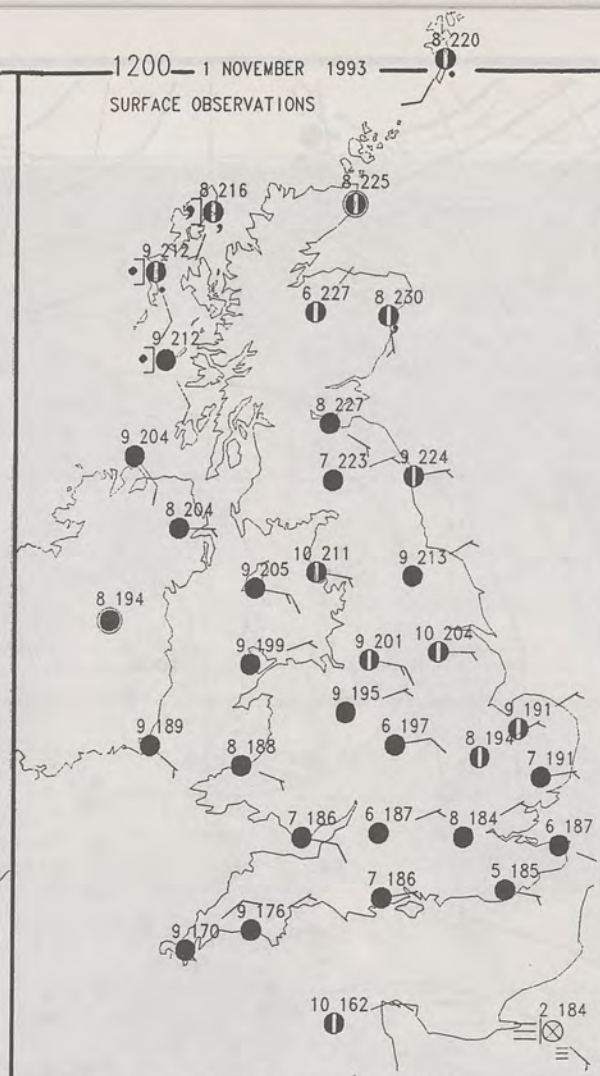
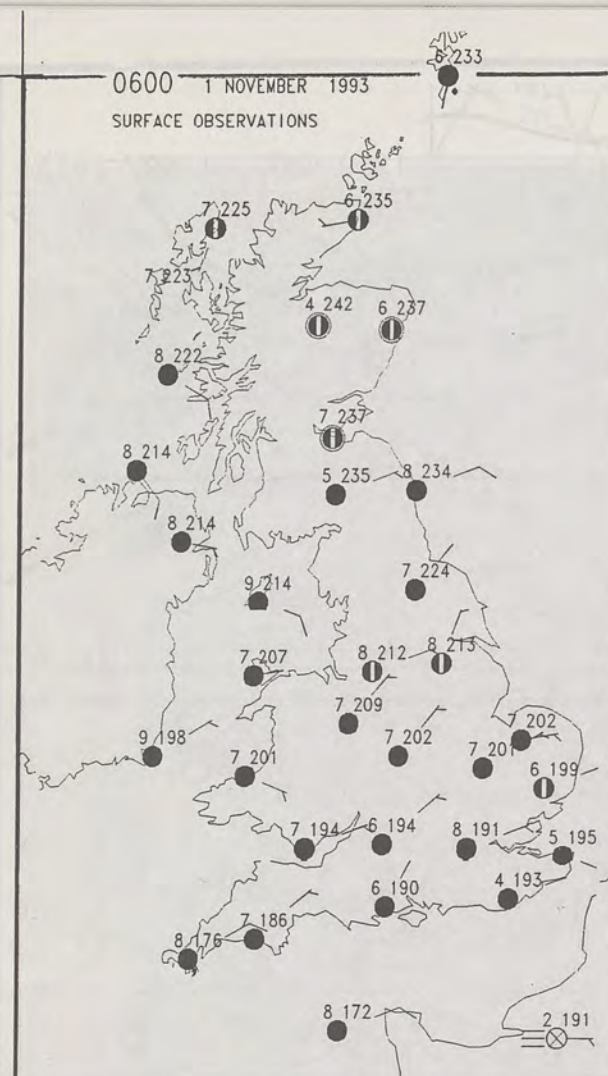


DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Monday 1st November 1993

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB



Warm front Cold front Occlusion



SUMMARY OF UK WEATHER MONDAY 1st November 1993

It was a cloudy night across the whole of the United Kingdom with very few breaks in the cloud cover. Apart from a little drizzle and some mistiness, mainly in northern and eastern areas, it was a dry and frost-free night.

The cloud persisted through the day but again, most places stayed dry. There was some rain and drizzle though in the Northern Isles, Northern Scotland and along parts of the east coast.

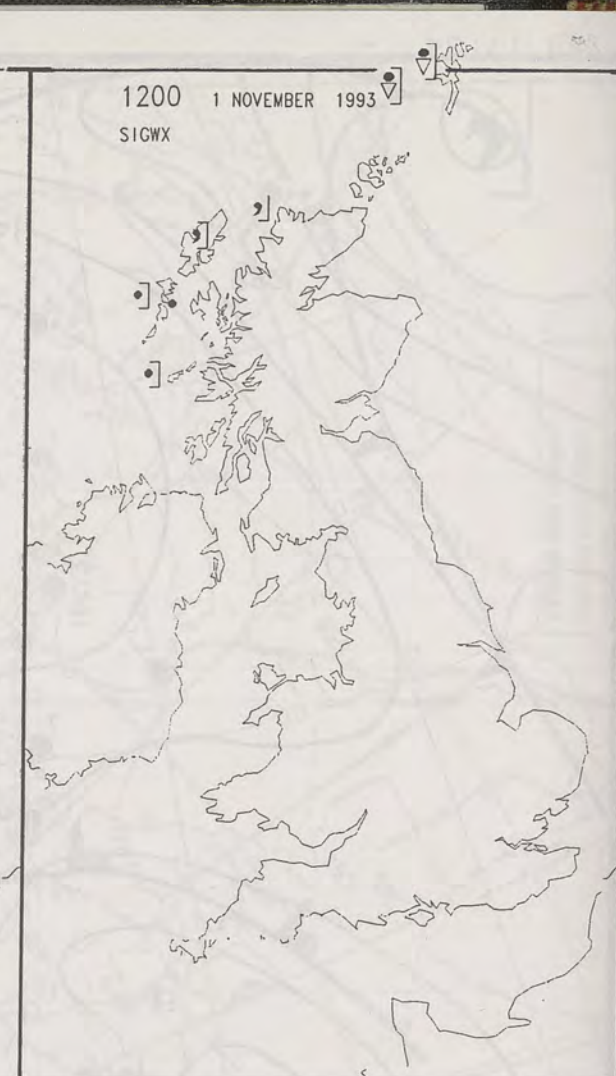
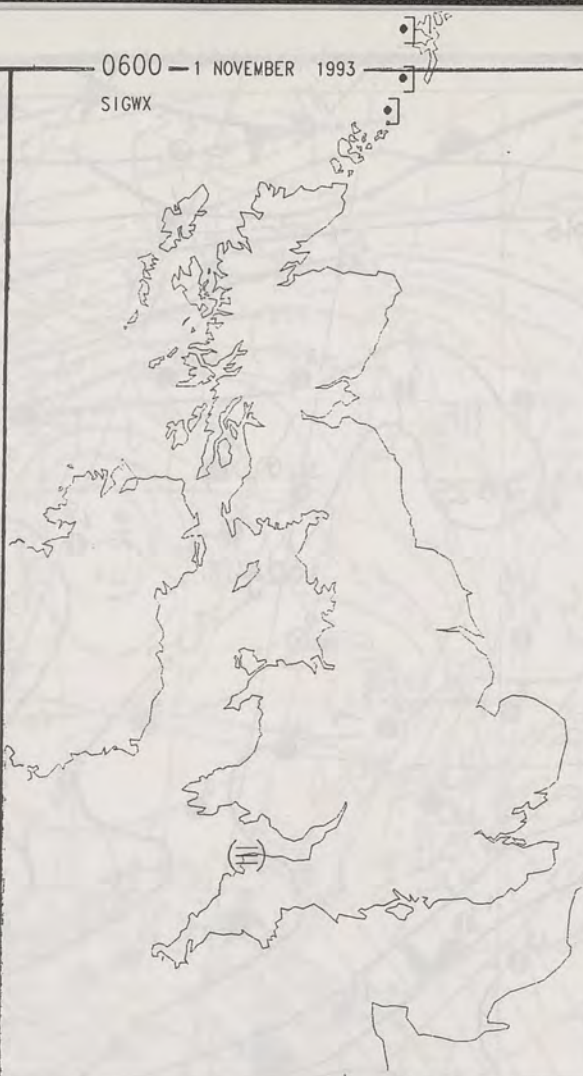
There was little change during the evening with the blanket of cloud remaining over much of the country. The largest breaks in the cloud were over the Northern Isles where there were also a few showers.

It was a rather cold day in most parts of the country but very cold in some southeastern parts.

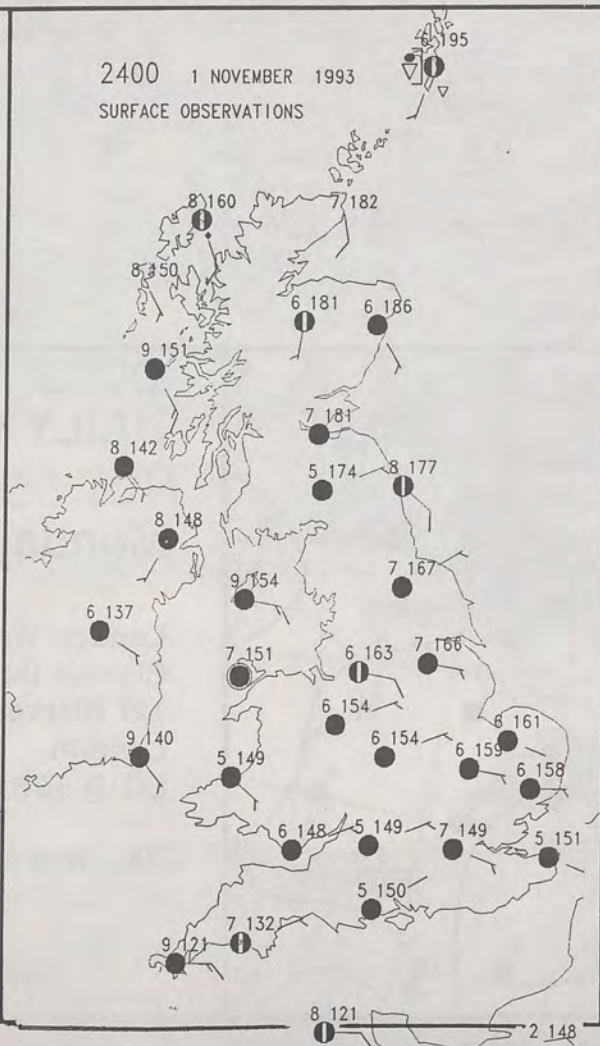
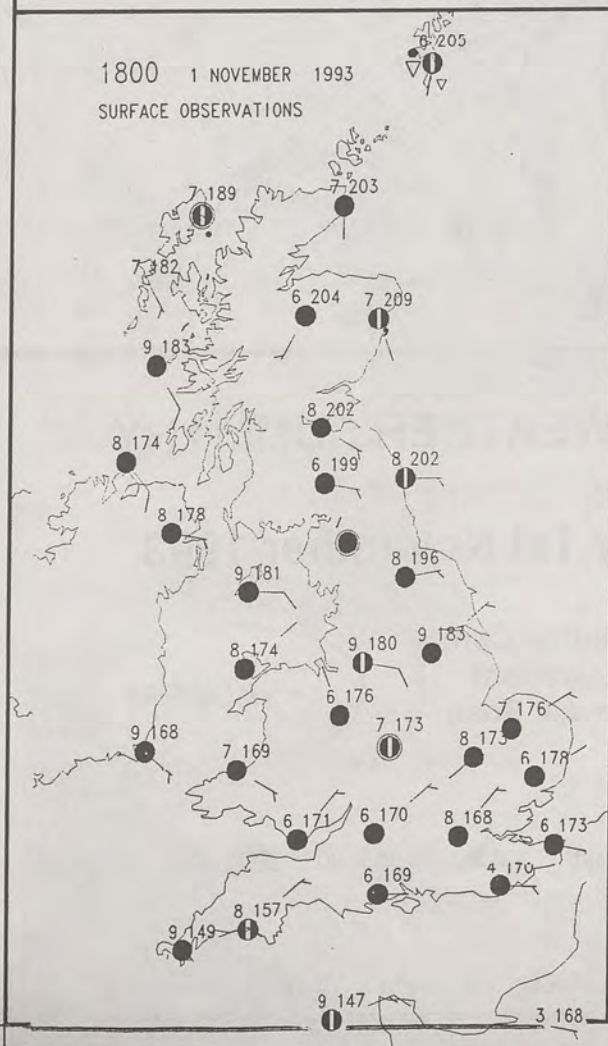
London Weather Centre

