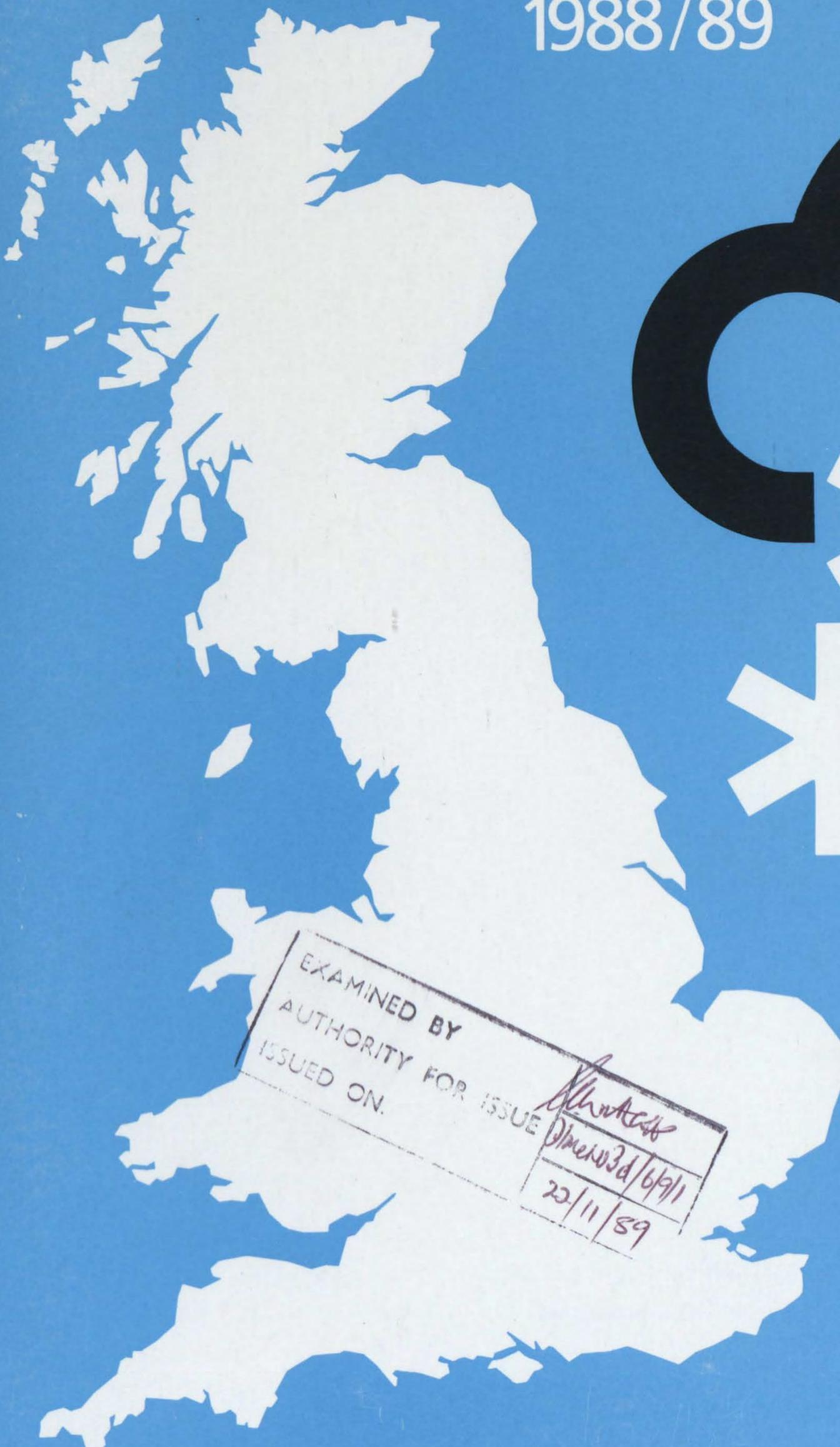




The Met. Office

Snow Survey of
Great Britain
1988/89



EXAMINED BY
AUTHORITY FOR ISSUE
ISSUED ON.

Alvott
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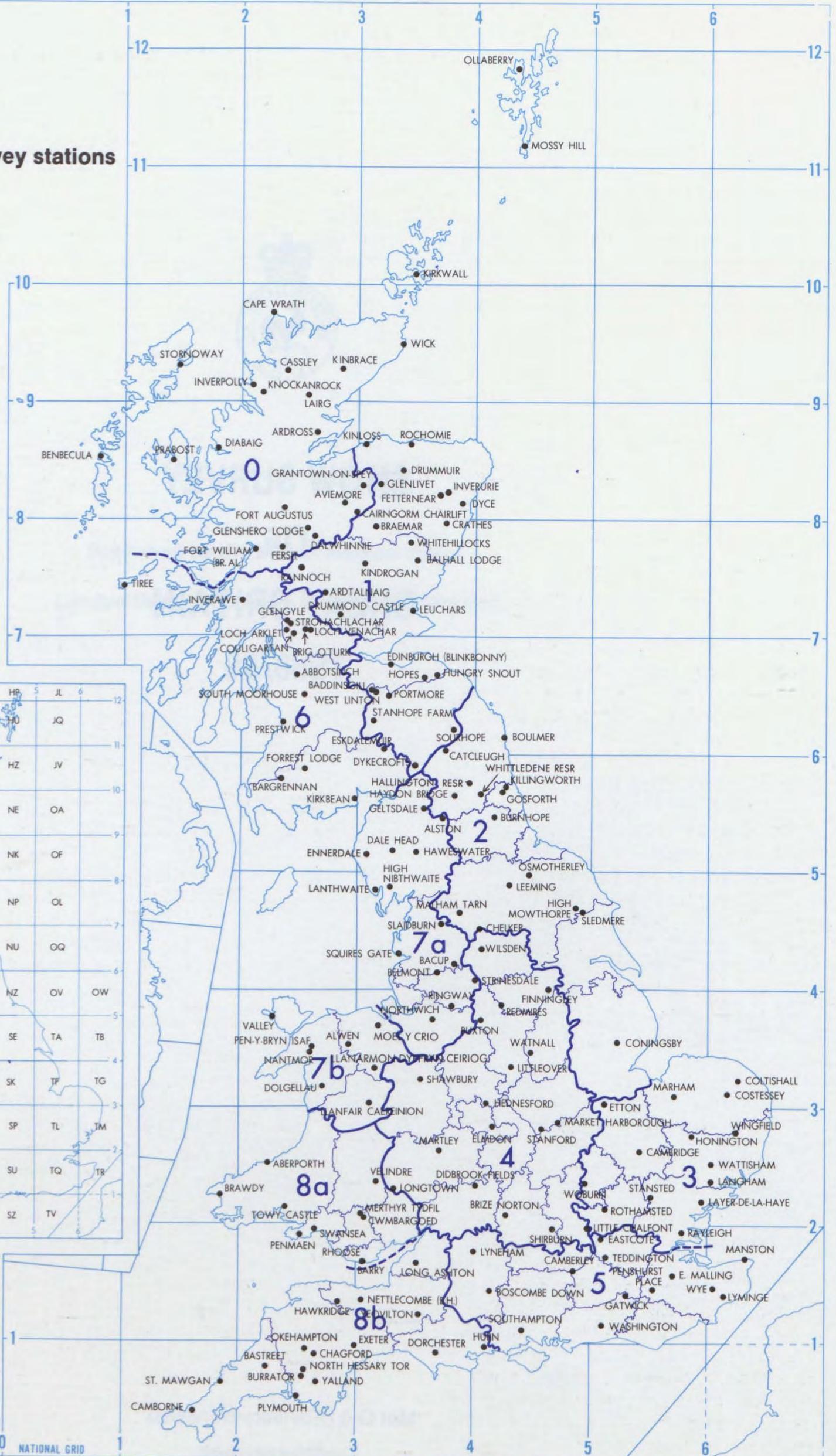
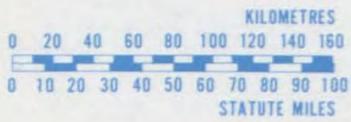
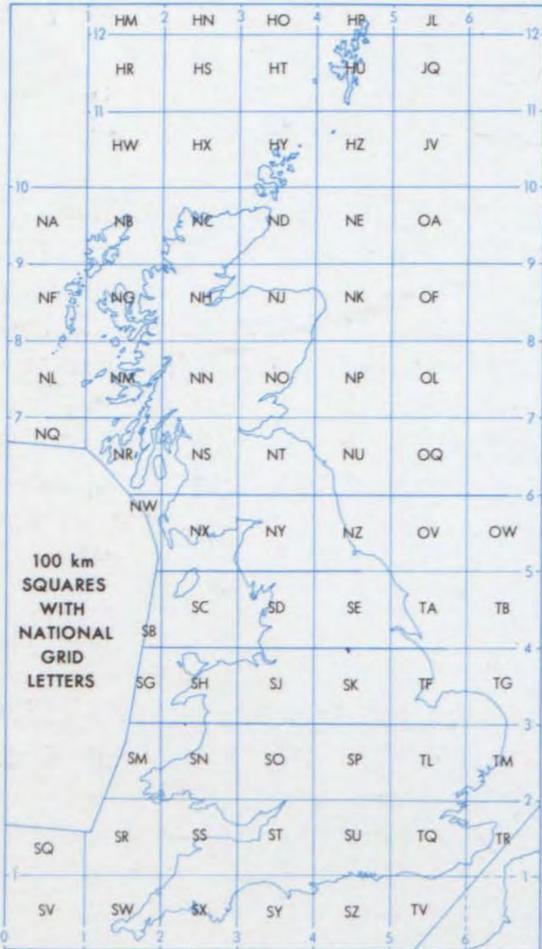


**SNOW SURVEY
OF
GREAT BRITAIN
1988/89**

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 1988 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 1988. The main report begins with a general description of the 1988/89 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 1988/89. 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 observations from nearby locations or from further up the mountain. Days when low cloud prevented any form of observation are indicated by black squares 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 1988

June, July and August 1988

Some very small areas of snow still visible in sheltered corries and gullies above 900 m in the Cairngorm Mountains.

