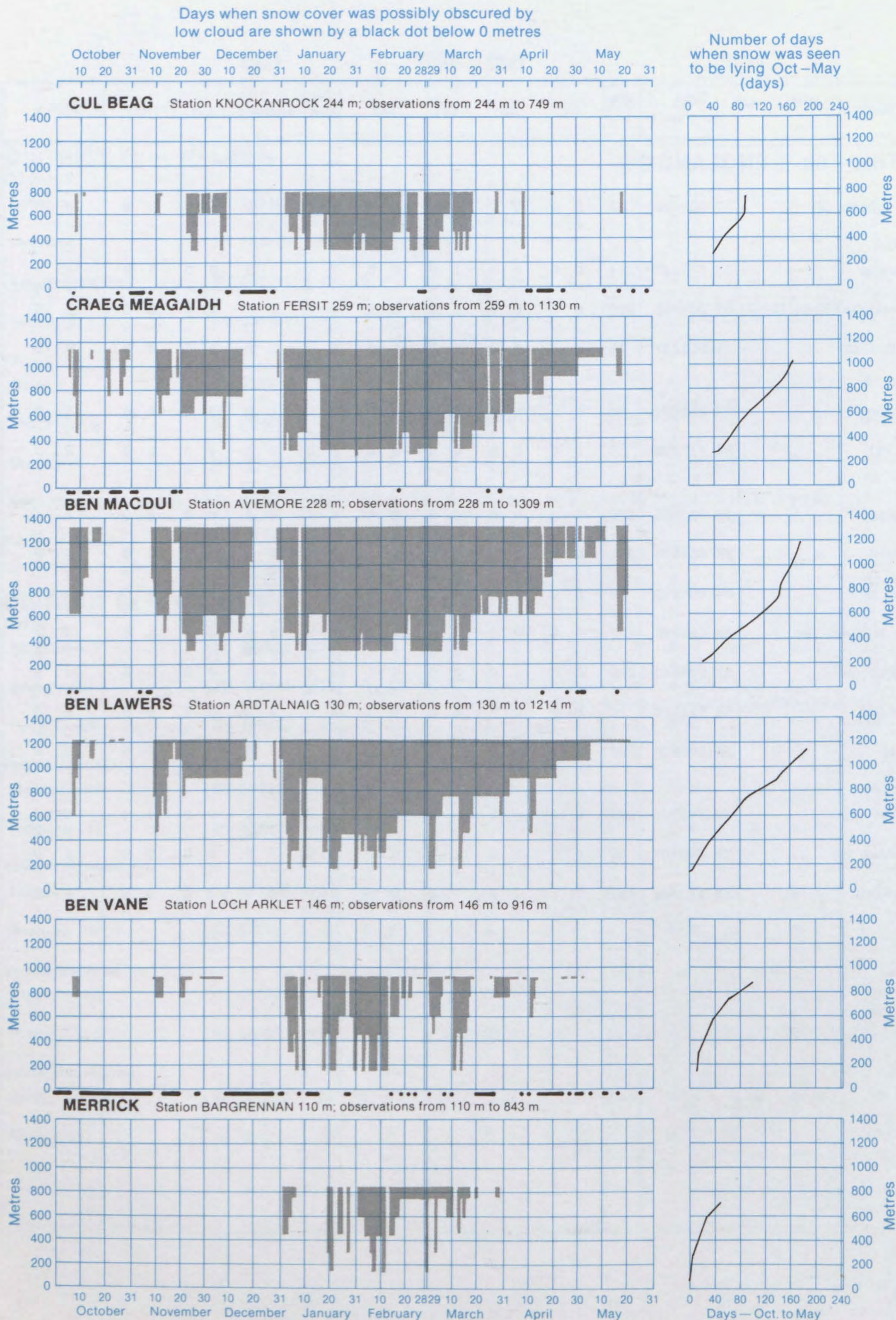


Figure 2 (continued)

Days when snow cover was possibly obscured by low cloud are shown by a black dot below 0 metres

Number of days when snow was seen to be lying Oct–May (days)

