



The Met. Office

Snow Survey of
Great Britain
1990/91



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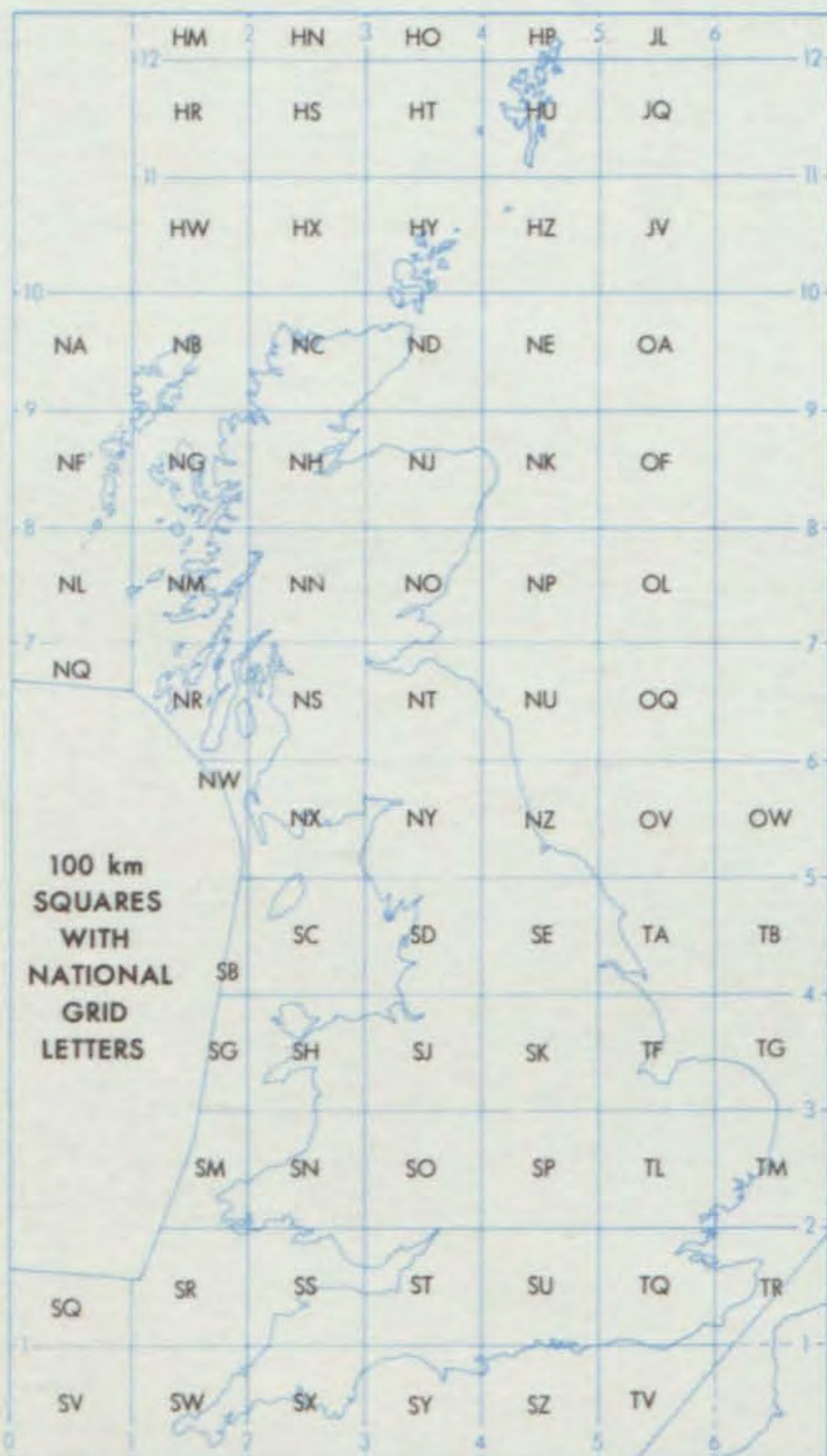
The Met. Office
Commercial Services Division
September 1991

Figure 1

Positions of snow survey stations

DISTRICTS

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND EAST AND NORTH EAST
- 3 EAST ANGLIA
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH EAST AND CENTRAL SOUTHERN
- 6 SCOTLAND WEST
- 7a ENGLAND NORTH WEST AND ISLE OF MAN
- 7b WALES NORTH
- 8a WALES SOUTH
- 8b ENGLAND SOUTH WEST



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 1990 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 UTC. 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 1990. The main report begins with a description of the 1990/91 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 seasons from 1946/47 to 1990/91. 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. Boscombe Down was replaced by Lyneham in 1988.

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 in centimetres 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 observation 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 1990

June 1990

Patches were observed in central areas on ground above 850 m until the 20th; after this date only a few patches remained on highest ground.

July 1990

In central areas all visible snow disappeared by the 22nd though small patches were observed to north-east of Blair Atholl on the 25th.

August 1990

No reports were received of snow lying during August.

September 1990

The first autumn cover was observed above 600 m on the 19th and above 800 m on the 21st.

4 Snow observations in Great Britain during the season 1990/91

4.1 Number of days with snow or sleet falling

Over Great Britain as a whole the number of days with snow or sleet falling was about normal. However, some places, especially in the south and west had slightly in excess of normal snowfall.

Snow fell on the higher summits of the Scottish mountains on up to 82 days, but over the Highlands generally on between 20 and 40 days; snow fell on 52 days at Kirkwall, Orkney. Over the Pennines snow fell on up to 43 days in the northern parts and around 30 days in the southern area. Snow fell on about 30 days in the eastern Midlands and up to 36 days in places in the western Midlands, although generally snow fell on 11 to 16 days at lower levels. Snow fell on the Downs in southern England on up to 24 days and on up to 20 days on the moors in the south-west. Over high ground in Wales snow fell on 40 to 50 days.

4.2 Number of days with snow lying

The number of days with snow lying at 09 UTC was higher than usual in places, especially in parts of central and southern Scotland, South Wales and southern and western England.

Snow lay on between 50 and 80 days on the Scottish Highlands, on up to 96 days at Cairngorm Chairlift. Over the Southern Uplands snow lay for 30 to 40 days, the duration being above the average in some places. Over the Pennines the snow duration varied from about 50 days in the north to 34 days in the south. Over the Midlands and southern England generally the duration of snow lying was 10 to 15 days. Snow lay for up to 30 days on high ground in Wales.

4.3 Notes on the weather of individual months

October 1990

October was a mild month everywhere.

It was a wet month in many areas although rather dry in some central and southern areas.

On the 4th a trace of snow was observed on extreme summits of central Scotland. On the 7th showers turned to snow for a while on Fair Isle, Shetland. The last three days of October became much colder with sleet falling at Ardtalnaig and snow settling briefly at night at just below 200 m and at about 350 m on the morning of the 31st. On the 30th and 31st snow falling over the southern Highlands was lying at lower levels, Balquhidder, north of the Trossachs, reporting 2 cm of lying snow on the 31st.

Snow lay on between 3 and 8 days at 1200 m, between 2 and 5 days at 900 m, on 2 to 4 days down to 600 m, and on one day down to 150 m, mainly in the Scottish Highlands. There was a snow cover on up to 3 days on the northern Pennines.

November 1990

Temperatures were generally about average over the month.

A generally dry month, although unsettled between the 9th and 27th.

On the 18th sleet fell on the Cairngorms and Southern Uplands in Scotland and as far south as Shropshire in England, with snow lying on the higher parts of the Pennines. On the 20th sleet came to many places as far south as mid Wales, leaving 3 cm of level snow lying on the northern Pennines. Early on the 21st further sleet came to many places as far south as South Wales, the Cotswolds and East Anglia, and up to 4 cm of snow on the northern Pennines. On the 23rd rain was preceded by sleet or snow in many areas. Mid Wales and the Brecon Beacons had between 2 cm and 10 cm of lying snow. Sleet fell in the Bristol area and there was hail over Devon and Cornwall. On the 24th rain came to southern areas, but sleet elsewhere and snow on high ground as far south as Bristol. On the 25th sleet fell over high ground and snow lay on the Brecon Beacons.

Snow lay for up to 21 days on the north-west Highlands and for the whole month on the summits of the central Highlands, for up to 8 days on the Southern Uplands and up to 13 days on the northern Pennines. Snow lay on two days on the moors of south-west England and for up to 12 days on the mountains in North Wales and 9 days in South Wales.

December 1990

Temperatures were generally average.

It was wet generally in the north and west and rather dry in the south and east.