September 1988

Showers occurred on the 28th, with fresh snow falling over the highest parts of the Scottish Highlands on the 29th, giving a covering above 900 m on the Cairngorm Mountains, and on the 29th and 30th above 750 m in the area of Ben More Assynt and Ben Hee in the north-west Highlands.

4. Snow observations in Great Britain during the season 1988/89

4.1 Number of days with snow or sleet falling

The number of days with snow or sleet falling was about normal over Orkney and Shetland and on the higher parts of the Cairngorm Mountains. Elsewhere in Scotland the number of days of snow or sleet falling was below normal except over the Western Isles where it was near normal. However, in low-lying areas, notably in eastern Scotland, snowfall was well below normal. Over England and Wales north of a line from Cardigan Bay to The Humber the incidence of snow or sleet falling was below normal, and south of the line well below normal in most places.

4.2 Number of days with snow lying

Over the whole of Great Britain the number of days with snow lying was well below average.

Snow lay on the summits of the Scottish Highlands for about 150 days and at about 600 m for about 80 days. The total for the summit of Ben Macdhui (1309 m) of 147 days was the second lowest in the last 30 years (1963/64 had 134 days). The average for the same period is 195 days. Over the peaks of north-west England snow lay for less than 100 days and in North Wales for less than 70 days. At about 300 m the number of days of snow lying varied between about 40 days in some parts of the Highlands of Scotland to about 15 to 20 days in the Southern Uplands in Scotland and in northern England and North Wales. Over most other areas there were less than 7 days of snow cover and in many places in southern England and South Wales snow did not lie at any time during the season.

4.3 Notes on the weather of individual months

October 1988

Until the last few days of the month temperatures were a little above the October average, but then a cold northerly airstream swept across Great Britain. Precipitation was well above average in many areas, but in parts of Wales, the Midlands, south-east England and much of north-west Scotland was below average.

Colder air swept across Great Britain on the 28th giving snow showers over Orkney and Shetland and over the Scottish mountains.

Snow was reported lying in the north-west Highlands and on the Grampians down to 300 m for about a day. Snow lay at 750 m for about 4 to 8 days, and above 1000 m for about 12 to 14 days.

November 1988

Temperatures were generally near average in Scotland but below average elsewhere in the United Kingdom, with frequent night frosts. Precipitation amounts were below average in most parts of the United Kingdom, the exceptions being Shetland and the southern half of the Western Isles with about average precipitation. Some parts of south-west England and central southern England had less than a quarter of the average rainfall.

Outbreaks of rain spreading south on the 20th turned to snow and gave a covering of about 10 cm over higher ground even as far south as the Midlands. By dawn on the 20th snow lay over much of Scotland and England north of the Thames, with 9 cm to 12 cm in some hilly areas. Much of Wales and south-west England had rain rather than snow. Later on the 20th the area of rain and snow over southern England moved away over France. There were wintry showers during the next two days mainly in eastern coastal areas and there was overnight frost. Parts of eastern Kent had 15 cm of level snow and in parts of Yorkshire 10 cm was measured.

December 1988

December was very mild, the mildest in many places since 1974. At Sheffield, South Yorkshire it was as mild as December 1934 in a record back to 1882. Apart from western Scotland, where it was very wet, precipitation was well below average everywhere.

The incidence of snow or sleet falling was well below average nearly everywhere.

Snow lay for up to 15 days at above 900 m in the Scottish Highlands, although on some north-facing slopes it lay for up to 24 days, up to 13 days between 600 m and 900 m and up to about 7 days in some places in Scotland and the northern Pennines below 600 m. There were only isolated reports of snow lying below 300 m.

January 1989

January was a very mild month with temperatures about 2 °C above average in southern areas and about 4 °C above average in Scotland. In western Scotland it was one of the wettest Januarys on record with a considerable area having more than twice the average precipitation, while places in eastern Scotland had less than 10 per cent of the average. It was also the third successive month to have less than 50 per cent of average rainfall over England and Wales as a whole.

The year started with the very unusual situation of the summits of Ben Nevis and the Cairngorms being completely clear of snow, although there were some patches in high-level corries. Over the mountains of Wales, northern England and Scotland any snowfall during the month came largely in the form of showers during brief colder interludes, with heavier falls occurring in the west and very little reaching more-easterly areas. Much of this snow disappeared

rapidly in subsequent bursts of warm air, and it was only on some high north-facing slopes in north-west Scotland that snow lay throughout the month.

The incidence of snow or sleet falling was well below average everywhere. This was the first snowless January at Velindre, Powys since 1972 and at Old Costessey, Norfolk since 1974.

Above 900 m snow lay for up to 20 days in the Fort William area and up to 12 days in more-easterly parts of the Highlands. Between 600 m and 900 m it lay for up to 10 days in the north-west Highlands, up to 18 days in the Fort William area, up to 10 days in the eastern part of the Central Highlands, up to 7 days in the Southern Uplands and northern Pennines, and for up to 6 days in the Cambrian Mountains. The lack of persistent snow-cover on the highest slopes of the Scottish mountains was exceptional for a January month.

Between 300 m and 600 m snow lay in central and northern Scotland for up to about 10 days, but below 150 m it only lay at most for one or two days in those areas.

February 1989

February was very mild with temperatures in some areas nearly 3 °C above average. It was a wet month nearly everywhere and very wet in northern and western Scotland, where precipitation was generally two or three times the average.

Heavy showers of hail, sleet and snow fell over Scotland on the 4th. On the 15th and 16th showers spread to many areas and in the north some were heavy with sleet and snow. Southern parts of Great Britain had some snow and sleet early on the 17th; the sleet and snow moved north-eastwards during the day, but turned to rain in the south. On the 19th Scotland and later northern England had some snow. Sleet and snow showers continued on the 20th in Scotland, but much of England and Wales was dry and sunny. A depression on the 24th crossed south-west England and tracked north-eastwards giving many areas a cold day with rain and snow in places. Snowfall was considerable across parts of Wales, the Peak District and the southern Pennines. A depression off the east coast of Scotland on the 25th gave significant snowfall over many hilly areas in the north, while another very deep depression moved along the English Channel and gave a wet day with some snow over hills in southern and central England. On the 26th and 27th showers were heavy with hail and thunder and in many places sleet or snow. On the 28th an area of more persistent rain with sleet and snow over the hills moved southwards from northern Scotland to affect North Wales and the Midlands by the end of the day.

The frequency of snow or sleet falling was about average or slightly below average in parts of Scotland and over the Cambrian Mountains. Elsewhere the frequency of snow falling was about average except in the south and east of England where it was well below average generally.

The duration of snow cover was rather variable. The number of days with snow lying on the higher ground in the north-west Highlands and Central Highlands above 900 m was between 15 and 28, but at stations in Scotland at about

300 m or below only about 10 to 15 days. Elsewhere the duration varied from about 5 to 10 days over the Pennines and Wales to no snow cover at all in parts of southern and eastern England.

March 1989

Temperatures were generally above average, reaching about 2.5 °C above average in the London area. March was a wet month in all parts of Great Britain.

Cloud and rain spread across England and Wales on the 16th with some sleet and snow late in the day. On the 17th there were snow showers over Shetland. On the 18th rain spread to all parts with some snow in the north; all areas had further rain with some sleet and snow at times during the few days from the 19th.

The incidence of snow or sleet falling was about average in Scotland, below average in northern England and well below average in the rest of England and Wales.

Snow lay all month on the highest summits of the Scottish Highlands and on the higher ground generally snow lay for up to 15 days. In the Southern Uplands duration of snow lying was 7 to 14 days. On the lower ground in Scotland there was snow cover for less than 7 days, many places near the coast having no snow cover. In the northern Pennines snow lay generally for about 7 days though on more sheltered slopes snow cover remained for up to 15 days. Snow lay for 4 to 9 days on the summits of the Cambrian Mountains. Elsewhere snow lay for only a day or two in the southern Pennines and the Welsh Marches. Apart from an isolated day of snow cover on the moors in the south-west, no snow lay in southern England.