All times are GMT

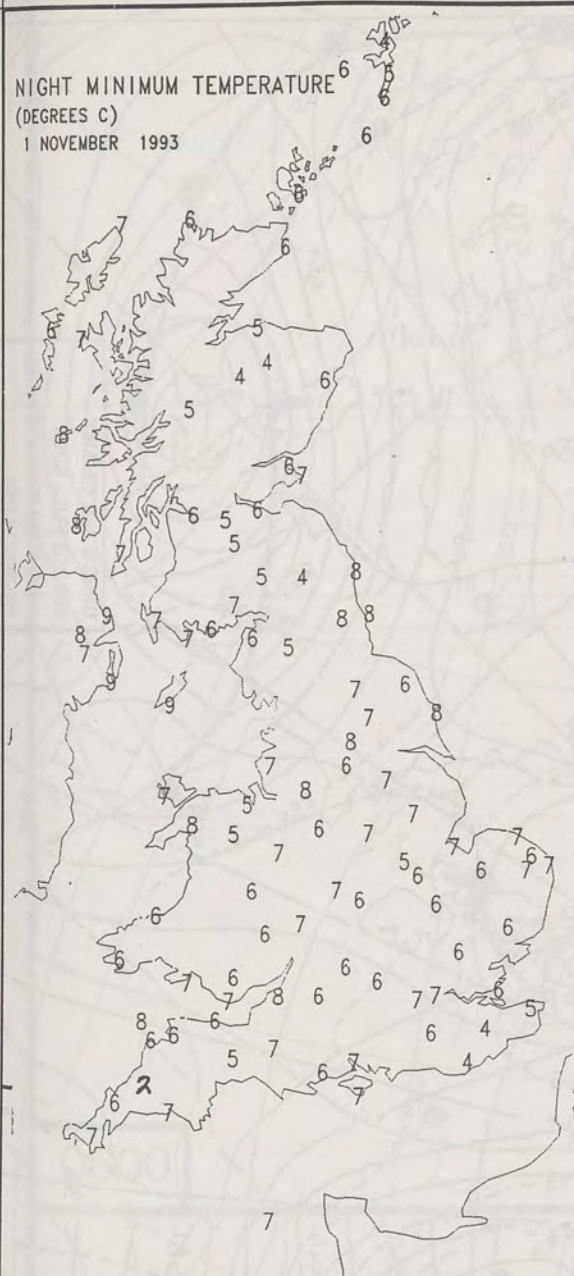
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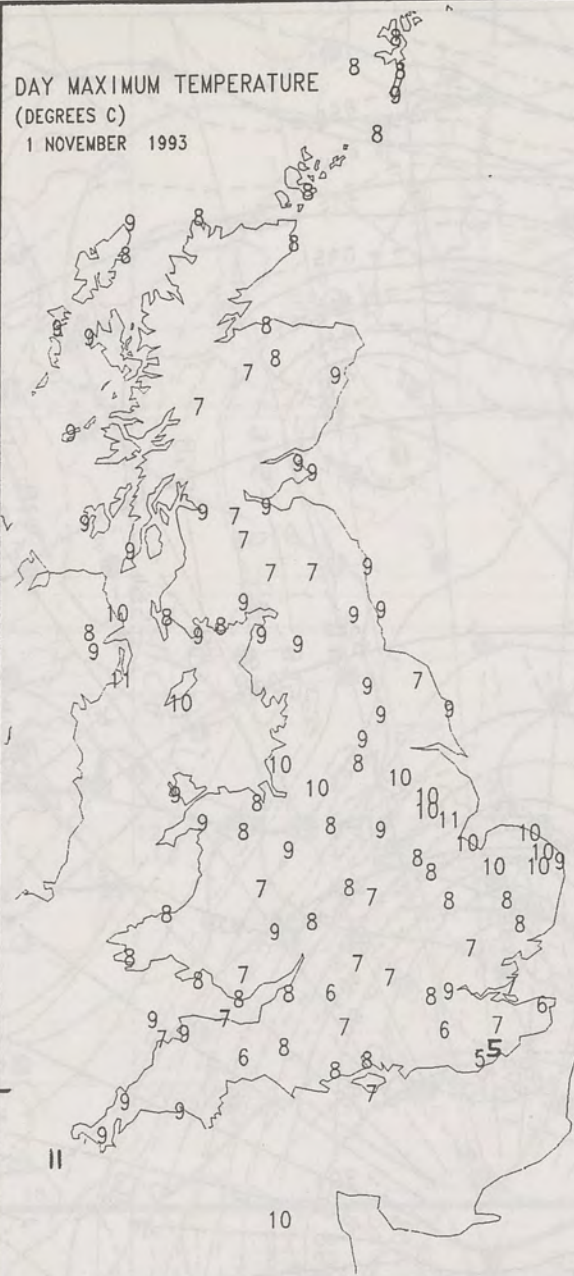
SIGNIFICANT WEATHER CHARTS



NIGHT MINIMUM TEMPERATURE
(DEGREES C)
1 NOVEMBER 1993



DAY MAXIMUM TEMPERATURE
(DEGREES C)
1 NOVEMBER 1993



NIGHT RAINFALL
(MILLIMETRES)
1 NOVEMBER 1993



X INDICATES TRACE TO 0.4 MM

DAY RAINFALL
(MILLIMETRES)
1 NOVEMBER 1993



X INDICATES TRACE TO 0.4 MM

SUNSHINE (DAWN TO DUSK)
(HOURS)
1 NOVEMBER 1993



X INDICATES 0.1-0.4 HRS

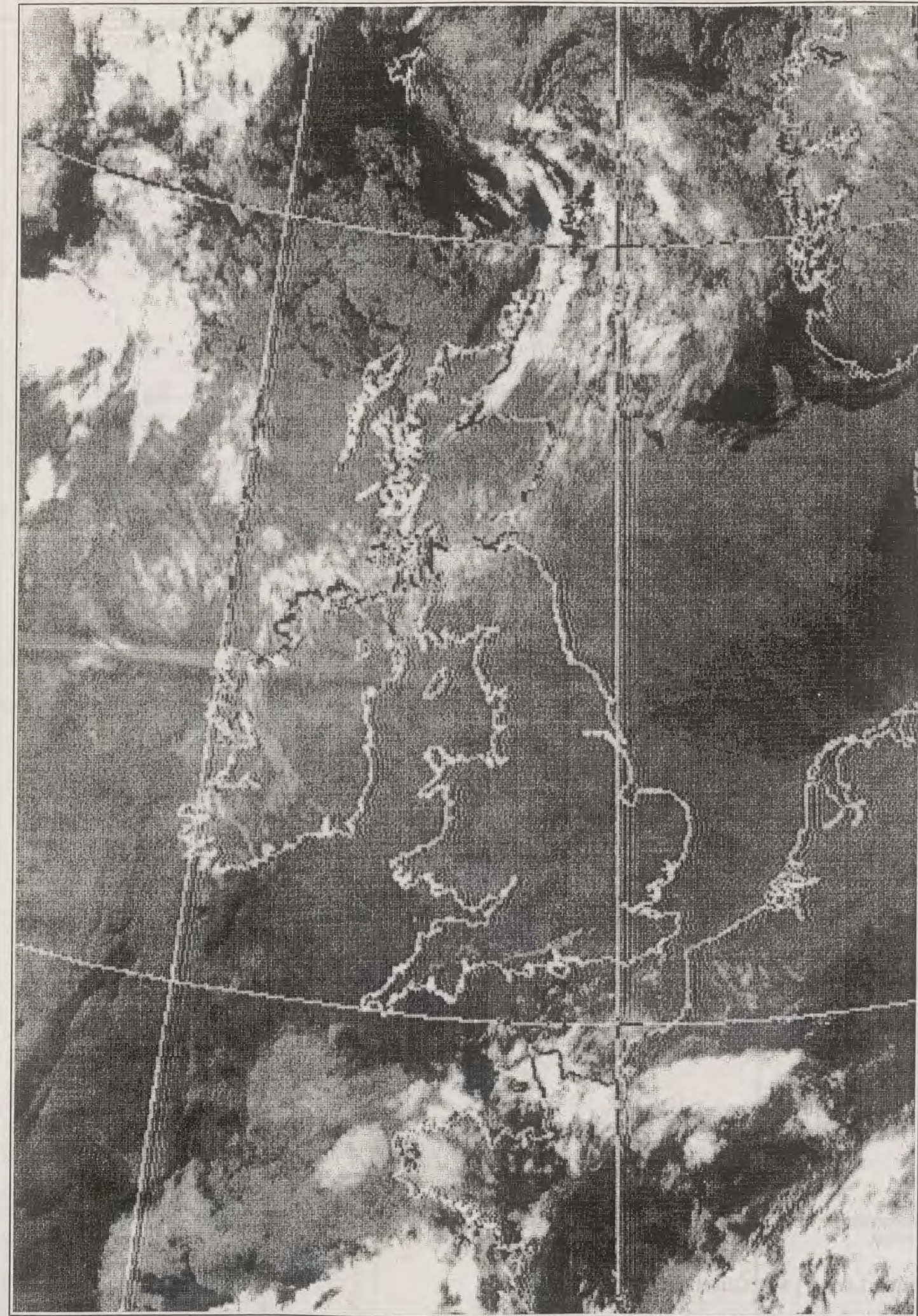
EXTREMES FOR MONDAY 1ST NOVEMBER 1993

Highest Maximum	: 11.5 C Isles of Scilly
Lowest Maximum	: 4.7 C Brede [East Sussex]
Lowest Minimum	: 1.8 C Bastreet [Cornwall]
Lowest Grass Minimum	: -1.7 C Bastreet
Most Rain (24 hours from 0900 GMT)	: 2.1 mm Foula [Shetland]
Most Sun	: 0.3 Hrs Morecambe [Lancs] and Guernsey Airport