On the 7th and 8th there was some very heavy snowfall over northern England, Wales, the Midlands and south-west England, with heavy drifting in gale-force winds, causing considerable disruption to traffic of all sorts and cutting power lines. The snow did not freeze, however, but melted very rapidly during the next few days, as the temperature rose a little. Snow and sleet fell everywhere except over East Anglia and parts of the south coast on the 7th, and on the 8th there was snow or sleet over most of England and Wales and the north and east of Scotland, with 30 cm reported at Emley Moor and 19 cm at Wilsden, both West Yorkshire, and 12 cm at Isle of Rhum, Strathclyde Region. Further snow on the 9th gave 53 cm of level snow measured at Llanarmon Dyffryn Ceiriog, Clwyd after some hours of continuous snowfall, 15 cm at Cellarhead, Staffordshire and 10 cm at Cynwyd, Powys. The snowfall on the 9th was the heaviest pre-Christmas fall in the Dorchester, Dorset area for 23 years (since 9 December 1967). Many places in England and Wales reported light snow or sleet falling on the 17th, 18th and 19th and in the far north and west of Scotland on the 20th. Sleet and snow were reported as far south as South Wales on the 27th.

The Brecon area was not badly affected by the December snows, and traffic was not greatly disrupted. The Black Mountains had more than half cover on only 4 mornings; however, there was some snow lying on the Black Mountains on 28 mornings.

The duration of snow cover was from 3 to 17 days in Shetland, and between 8 and 28 days generally in the north-west Highlands; in the central Highlands many of the summits had a cover throughout the month, but in many places snow lay for half the month down to about 400 m. On the Southern Uplands snow lay on between 5 and 23 days, on the high ground on the Welsh border in Herefordshire on up to 8 days and up to 4 days on the moors of south-west England. Snow lay for up to 21 days on the mountains in Wales above 600 m.

January 1991

It was a mild month in northern Scotland and central and south-eastern England including East Anglia, and cold elsewhere.

Monthly rainfall totals were above normal except in eastern Scotland and the Western Isles, and northern and eastern England including East Anglia.

Between the 3rd and 5th snow showers were frequent over Scotland and heavy enough to cause serious problems on upland highways. Snow or sleet fell as far south as the Cotswolds on the 6th and 7th and Shropshire on the 9th. Snowfall was heavy over southern Scotland on the 8th. Sudden snowfall late in the afternoon of the 8th caused severe traffic problems in the area of Burnhope, Co. Durham. Early on the 12th snow fell as far south as Derbyshire and the hills of South Wales with 12 cm of level snow reported lying on the Southern Uplands. Occasional snowfall was reported on the 13th, 14th, and 16th, mainly over Scotland. On the 17th sleet fell over parts of South Yorkshire and the east Midlands. Some snowfall was reported on high ground in Wales on the 25th. On the 26th there was an isolated report of sleet in East Anglia, but during the 27th further falls of snow were reported over Wales, north-west England

and the Midlands. On the 29th snow fell over North Wales and eastern England and mainly as sleet over high ground in Scotland. On the 30th snow or sleet fell over western and southern areas, with snow depths of 5 cm reported on high ground in South Wales and about 4 cm in the south Midlands. The depth of lying snow increased to 15 cm over high ground in South Wales and 10 cm over north Devon on the 31st. In the Brecon area untreated roads were very slippery on the morning of the 31st with a covering of snow over ice; nearly 5 cm of snow was lying later on the 31st. The 27th was unusual for the persistence of snow grain precipitation; snow grains lasted all day and past dusk in the Brecon area.

In Scotland, skiers and winter-mountaineers at last were able to enjoy a January worthy of the name, with a persistent blanket of snow and ice covering the mountains. Fealar Lodge at an altitude of 500 m in the mountainous area between Braemar and Blair Atholl reported an undrifted snow depth of almost a metre (93 cm) at mid month and at no time during January was the snow depth any less than 26 cm. Snow lay for the whole month on the summits of the Scottish mountains and in many places in Scotland down to 450 m. Snow lay on the northern Pennines for up to 22 days, on the southern Pennines for from 3 to 5 days, in southern and south-west England for 2 days. Snow cover lasted up to 16 days on high ground in South Wales and for most of the month on the summits of the mountains in North Wales.

February 1991

The month was cold nearly everywhere. A very cold spell lasted from the 6th to 15th, with the temperature dropping to as low as -16.0°C at Cawood, North Yorkshire on the 14th; daytime temperatures did not rise above freezing between the 5th and 10th.

It was a wet month in most parts of eastern Scotland and eastern England and generally drier than normal elsewhere.

On the 1st there were widespread falls of sleet and snow. Early on the 2nd there was an area of snow and sleet over mainly central areas of England and Wales. On the 6th, generally light falls of snow came to eastern and central areas; Anvil Green, Kent reported 6 cm of snow lying. During the 7th most places had further showers or longer periods of snow, with some falls of heavy snow from northern to south-eastern England. By late evening some places had up to 14 cm of level snow lying. Heavy snowfall on the afternoon of the 7th brought much of Powys to a standstill for about 36 hours. Local press reported snow depth of 'up to 12 inches' (30 cm) in many parts; transport in the vicinity of Brecon Beacons was badly affected, with four major roads closed, including the A470, Brecon to Merthyr and the A479 over the Black Mountains: all were reopened by the 9th but many minor roads were impassable. Press reports mentioned five lorry drivers spending the night of Thursday 7th cut off on the Sugar Loaf mountain road between Llanwrtyd Wells and Llandovery and some 60 schools in the county remained closed on the 8th. Early on the 8th snow fell in many places in the south-east. By late morning there were snow depths of up to 20 cm generally, but depths varied, with 47 cm at Wilsden, West Yorkshire

and 35 cm at Pencelli, Powys, while the 20 cm in central London was probably the greatest depth there since the end of December 1962. Later on the 10th snow showers fell mainly over eastern areas, and were heavy in places, adding further to the snow cover. Later on the 22nd further snow came to some parts of the west and north. Some places in north-east England and eastern Scotland had snow or sleet during the night of the 27th/28th.

In North Wales snowfall from the 1st to 12th with a depth of 18 cm caused little disruption to road traffic. There were no substantial snowfalls during the month; nevertheless, snow cover was maintained for about 15 days. By the end of the month snow was only seen on the Berwyn range as isolated drifts. In the central Highlands snow lay at station level from the 6th to 17th, with depths of 15 cm on the 9th and 10th, thence gradually decreasing by the 14th. The north side of Loch Tay (south facing slopes) was clear of snow below 400 m by the 14th and below 500 m by the 17th. By the 19th a general thaw cleared cover below 500 m generally and by 25th cover had retreated to about 650 m (750 m on west-facing slopes, 500 m east-facing). On 28th snow cover returned to about 150 m, but by noon had retreated to 300 m. Snow early in the month thawed on sunny slopes but the accumulated falls of 6th — 13th gave complete cover at all levels for 15 days when a thaw of thin snow cover on wind-blown areas began. Progress was slow, however, until a very rapid thaw over the 22nd/23rd left snow lying in only the deepest gullies and very shaded areas. Fortunately snowfall was relatively light during the thaw period which eased the problem of local flooding.

Snow lay on between 15 and 25 days in parts of the north-west Highlands and for the whole month on the tops of the central Highlands and in places down to 450 m. Over much of Scotland and northern England the duration of snow cover was about 20 days, and in places the snow line was down to 450 m over that number of days. Snow lay on up to 14 days in the Midlands and south-west England, on up to 23 days over North Wales and 15 to 22 days in South Wales.

March 1991

March was a mild month everywhere in all areas.

It was a wet month nearly everywhere, the exceptions being parts of central and eastern England and the northernmost part of the Western Isles where rainfall was below normal.

On the 22nd and 23rd isolated outbreaks of sleet or snow were reported over eastern coastal areas from the Humber northwards.

In central parts of Scotland there was a steady but slow retreat of old snow to the highest ground, although isolated drifts remained at below 600 m.

Snow lay on about 9 days on the summits of the mountains in the north-west Highlands, but for the whole month in parts of the central Highlands over 1000 m. Snow cover in the northern Pennines lasted from 3 to 8 days, over North Wales about 5 days and over South Wales about 2 days. Elsewhere snow did not lie during the month.

April 1991

Temperatures were generally near to normal.

It was a wet month everywhere except eastern Scotland and much of northern England.

On the 18th there were frequent showers of hail, snow and sleet over northern and eastern areas of Scotland. On the 19th many places had heavy, blustery showers, often falling as hail or sleet in the fresh northerly airstream, with an isolated thunderstorm and some snow. During the 20th there were further wintry showers over eastern parts of England and Scotland. On the morning of the 20th during the cold spell there was 17 cm of level snow measured at the Cairngorm Carpark. On the 26th there was further sleet in places.

Old snow lay in large patches (more than half cover) above 900 m throughout the month although at times fresh cover was observed at 600 m–750 m early in the month and at around 900 m during the fourth week, usually in the very early mornings and mostly gone by 0900 hours.

Snow lay above 600 m for up to 23 days in some places in the Scottish Highlands, and for the whole month on the summits of the central Highlands. Elsewhere the duration was generally between 3 and 6 days in northern England and Wales. The Midlands and southern parts of England and Wales had little or no snow lying during the month.

May 1991

Temperatures were generally about average.

Rainfall amounts were below normal everywhere except the northernmost part of the Scottish mainland where totals were just above normal.