April 1989

April was a cold month with more snow and frost than in the midwinter period. Precipitation was generally above average except for parts of central Scotland where it was below average.

At the beginning of the month cold air was spreading westwards across northern Europe and there was snow in many places at some time. On the 4th low pressure over France drifted northwards bringing widespread rain, sleet and snow to much of England and North Wales, the sleet and snow turning to rain later. However, on the 5th there was sleet and snow for much of the day with temporary accumulations of 3 cm to 6 cm in south-east England. Holme Moss, West Yorkshire recorded a level snow depth of 40 cm. A cold front moving southwards on the 22nd brought very cold weather with rain or snow to most areas. Over the next day or so most places had showers, and in northern areas particularly they were wintry. Over central and southern England there was a period of more general rain, sleet and snow overnight and early on the 25th. Nottingham had 10 cm of level snow lying on the morning of the 25th. There was snow in parts of Scotland on the 27th. The observer at Prabost, Isle of Skye noted that by the end of the month the Cuillin Hills above Sligachan were more snow covered than during all the 'winter' months.

The incidence of snow or sleet falling during the month was about average in most places, but a little above average in

some parts of eastern and southern England and South Wales.

Duration of snow cover was up to 26 days on the highest summits of the Scottish Highlands, although snow persisted all month on some north-facing slopes. In the Southern Uplands snow lay for 8 to 11 days. On ground below 150 m in Scotland snow lay for less than 4 days, many places near the coast having no lying snow. In the northern Pennines snow lay generally for about 5 days though on more-sheltered slopes the duration of snow cover was 15 days; in the southern Pennines snow lasted up to 6 days. In Wales the duration of snow cover was 8 to 13 days on the summits of the Cambrian Mountains and about 5 days on the lower slopes. Apart from isolated reports of snow lying on the higher parts of the moors in the south-west, no snow was reported lying over the rest of England and Wales during April.

May 1989

The mean monthly temperatures were above normal nearly everywhere during the month.

Precipitation was well below average except in some parts

of Scotland; in parts of England and Wales it was the fifth driest May since 1727.

Between the 10th and 13th a depression moved slowly south-eastwards across Scotland and then north-eastwards across the North Sea to Scandinavia. On the 11th snow was reported to be falling at some places in Scotland at levels as low as 450 m and there was further sleet and snow over the mountains on the 12th. A few sleet and snow showers fell in the north Midlands and northern England as well as western Scotland; snow settled on higher parts of the Pennines and other hills, most of the snow melting after sunrise. On the 29th sleet was reported over Orkney and Shetland and parts of the Scottish Highlands, and there was fresh snow lying above about 750 m on the 30th and 31st.

Duration of snow cover was up to 27 days on the highest summits of the Scottish Highlands. In the Southern Uplands snow lay for only a day or two. Most places below 150 m in Scotland had no lying snow. In the northern Pennines snow lay generally for only a day or two though on more sheltered slopes the duration of snow cover was 8 days. Elsewhere, apart from snow lying down to 600 m on one day on the summits of the Cambrian Mountains, no snow was reported lying during May.

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

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 1988

Day	Wick	Knockanrock	Inverawe	Whitehillocks	Edinburgh (Blinkbonny)	Eskdalemuir	Alston	Lanthwaite	Belmont	Sledmere	Buxton	Martley	Marham	Penshurst Place	Dolgellau	Llanfair	Caereinion	Cwmbargoed	Swansea	Exeter	Okehampton	Day	
1	In October 1988 days with snow lying at these stations were confined to the 29th Knockanrock 3 cm.																					1	
2																						2	
3																							3
4																							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							T		6	4	6											19	
20		2		5		11	9		2	5	7	3					4					20	
21	T	5		8		10	9		1	5	5		T		T	2						21	
22				8		7	8		T	3	4					1						22	
23						7	4			3												23	
24						5	1			1												24	
25																							25
26																							26
27																							27
28																							28
29																							29
30																							30

The only snow depths reported at any of these stations in December 1988 and January 1989 were 2 cm and 1 cm on 10 January and 13 January respectively at Knockanrock.

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 1989

Day	Wick	Knockanrock	Inverawe	Whitehillocks	Edinburgh (Blinkbonny)	Eskdalemuir	Alston	Lanthwaite	Belmont	Sledmere	Buxton	Martley	Marham	Penshurst Place	Dolgellau	Llanfair Caereinion	Cwmbargoed	Swansea	Exeter	Okehampton	Day	
1																					1	
2																						2
3																						3
4																						4
5		1																				5
6																						6
7		1																				7
8		1																				8
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11																						11
12		1		1			1															12
13																						13
14																						14
15																						15
16	5	6	1	1		T			1													16
17	4	5							1	1	2	1				3	10					17
18																						18
19																						19
20		8				1		11	6													20
21		9						4														21
22		6																				22
23		5	T	10		T	2		4							1	1				2	23
24		4		5			4		6													24
25		4	5	4		5	8				35				15						2	25
26		3	9	4	1	4	3				20				12	2					7	26
27		2	8	4		3					16				5	6						27
28			3	2																		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 1989

Day	Wick	Knockanrock	Inverawe	Whitehillocks Edinburgh (Blinkbonny)	Eskdalemuir	Alston	Lanthwaite	Belmont	Sledmere	Buxton	Martley	Marham	Penshurst Place	Dolgellau	Llanfair Caereinion	Cwmbargoed	Swansea	Exeter	Okehampton	Day		
1																				1		
2																					2	
3																					3	
4																					4	
5																					5	
6																					6	
7		2																			7	
8																					8	
9																					9	
10		6																			10	
11		3																			11	
12																					12	
13		1																			13	
14																					14	
15	1	1																			15	
16		2														5					16	
17						T															17	
18																					18	
19																					19	
20		1	2					4	3												20	
21		8	1		7	2								T	5						21	
22		4							1												22	
23	1	5	T	T	4	13	8														23	
24		3																				24
25		3																				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 1989

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

There were no reports of snow lying at any of these stations in May 1989

Figure 2 Distribution of snow cover 1988/89

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)

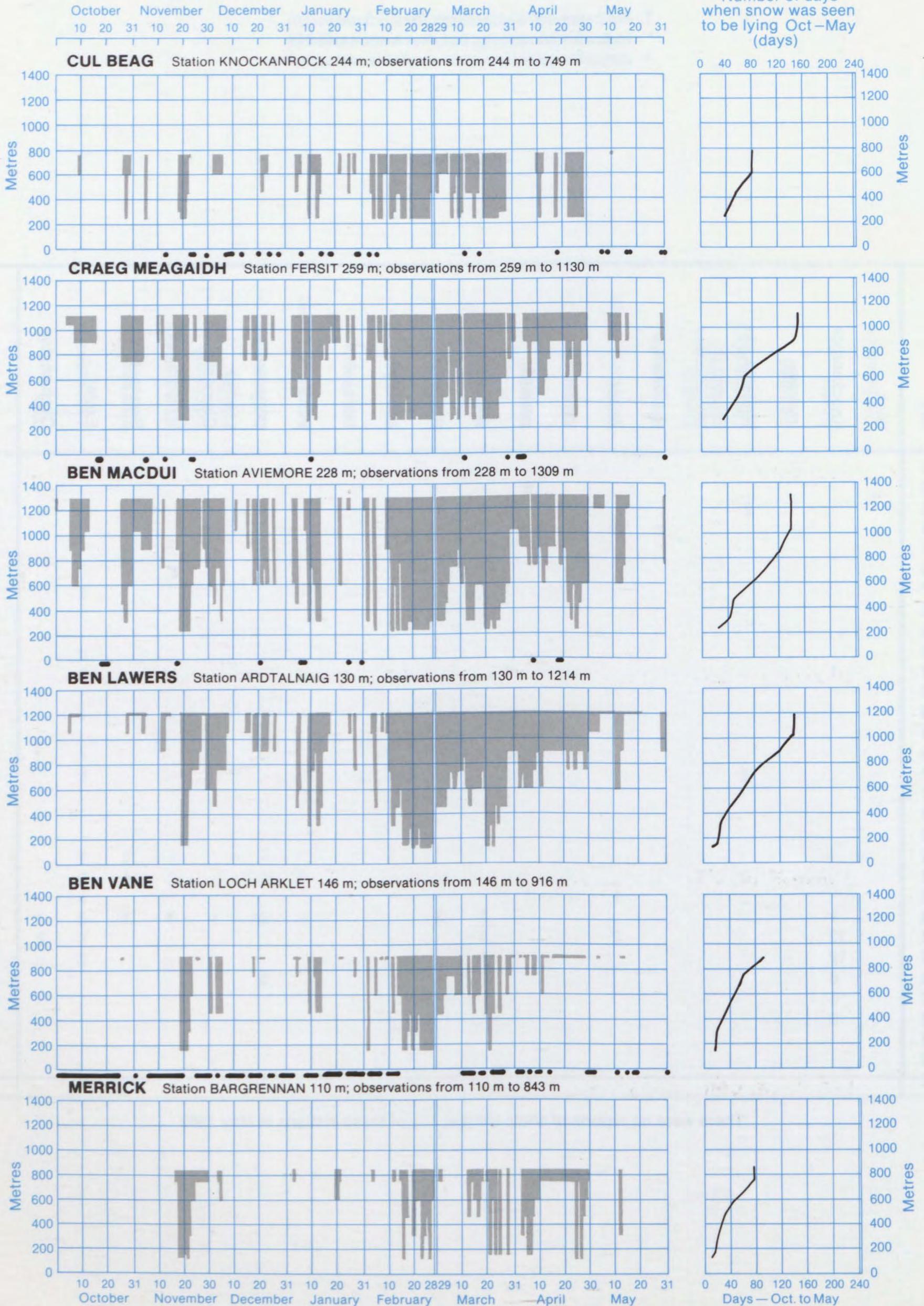


Figure 2 (continued)