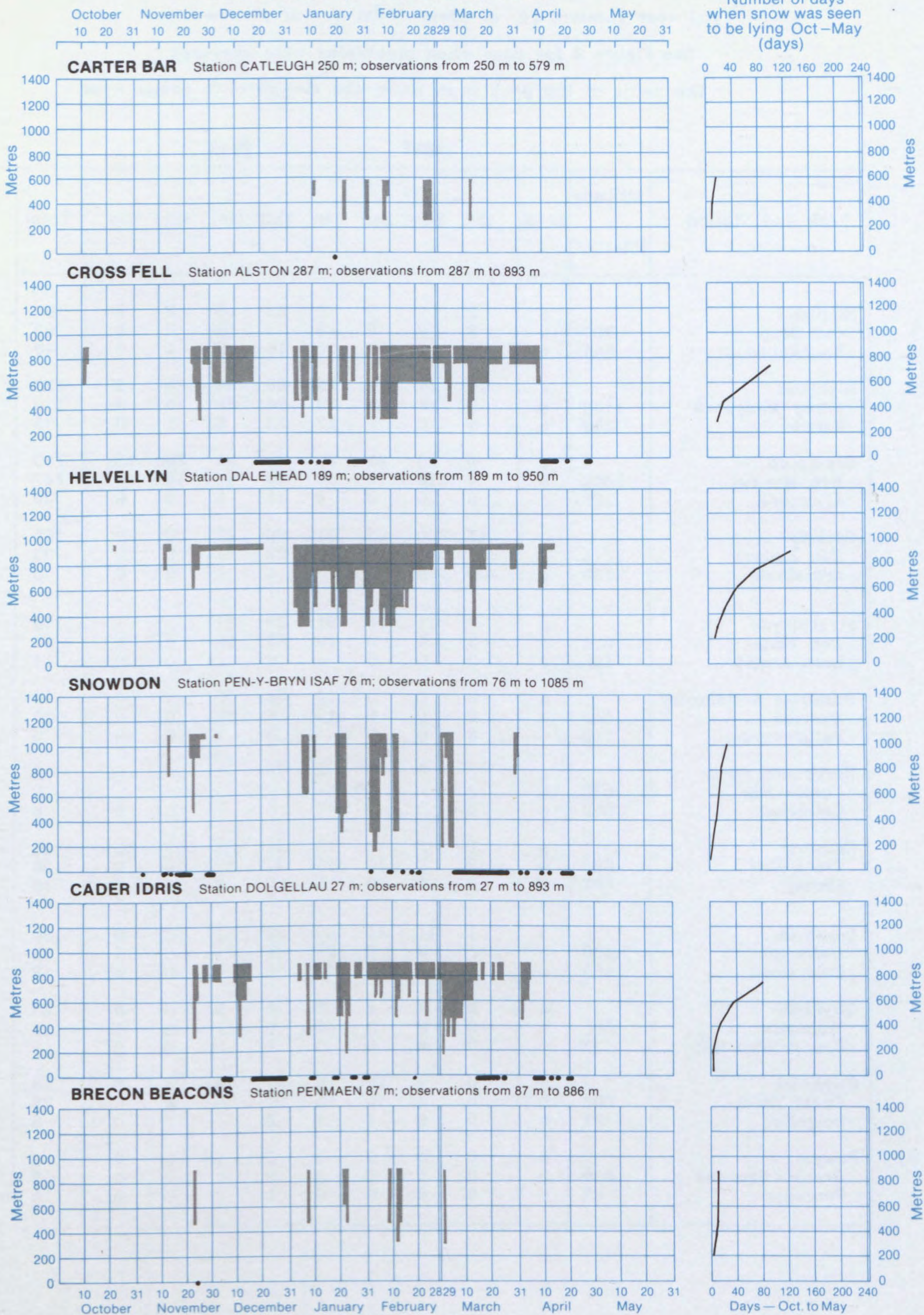


Table 4 Number of days with snow observed to be lying in the mountains

(a) near summit, (b) at about 750m, (c) at station level

See Figure 2 for days when mountains were obscured

The name of the peak is in italic, the station is in roman type.

			1987			1988					
Peak and Station	Altitude (metres)	Level	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
Highland <i>Cul Beag</i> Knockanrock	769 244	a b c	2 2 1	9 9 2	9 9 1	28 28 10	23 23 16	19 19 9	2 2 1	1 1 0	93 93 40
Highland <i>Creag Meagaidh</i> Fersit	1130 259	a b c	11 5 0	17 15 0	17 16 1	29 23 12	28 28 13	29 29 8	29 16 1	13 0 0	173 132 35
Grampian <i>Ben Macdui</i> Aviemore	1309 228	a b c	9 4 0	20 16 0	20 19 0	30 28 8	29 29 11	31 31 6	28 16 0	13 4 0	180 147 25
Tayside <i>Ben Lawers</i> Ardtnaig	1214 130	a b c	11 1 0	20 6 0	20 0 0	31 21 3	29 29 1	31 31 1	30 5 0	23 0 0	195 93 5
Strathclyde <i>Ben Vane</i> Loch Arklet	916 146	a b c	3 3 0	11 5 0	11 0 0	21 19 4	25 20 6	21 15 1	16 5 0	1 0 0	109 67 11
Dumfries & Galloway <i>Merrick</i> Bargrennan	843 110	a b c	0 0 0	0 0 0	0 0 0	10 10 1	26 26 3	20 20 1	0 0 0	0 0 0	56 56 5
Northumberland <i>Carter Bar</i> Catcleugh	579 250	a b c	0 - 0	0 - 0	0 - 0	2 - 2	6 - 5	1 - 1	0 - 0	0 - 0	9 - 8
Cumbria <i>Cross Fell</i> Alston	893 287	a b c	2 2 0	7 7 0	14 14 0	13 13 5	24 24 9	27 27 2	9 9 0	0 0 0	96 96 16
Cumbria <i>Helvellyn</i> Dale Head	950 189	a b c	1 0 0	11 4 0	21 0 0	29 29 2	29 26 5	31 11 1	8 3 0	0 0 0	130 73 8
Gwynedd <i>Snowdon</i> Pen-y-Bryn Isaf	1085 76	a b c	0 0 0	7 2 0	1 0 0	7 6 0	8 6 0	5 4 2	0 0 0	0 0 0	28 18 2
Gwynedd <i>Cader Idris</i> Dolgellau	893 27	a b c	0 0 0	4 4 0	10 10 1	15 15 1	27 27 0	18 18 1	4 4 0	0 0 0	78 78 3
Powys <i>Brecon Beacons</i> Penmaen	886 87	a b c	0 0 0	1 1 0	0 0 0	3 3 0	3 3 0	1 1 0	0 0 0	0 0 0	8 8 0