On the 3rd and 4th snow fell in the northern Pennines. Sleet was reported over the southern Pennines on the 7th. Snow lay above 1200 m for 17 days in the central Highlands, and snow cover was reported on 2 days above 750 m on the northern Pennines. Elsewhere there was no snow lying.

More than half cover remained on extreme summits of the Scottish Highlands for only the first 17 days; thereafter patches only remained at all levels. However, considerable patches remained throughout the month at levels above about 600 m (some patches at lower levels than this until the 17th). During the last two weeks of May remaining snow cover melted rapidly.

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
14	50	20	48	28	14	4	13	5	11	1988/89	7	40	10	14	9	8	1	1	0	9
16	57	24	48	27	10	2	10	3	10	1989/90	9	39	17	21	13	6	0	0	0	4
13	62	22	45	9	32	12	24	15	23	1990/91	9	57	33	37	5	34	9	10	7	23

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

November 1990

Day	Wick	Knockanrock	Inverawe	Whitehillocks	Edinburgh (Blinkbonny)	Eskdalemuir	Alston	Lanthwaite	Belmont	Sledmere	Buxton	Martley	Marham	Penshurst Place	Dolgellau	Llanfair	Caereinion	Cwmbargoed	Swansea	Exeter	North Wyke	Day
1	There were no reports of snow lying at these stations in October 1990																					1
2																						2
3																						3
4																						4
5																						5
6																						6
7																						7
8																						8
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30																						30

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

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 + indicates no information available

December 1990

Day	Wick	Knockanrock	Inverawe	Whitehillocks	Edinburgh (Blinkbonny)	Eskdalemuir	Alston	Lanthwaite	Belmont	Sledmere	Buxton	Martley	Marham	Penshurst Place	Dolgellau	Llanfair Caereinion	Cwmbargoed	Swansea	Exeter	North Wyke	Day
1																					1
2																					2
3																					3
4																					4
5																					5
6																					6
7		3		1		T	4		1	8											7
8		15		5		10	15		4	15	18	5			3	7					8
9		13		2		7	13			5	25	10				10	6			1	9
10		12				6	9				12					2					10
11		5				2	7														11
12						2	5														12
13						1	5														13
14						1	4														14
15						1	4														15
16																					16
17																					17
18							4														18
19							1														19
20																					20
21																					21
22																					22
23																					23
24		11																			24
25		*																			25
26		*																			26
27	1	2		2	3	6	5														27
28	1	3			5	6	4														28
29		11	4	8	1		4														29
30		*	2	16	1		5									T					30
31		22		18		1	5														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 1991

Day	Wick	Knockanrock	Inverawe	Whitehillocks	Edinburgh (Blinkbonny)	Eskdalemuir	Alston	Lanthwaite	Belmont	Sledmere	Buxton	Martley	Marham	Penshurst Place	Dolgellau	Llanfair Caereinion	Cwmbargoed	Swansea	Exeter	North Wyke	Day
1		18		15		5															1
2		*																			2
3		4		15			1														3
4		4		17		3															4
5		*																			5
6		*								4											6
7		1			1	4	6		T	1	6					1					7
8		2	1	2		11	6		T		4					4					8
9		2	1		2	25	18	1			1										9
10		3			5	21	14														10
11		3			2	17	6														11
12	1	7				12	10														12
13	1	*				12	9														13
14	1	7				12	6														14
15	1	7				12	6														15
16		7				12	6														16
17		6				12	4														17
18		4				4	3														18
19		2				T															19
20																					20
21																					21
22																					22
23																					23
24																					24
25																					25
26																					26
27																					27
28																					28
29																					29
30				3		T	T	T								T	1			1	30
31						T	T		2							3	10	2		7	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 1991

Day	Wick	Knockanrock	Inverawe	Whitehillocks	Edinburgh (Blinkbonny)	Eskdalemuir	Alston	Lanthwaite	Belmont	Sledmere	Buxton	Martley	Marham	Penshurst Place	Dolgellau	Llanfair	Caereinion	Cwmbargoed	Swansea	Exeter	North Wyke	Day
1							1		4			3					1	15	11	3	12	1
2						T											T	10		3	7	2
3																	T	8		3	5	3
4		7		1													T	8		2	5	4
5		6		1						1							T	8			4	5
6		6		1		T	1		3	6		T		T			T	8			4	6
7		*		2	3	3	13		7	23	2	7	1	5	1		T	8			4	7
8		10		13	6	6	18		1	29	8	23	5	13	8	14	18				16	8
9	1	*		27	5	11	30		1	36	17	19	9	15	6	12	20				10	9
10		8		32	14	16	30			43	22	17	7	10	5	11	18				9	10
11	2	11		35	12	15	30		2	43	16	15	10	8	4	9	15				8	11
12	2	14		32	12	13	28	4		30	17	13	13	5	5	8	12				5	12
13	1	13		35	11	10	25			30	16	12	12	14	2	7	12				3	13
14		12		35	10	8	24		1	25	10	11	10	10	1	6	10				2	14
15		8		30	5	3	18			24	8	7	6	4			T	8				15
16		7		20	3		16			14	6	5	2	T								16
17		*		15			15			13	6											17
18		6		10			14			10	4											18
19		3		8			10			10	4											19
20		*					7			6	3											20
21		2					2			4												21
22		1		5	2	7	8				2											22
23							4															23
24																						24
25																						25
26																						26
27										1												27
28				10						1												28

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 1991

Day	Wick	Knockanrock	Inverawe	Whitehilllocks	Edinburgh (Blinkbonny)	Eskdalemuir	Alston	Lanthwaite	Belmont	Sledmere	Buxton	Martley	Marham	Penshurst Place	Dolgellau	Llanfair	Caereinion	Cwmbargoed	Swansea	Exeter	North Wyke	Day
1		6		19																		1
2				19					T													2
3				8			1															3
4				T																		4
5																						5
6																						6
7																						7
8																						8
9																						9
10																						10
11																						11
12																						12
13																						13
14																						14
15																						15
16																						16
17																						17
18																						18
19																						19
20																						20
21																						21
22		1																				22
23																						23
24																						24
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

April 1991

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

There were no reports of snow lying at these stations in May 1991

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.

1990

1991

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	4 0	19 3	9 0	14 3	3 0	4 0	+ +	+ +
			- -	- -	1 9	- -	1 7	- -	- -	+ +	+ +
Ollaberry	HU 333836	226	0 0	0 0	5 10	3 11	+ +	+ +	+ +	+ +	+ +
			- -	- -	1 8	3 9	+ +	+ +	+ +	+ +	+ +
<i>Orkney</i>											
Kirkwall (S)	HY 483076	26	1 0	6 0	13 1	12 5	13 2	3 0	4 0	0 0	52 8
			- -	- -	3 8	2 12	1 11	- -	- -	- -	3 8/12
<i>Western Isles</i>											
Benbecula (S)	NF 782555	5	0 0	0 0	12 2	9 1	4 0	2 0	0 0	0 0	27 3
			- -	- -	2 8	T 8	- -	- -	- -	- -	2 8/12
Stornoway (S)	NB 459332	15	0 0	1 0	12 4	8 1	6 0	0 0	1 0	0 0	28 5
			- -	- -	3 8	T 12	- -	- -	- -	- -	3 8/12
<i>Highland</i>											
Aviemore	NH 896143	228	0 0	10 0	13 10	15 19	16 11	3 3	9 1	0 0	66 44
			- -	- -	33 31	30 1	10 10	1 1	19 2	- -	33 31/12
Cairngorm Chairlift (S)	NH 991059	663	1 0	11 13	12 18	8 19	8 27	2 13	9 6	0 0	51 96
			- -	21 26	30 9	30 1	42 10	20 1	17 20	- -	42 10/ 2
Cape Wrath (S)	NC 259747	112	0 0	0 0	11 4	11 2	8 1	1 0	3 0	0 0	34 7
			- -	- -	5 29	1 9	T 11	- -	- -	- -	5 29/12
Cassley (W)	NC 396232	99	0 0	0 0	5 10	+ 14	5 12	1 1	2 0	0 0	+ 37
			- -	- -	5 31	3 3	4 4	2 1	- -	- -	5 31/12
Dalwhinnie (S)	NN 634841	362	3 0	16 0	15 9	20 28	14 13	3 1	9 1	2 0	82 52
			- -	- -	61 31	46 1	6 8	1 1	3 19	- -	61 31/12
Fersit	NN 351782	259	0 0	0 0	10 11	6 18	4 7	0 0	0 0	0 0	20 36
			- -	- -	46 29	46 1	T 4	- -	- -	- -	46 29/12
Fort Augustus (S)	NH 381091	21	0 0	0 0	4 4	5 5	4 0	0 0	0 0	0 0	13 9
			- -	- -	12 31	9 1	- -	- -	- -	- -	12 31/12
Fort William (Br. Al.)	NN 130751	27	0 0	0 0	+ 3	4 3	7 2	0 0	0 0	0 0	+ 8
			- -	- -	3 29	1 8	1 18	- -	- -	- -	3 29/12
Glenshero Lodge	NN 562929	268	1 0	5 0	12 10	12 19	14 6	5 2	5 0	0 0	54 37
			- -	- -	69 31	69 1	5 15	1 2	- -	- -	69 31/12
Grantown-on-Spey (S)	NJ 034283	229	0 0	4 1	14 10	9 19	14 13	3 2	6 1	0 0	50 46
			- -	T 21	25 31	23 1	10 9	8 1	3 19	- -	25 31/12
Inverpolly (S)	NC 074134	14	0 0	0 0	2 5	3 9	5 3	1 0	1 0	0 0	12 17
			- -	- -	3 10	2 10	2 8	- -	- -	- -	3 10/12