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

October 10 20 31 November 10 20 30 December 10 20 31 January 10 20 31 February 10 20 28 29 March 10 20 31 April 10 20 30 May 10 20 31

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

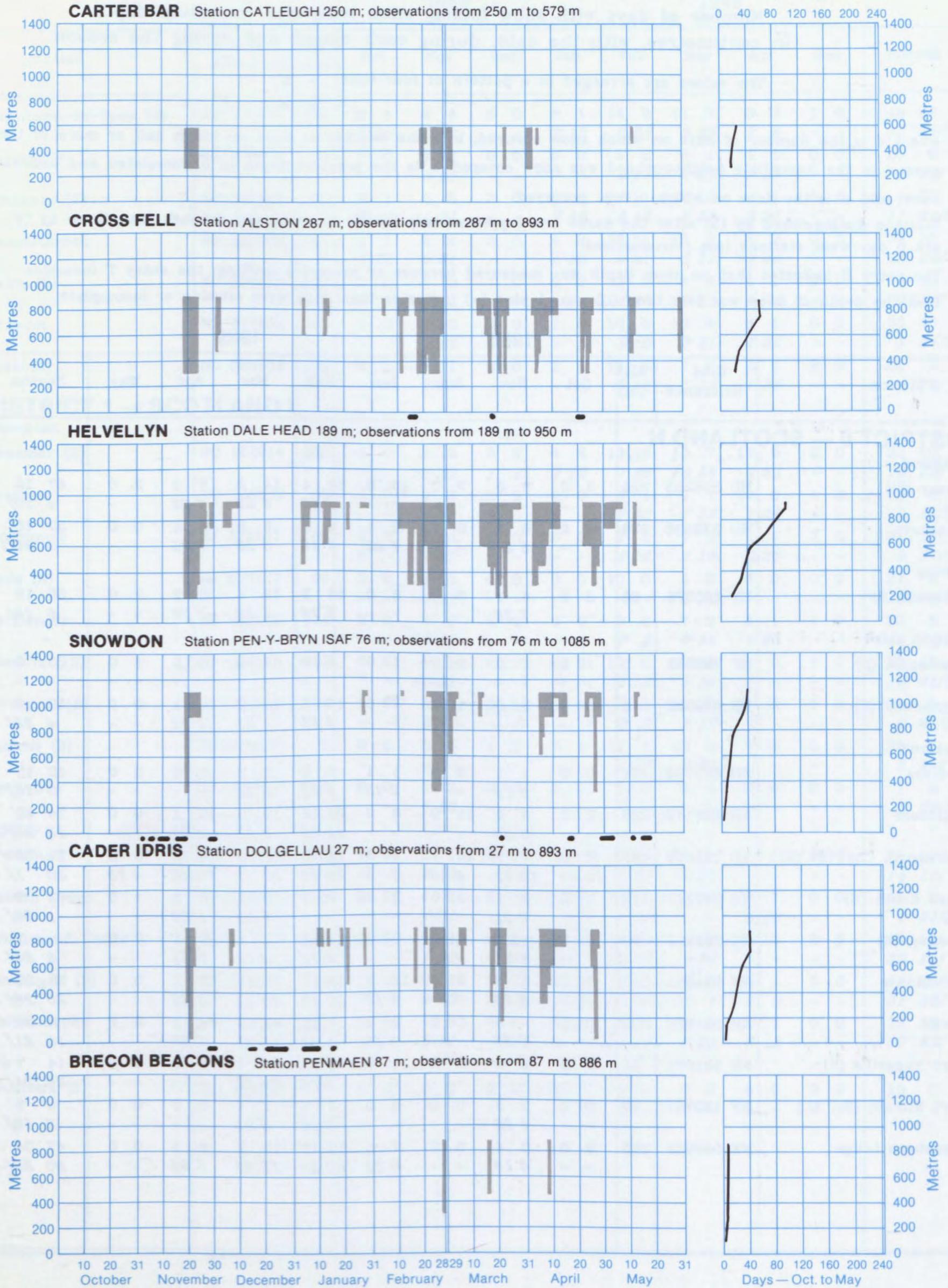


Table 3

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

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.

Station	Grid Reference	Alt. (m)	1988					1989					Season
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May			
DISTRICT 0 — SCOTLAND N													
<i>Shetland</i>													
Mossy Hill	HU 396203	229	3 0	8 0	7 0	10 0	14 4	14 3	9 3	2 0		67 10	
			- -	- -	- -	- -	4 20	3 23	4 22	- -		4 20/ 2	
Ollaberry	HU 333836	226	4 0	8 3	0 0	2 1	9 2	8 6	6 4	0 0		37 16	
			- -	5 20	- -	T 22	T 16	3 16	4 24	- -		5 20/11	
<i>Orkney</i>													
Kirkwall (S)	HY 483076	26	2 0	4 1	7 0	6 0	16 3	14 4	8 2	2 0		59 10	
			- -	T 20	- -	- -	6 16	1 14	3 26	- -		6 16/ 2	
<i>Western Isles</i>													
Benbecula (S)	NF 782555	5	1 0	2 0	0 0	1 0	8 0	7 0	5 0	1 0		25 0	
			- -	- -	- -	- -	- -	- -	- -	- -		- -	
Stornoway (S)	NB 459332	15	1 0	3 0	1 0	4 0	13 3	12 2	5 1	0 0		39 6	
			- -	- -	- -	- -	3 16	1 21	4 24	- -		4 24/ 4	
<i>Highland</i>													
Ardross	NH 629739	171	0 0	1 1	0 0	1 1	7 8	3 3	0 0	0 0		12 13	
			- -	2 19	- -	2 13	6 16	6 23	- -	- -		6 16/ 2	
Aviemore	NH 896143	228	2 0	4 4	11 0	8 0	20 12	19 3	10 1	0 0		74 20	
			- -	5 20	- -	- -	13 23	9 23	2 25	- -		13 23/ 2	
Cairngorm Chairlift (S)	NH 991059	663	2 5	7 7	10 7	7 3	11 16	15 20	14 12	5 2		71 72	
			10 29	10 21	4 3	5 5	20 28	30 1	10 26	4 13		30 1/ 3	
Cape Wrath (S)	NC 259747	112	1 0	3 1	3 0	2 0	9 0	8 1	5 3	1 0		32 5	
			- -	T 21	- -	- -	- -	T 23	1 26	- -		1 26/ 4	
Cassley (W)	NC 396232	99	0 0	+ 1	0 0	0 0	+ 4	2 1	2 1	0 0		+ 7	
			- -	5 21	- -	- -	3 16	3 16	8 24	- -		8 24/ 4	
Dalwhinnie	NN 634841	362	2 0	8 5	9 0	12 5	19 16	16 11	7 1	5 0		78 38	
			- -	8 19	- -	5 10	20 23	20 23	3 25	- -		20 23/ 2	
Fersit	NN 351782	259	0 0	+ 4	0 0	2 2	+ 15	+ 9	+ 1	0 0		+ 31	
			- -	8 20	- -	1 13	5 23	15 21	T 25	- -		15 21/ 3	
Fort Augustus (S)	NH 381091	21	0 0	2 0	0 0	1 0	6 3	4 4	1 0	0 0		14 7	
			- -	- -	- -	- -	5 16	20 21	- -	- -		20 21/ 3	
Fort William (Br. Al.)	NN 130751	27	0 0	3 3	0 0	0 0	2 1	1 1	0 0	0 0		6 5	
			- -	1 22	- -	- -	3 16	3 21	- -	- -		3 16/ 2	
Glenshero Lodge	NN 562929	268	0 0	3 4	5 0	7 5	13 17	13 7	6 1	0 0		47 34	
			- -	6 19	- -	6 10	20 23	15 21	5 25	- -		20 23/ 2	

Table 3 (continued)