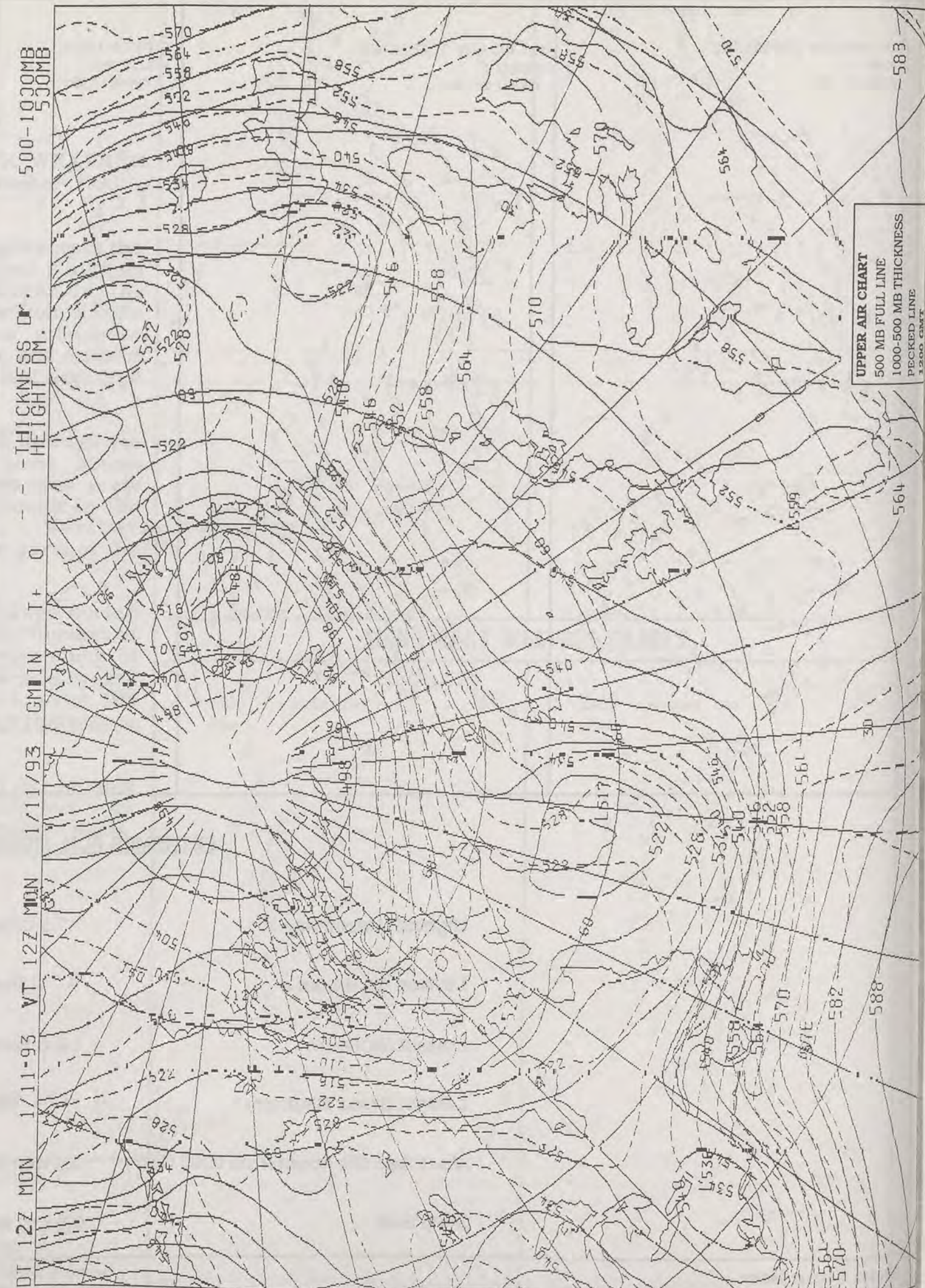
DAILY WEATHER SUMMARY



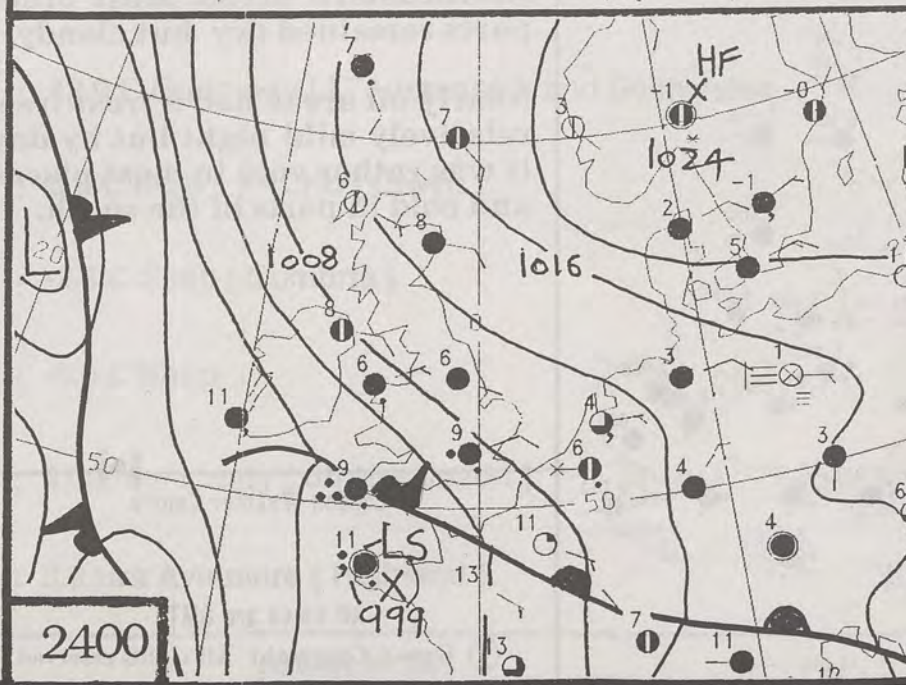
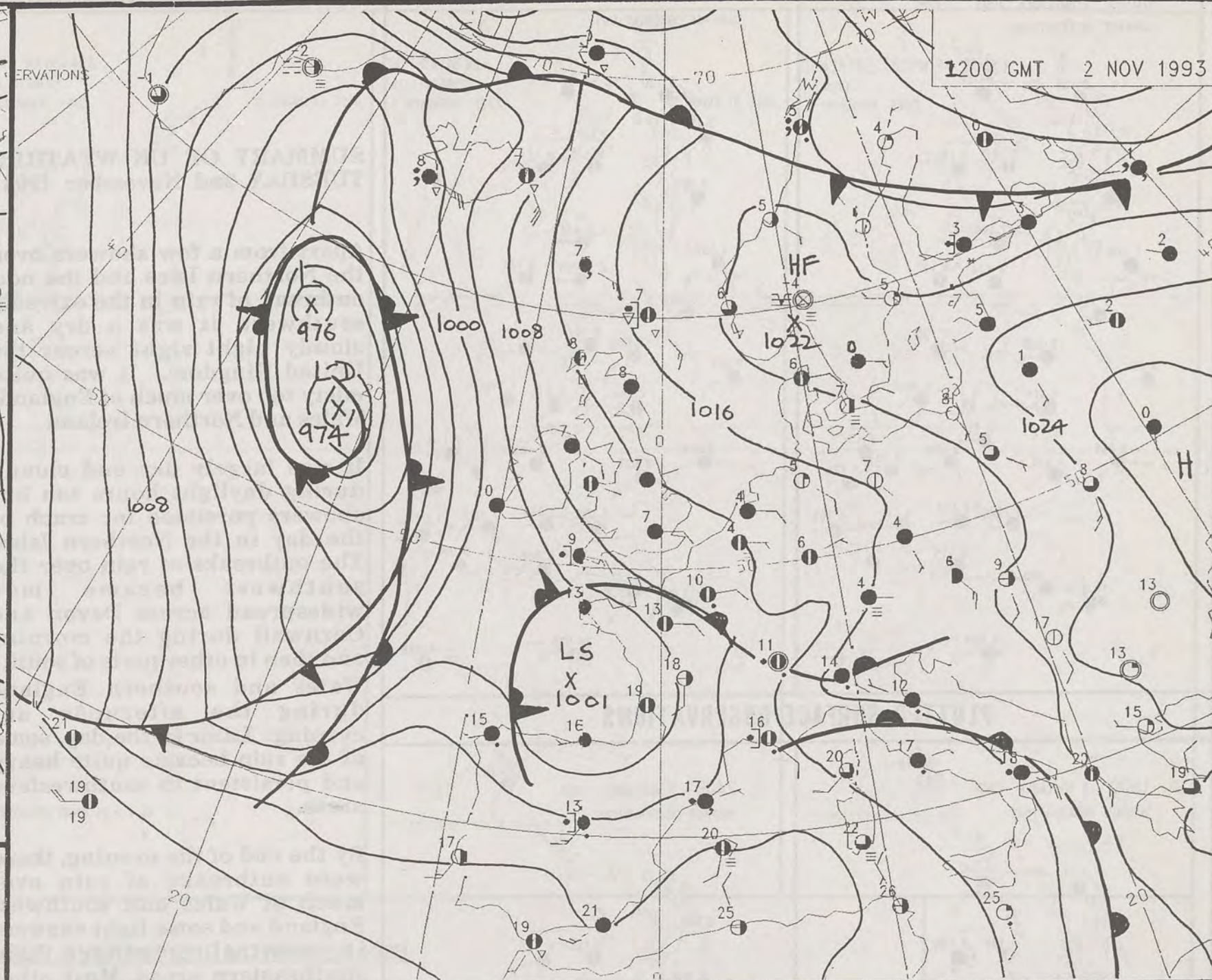
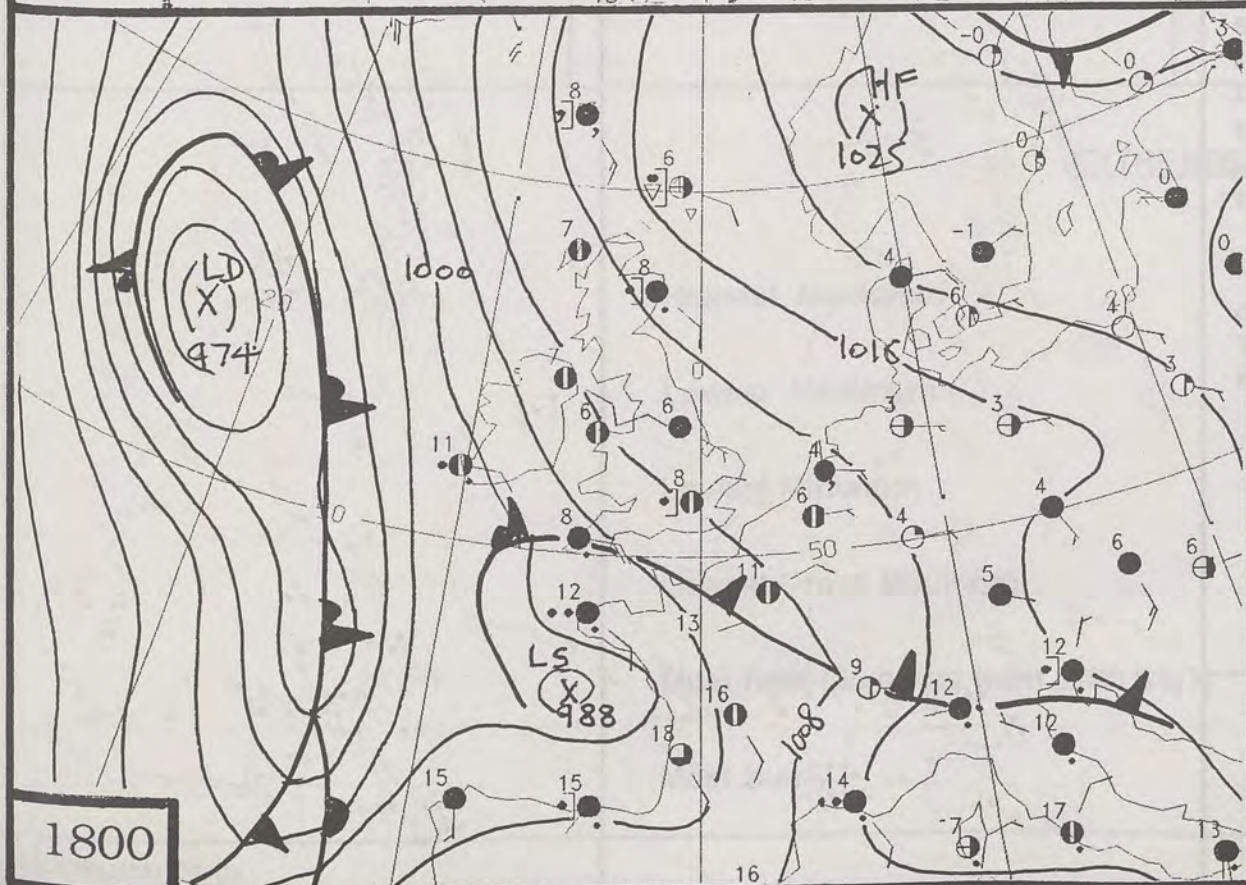
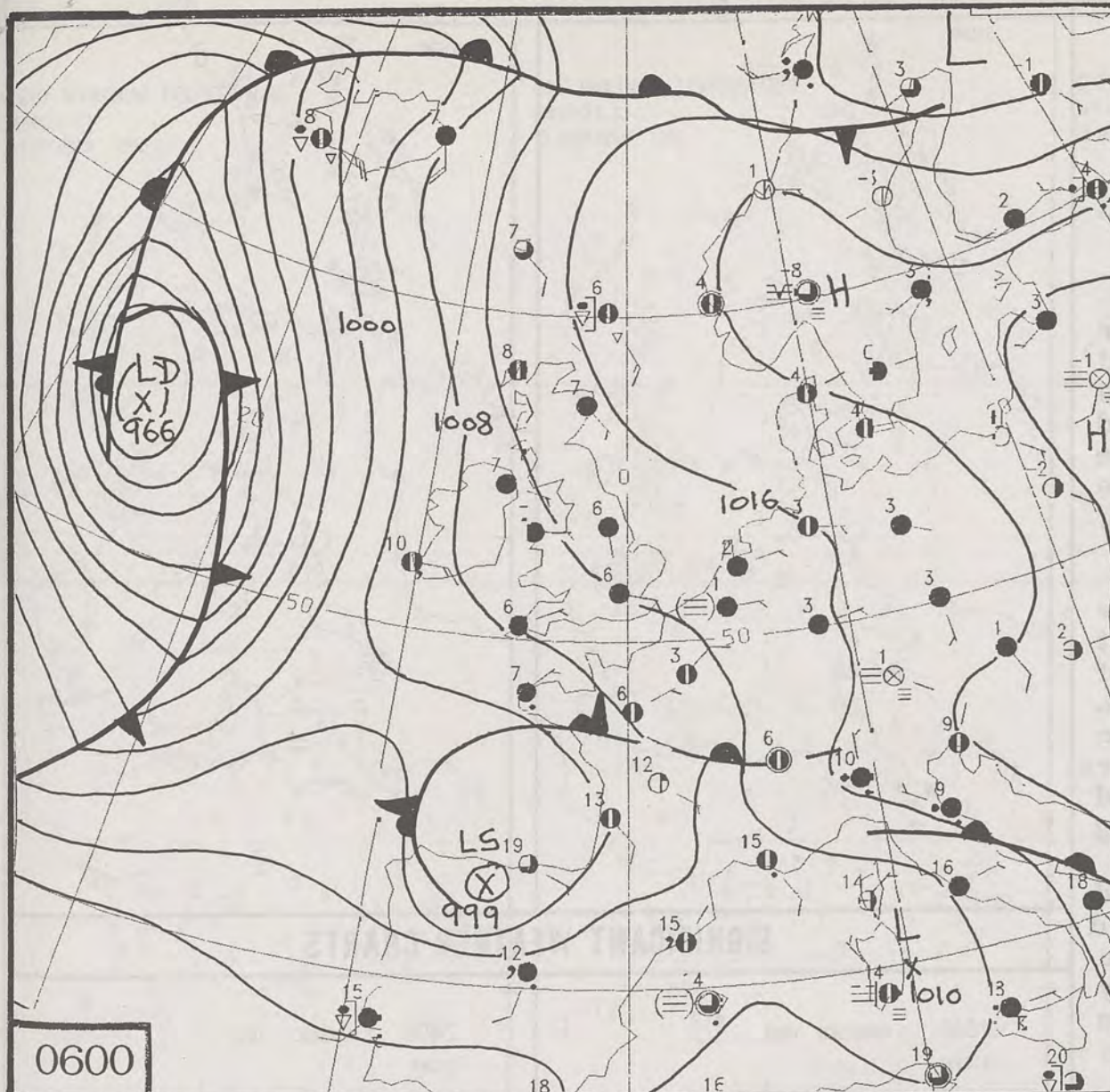
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INFRA RED 1/11/93 1502Z