Table 3 (continued)

			1990					1991						
Station	Grid Reference	Alt. (m)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Season			
Kinbrace (S)	NC 872285	103	0 0	2 0	10 11	11 12	13 15	2 0	5 0	0 0	43	38		
			- -	- -	11 7	5 1	7 12	- -	- -	- -	11	7/12		
Knockanrock	NC 187088	244	0 0	2 1	10 9	5 19	8 19	3 2	6 1	0 0	34	51		
			- -	1 24	22 31	18 1	14 12	6 1	1 8	- -	22	31/12		
Lairg (S)	NC 578055	107	0 0	0 0	4 9	3 15	+ 16	1 1	0 0	0 0	+	41		
			- -	- -	11 29	8 1	9 8	1 1	- -	- -	11	29/12		
Prabost	NG 418501	67	0 0	0 0	8 10	8 11	7 2	0 0	0 0	0 0	23	23		
			- -	- -	20 8	14 10	4 21	- -	- -	- -	20	8/12		
Wick (S)	ND 364522	36	0 0	2 0	9 3	6 5	10 5	1 0	7 0	0 0	35	13		
			- -	- -	+ +	1 12	2 11	- -	- -	- -	+	+		
DISTRICT 1 — SCOTLAND E														
Grampian														
Braemar (S)	NO 152914	339	1 0	5 2	13 15	14 21	15 16	5 2	9 1	0 0	62	57		
			- -	1 24	35 31	30 1	32 9	5 1	5 19	- -	35	31/12		
Crathes	NO 758969	60	0 0	4 0	11 6	9 4	17 17	2 0	8 1	0 0	51	28		
			- -	- -	2 8	1 3	25 11	- -	1 19	- -	25	11/ 2		
Drummuir	NJ 372441	189	0 0	1 0	5 10	4 4	8 13	1 1	8 0	0 0	27	28		
			- -	- -	8 8	3 3	15 22	1 1	- -	- -	15	22/ 2		
Dyce (S)	NJ 877127	65	0 0	0 0	9 2	5 1	19 9	1 0	4 0	0 0	38	12		
			- -	- -	1 8	7 8	15 10	- -	- -	- -	15	10/ 2		
Fetternear	NJ 708184	114	0 0	0 0	8 7	5 6	19 18	2 1	7 0	0 0	41	32		
			- -	- -	6 8	2 3	22 11	3 1	- -	- -	22	11/ 2		
Glenratterach	NJ 200546	151	+ +	+ +	8 8	3 3	8 8	+ +	+ +	+ +	+	+		
			+ +	+ +	10 28	10 7	8 21	+ +	+ +	+ +	+	+		
Glenlivet (S)	NJ 188303	215	0 0	1 0	12 9	6 10	12 +	2 1	5 0	0 0	38	+		
			- -	- -	8 8	5 3	+ +	1 1	- -	- -	+	+		
Inverurie (S)	NJ 779204	54	0 0	0 0	4 2	3 4	13 15	1 0	4 0	0 0	25	21		
			- -	- -	2 8	2 3	13 10	- -	- -	- -	13	10/ 2		
Kinloss (S)	NJ 067627	5	0 0	1 0	10 4	5 4	10 9	0 0	5 0	0 0	31	17		
			- -	- -	1 27	1 3	17 10	- -	- -	- -	17	10/ 2		
Rochomie	NJ 441633	94	0 0	1 0	8 7	3 9	6 11	1 0	6 0	0 0	25	27		
			- -	- -	2 7	5 7	15 9	- -	- -	- -	15	9/ 2		
TAYSIDE														
Ardtalnaig	NN 702394	130	1 0	2 0	9 4	8 4	10 12	1 0	2 0	0 0	33	20		
			- -	- -	9 30	9 8	15 9	- -	- -	- -	15	9/ 2		
Balhall Lodge	NO 513642	210	0 0	0 0	7 6	12 15	14 16	2 4	3 0	0 0	38	41		
			- -	- -	6 30	7 3	22 10	13 1	- -	- -	22	10/ 2		
Drummond Castle	NN 841177	113	0 0	0 0	3 4	3 13	3 17	0 0	0 0	0 0	9	34		
			- -	- -	10 30	10 8	1 7	- -	- -	- -	10	30/12		
Kindrogan (S)	NO 054629	259	1 0	3 0	11 14	12 31	17 28	1 4	7 0	0 0	52	77		
			- -	- -	34 31	41 12	35 9	14 1	- -	- -	41	12/ 1		
Rannoch	NN 531582	204	0 0	0 0	7 9	4 16	5 4	1 0	0 0	0 0	17	29		
			- -	- -	15 31	10 4	5 4	- -	- -	- -	15	31/12		
Whitehillocks	NO 448800	258	0 0	0 0	6 9	4 6	10 18	0 4	1 1	0 0	21	38		
			- -	- -	18 31	17 4	35 11	19 1	7 19	- -	35	11/ 2		
FIFE														
Leuchars (S)	NO 468209	10	0 0	1 0	7 1	11 4	12 8	0 0	1 0	0 0	32	13		
			- -	- -	1 30	7 10	7 10	- -	- -	- -	7	10/ 1		
LOTHIAN														
Edinburgh (Blinkbonny)	NT 227741	41	0 0	0 0	4 4	7 4	8 11	0 0	1 0	0 0	20	19		
			- -	- -	5 28	5 10	14 10	- -	- -	- -	14	10/ 2		
Hopes	NT 551622	247	1 0	0 0	8 8	8 13	8 15	0 0	0 0	0 0	25	36		
			- -	- -	10 7	10 8	38 9	- -	- -	- -	38	9/ 2		

Table 3 (continued)

			1990					1991				
Station	Grid Reference	Alt. (m)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Season	
Hungry Snout	NT 665633	218	0 0 - -	0 0 - -	6 2 11 8	6 13 13 10	9 16 38 12	0 0 - -	0 0 - -	0 0 - -	21 31 38 12/ 2	
<i>Borders</i>												
Baddinsgill	NT 126554	335	2 1 T 30	2 0 - -	11 12 15 8	14 17 25 10	8 19 35 9	1 0 - -	5 0 - -	0 0 - -	43 49 35 9/ 2	
Portmore	NT 260507	305	1 0 - -	1 0 - -	10 6 15 8	7 11 13 10	6 9 30 10	0 0 - -	3 0 - -	0 0 - -	28 26 30 10/ 2	
Sourhope	NT 843203	221	0 0 - -	1 0 - -	9 7 16 9	6 9 10 9	11 17 15 8	0 0 - -	5 2 1 20	0 0 - -	32 35 16 9/12	
West Linton (S)	NT 150520	244	0 0 - -	1 0 - -	6 8 15 8	10 11 14 10	5 14 26 10	0 0 - -	0 0 - -	0 0 - -	22 33 26 10/ 2	
DISTRICT 6 — SCOTLAND W												
<i>Strathclyde</i>												
Abbotsinch (S)	NS 480667	5	0 0 - -	0 0 - -	4 0 - -	11 4 7 7	7 11 10 8	0 0 - -	0 0 - -	0 0 - -	22 15 10 8/ 2	
Inverawe	NN 021316	23	2 0 - -	4 0 - -	12 2 4 29	14 2 1 8	12 0 - -	2 0 - -	8 0 - -	0 0 - -	54 4 4 29/12	
Loch Sloy (W)	NN 293105	204	1 0 - -	0 0 - -	3 2 3 29	6 11 20 9	+ + + +	0 0 - -	0 0 - -	0 0 - -	+ + + +	
Prestwick (S)	NS 369261	16	0 0 - -	1 0 - -	5 0 - -	7 2 2 7	8 4 2 9	0 0 - -	0 0 - -	0 0 - -	21 6 2 7/ 1	
Tiree (S)	NL 999446	9	0 0 - -	0 0 - -	6 1 3 8	8 2 1 8	3 0 - -	0 0 - -	0 0 - -	0 0 - -	17 3 3 8/12	
<i>Central</i>												
Brig O'Turk	NN 537063	84	0 0 - -	0 0 - -	4 5 10 30	+ 15 13 10	2 3 1 7	0 0 - -	0 0 - -	0 0 - -	+ 23 13 10/ 1	
Couligarton	NN 454007	49	0 0 - -	0 0 - -	6 6 8 30	16 16 14 10	10 10 3 3	0 0 - -	0 0 - -	0 0 - -	32 32 14 10/ 1	
Glengyle	NN 388133	122	0 0 - -	0 0 - -	4 5 11 30	13 12 13 10	4 10 4 4	0 0 - -	0 0 - -	0 0 - -	21 27 13 10/ 1	
Loch Arklet	NN 376096	146	1 0 - -	1 0 - -	6 5 8 30	8 11 15 9	7 6 3 9	0 0 - -	1 0 - -	0 0 - -	24 22 15 9/ 1	
Loch Venachar	NN 598063	84	1 0 - -	0 0 - -	8 2 2 30	7 12 19 10	6 5 3 8	0 0 - -	0 0 - -	0 0 - -	22 19 19 10/ 1	
Stirling	NS 815969	35	0 0 - -	0 0 - -	5 4 2 30	7 9 9 7	6 11 3 8	+ + + +	+ + + +	+ + + +	+ + + +	
Stronachlochar (W)	NN 401103	117	1 0 - -	0 0 - -	1 1 T 27	3 11 13 9	2 7 5 4	0 0 - -	0 0 - -	0 0 - -	7 19 13 9/ 1	
<i>Dumfries & Galloway</i>												
Bargrennan	NX 361789	110	0 0 - -	0 0 - -	3 3 3 28	6 12 8 10	5 5 5 12	0 0 - -	0 0 - -	0 0 - -	14 20 8 10/ 1	
Eskdalemuir	NT 235026	242	0 0 - -	1 0 - -	11 11 10 8	15 14 25 9	11 12 16 10	2 0 - -	5 0 - -	0 0 - -	45 37 25 9/ 1	
Forrest Lodge	NX 555866	152	0 0 - -	0 0 - -	1 2 4 27	3 12 15 8	4 12 8 3	0 0 - -	0 0 - -	0 0 - -	8 26 15 8/ 1	
Kirkbean	NX 978612	30	0 0 - -	0 0 - -	4 2 4 31	4 4 8 9	4 5 3 9	0 0 - -	0 0 - -	0 0 - -	12 11 8 9/ 1	
DISTRICT 2 — ENGLAND E & N												
<i>Northumberland</i>												
Boulmer (S)	NU 253142	23	0 0 - -	0 0 - -	7 0 - -	3 2 4 7	14 9 8 12	1 0 - -	4 0 - -	0 0 - -	29 11 8 12/ 2	
Catcleugh	NT 749032	250	0 0 - -	0 0 - -	6 12 28 9	4 15 10 9	8 22 48 10	0 2 5 1	1 2 3 19	0 0 - -	19 53 48 10/ 2	