Station	Grid Reference	Alt. (m)	1988					1989					Season
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May			
Grantown-on-Spey (S)	NJ 034283	229	2 1 T 29	2 4 10 21	5 0 - -	2 1 T 13	14 9 8 23	11 7 8 23	6 2 T 4	1 0 - -	43 24 10 21/11		
Inverpolly	NC 074134	14	0 0 - -	3 2 5 21	0 0 - -	5 0 - -	5 2 2 17	8 1 4 21	4 1 6 24	0 0 - -	25 6 6 24/ 4		
Kinbrace (S)	NC 872285	103	3 1 2 29	3 5 11 21	3 0 - -	5 2 T 10	14 11 4 16	12 10 2 23	+ 4 3 25	0 0 - -	+ 33 11 21/11		
Knockanrock	NC 187088	244	1 1 3 29	6 2 5 21	3 0 - -	4 2 2 10	16 14 9 21	15 9 8 21	8 7 13 24	0 0 - -	53 35 13 24/ 4		
Lairg (S)	NC 578055	107	0 0 - -	2 3 7 21	1 0 - -	0 0 - -	3 5 4 16	5 4 10 21	4 1 1 24	0 0 - -	15 13 10 21/ 3		
Prabost	NG 418501	67	1 0 - -	2 3 5 21	0 0 - -	1 0 - -	10 5 3 8	13 4 3 21	6 1 T 24	0 0 - -	33 13 5 21/11		
Wick (S)	ND 364522	36	2 0 - -	5 1 T 21	3 0 - -	2 0 - -	14 2 5 16	7 3 1 15	7 1 1 23	2 0 - -	42 7 5 16/ 2		
DISTRICT 1 — SCOTLAND E													
<i>Crampian</i>													
Braemar (S)	NO 152914	339	1 0 - -	4 6 11 21	5 3 1 2	4 3 T 10	13 16 7 25	10 7 18 23	13 5 2 23	2 0 - -	52 40 18 23/ 3		
Crathes	NO 758969	60	1 0 - -	2 3 5 21	3 0 - -	0 0 - -	8 1 T 23	7 1 T 16	10 3 1 25	4 0 - -	35 8 5 21/11		
Drummuir	NJ 372441	189	1 0 - -	2 4 9 21	2 0 - -	0 0 - -	9 3 4 16	7 2 2 16	7 1 2 25	3 0 - -	31 10 9 21/11		
Dyce (S)	NJ 877127	65	1 0 - -	4 3 6 21	0 0 - -	0 0 - -	10 0 - -	4 2 2 16	8 0 - -	0 0 - -	27 5 6 21/11		
Fetternear	NJ 708184	114	2 0 - -	4 3 16 21	3 0 - -	0 0 - -	8 2 T 5	7 2 T 16	8 1 1 25	1 0 - -	33 8 16 21/11		
Glenlivet (S)	NJ 188303	215	1 0 - -	5 3 10 21	1 0 - -	0 0 - -	12 5 5 16	10 2 3 16	9 0 - -	1 0 - -	39 10 10 21/11		
Inverurie (S)	NJ 779204	54	1 0 - -	4 3 8 21	0 0 - -	0 0 - -	8 3 T 5	6 2 2 17	7 0 - -	0 0 - -	26 8 8 21/11		
Kinloss (S)	NJ 067627	5	0 0 - -	3 0 - -	1 0 - -	0 0 - -	11 1 1 16	10 2 2 23	7 0 - -	0 0 - -	32 3 2 23/ 3		
Rochomie	NJ 441633	94	0 0 - -	1 3 5 20	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	1 3 5 20/11		
<i>Tayside</i>													
Ardtalnaig	NN 702394	130	1 0 - -	2 1 2 20	0 0 - -	0 0 - -	10 6 11 23	7 3 14 21	5 0 - -	0 0 - -	25 10 14 21/ 3		
Balhall Lodge	NO 513642	210	0 0 - -	4 2 4 21	2 0 - -	1 0 - -	12 6 3 23	4 0 - -	8 1 3 25	0 0 - -	31 9 4 21/11		
Drummond Castle	NN 841177	113	0 0 - -	1 4 1 20	0 0 - -	0 0 - -	7 6 20 25	4 2 3 20	3 0 - -	0 0 - -	15 12 20 25/ 2		
Kindrogan (S)	NO 054629	259	1 0 - -	2 4 4 20	5 2 3 3	5 2 1 10	14 13 31 23	12 6 13 1	5 1 1 3	0 0 - -	44 28 31 23/ 2		
Whitehillocks	NO 448800	258	0 0 - -	1 3 8 21	0 0 - -	0 0 - -	6 9 10 23	4 1 T 23	4 1 2 3	0 0 - -	15 14 10 23/ 2		
<i>Fife</i>													
Leuchars (S)	NO 468209	10	0 0 - -	0 0 - -	0 0 - -	0 0 - -	8 0 - -	5 0 - -	6 0 - -	0 0 - -	19 0 - -		

Table 3 (continued)

Station	Grid Reference	Alt. (m)	1988					1989					Season
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May			
<i>Lothian</i>													
Edinburgh (Blinkbonny)	NT 227741	41	0 0	1 0	0 0	0 0	9 1	6 1	2 0	0 0	18	2	
			- -	- -	- -	- -	1 26	4 23	- -	- -	4	23/ 3	
Hopes	NT 551622	247	0 0	3 4	0 0	0 0	6 0	1 1	4 1	0 0	14	6	
			- -	5 19	- -	- -	- -	2 22	4 3	- -	5	19/11	
Hungry Snout	NT 665633	218	0 0	2 4	2 0	0 0	3 0	6 0	5 0	2 0	20	4	
			- -	9 20	- -	- -	- -	- -	- -	- -	9	20/11	
<i>Borders</i>													
Baddinsgill	NT 126554	335	0 0	1 2	0 0	6 3	9 11	9 6	6 2	0 0	31	24	
			- -	9 19	- -	1 13	10 26	15 23	1 4	- -	15	23/ 3	
Dykecrofts	NY 502873	190	0 0	1 5	2 0	0 0	7 5	6 1	2 0	1 0	19	11	
			- -	9 20	- -	- -	5 20	1 23	- -	- -	9	20/11	
Portmore	NT 260507	305	0 0	2 2	0 0	3 0	9 3	6 1	5 0	0 0	25	6	
			- -	10 20	- -	- -	18 25	7 22	- -	- -	18	25/ 2	
Sourhope	NT 843203	221	0 0	3 +	2 0	0 0	8 3	5 2	7 4	1 1	26	+	
			- -	17 21	- -	- -	5 25	1 23	2 25	1 12	17	21/11	
Stanhope Farm	NT 123296	226	1 0	2 4	2 0	1 0	8 5	8 3	7 2	1 0	30	14	
			- -	10 20	- -	- -	6 26	10 23	2 4	- -	10	20/11	
West Linton (S)	NT 150520	244	0 0	2 4	1 0	2 0	9 5	6 1	4 0	0 0	24	10	
			- -	8 20	- -	- -	12 26	13 23	- -	- -	13	23/ 3	
DISTRICT 6 — SCOTLAND W													
<i>Strathclyde</i>													
Abbotsinch (S)	NS 480667	5	0 0	2 0	0 0	0 0	12 3	5 1	5 0	0 0	24	4	
			- -	- -	- -	- -	2 25	1 21	- -	- -	2	25/ 2	
Inverawe	NN 021316	23	0 0	2 0	3 0	6 0	17 6	14 3	8 0	2 0	52	9	
			- -	- -	- -	- -	9 26	2 20	- -	- -	9	26/ 2	
Prestwick (S)	NS 369261	16	0 0	2 0	0 0	0 0	8 0	6 0	6 0	0 0	22	0	
			- -	- -	- -	- -	- -	- -	- -	- -	-	-	
Tiree (S)	NL 999446	9	0 0	0 0	0 0	0 0	7 0	7 0	3 0	1 0	18	0	
			- -	- -	- -	- -	- -	- -	- -	- -	-	-	
<i>Central</i>													
Brig O'Turk	NN 537063	84	0 0	0 0	0 0	1 1	6 10	+ +	0 0	0 0	+	+	
			- -	- -	- -	1 10	20 25	5 1	- -	- -	20	25/ 2	
Couligarton	NN 454007	49	0 0	5 5	0 0	0 0	9 9	5 5	0 0	0 0	19	19	
			- -	9 20	- -	- -	21 25	8 1	- -	- -	21	25/ 2	
Glengyle	NN 388133	122	0 0	1 3	0 0	0 0	5 8	5 3	0 0	0 0	11	14	
			- -	1 20	- -	- -	8 26	4 23	- -	- -	8	26/ 2	
Loch Arklet	NN 376096	146	0 0	1 2	0 0	0 0	6 9	6 2	3 0	0 0	16	13	
			- -	1 20	- -	- -	9 25	3 23	- -	- -	9	25/ 2	
Loch Venachar	NN 598063	84	0 0	1 4	0 0	1 0	8 7	5 2	6 0	0 0	21	13	
			- -	6 20	- -	- -	7 25	2 21	- -	- -	7	25/ 2	
Stronachlachar (W)	NN 401103	117	0 0	1 4	0 0	0 0	5 10	3 3	1 0	0 0	10	17	
			- -	3 21	- -	- -	10 26	5 23	- -	- -	10	26/ 2	
<i>Dumfries & Galloway</i>													
Bargrennan	NX 361789	110	0 0	1 3	0 0	0 0	+ 3	2 2	2 0	0 0	+	8	
			- -	1 19	- -	- -	1 16	7 10	- -	- -	1	19/11	
Eskdalemuir	NT 235026	242	0 0	3 5	3 0	5 0	15 6	12 2	10 1	0 0	48	14	
			- -	11 20	- -	- -	5 25	13 23	2 4	- -	13	23/ 3	