56. 03
583
500 MB FULL LINE
1000-500 MB THICKNESS
PECKED LINE
1200 GMT
564
588



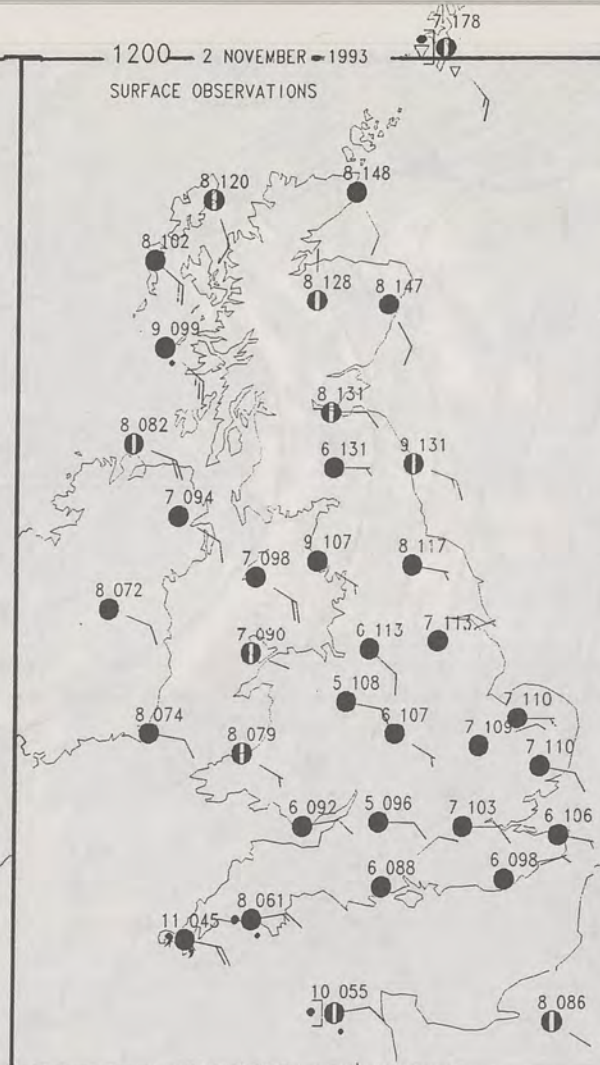
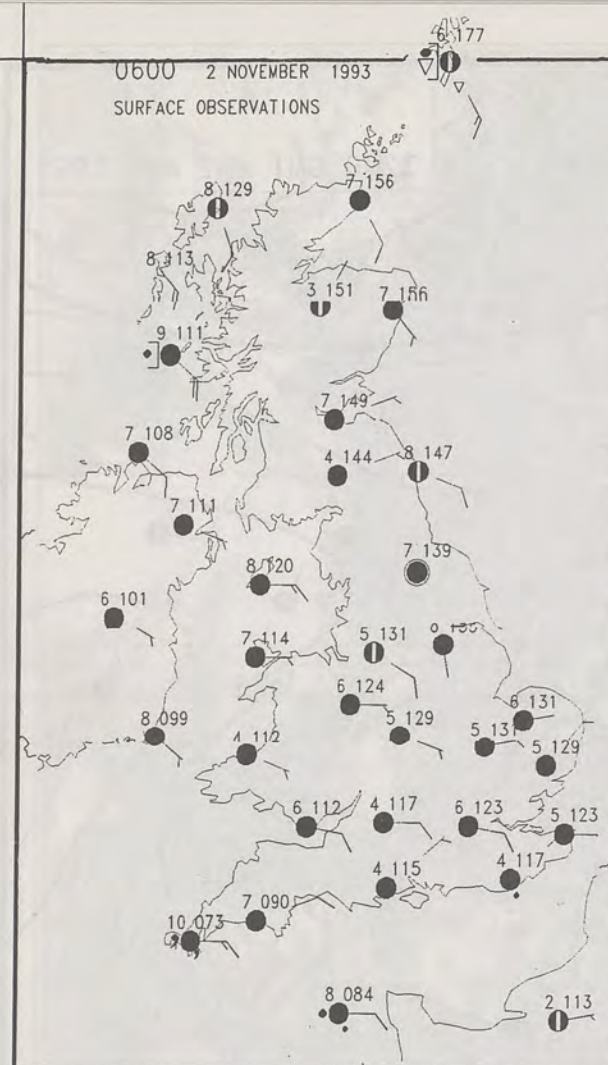
DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Tuesday 2nd November 1993

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB

METEOROLOGICAL OFFICE
16 NOV 1993
LIBRARY

Warm front Cold front Occlusion

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SUMMARY OF UK WEATHER TUESDAY 2nd November 1993

Apart from a few showers over the Northern Isles and the odd outbreak of rain in the extreme southwest, it was a dry and cloudy night right across the United Kingdom. It was quite misty too over much of England, Wales and Northern Ireland

It was largely dry and cloudy during daylight hours too but showers persisted for much of the day in the Northern Isles. The outbreaks of rain over the southwest became more widespread across Devon and Cornwall during the morning and then in other parts of south Wales and southern England during the afternoon and evening. Later in the day, some of the rain became quite heavy and persistent in southwestern areas.