Table 3 (continued)

1990							1991						
Station	Grid Reference	Alt. (m)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Season		
Hallington Resr	NY 973762	152	0 0 - -	0 0 - -	8 8 1 7	5 2 15 9	11 19 23 9	0 0 - -	1 1 3 20	0 0 - -	25 30 23 9/ 2		
Haydon Bridge (S)	NY 839645	82	0 0 - -	0 0 - -	6 3 15 8	4 2 9 9	9 12 23 10	0 0 - -	2 0 - -	0 0 - -	21 17 23 10/ 2		
Whittledene Resr	NZ 064680	116	0 0 - -	0 0 - -	6 10 1 8	3 4 10 8	11 15 15 10	+ + + +	2 2 1 19	0 0 - -	+ + + +		
Durham													
Burnhope	NZ 183475	244	0 0 - -	0 0 - -	6 5 40 8	4 12 16 9	6 16 47 11	1 0 - -	3 1 1 20	0 0 - -	20 34 47 11/ 2		
North Yorkshire													
High Mowthorpe (S)	SE 888685	175	0 0 - -	0 0 - -	2 3 11 9	+ 2 2 7	8 16 50 11	0 0 - -	+ 1 2 20	0 0 - -	+ 22 50 11/ 2		
Leeming (S)	SE 306890	32	0 0 - -	0 0 - -	5 1 1 8	8 1 1 7	12 11 19 10	0 0 - -	5 0 - -	0 0 - -	30 13 19 10/ 2		
Malham Tarn (S)	SD 894671	381	0 0 - -	0 0 - -	7 9 27 10	5 12 5 8	9 22 34 10	4 2 1 2	3 0 - -	0 0 - -	28 45 34 10/ 2		
Osmotherley	SE 458967	147	0 0 - -	0 0 - -	6 4 15 9	5 1 1 9	10 15 39 12	0 0 - -	5 1 2 20	0 0 - -	26 21 39 12/ 2		
Humberside													
Sledmere	SE 933648	121	0 0 - -	1 0 - -	9 3 15 8	7 2 4 6	14 19 43 11	3 0 - -	6 1 1 19	0 0 - -	40 25 43 11/ 2		
Lincolnshire													
Coningsby (S)	TF 224568	6	0 0 - -	0 0 - -	6 0 - -	2 0 - -	12 10 + +	0 0 - -	3 0 - -	0 0 - -	23 10 + +		
DISTRICT 3 — EAST ANGLIA													
Norfolk													
Coltishall (S)	TG 262229	18	0 0 - -	0 0 - -	4 0 - -	0 1 T 13	10 8 13 10	0 0 - -	3 0 - -	0 0 - -	17 9 13 10/ 2		
Costessey	TG 175122	18	0 0 - -	0 0 - -	5 0 - -	2 0 - -	12 14 18 9	0 0 - -	5 1 T 20	0 0 - -	24 15 18 9/ 2		
Marham (S)	TF 737091	21	0 0 - -	2 0 - -	5 0 - -	2 0 - -	13 10 13 12	0 0 - -	3 1 5 20	0 0 - -	25 11 13 12/ 2		
Cambridgeshire													
Cambridge (S)	TL 434604	24	0 0 - -	0 0 - -	2 1 2 9	0 0 - -	8 8 13 13	0 0 - -	2 0 - -	0 0 - -	12 9 13 13/ 2		
Suffolk													
Honington (S)	TL 888750	51	0 0 - -	1 0 - -	5 0 - -	1 0 - -	11 10 21 10	0 0 - -	4 0 - -	0 0 - -	22 10 21 10/ 2		
Wattisham (S)	TM 026514	89	0 0 - -	0 0 - -	5 1 1 9	0 0 - -	9 11 + +	0 0 - -	4 0 - -	0 0 - -	18 12 + +		
Wingfield	TM 235782	49	0 0 - -	0 0 - -	3 0 - -	1 0 - -	10 4 10 9	0 0 - -	5 0 - -	0 0 - -	19 4 10 9/ 2		
Bedfordshire													
Woburn (S)	SP 964360	89	0 0 - -	0 0 - -	3 1 2 9	0 0 - -	6 8 16 10	1 0 - -	2 0 - -	0 0 - -	12 9 16 10/ 2		
Hertfordshire													
Rothamsted (S)	TL 132134	128	0 0 - -	0 0 - -	5 1 8 9	2 0 - -	9 9 14 8	0 0 - -	2 0 - -	0 0 - -	18 10 14 8/ 2		
Essex													
Langham	TM 018339	12	0 0 - -	0 0 - -	2 1 1 8	0 0 - -	10 10 36 9	0 0 - -	2 0 - -	0 0 - -	14 11 36 9/ 2		

Table 3 (continued)