Table 3 (continued)

Station	Grid Reference	Alt. (m)	1988					1989					Season
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May			
Forrest Lodge	NX 555866	152	0 0	1 1	0 0	0 0	5 3	2 2	0 0	0 0	8 6		
			- -	8 19	- -	- -	2 25	7 22	- -	- -	8 19/11		
Kirkbean	NX 978612	30	0 0	1 1	0 0	0 0	2 0	+ +	6 0	0 0	+ +		
			- -	T 20	- -	- -	- -	+ +	- -	- -	+ +		
DISTRICT 2 — ENGLAND E & N													
<i>Northumberland</i>													
Boulmer (S)	NU 253142	23	0 0	3 0	1 0	0 0	4 0	2 0	6 0	0 0	16 0		
			- -	- -	- -	- -	- -	- -	- -	- -	- -		
Catcleugh	NT 749032	250	0 0	2 5	1 0	0 0	5 7	4 3	3 3	0 0	15 18		
			- -	18 21	- -	- -	23 25	3 1	5 1	- -	23 25/ 2		
Hallington Resr	NY 973762	152	0 0	3 5	0 0	0 0	4 7	2 0	+ +	0 0	+ +		
			- -	8 21	- -	- -	10 25	- -	+ +	- -	+ +		
Haydon Bridge (S)	NY 839645	82	0 0	3 4	0 0	0 0	3 2	4 0	3 0	0 0	13 6		
			- -	9 21	- -	- -	4 25	- -	- -	- -	9 21/11		
Whittledene Resr	NZ 064680	116	0 0	2 2	+ +	0 0	+ +	1 0	3 0	0 0	+ +		
			- -	8 20	+ +	- -	+ +	- -	- -	- -	+ +		
<i>Tyne & Wear</i>													
Gosforth	NZ 240693	52	0 0	2 3	0 0	0 0	3 1	2 0	5 0	0 0	12 4		
			- -	3 21	- -	- -	2 25	- -	- -	- -	3 21/11		
Killingworth	NZ 282710	76	0 0	4 4	0 0	0 0	4 1	2 0	5 0	0 0	15 5		
			- -	4 21	- -	- -	2 25	- -	- -	- -	4 21/11		
<i>Durham</i>													
Burnhope	NZ 183475	244	0 0	2 4	1 0	0 0	2 2	2 2	4 4	0 0	11 12		
			- -	8 20	- -	- -	4 25	1 17	2 3	- -	8 20/11		
<i>North Yorkshire</i>													
Chelker	SE 051517	223	0 0	1 5	0 0	0 0	3 3	1 1	3 2	0 0	8 11		
			- -	3 20	- -	- -	1 24	2 23	2 25	- -	3 20/11		
High Mowthorpe (S)	SE 888685	175	0 0	+ 4	0 0	0 0	2 0	+ 1	3 0	0 0	+ 5		
			- -	2 20	- -	- -	- -	4 21	- -	- -	4 21/ 3		
Leeming (S)	SE 306890	32	0 0	3 6	0 0	0 0	6 0	4 0	6 0	0 0	19 6		
			- -	13 21	- -	- -	- -	- -	- -	- -	13 21/11		
Malham Tarn (S)	SD 894671	381	0 0	1 4	1 0	0 0	5 6	8 1	10 2	0 0	25 13		
			- -	9 20	- -	- -	17 25	3 23	1 4	- -	17 25/ 2		
Osmotherley	SE 458967	147	0 0	2 8	0 0	0 0	3 1	4 0	4 0	0 0	13 9		
			- -	20 21	- -	- -	3 25	- -	- -	- -	20 21/11		
<i>Humberside</i>													
Sledmere	SE 933648	121	0 0	2 6	1 0	0 0	5 1	8 2	6 4	0 0	22 13		
			- -	5 20	- -	- -	1 17	3 20	3 23	- -	5 20/11		
<i>Lincolnshire</i>													
Coningsby (S)	TF 224568	6	0 0	2 1	0 0	0 0	1 0	3 0	4 0	0 0	10 1		
			- -	2 21	- -	- -	- -	- -	- -	- -	2 21/11		
DISTRICT 3 — EAST ANGLIA													
<i>Norfolk</i>													
Coltishall (S)	TG 262229	18	0 0	4 1	0 0	0 0	4 0	4 0	3 0	0 0	15 1		
			- -	T 21	- -	- -	- -	- -	- -	- -	T 21/11		
Costessey	TG 176121	6	0 0	3 1	0 0	0 0	2 0	1 0	5 0	0 0	11 1		
			- -	2 21	- -	- -	- -	- -	- -	- -	2 21/11		
Marham (S)	TF 737091	21	0 0	2 1	1 0	0 0	4 0	2 0	2 0	0 0	11 1		
			- -	T 21	- -	- -	- -	- -	- -	- -	T 21/11		

Table 3 (continued)

Station	Grid Reference	Alt. (m)	1988					1989					Season
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May			
<i>Cambridgeshire</i>													
Cambridge (S)	TL 434604	24	0 0	2 2	0 0	0 0	3 2	1 0	1 0	0 0		7 4	
			- -	3 21	- -	- -	2 27	- -	- -	- -		3 21/11	
Etton	TF 142048	11	0 0	2 1	0 0	0 0	0 0	0 0	0 0	0 0		2 1	
			- -	3 21	- -	- -	- -	- -	- -	- -		3 21/11	
<i>Suffolk</i>													
Honington (S)	TL 888750	51	0 0	2 2	0 0	0 0	4 1	1 0	4 0	0 0		11 3	
			- -	1 20	- -	- -	1 27	- -	- -	- -		1 20/11	
Wattisham (S)	TM 026514	89	0 0	2 4	0 0	0 0	3 0	4 0	2 0	0 0		11 4	
			- -	4 20	- -	- -	- -	- -	- -	- -		4 20/11	
Wingfield	TM 235782	49	0 0	2 1	0 0	0 0	2 0	1 0	1 0	0 0		6 1	
			- -	1 20	- -	- -	- -	- -	- -	- -		1 20/11	
<i>Bedfordshire</i>													
Woburn (S)	SP 964360	89	0 0	1 1	0 0	0 0	3 0	0 0	5 1	0 0		9 2	
			- -	3 20	- -	- -	- -	- -	1 5	- -		3 20/11	
<i>Hertfordshire</i>													
Rothamsted (S)	TL 132134	128	0 0	2 2	0 0	0 0	3 2	3 0	3 1	0 0		11 5	
			- -	1 20	- -	- -	2 17	- -	1 5	- -		2 17/ 2	
<i>Essex</i>													
Langham	TM 018339	12	0 0	2 2	0 0	0 0	0 0	0 0	0 0	0 0		2 2	
			- -	1 20	- -	- -	- -	- -	- -	- -		1 20/11	
Layer-de-la-Haye	TL 965196	44	0 0	2 0	0 0	0 0	2 0	1 0	1 0	0 0		6 0	
			- -	- -	- -	- -	- -	- -	- -	- -		- -	
Rayleigh	TQ 805910	73	0 0	1 1	0 0	0 0	0 0	2 0	1 0	0 0		4 1	
			- -	1 20	- -	- -	- -	- -	- -	- -		1 20/11	
Stansted (S)	TL 531226	101	0 0	2 2	0 0	0 0	3 1	5 0	3 0	0 0		13 3	
			- -	2 21	- -	- -	T 17	- -	- -	- -		2 21/11	
DISTRICT 4 — MIDLAND COUNTIES													
<i>West Yorkshire</i>													
Wilsden (S)	SE 088349	262	0 0	2 4	0 0	2 0	7 3	7 1	9 2	1 0		28 10	
			- -	9 20	- -	- -	1 25	+ +	2 5	- -		+ +	
<i>South Yorkshire</i>													
Finningley (S)	SK 659989	10	0 0	2 1	0 0	0 0	2 0	4 0	5 0	0 0		13 1	
			- -	1 21	- -	- -	- -	- -	- -	- -		1 21/11	
Redmires	SK 262857	338	0 0	2 5	0 0	0 0	4 5	3 1	7 6	0 0		16 17	
			- -	12 20	- -	- -	19 25	4 20	14 3	- -		19 25/ 2	
<i>Derbyshire</i>													
Buxton (S)	SK 058734	307	0 0	1 4	0 0	1 0	8 4	4 0	9 3	0 0		23 11	
			- -	7 21	- -	- -	35 25	- -	3 23	- -		35 25/ 2	
Littleover	SK 335339	71	0 0	1 1	0 0	0 0	6 1	7 0	8 0	0 0		22 2	
			- -	1 20	- -	- -	1 17	- -	- -	- -		1 20/11	
<i>Nottinghamshire</i>													
Watnall (S)	SK 503456	117	0 0	1 4	0 0	0 0	6 1	3 0	7 1	1 0		18 6	
			- -	9 20	- -	- -	1 17	- -	6 25	- -		9 20/11	
<i>Staffordshire</i>													
Hednesford	SK 017123	235	0 0	1 3	0 0	0 0	2 3	2 0	3 0	0 0		8 6	
			- -	4 20	- -	- -	3 17	- -	- -	- -		4 20/11	