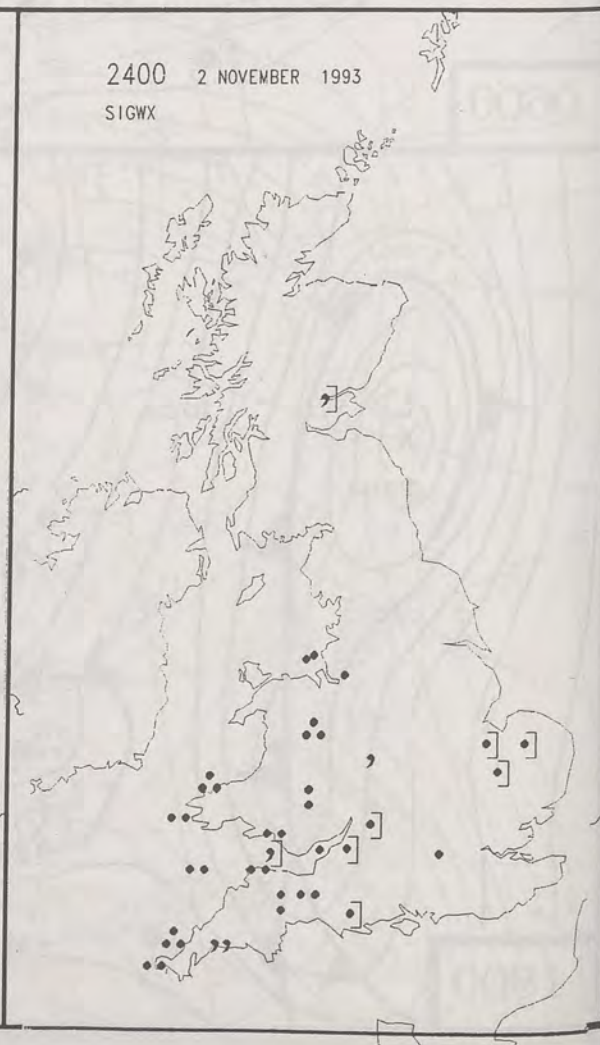
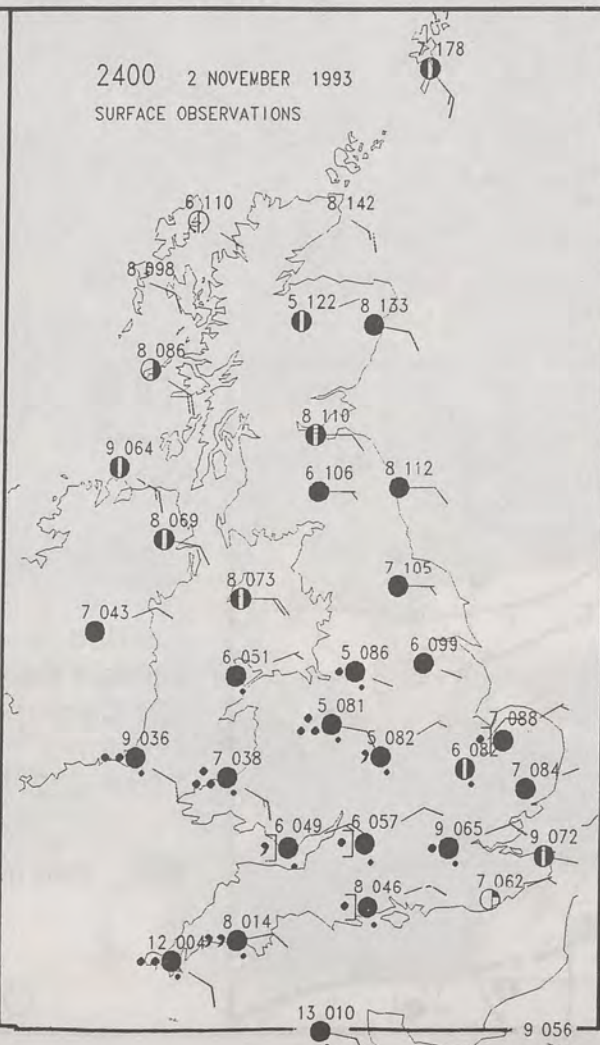
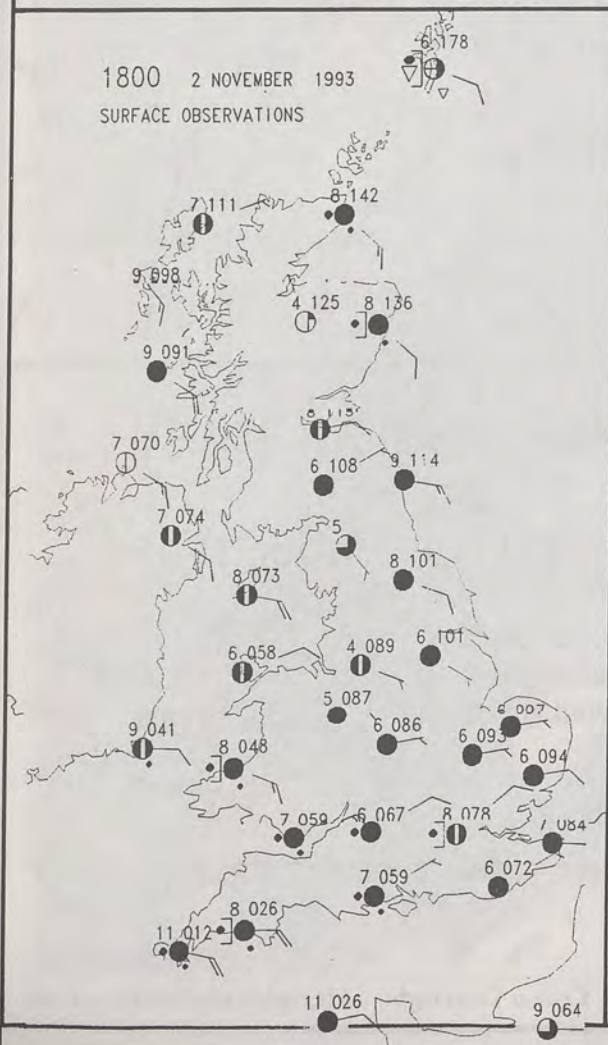
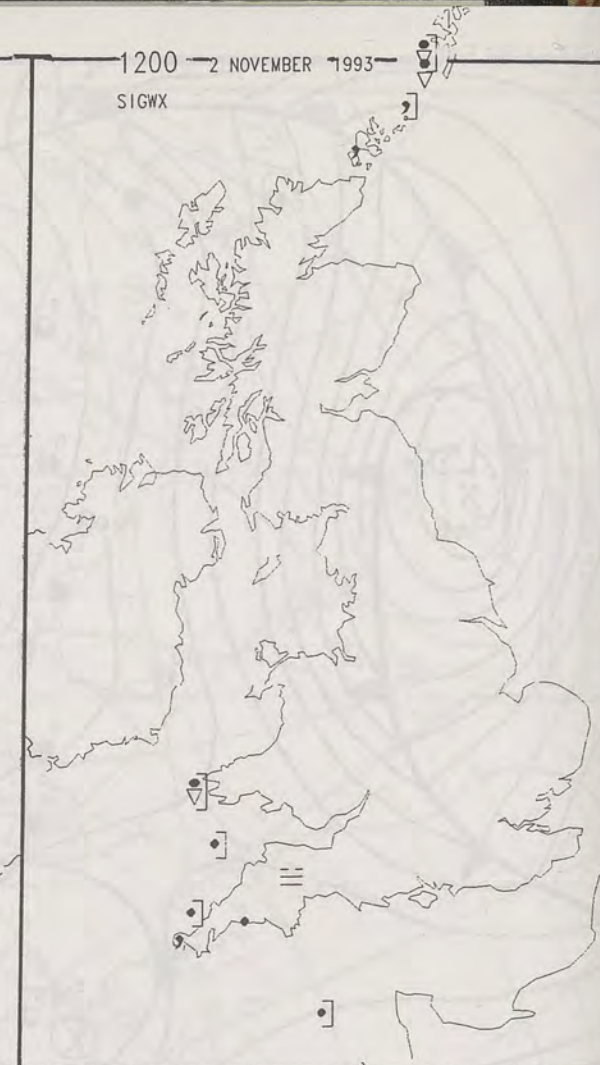
By the end of the evening, there were outbreaks of rain over much of Wales and southwest England and some light showers in central southern and southeastern areas. Most other parts remained dry but cloudy.

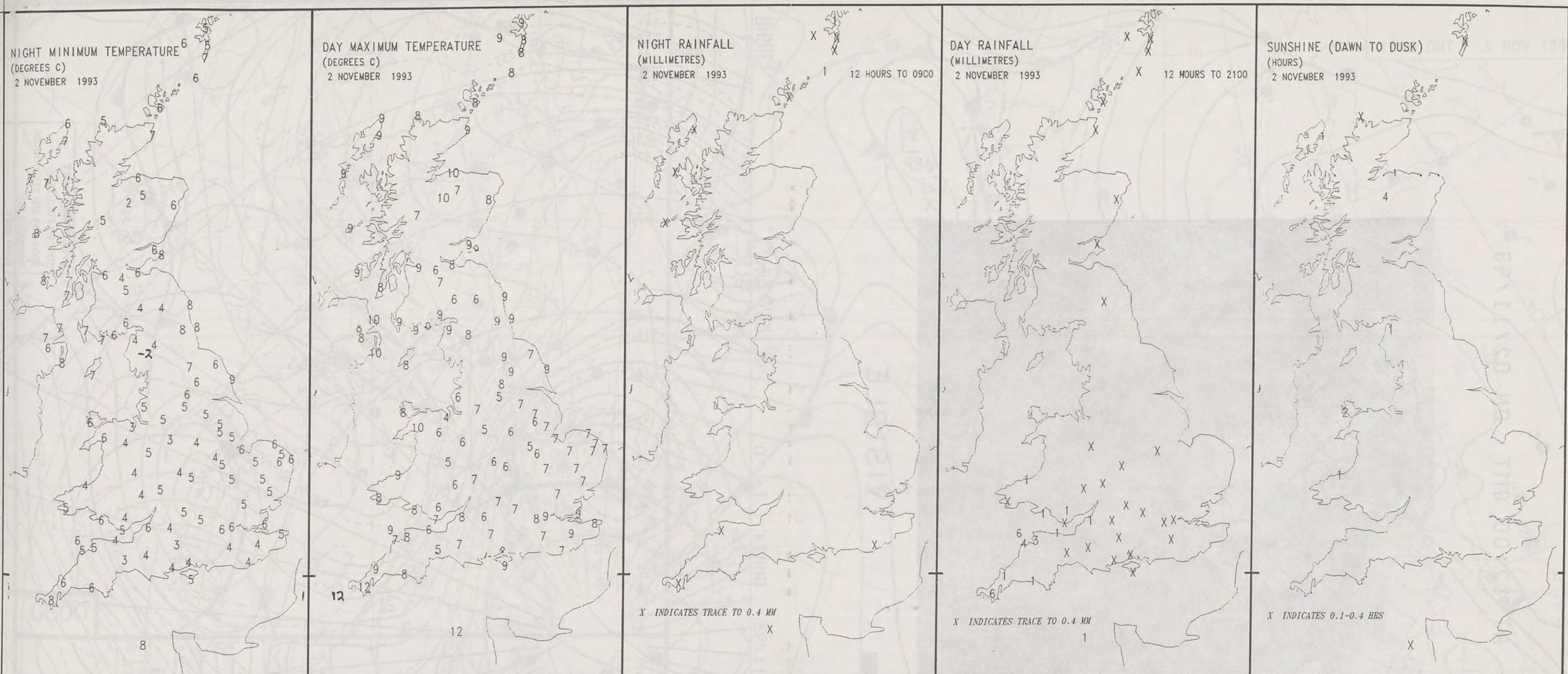
Nearly all areas had a frost-free, relatively mild night but by day it was rather cold in most places and cold in parts of the south.

London Weather Centre

All times are GMT

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EXTREMES FOR TUESDAY 2ND NOVEMBER 1993

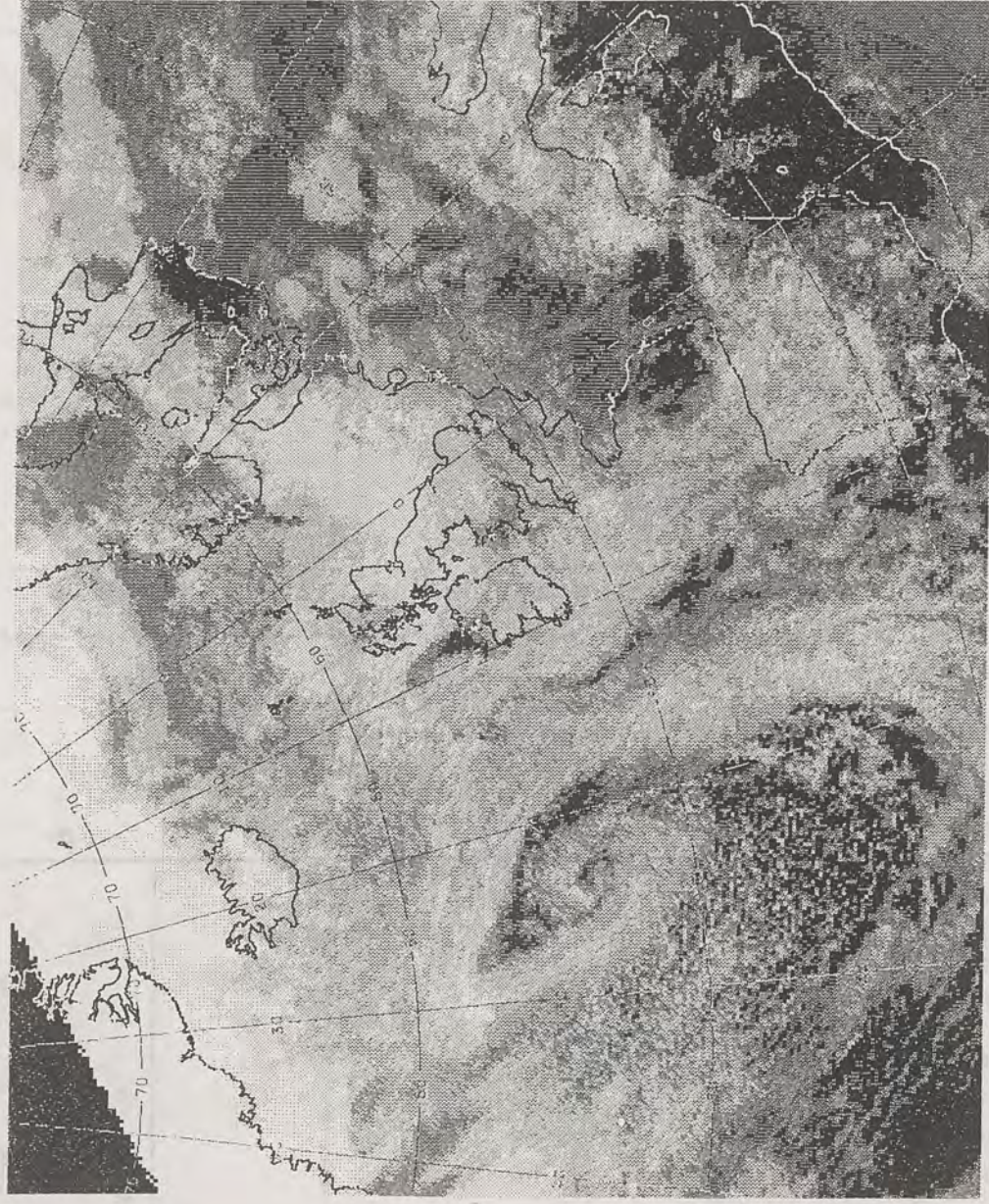
Highest Maximum	: 12.0 C Guernsey [L"Ancrese] and Scilly Isles
Lowest Maximum	: 3.6 C Moel - y - Crio [Clwyd]
Lowest Minimum	: -2.4 C Shap [Cumbria]
Lowest Grass Minimum	: -6.0 C Shap
Most Rain (24 hours from 0900 GMT)	: 27.0 mm Lundy [off NW Devon]
Most Sun	: 3.9 Hrs Aviemore [Highland]