			1990					1991				
Station	Grid Reference	Alt. (m)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Season	
Layer-de-la-Haye	TL 965196	44	0 0	0 0	3 1	0 0	8 8	0 0	2 0	0 0	13	9
			- -	- -	6 8	- -	15 7	- -	- -	- -	15	7/ 2
Rayleigh	TQ 805910	73	0 0	0 0	3 0	0 0	9 13	0 0	1 0	0 0	13	13
			- -	- -	- -	- -	25 9	- -	- -	- -	25	9/ 2
Stansted (S)	TL 531226	101	0 0	2 0	5 1	4 0	13 11	0 0	3 0	0 0	27	12
			- -	- -	9 9	- -	24 13	- -	- -	- -	24	13/ 2
DISTRICT 4 — MIDLAND COUNTIES												
<i>West Yorkshire</i>												
Wilsden (S)	SE 088349	262	0 0	1 0	9 5	5 3	12 20	0 0	1 0	0 0	28	28
			- -	- -	19 9	5 7	51 9	- -	- -	- -	51	9/ 2
<i>South Yorkshire</i>												
Finningley (S)	SK 659989	10	0 0	0 0	6 2	2 1	10 10	0 0	3 0	0 0	21	13
			- -	- -	4 8	1 7	16 10	- -	- -	- -	16	10/ 2
Redmires	SK 262857	338	0 0	+ +	8 15	3 3	10 22	1 0	4 1	0 0	+	+
			- -	+ +	45 9	4 7	33 10	- -	1 20	- -	+	+
<i>Derbyshire</i>												
Buxton (S)	SK 058734	307	0 0	2 1	10 6	7 5	9 21	1 0	3 1	0 0	32	34
			- -	2 24	25 9	6 7	22 10	- -	T 19	- -	25	9/12
Littleover	SK 335339	71	0 0	1 0	4 3	4 0	9 12	1 0	5 0	0 0	24	15
			- -	- -	11 9	- -	15 9	- -	- -	- -	15	9/ 2
<i>Nottinghamshire</i>												
Watnall (S)	SK 503456	117	0 0	1 0	7 3	5 1	13 13	0 0	3 0	0 0	29	17
			- -	- -	17 9	T 8	21 13	- -	- -	- -	21	13/ 2
<i>Staffordshire</i>												
Hednesford	SK 017123	235	0 0	0 0	1 1	0 0	2 6	0 0	0 0	0 0	3	7
			- -	- -	D 8	- -	20 8	- -	- -	- -	D	8/12
<i>Leicestershire</i>												
Market Harborough	SP 732879	96	0 0	0 0	1 1	0 0	8 9	0 0	2 0	0 0	11	10
			- -	- -	3 8	- -	23 10	- -	- -	- -	23	10/ 2
Stanford	SP 596804	112	0 0	0 0	3 2	4 0	7 11	0 0	2 0	0 0	16	13
			- -	- -	8 8	- -	23 12	- -	- -	- -	23	12/ 2
<i>Shropshire</i>												
Shawbury (S)	SJ 553220	72	0 0	2 0	8 2	7 1	10 6	1 0	2 0	0 0	30	9
			- -	- -	5 9	T 8	7 9	- -	- -	- -	7	9/ 2
<i>West Midlands</i>												
Elmdon (S)	SP 167841	98	0 0	0 0	7 4	11 0	13 9	0 0	5 0	0 0	36	13
			- -	- -	+ +	- -	22 10	- -	- -	- -	+	+
<i>Hereford & Worcester</i>												
Longtown	SO 322291	172	0 0	0 0	5 0	8 0	3 13	0 0	2 0	0 0	18	13
			- -	- -	- -	- -	25 8	- -	- -	- -	25	8/ 2
Martley	SO 743598	53	0 0	1 0	3 2	3 0	7 12	0 0	2 0	0 0	16	14
			- -	- -	10 9	- -	23 8	- -	- -	- -	23	8/ 2
<i>Gloucestershire</i>												
Didbrook Fields (S)	SP 048320	80	0 0	0 0	4 2	4 0	6 0	0 0	3 +	0 0	17	+
			- -	- -	4 9	- -	- -	- -	+ +	- -	+	+
<i>Oxfordshire</i>												
Brize Norton (S)	SP 292067	81	0 0	0 0	7 2	4 1	10 8	0 0	3 0	0 0	24	11
			- -	- -	8 9	4 31	7 8	- -	- -	- -	8	9/12
Shirburn (S)	SU 695971	108	0 0	0 0	4 2	2 0	8 8	0 0	5 0	0 0	19	10
			- -	- -	3 9	- -	12 9	- -	- -	- -	12	9/ 2

Table 3 (continued)

1990

1991

Station	Grid Reference	Alt. (m)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Season
Buckinghamshire											
Little Chalfont	SU 988968	130	0 0	0 0	4 1	2 0	9 10	0 0	3 0	0 0	18 11
			- -	- -	2 9	- -	10 8	- -	- -	- -	10 8/2
DISTRICT 5 — ENGLAND SE & CENTRAL S											
Greater London											
Eastcote	TQ 110881	53	0 0	0 0	1 1	0 0	8 10	0 0	1 0	0 0	10 11
			- -	- -	1 9	- -	13 8	- -	- -	- -	13 8/2
Teddington	TQ 169703	9	0 0	+ +	3 1	1 0	9 9	0 0	1 0	0 0	+ +
			- -	+ +	7 9	- -	22 8	- -	- -	- -	+ +
Wiltshire											
Lyneham (S)	SU 006782	145	0 0	2 0	5 2	4 1	10 7	0 0	3 0	0 0	24 10
			- -	- -	6 8	3 31	6 9	- -	- -	- -	6 8/12
Kent											
East Malling (S)	TQ 708571	33	0 0	0 0	5 1	2 0	9 10	0 0	3 0	0 0	19 11
			- -	- -	1 9	- -	14 13	- -	- -	- -	14 13/2
Lyminge	TR 138405	182	0 0	0 0	0 0	0 0	+ 7	0 0	0 0	0 0	+ 7
			- -	- -	- -	- -	30 +	- -	- -	- -	30 0/2
Manston (S)	TR 335666	44	0 0	0 0	4 0	0 0	11 8	0 0	1 0	0 0	16 8
			- -	- -	- -	- -	9 10	- -	- -	- -	9 10/2
Penshurst Place	TQ 528440	40	0 0	0 0	0 0	0 0	+ 11	0 0	0 0	0 0	+ 11
			- -	- -	- -	- -	15 9	- -	- -	- -	15 9/2
Wye (S)	TR 058469	56	0 0	0 0	6 1	0 0	9 9	0 0	1 0	0 0	16 10
			- -	- -	7 19	- -	14 8	- -	- -	- -	14 8/2
Hampshire											
Southampton (S)	SU 416112	3	0 0	0 0	5 0	2 0	6 4	0 0	0 0	0 0	13 4
			- -	- -	- -	- -	3 8	- -	- -	- -	3 8/2
West Sussex											
Gatwick (S)	TQ 265407	59	0 0	0 0	4 1	2 0	9 10	0 0	3 0	0 0	18 11
			- -	- -	1 9	- -	10 10	- -	- -	- -	10 10/2
Washington	TQ 118135	53	0 0	0 0	3 1	3 2	7 9	0 0	2 0	0 0	15 12
			- -	- -	2 8	7 14	6 9	- -	- -	- -	6 9/2
DISTRICT 7a — ENGLAND NW & ISLE OF MAN											
Cumbria											
Alston	NY 717471	287	0 0	3 0	13 15	8 15	10 19	4 1	5 1	0 0	43 51
			- -	- -	15 8	18 9	30 9	7 3	1 19	- -	30 9/2
Dale Head	NY 313175	189	0 0	0 0	2 2	2 4	5 10	0 0	0 0	0 0	9 16
			- -	- -	3 8	13 9	5 9	- -	- -	- -	13 9/1
Ennerdale (W)	NY 085153	117	0 0	0 0	2 2	2 3	+ 3	0 0	0 0	0 0	+ 8
			- -	- -	3 7	15 8	3 11	- -	- -	- -	15 8/1
Geltsdale	NY 575537	229	0 0	0 0	7 7	6 11	7 16	1 0	2 0	0 0	23 34
			- -	- -	10 8	13 9	15 9	- -	- -	- -	15 9/2
Haweswater	NY 503159	213	0 0	0 0	7 8	5 7	10 14	0 0	2 0	0 0	24 29
			- -	- -	8 9	8 9	10 9	- -	- -	- -	10 9/2
Lanthwaite	SD 165851	44	0 0	0 0	0 0	2 2	1 1	0 0	0 0	0 0	3 3
			- -	- -	- -	1 9	4 12	- -	- -	- -	4 12/2
Lancashire											
Bacup	SD 847198	404	0 0	0 0	6 7	4 3	+ +	1 1	1 0	0 0	+ +
			- -	- -	10 8	5 8	33 8	3 23	- -	- -	33 8/2
Belmont	SD 692142	247	0 0	1 0	4 5	7 3	9 21	1 1	2 0	0 0	24 30
			- -	- -	4 8	2 31	7 7	7 2	- -	- -	7 7/2

Table 3 (continued)