Table 3 (continued)

Station	Grid Reference	Alt. (m)	1988					1989					Season
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May			
<i>Leicestershire</i>													
Market Harborough	SP 732879	96	0 0	1 3	0 0	0 0	2 0	1 0	5 1	0 0	9 4		
			- -	5 20	- -	- -	- -	- -	3 25	- -	5 20/11		
Stanford	SP 596804	112	0 0	1 1	0 0	0 0	2 1	1 0	5 1	0 0	9 3		
			- -	1 20	- -	- -	1 17	- -	5 25	- -	5 25/ 4		
<i>Shropshire</i>													
Shawbury (S)	SJ 553220	72	0 0	1 1	1 0	0 0	7 1	4 0	5 0	0 0	18 2		
			- -	2 20	- -	- -	T 17	- -	- -	- -	2 20/11		
<i>West Midlands</i>													
Elmdon (S)	SP 167841	98	0 0	1 1	1 0	0 0	5 1	3 0	7 1	0 0	17 3		
			- -	4 20	- -	- -	1 17	- -	1 5	- -	4 20/11		
<i>Hereford & Worcester</i>													
Longtown	SO 322291	172	0 0	1 1	0 0	0 0	4 2	1 0	2 2	0 0	8 5		
			- -	2 20	- -	- -	T 17	- -	T 4	- -	2 20/11		
Martley	SO 743598	53	0 0	1 1	0 0	0 0	4 1	2 0	3 0	0 0	10 2		
			- -	3 20	- -	- -	1 17	- -	- -	- -	3 20/11		
<i>Gloucestershire</i>													
Didbrook Fields (S)	SP 048320	80	0 0	1 0	0 0	0 0	3 0	2 0	3 0	0 0	9 0		
			- -	- -	- -	- -	- -	- -	- -	- -	- -		
<i>Oxfordshire</i>													
Brize Norton (S)	SP 292067	81	0 0	1 1	0 0	0 0	5 0	1 0	3 0	0 0	10 1		
			- -	1 20	- -	- -	- -	- -	- -	- -	1 20/11		
Shirburn (S)	SU 695971	108	0 0	1 1	0 0	0 0	2 0	0 0	4 2	0 0	7 3		
			- -	T 20	- -	- -	- -	- -	3 5	- -	3 5/ 4		
<i>Buckinghamshire</i>													
Little Chalfont	SU 988968	130	0 0	2 1	0 0	0 0	6 0	2 0	4 1	0 0	14 2		
			- -	T 20	- -	- -	- -	- -	1 5	- -	1 5/ 4		
DISTRICT 5 — ENGLAND SE & CENTRAL S													
<i>Greater London</i>													
Eastcote	TQ 110881	53	0 0	1 0	0 0	0 0	0 0	0 0	2 0	0 0	3 0		
			- -	- -	- -	- -	- -	- -	- -	- -	- -		
Teddington	TQ 169703	9	0 0	1 0	0 0	0 0	1 0	1 0	2 1	0 0	5 1		
			- -	- -	- -	- -	- -	- -	T 5	- -	T 5/ 4		
<i>Wiltshire</i>													
Lyneham (S)	SU 006782	145	0 0	2 1	0 0	0 0	6 0	2 0	3 0	0 0	13 1		
			- -	1 20	- -	- -	- -	- -	- -	- -	1 20/11		
<i>Surrey</i>													
Camberley	SU 867600	66	0 0	1 0	0 0	0 0	1 0	0 0	2 1	0 0	4 1		
			- -	- -	- -	- -	- -	- -	1 5	- -	1 5/ 4		
<i>Kent</i>													
East Malling (S)	TQ 708571	33	0 0	2 0	0 0	0 0	2 0	2 0	4 0	0 0	10 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	2 0	0 0	0 0	0 0	1 0	2 0	0 0	5 0		
			- -	- -	- -	- -	- -	- -	- -	- -	- -		
Penshurst Place	TQ 528440	40	0 0	0 0	0 0	0 0	1 1	0 0	0 0	0 0	1 1		
			- -	- -	- -	- -	T 26	- -	- -	- -	T 26/ 2		
Wye (S)	TR 058469	56	0 0	1 0	0 0	0 0	0 0	0 0	1 0	0 0	2 0		
			- -	- -	- -	- -	- -	- -	- -	- -	- -		

Table 3 (continued)

Station	Grid Reference	Alt. (m)	1988					1989					Season
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May			
<i>Hampshire</i>													
Southampton (S)	SU 416112	3	0 0	1 0	0 0	0 0	1 0	0 0	2 0	0 0	4 0	0 0	
<i>West Sussex</i>													
Gatwick (S)	TQ 265407	59	0 0	2 0	0 0	0 0	4 0	2 0	3 1	0 0	11 1	1 5/4	
Washington	TQ 118135	53	0 0	1 0	0 0	0 0	3 0	0 0	2 0	0 0	6 0	0 0	
DISTRICT 7a — ENGLAND NW & ISLE OF MAN													
<i>Cumbria</i>													
Alston	NY 717471	287	0 0	2 6	3 0	2 0	9 8	8 3	6 3	3 0	33 20	11 19/2	
Dale Head	NY 313175	189	0 0	+ 5	0 0	0 0	2 5	3 2	1 0	0 0	+ 12	5 20/11	
Ennerdale (W)	NY 085153	117	0 0	+ +	0 0	0 0	0 0	1 0	1 0	0 0	+ +	1 21/11	
Geltsdale	NY 575537	229	0 0	2 5	1 0	0 0	4 3	2 1	0 0	0 0	9 9	8 20/11	
Haweswater	NY 503159	213	0 0	2 5	0 0	0 0	3 7	2 2	1 1	0 0	8 15	5 20/11	
Lanthwaite	SD 165851	44	0 0	1 0	0 0	0 0	0 0	0 0	0 0	0 0	1 0	0 0	
<i>Lancashire</i>													
Bacup	SD 847198	404	0 0	2 5	0 0	0 0	10 6	9 2	7 1	0 0	28 14	10 20/11	
Belmont	SD 692142	247	0 0	1 4	0 0	1 0	6 6	5 2	8 2	1 0	22 14	6 19/11	
Slaidburn	SD 717547	192	0 0	2 4	0 0	0 0	8 1	10 0	6 0	1 0	27 5	7 20/11	
Squires Gate (S)	SD 316316	10	0 0	2 0	0 0	0 0	4 0	1 0	4 0	0 0	11 0	0 0	
<i>Greater Manchester</i>													
Ringway (S)	SJ 821849	75	0 0	1 0	0 0	0 0	6 1	4 0	3 0	1 0	15 1	T 25/2	
Strinesdale	SD 955064	241	0 0	2 2	0 0	0 0	9 1	4 2	8 0	0 0	23 5	10 23/3	
<i>Cheshire</i>													
Northwich	SJ 656729	14	0 0	3 0	0 0	0 0	2 3	0 0	2 0	0 0	7 3	6 24/2	
<i>Isle Of Man</i>													
Point Of Ayre (S)	NX 463047	9	0 0	0 0	0 0	0 0	0 0	0 0	1 0	0 0	1 0	0 0	
Douglas (S)	SC 381776	85	0 0	0 0	0 0	0 0	0 0	0 0	2 0	0 0	2 0	0 0	
Ronaldsway (S)	SC 279687	16	0 0	1 0	0 0	0 0	2 0	1 0	4 0	0 0	8 0	0 0	

Table 3 (continued)