DAILY WEATHER SUMMARY



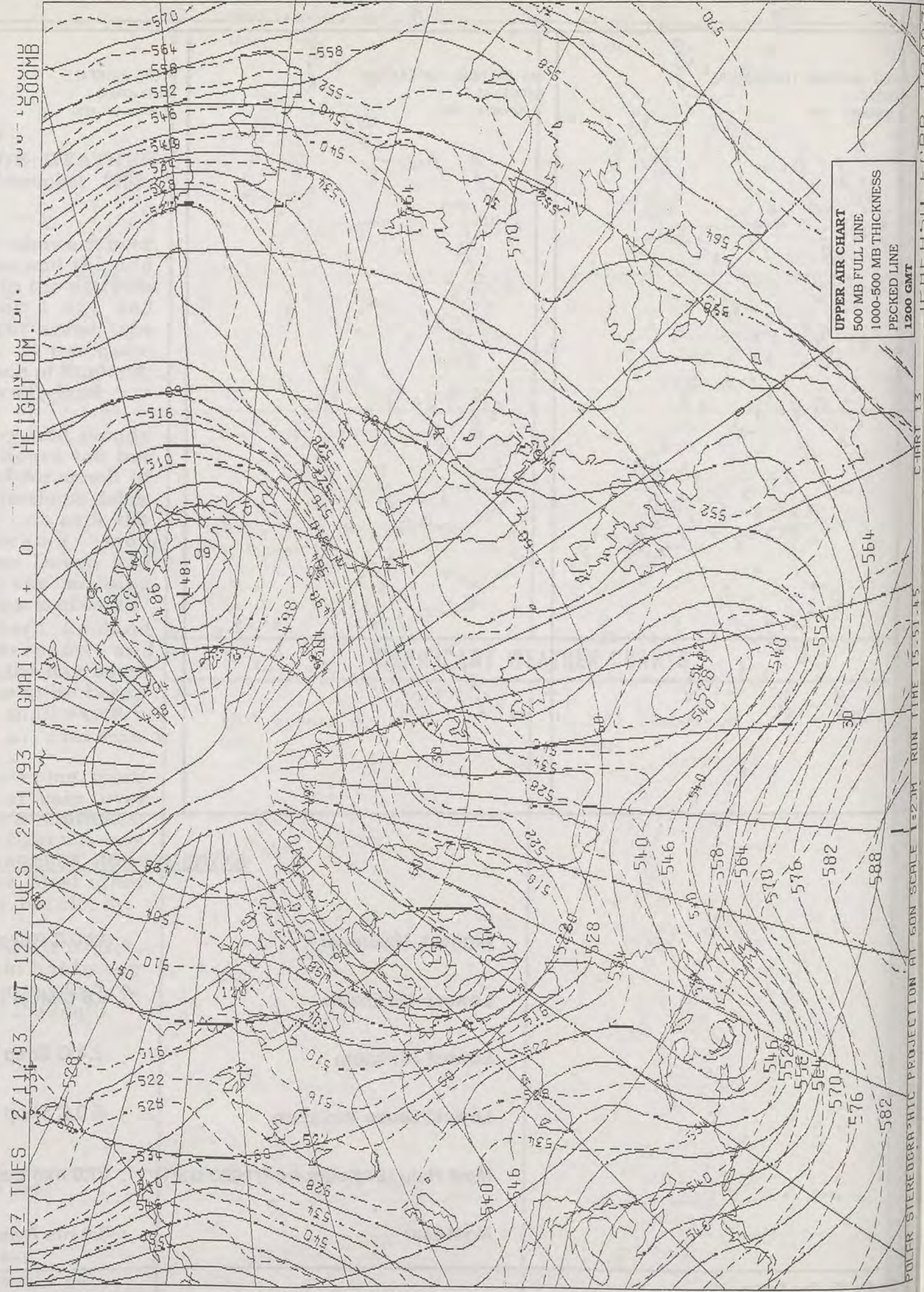
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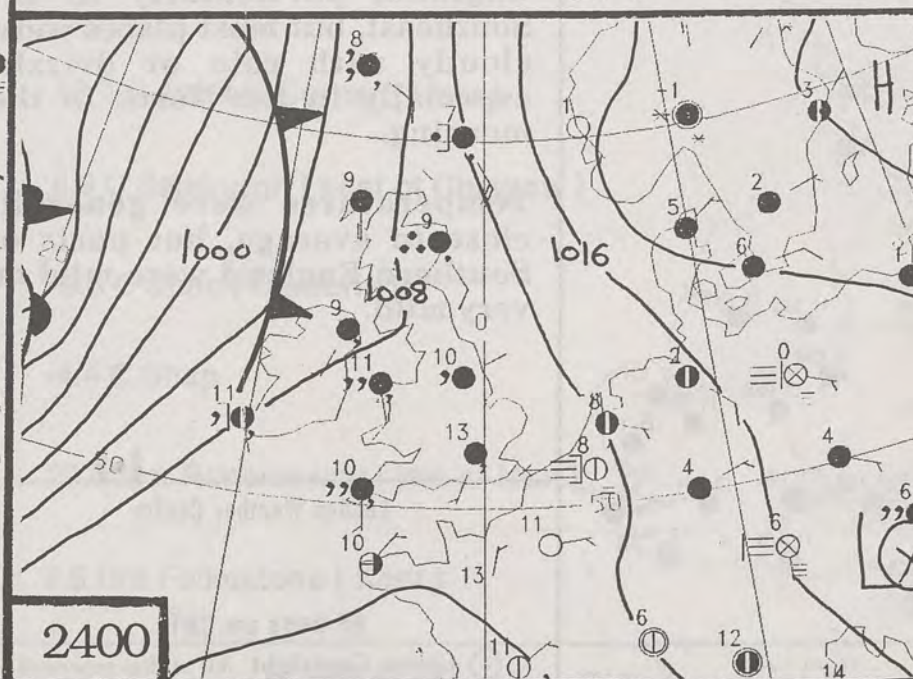
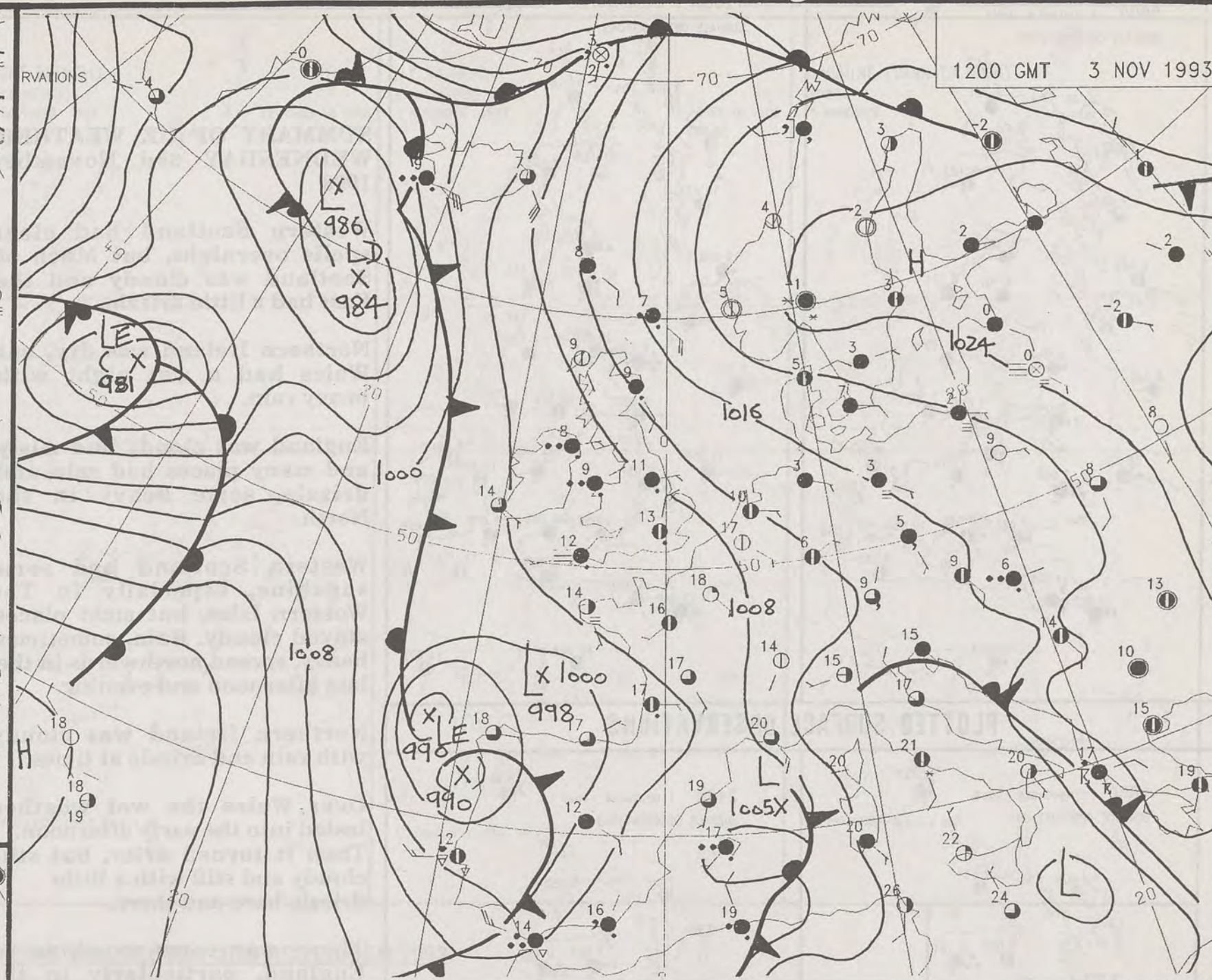
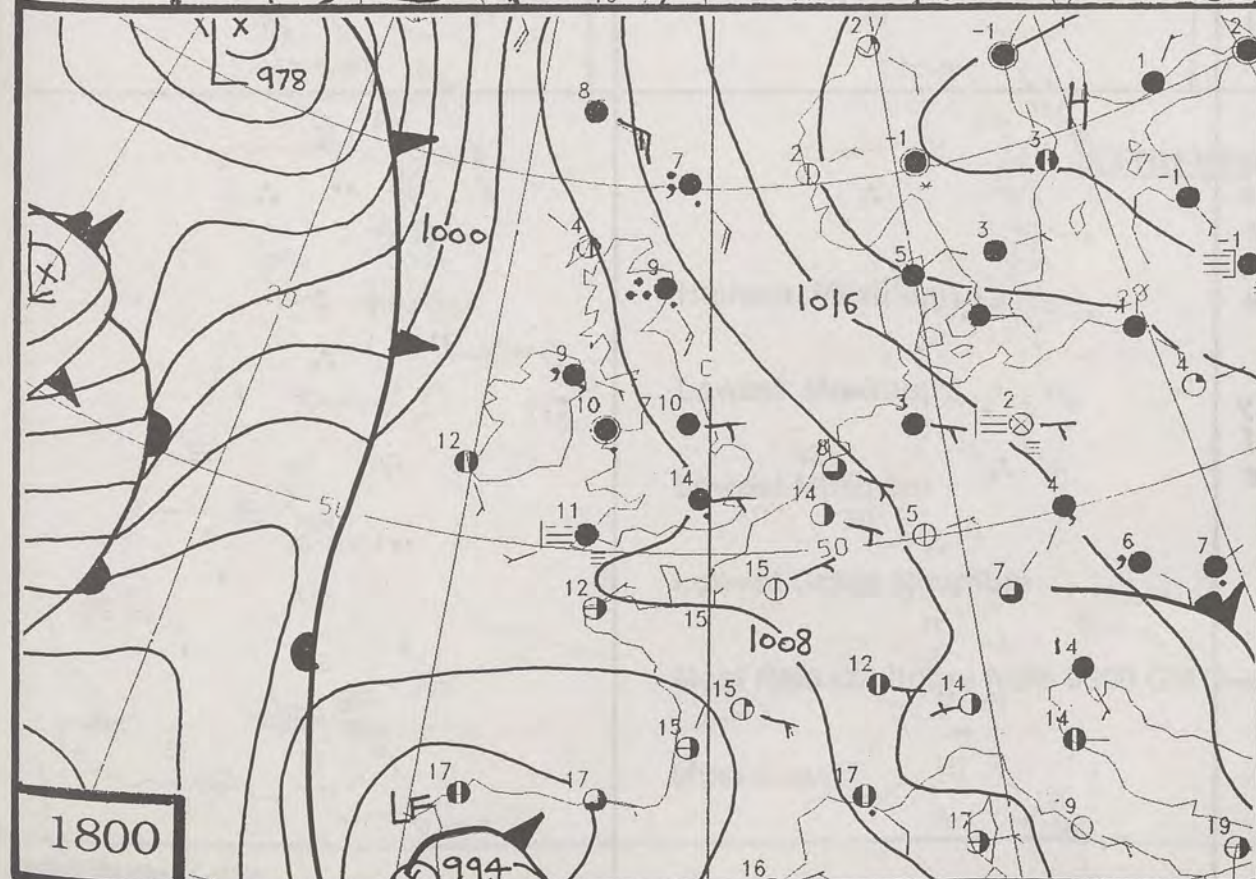
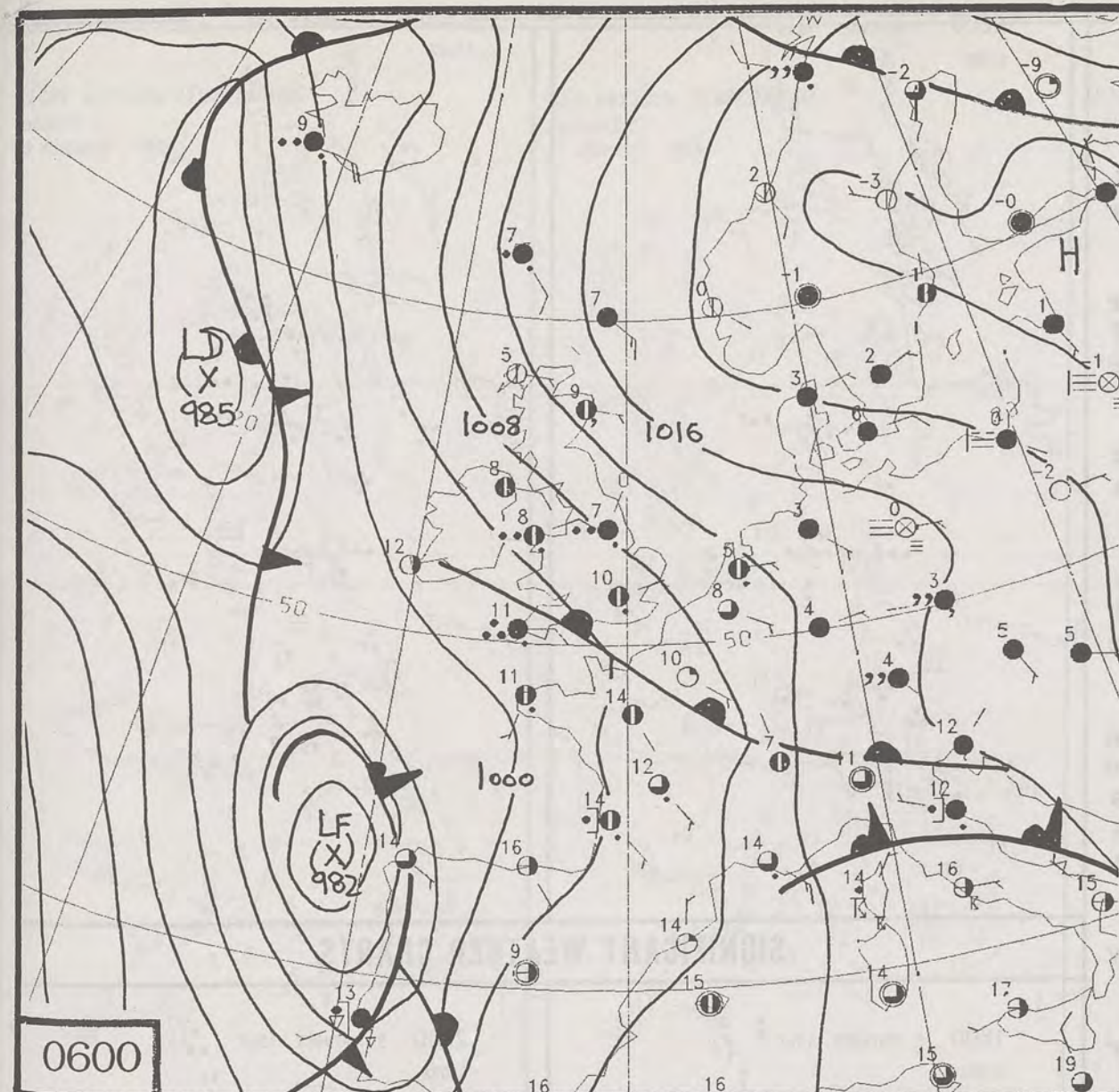
METEOSAT AT 12:00 GMT ON 02/11/93