			1990					1991						
Station	Grid Reference	Alt. (m)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Season			
Slaidburn (S)	SD 717547	192	0 0 - -	6 0 - -	7 2 4 9	7 3 7 8	8 14 8 8	2 0 - -	3 0 - -	0 0 - -	33 19 8 8/ 2			
Squires Gate (S)	SD 316316	10	0 0 - -	0 0 - -	2 0 - -	4 0 - -	7 6 2 3	0 0 - -	0 0 - -	0 0 - -	13 6 2 3/ 2			
Greater Manchester														
Ringway (S)	SJ 821849	75	0 0 - -	0 0 - -	9 1 1 8	7 0 - -	9 7 7 8	1 0 - -	2 0 - -	0 0 - -	28 8 7 8/ 2			
Cheshire														
Northwich	SJ 656729	14	0 0 - -	0 0 - -	1 1 1 8	2 1 7 6	7 7 2 7	0 0 - -	1 0 - -	0 0 - -	11 9 2 7/ 2			
Isle of Man														
Point of Ayre (S)	NX 463047	9	0 0 - -	0 0 - -	1 0 - -	0 0 - -	7 1 2 4	0 0 - -	0 0 - -	0 0 - -	8 1 2 4/ 2			
Douglas (S)	SC 381776	85	0 0 - -	0 0 - -	1 1 2 8	0 0 - -	6 2 7 4	0 0 - -	0 0 - -	0 0 - -	7 3 2 8/12			
Ronaldsway (S)	SC 279687	16	0 0 - -	0 0 - -	2 0 - -	4 0 - -	7 2 7 9	1 0 - -	0 0 - -	0 0 - -	14 2 7 9/ 2			
DISTRICT 7b — WALES N														
Gwynedd														
Dolgellau	SH 732177	27	0 0 - -	0 0 - -	2 1 3 8	1 0 - -	3 8 8 8	0 0 - -	0 0 - -	0 0 - -	6 9 8 8/ 2			
Nantmor	SH 603463	52	0 0 - -	0 0 - -	2 2 2 9	1 0 - -	8 7 7 12	0 0 - -	0 0 - -	0 0 - -	11 9 7 12/ 2			
Pen-y-Bryn Isaf	SH 636513	76	0 0 - -	0 0 - -	3 1 5 9	3 0 - -	7 5 3 8	0 0 - -	1 0 - -	0 0 - -	14 6 5 9/12			
Valley (S)	SH 309757	10	0 0 - -	0 0 - -	2 0 - -	3 0 - -	6 5 3 11	0 0 - -	0 0 - -	0 0 - -	11 5 3 11/ 2			
Clwyd														
ALWEN (S)	SH 957529	335	0 0 - -	2 1 3 24	3 4 15 9	2 5 3 31	9 16 8 10	0 1 2 3	0 0 - -	0 0 - -	16 27 15 9/12			
Llanarmon D C	SJ 156327	267	0 0 - -	5 1 1 24	12 9 53 9	14 7 5 7	11 15 14 10	3 0 - -	4 0 - -	0 0 - -	49 32 53 9/12			
Moel-y-Crio	SJ 194699	263	0 0 - -	2 1 2 24	8 2 12 8	13 3 4 31	11 15 9 2	2 0 - -	2 0 - -	0 0 - -	38 21 12 8/12			
Powys (North)														
Llanfair Caereinion (S)	SJ 133057	236	0 0 - -	2 0 - -	5 4 10 9	8 4 4 8	7 15 14 8	1 0 - -	0 0 - -	0 0 - -	23 23 14 8/ 2			
DISTRICT 8a — WALES S														
Dyfed														
Aberporth	SN 242521	133	0 0 - -	0 0 - -	2 0 - -	5 2 1 30	8 2 7 1	0 0 - -	0 0 - -	0 0 - -	15 4 1 30/ 1			
Brawdy (S)	SM 851248	111	0 0 - -	0 0 - -	3 1 1 8	2 2 2 30	7 4 2 10	0 0 - -	0 0 - -	0 0 - -	12 7 2 30/ 1			
Towy Castle	SN 406141	84	0 0 - -	1 0 - -	3 0 - -	5 2 5 31	9 5 4 1	0 0 - -	1 0 - -	0 0 - -	19 7 5 31/ 1			
Powys (South)														
Velindre (S)	SO 186371	152	0 0 - -	2 0 - -	10 2 2 9	12 2 3 31	10 15 20 8	0 0 - -	1 0 - -	0 0 - -	35 19 20 8/ 2			
West Glamorgan														
Penmaen	SS 531889	87	0 0 - -	0 0 - -	0 0 - -	2 2 6 31	6 13 7 1	0 0 - -	0 0 - -	0 0 - -	8 15 7 1/ 2			

Table 3 (continued)

			1990					1991						
Station	Grid Reference	Alt. (m)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Season			
Swansea (S)	SS 642923	10	0 0 - -	0 0 - -	0 0 - -	3 1 2 31	1 5 11 8	0 0 - -	0 0 - -	0 0 - -	4 6 11 8/ 2			
Mid Glamorgan														
Cwmbargoed	SO 081062	372	0 0 - -	2 2 10 24	11 4 6 9	16 4 10 31	11 16 20 9	3 1 T 23	3 0 - -	0 0 - -	46 27 20 9/ 2			
Merthyr Tydfil	SO 048071	235	+ + + +	2 2 2 24	3 3 4 9	4 4 6 31	6 17 19 9	+ + + +	+ + + +	+ + + +	+ + + +			
South Glamorgan														
Rhose (S)	ST 066678	65	0 0 - -	1 0 - -	5 0 - -	2 1 T 31	7 8 5 1	0 0 - -	1 0 - -	0 0 - -	16 9 5 1/ 2			
DISTRICT 8b — ENGLAND SW														
Avon														
Long Ashton (S)	ST 535699	51	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -			
Somerset														
HawkrIDGE (S)	SS 877327	314	0 0 - -	0 0 - -	4 3 2 8	0 0 - -	5 15 25 8	0 0 - -	0 0 - -	0 0 - -	9 18 25 8/ 2			
Nettlecombe/Birds Hill(S)	ST 057363	280	0 0 - -	0 0 - -	3 0 - -	4 1 T 31	6 15 13 11	0 0 - -	0 0 - -	0 0 - -	13 16 13 11/ 2			
Yeovilton (S)	ST 551237	18	0 0 - -	0 0 - -	3 0 - -	2 0 - -	7 4 25 10	0 0 - -	0 0 - -	0 0 - -	12 4 25 10/ 2			
Dorset														
Dorchester	SY 693891	60	0 0 - -	0 0 - -	4 2 4 9	2 0 - -	7 2 1 8	0 0 - -	1 0 - -	0 0 - -	14 4 4 9/12			
Hurn (S)	SZ 117978	10	0 0 - -	0 0 - -	2 1 T 9	2 0 - -	5 3 1 8	0 0 - -	1 0 - -	0 0 - -	10 4 1 8/ 2			
Devon														
Chagford	SX 661866	381	0 0 - -	2 0 - -	4 3 11 9	4 2 10 31	1 14 18 8	0 0 - -	1 0 - -	0 0 - -	12 19 18 8/ 2			
Exeter (S)	SY 001933	32	0 0 - -	0 0 - -	3 0 - -	2 0 - -	9 7 3 1	0 0 - -	2 0 - -	0 0 - -	16 7 3 1/ 2			
North Hessary Tor	SX 585735	427	0 0 - -	4 2 2 25	5 2 8 8	3 5 4 31	8 2 8 21	1 1 T 23	2 0 - -	0 0 - -	23 12 8 8/12			
North Wyke (S)	SX 658983	177	0 0 - -	0 0 - -	5 1 1 9	3 2 7 31	7 14 16 8	0 0 - -	0 0 - -	0 0 - -	15 17 16 8/ 2			
Plymouth	SX 514529	49	0 0 - -	0 0 - -	2 0 - -	2 1 T 31	6 4 1 1	0 0 - -	0 0 - -	0 0 - -	10 5 1 1/ 2			
Yalland	SX 690628	264	0 0 - -	1 0 - -	3 2 3 8	2 1 3 31	5 3 3 1	1 0 - -	1 0 - -	0 0 - -	13 6 3 8/12			
Cornwall														
Bastreet (S)	SX 244765	236	0 0 - -	0 0 - -	2 0 - -	2 2 4 31	7 11 5 1	0 0 - -	0 0 - -	0 0 - -	11 13 5 1/ 2			
Camborne (S)	SW 628407	87	0 0 - -	0 0 - -	4 0 - -	1 0 - -	5 3 2 8	0 0 - -	1 0 - -	0 0 - -	11 3 2 8/ 2			
St Mawgan	SW 871642	103	0 0 - -	1 0 - -	5 1 T 8	3 1 T 30	6 5 6 10	0 0 - -	0 0 - -	0 0 - -	15 7 6 10/ 2			