Station	Grid Reference	Alt. (m)	1988					1989					Season
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May			
DISTRICT 7b — WALES N													
<i>Gwynedd</i>													
Dolgellau	SH 732177	27	0 0	1 1	0 0	0 0	1 0	2 0	5 1	0 0	9 2		
			- -	T 21	- -	- -	- -	- -	5 26	- -	5 26/ 4		
Nantmor	SH 603463	52	0 0	0 0	0 0	0 0	+ +	0 0	0 0	0 0	+ +		
			- -	- -	- -	- -	+ +	- -	- -	- -	+ +		
Pen-y-Bryn Isaf	SH 636513	76	0 0	1 0	0 0	0 0	1 0	1 1	4 0	0 0	7 1		
			- -	- -	- -	- -	- -	2 20	- -	- -	2 20/ 3		
Valley (S)	SH 309757	10	0 0	1 0	0 0	0 0	1 0	2 0	5 0	1 0	10 0		
			- -	- -	- -	- -	- -	- -	- -	- -	- -		
<i>Clwyd</i>													
Alwen	SH 957529	335	0 0	3 1	0 0	0 0	5 3	5 4	1 1	0 0	14 9		
			- -	2 20	- -	- -	2 25	4 22	1 5	- -	4 22/ 3		
Llanarmon D C (S)	SJ 156327	267	0 0	2 4	1 0	2 0	11 7	11 2	12 1	1 0	40 14		
			- -	7 20	- -	- -	14 25	1 21	3 5	- -	14 25/ 2		
Moel-y-Crio (S)	SJ 194699	263	0 0	2 4	2 0	1 0	8 3	8 1	7 1	2 1	30 10		
			- -	7 20	- -	- -	13 25	5 21	7 5	3 12	13 25/ 2		
<i>Powys (North)</i>													
Llanfair Caereinion (S)	SJ 133057	236	0 0	1 3	0 0	1 0	6 5	3 1	6 0	0 0	17 9		
			- -	4 20	- -	- -	15 25	T 21	- -	- -	15 25/ 2		
DISTRICT 8a — WALES S													
<i>Dyfed</i>													
Aberporth	SN 242521	133	0 0	0 0	0 0	0 0	3 0	1 1	3 0	0 0	7 1		
			- -	- -	- -	- -	- -	T 20	- -	- -	T 20/ 3		
Brawdy (S)	SM 851248	111	0 0	0 0	0 0	0 0	2 0	3 0	5 1	0 0	10 1		
			- -	- -	- -	- -	- -	- -	T 25	- -	T 25/ 4		
Towy Castle	SN 406141	84	0 0	1 0	0 0	0 0	3 0	2 0	4 0	0 0	10 0		
			- -	- -	- -	- -	- -	- -	- -	- -	- -		
<i>Powys (South)</i>													
Velindre (S)	SO 186371	152	0 0	1 1	1 0	0 0	4 0	3 0	6 1	0 0	15 2		
			- -	T 20	- -	- -	- -	- -	5 6	- -	5 6/ 4		
<i>West Glamorgan</i>													
Penmaen	SS 531889	87	0 0	0 0	0 0	0 0	1 0	2 0	2 0	0 0	5 0		
			- -	- -	- -	- -	- -	- -	- -	- -	- -		
Swansea (S)	SS 642923	10	0 0	0 0	0 0	0 0	0 0	1 0	0 0	0 0	1 0		
			- -	- -	- -	- -	- -	- -	- -	- -	- -		
<i>Mid Glamorgan</i>													
Cwmbargoed	SO 081062	372	0 0	1 0	4 0	1 0	8 4	5 2	8 1	0 0	27 7		
			- -	- -	- -	- -	10 17	5 16	8 6	- -	10 17/ 2		
Merthyr Tydfil	SO 048071	235	+ +	+ +	+ +	+ +	8 1	3 0	6 0	0 0	+ +		
			+ +	+ +	+ +	+ +	4 17	- -	- -	- -	+ +		
<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	0 0	0 0	0 0	1 0	4 0	3 0	5 0	0 0	13 0		
			- -	- -	- -	- -	- -	- -	- -	- -	- -		

Table 3 (continued)

Station	Grid Reference	Alt. (m)	1988					1989					Season
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May			
DISTRICT 8b — ENGLAND SW													
<i>Avon</i>													
Long Ashton (S)	ST 535699	51	0 0	1 0	0 0	0 0	2 0	2 0	2 0	0 0	7 0		
			- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	
<i>Somerset</i>													
Hawkrige (S)	SS 877327	314	0 0	0 0	0 0	0 0	3 4	3 0	2 0	0 0	8 4		
			- -	- -	- -	- -	15 26	- -	- -	- -	15 26/ 2		
Nettlecombe/Birds Hill(S)	ST 057363	280	0 0	0 0	0 0	0 0	2 0	2 0	3 0	0 0	7 0		
			- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	
Yeovilton (S)	ST 551237	18	0 0	1 0	0 0	0 0	2 0	0 0	1 0	0 0	4 0		
			- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	
<i>Dorset</i>													
Dorchester	SY 693891	60	0 0	0 0	0 0	0 0	1 0	0 0	1 0	0 0	2 0		
			- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	
Hurn (S)	SZ 117978	10	0 0	0 0	0 0	0 0	1 0	1 0	2 0	0 0	4 0		
			- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	
<i>Devon</i>													
Burrator	SX 553680	230	0 0	0 0	0 0	0 0	0 0	0 0	2 0	0 0	2 0		
			- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	
Chagford	SX 661866	381	0 0	1 0	0 0	0 0	5 4	1 0	2 2	0 0	9 6		
			- -	- -	- -	- -	14 26	- -	1 5	- -	14 26/ 2		
Exeter (S)	SY 001933	32	0 0	0 0	0 0	0 0	3 0	0 0	2 0	0 0	5 0		
			- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	
North Hessary Tor	SX 585735	427	0 0	0 0	0 0	0 0	3 3	1 0	2 1	0 0	6 4		
			- -	- -	- -	- -	10 25	- -	1 5	- -	10 25/ 2		
Okehampton (S)	SX 593943	372	0 0	0 0	0 0	0 0	7 3	2 0	4 1	0 0	13 4		
			- -	- -	- -	- -	7 26	- -	2 24	- -	7 26/ 2		
Plymouth	SX 514529	49	0 0	0 0	0 0	0 0	2 0	0 0	1 0	0 0	3 0		
			- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	
Yalland	SX 690628	264	0 0	0 0	0 0	0 0	6 1	2 0	4 0	0 0	12 1		
			- -	- -	- -	- -	7 26	- -	- -	- -	7 26/ 2		
<i>Cornwall</i>													
Bastreet (S)	SX 244765	236	0 0	0 0	0 0	0 0	3 3	1 0	2 0	0 0	6 3		
			- -	- -	- -	- -	4 25	- -	- -	- -	4 25/ 2		
Camborne (S)	SW 628407	87	0 0	0 0	0 0	0 0	1 0	0 0	3 0	0 0	4 0		
			- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	
St Mawgan	SW 871642	103	0 0	0 0	0 0	0 0	4 1	0 0	4 0	0 0	8 1		
			- -	- -	- -	- -	2 25	- -	- -	- -	2 25/ 2		

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.

Peak and Station	Altitude (metres)	Level	1988					1989					Total
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May			
Highland		a	4	5	7	10	21	24	10	1	82		
<i>Cul Beag</i>	769	b	4	5	7	10	21	24	10	1	82		
Knockanrock	244	c	1	2	0	2	14	9	7	0	35		
Highland		a	16	16	14	19	24	29	26	7	151		
<i>Creag Meagaidh</i>	1130	b	4	16	10	12	21	27	9	1	100		
Fersit	259	c	0	4	0	2	15	9	1	0	31		
Grampian		a	13	20	15	10	21	31	27	10	147		
<i>Ben Macdui</i>	1309	b	8	10	13	8	18	27	15	4	103		
Aviemore	228	c	0	4	0	0	12	3	1	0	20		
Tayside		a	8	21	16	12	22	31	30	23	163		
<i>Ben Lawers</i>	1214	b	0	8	7	7	19	27	10	1	79		
Ardtalnaig	130	c	0	1	0	0	6	3	0	0	10		
Strathclyde		a	1	6	9	9	19	23	22	3	92		
<i>Ben Vane</i>	916	b	1	5	6	6	17	20	22	0	77		
Loch Arklet	146	c	0	2	0	0	9	2	0	0	13		
Dumfries and Galloway		a	0	13	2	0	14	14	27	1	71		
<i>Merrick</i>	843	b	0	13	2	0	14	14	27	1	71		
Bargrennan	110	c	0	3	0	0	3	0	0	0	6		
Northumberland		a	0	5	0	0	8	6	4	1	24		
<i>Carter Bar</i>	579	b	—	—	—	—	—	—	—	—	—		
Catcleugh	250	c	0	5	0	0	7	3	3	0	18		
Cumbria		a	0	6	2	3	16	12	15	4	58		
<i>Cross Fell</i>	893	b	0	6	2	3	16	12	15	4	58		
Alston	287	c	0	6	0	0	8	3	3	0	20		
Cumbria		a	0	10	6	18	18	19	18	8	97		
<i>Helvellyn</i>	950	b	0	8	3	7	18	15	18	5	74		
Dale Head	189	c	0	5	0	0	5	2	0	0	12		
Gwynedd		a	0	6	0	2	8	7	17	2	42		
<i>Snowdon</i>	1085	b	0	1	0	1	5	3	3	0	13		
Pen-y-Bryn Isaf	76	c	0	0	0	0	0	1	0	0	1		
Gwynedd		a	0	3	0	6	8	9	13	0	39		
<i>Cader Idris</i>	893	b	0	3	0	6	8	9	13	0	39		
Dolgellau	27	c	0	1	0	0	0	0	1	0	2		
Powys		a	0	0	0	0	1	1	1	0	3		
<i>Brecon Beacons</i>	886	b	0	0	0	0	1	1	1	0	3		
Penmaen	87	c	0	0	0	0	0	0	0	0	0		