CLOUD-TOP

VISIBLE





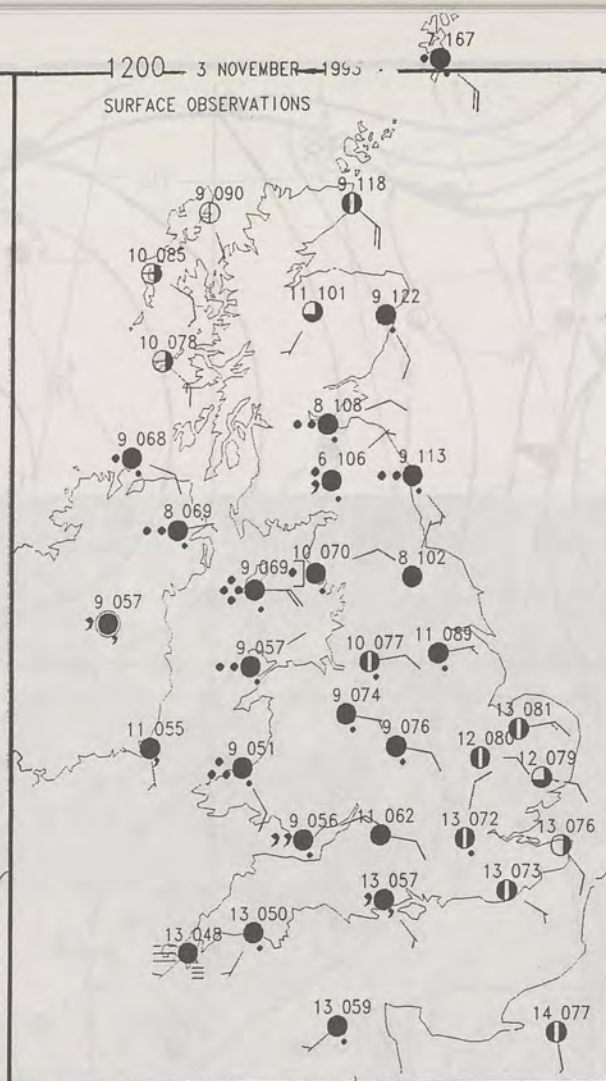
DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Wednesday 3rd November 1993

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB



Warm front Cold front Occlusion

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SUMMARY OF UK WEATHER WEDNESDAY 3rd November 1993

Western Scotland had clear spells overnight, but Much of Scotland was cloudy and the East had a little drizzle.

Northern Ireland was dry, but Wales had a wet night with heavy rain.

England was cloudy and misty and many places had rain and drizzle, some heavy in the North.

Western Scotland had some sunshine, especially in The Western Isles, but most places stayed cloudy. Rain, sometimes heavy, spread northwards in the late afternoon and evening.

Northern Ireland was cloudy with rain and drizzle at times.

Over Wales the wet weather lasted into the early afternoon. Then it turned drier, but still cloudy and still with a little drizzle here and there.

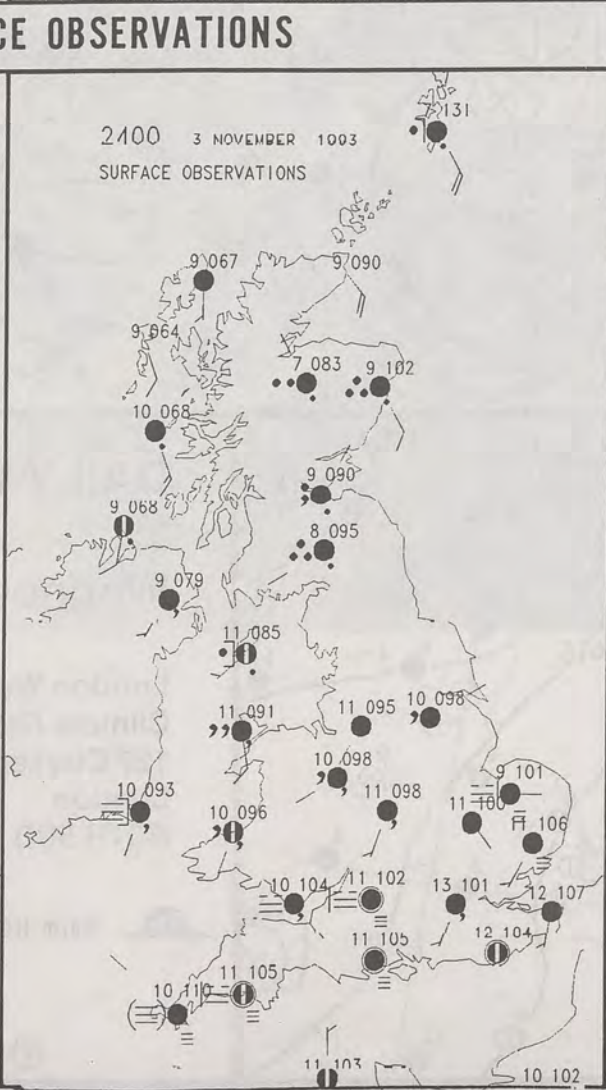
There was some sunshine in England, particularly in the Southeast, but most places were cloudy with rain or drizzle, especially in the North in the morning.