Figure 2 Distribution of snow cover 1990/91

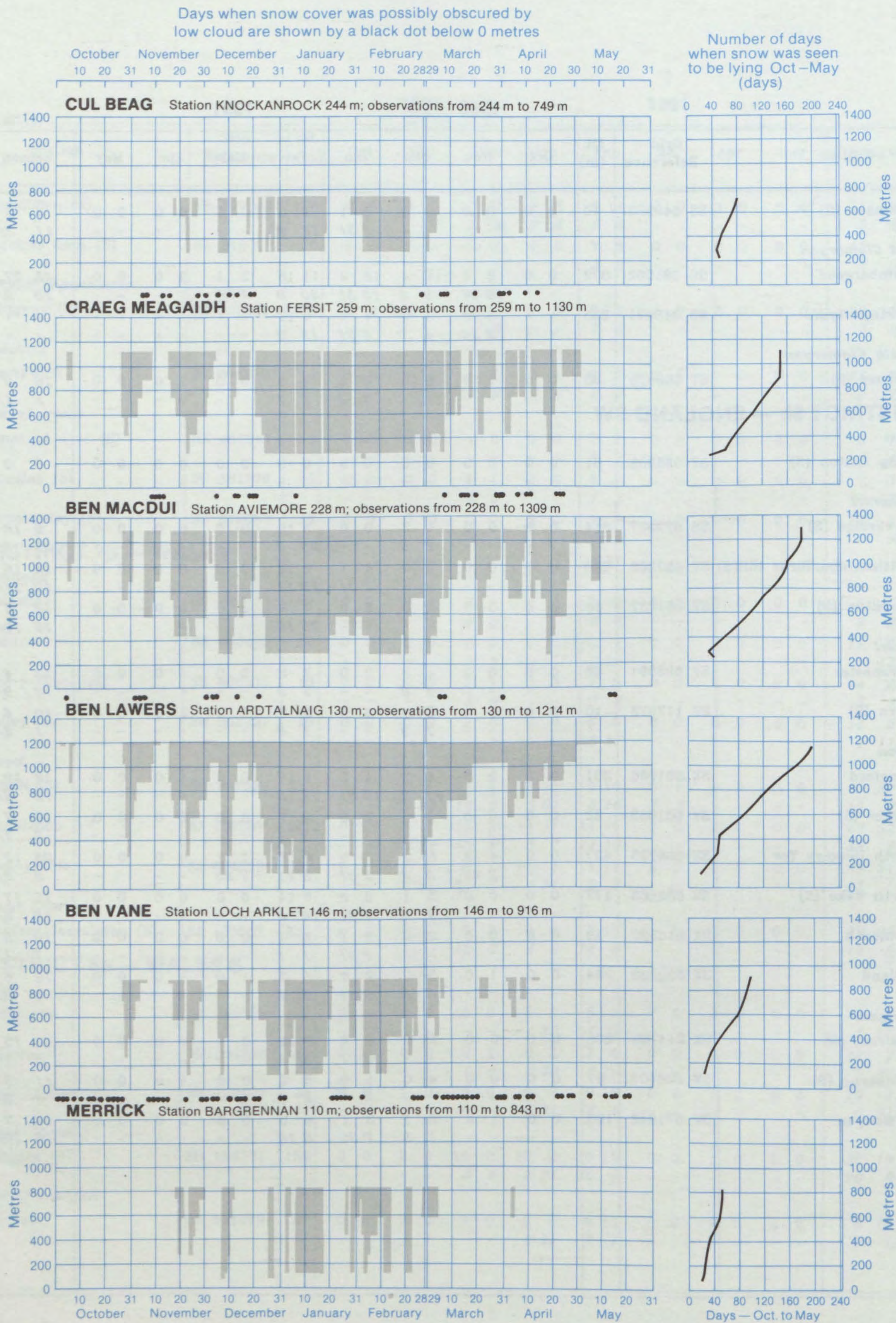


Figure 2 (continued)

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)

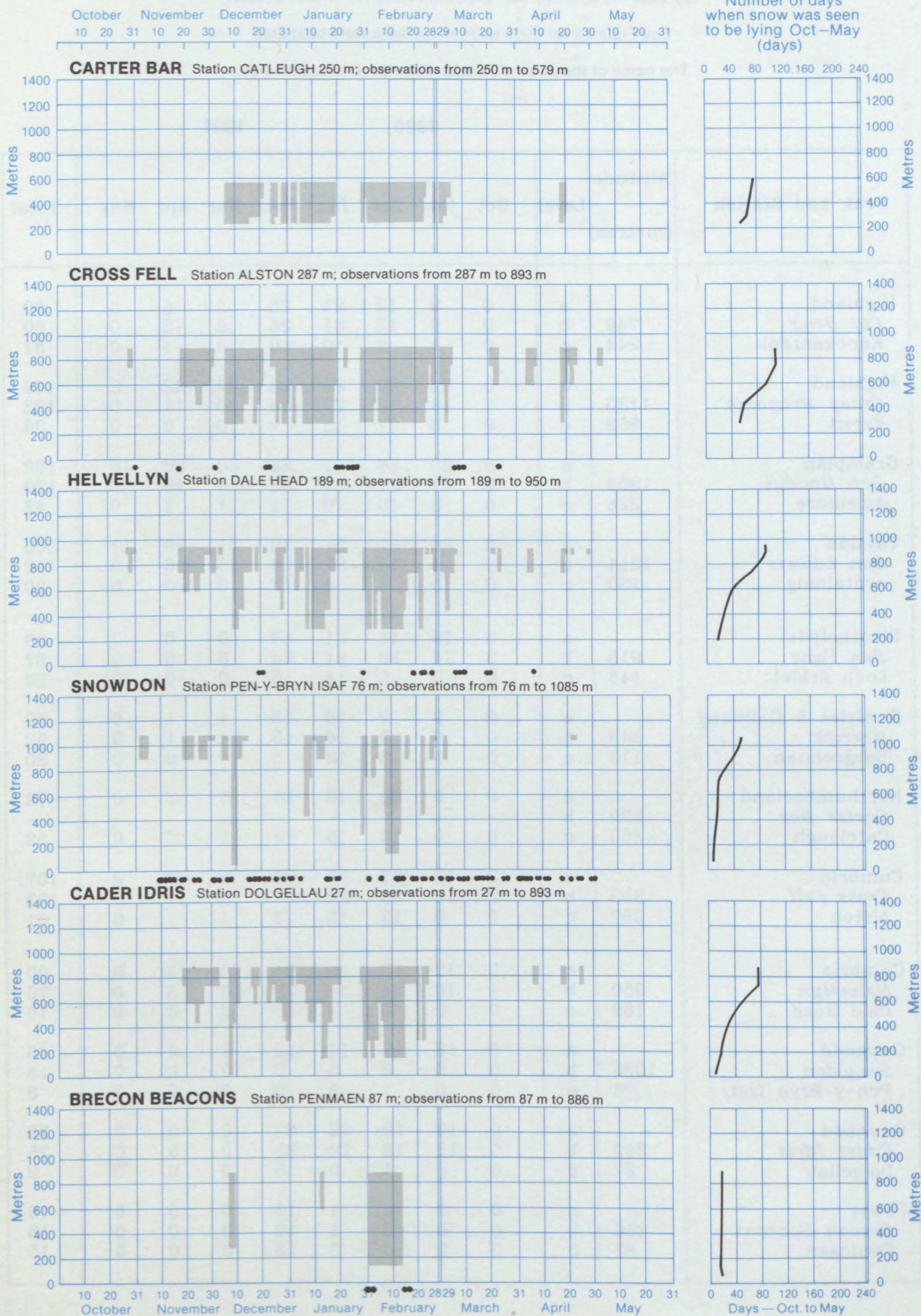


Table 4 Number of days with snow observed to be lying in the mountains

(a) near the 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 in roman type.

			1990					1991					
Peak and Station	Altitude (metres)	Level	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total		
Highland <i>Cul Beag</i> Knockanrock	749 244	a b c	0 0 0	9 9 1	12 12 9	21 21 19	25 25 19	8 8 2	5 5 1	0 0 0	80 80 51		
Highland <i>Craeg Meagaidh</i> Fersit	1130 259	a b c	5 3 0	23 18 0	20 13 11	27 27 18	28 28 7	22 20 0	22 14 0	2 0 0	149 123 36		
Grampian <i>Ben Macdui</i> Aviemore	1309 228	a b c	5 2 0	20 17 0	26 21 10	31 31 19	28 23 11	28 10 1	28 16 1	16 0 0	182 120 42		
Tayside <i>Ben Lawers</i> Ardtalnaig	1214 130	a b c	6 2 0	26 15 0	31 14 4	31 31 4	28 28 12	31 16 0	30 6 0	17 0 0	200 112 20		
Strathclyde <i>Ben Vane</i> Loch Arklet	916 146	a b c	3 3 0	19 14 0	14 13 5	21 21 11	23 23 6	8 8 0	8 5 0	0 0 0	96 87 22		
Dunfries & Galloway <i>Merrick</i> Bargrennan	843 110	a b c	0 0 0	9 9 0	7 7 3	16 16 12	15 15 5	4 4 0	1 1 0	0 0 0	52 52 20		
Northumberland <i>Carter Bar</i> Catcleugh	579 250	a b c	0 - 0	0 - 0	20 - 12	19 - 15	25 - 22	5 - 2	3 - 2	0 - 0	72 - 53		
Cumbria <i>Cross Fell</i> Alston	893 287	a b c	2 2 0	12 12 0	23 23 15	22 22 15	28 28 19	8 8 1	10 10 1	2 2 0	107 107 51		
Cumbria <i>Helvellyn</i> Dale Head	950 189	a b c	3 1 0	13 10 0	17 14 2	19 14 4	24 22 10	8 6 0	6 3 0	0 0 0	90 70 16		
Gwynedd <i>Snowdon</i> Pen-y-Bryn Isaf	1085 76	a b c	0 0 0	12 0 0	10 2 1	11 5 5	12 8 0	1 0 0	2 0 0	0 0 0	48 15 6		
Gwynedd <i>Cader Idris</i> Dolgellau	893 27	a b c	0 0 0	12 12 0	18 18 1	22 22 0	23 23 8	0 0 0	0 0 0	0 0 0	75 75 9		
Powys <i>Brecon Beacons</i> Penmaen	886 87	a b c	0 0 0	0 0 0	2 2 0	1 1 2	13 13 13	0 0 0	0 0 0	0 0 0	16 16 15		