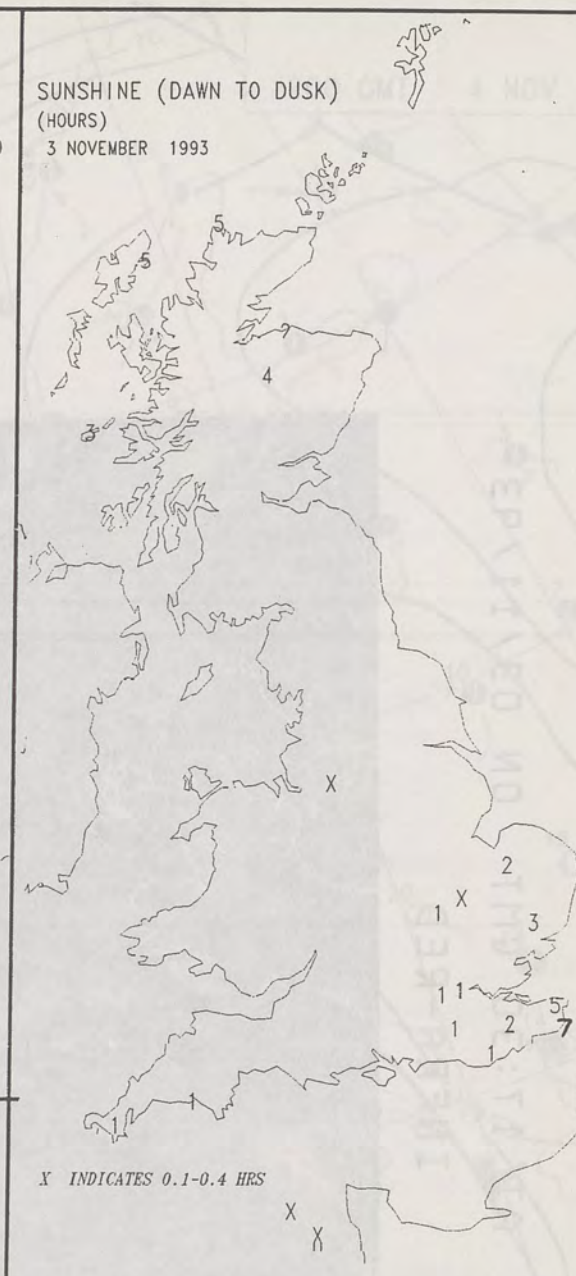
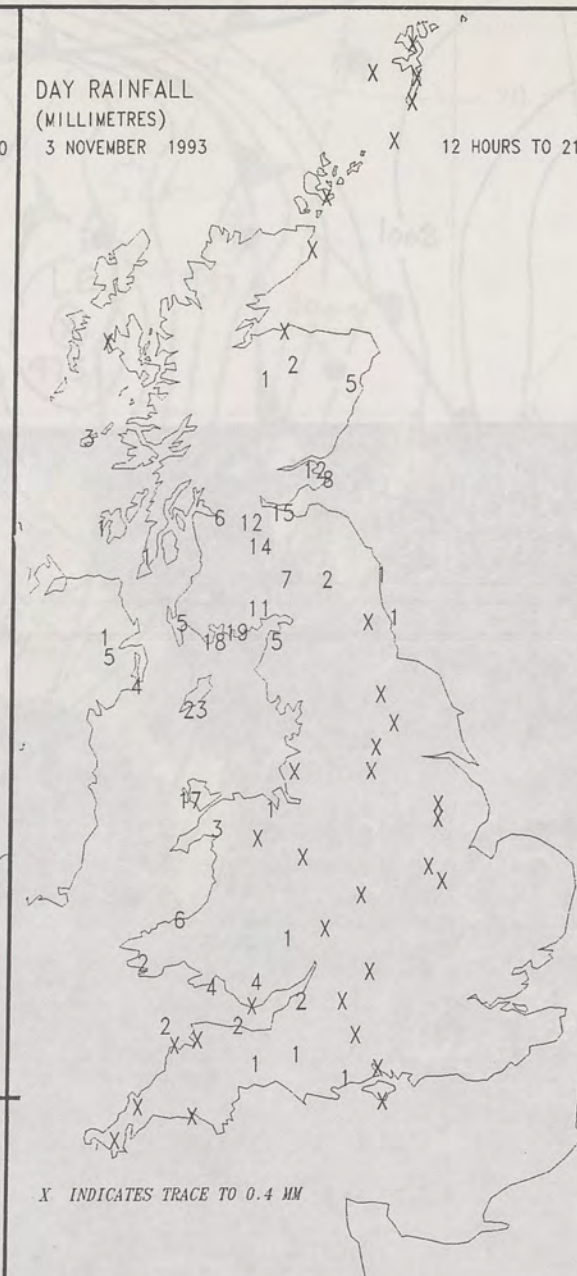
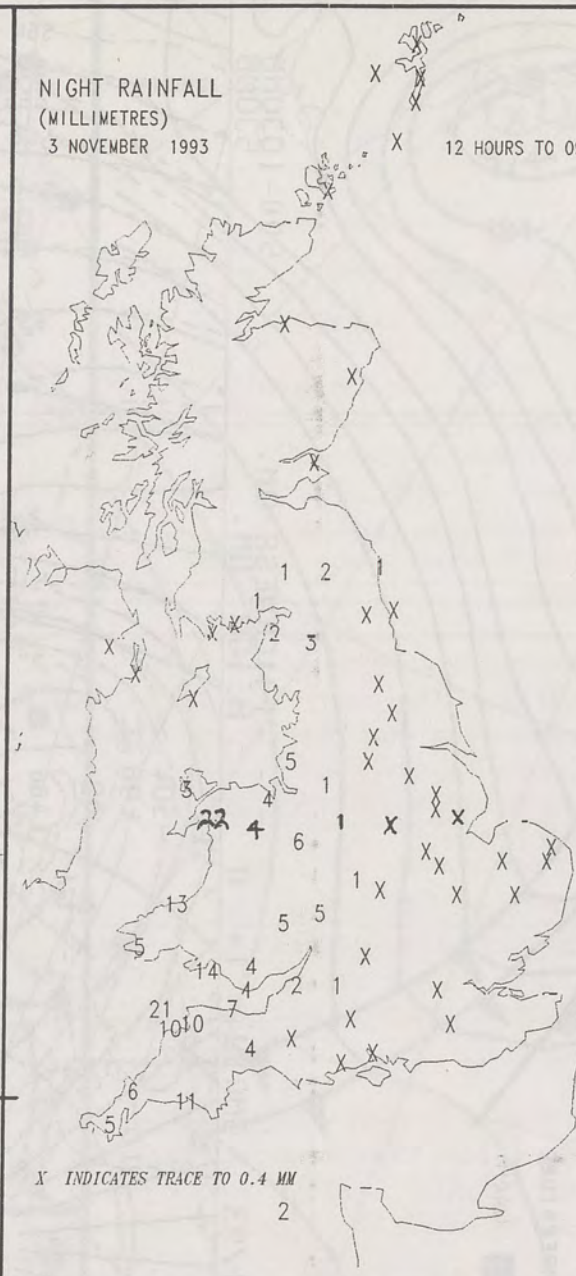
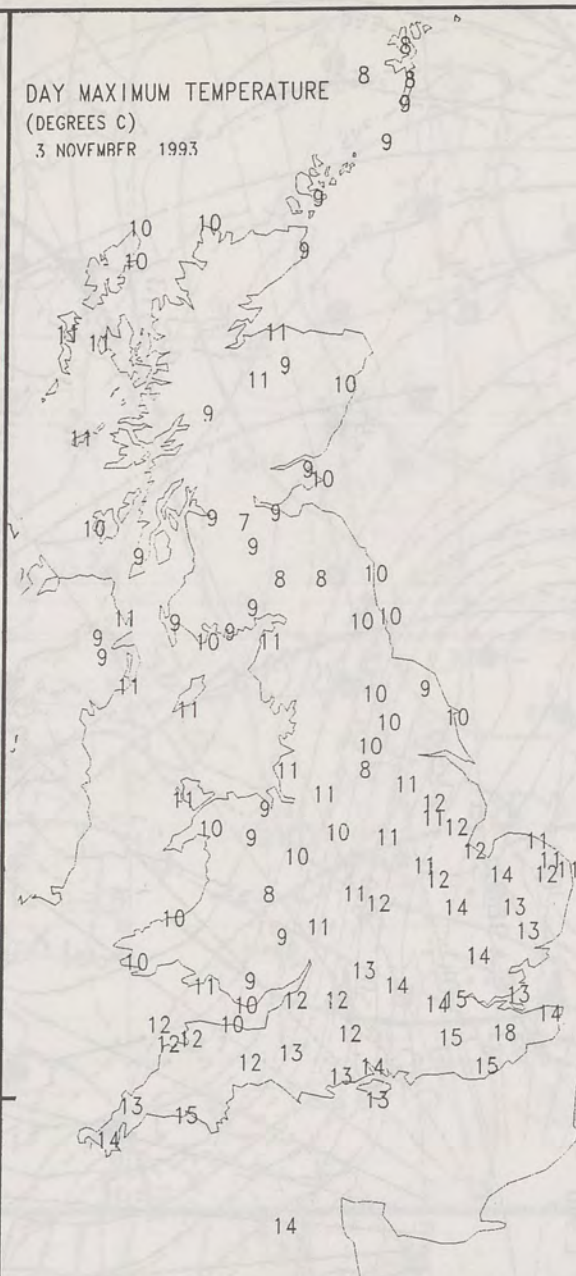
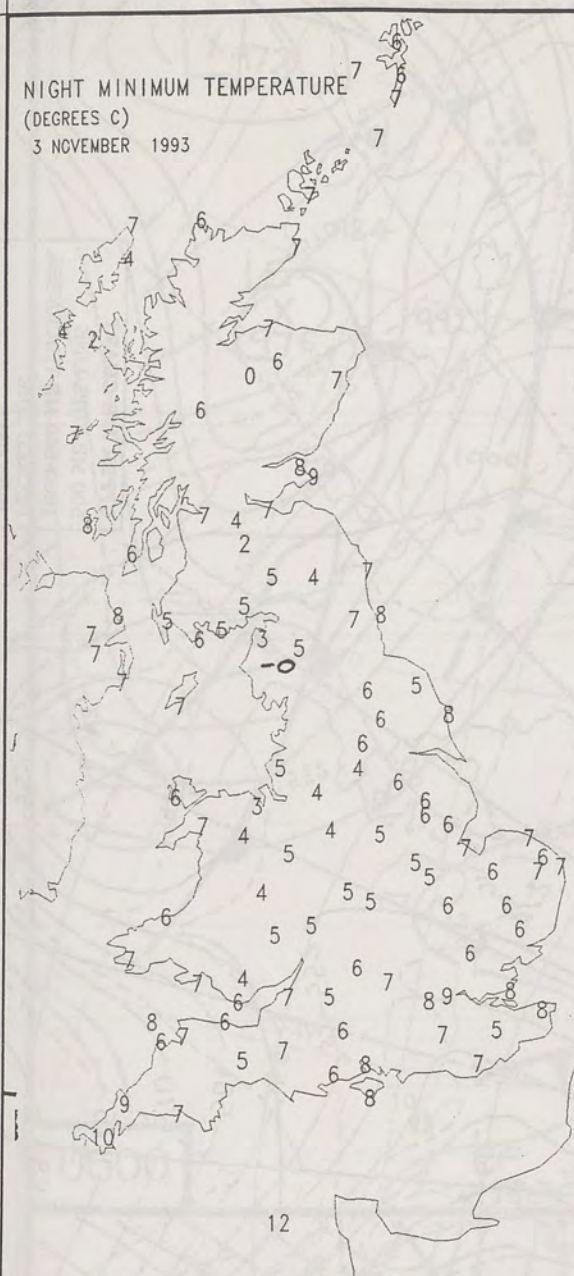
Temperatures were generally close to average, but parts of Southern England were mild or very mild.

London Weather Centre

All times are GMT

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EXTREMES FOR WEDNESDAY 3RD NOVEMBER 1993

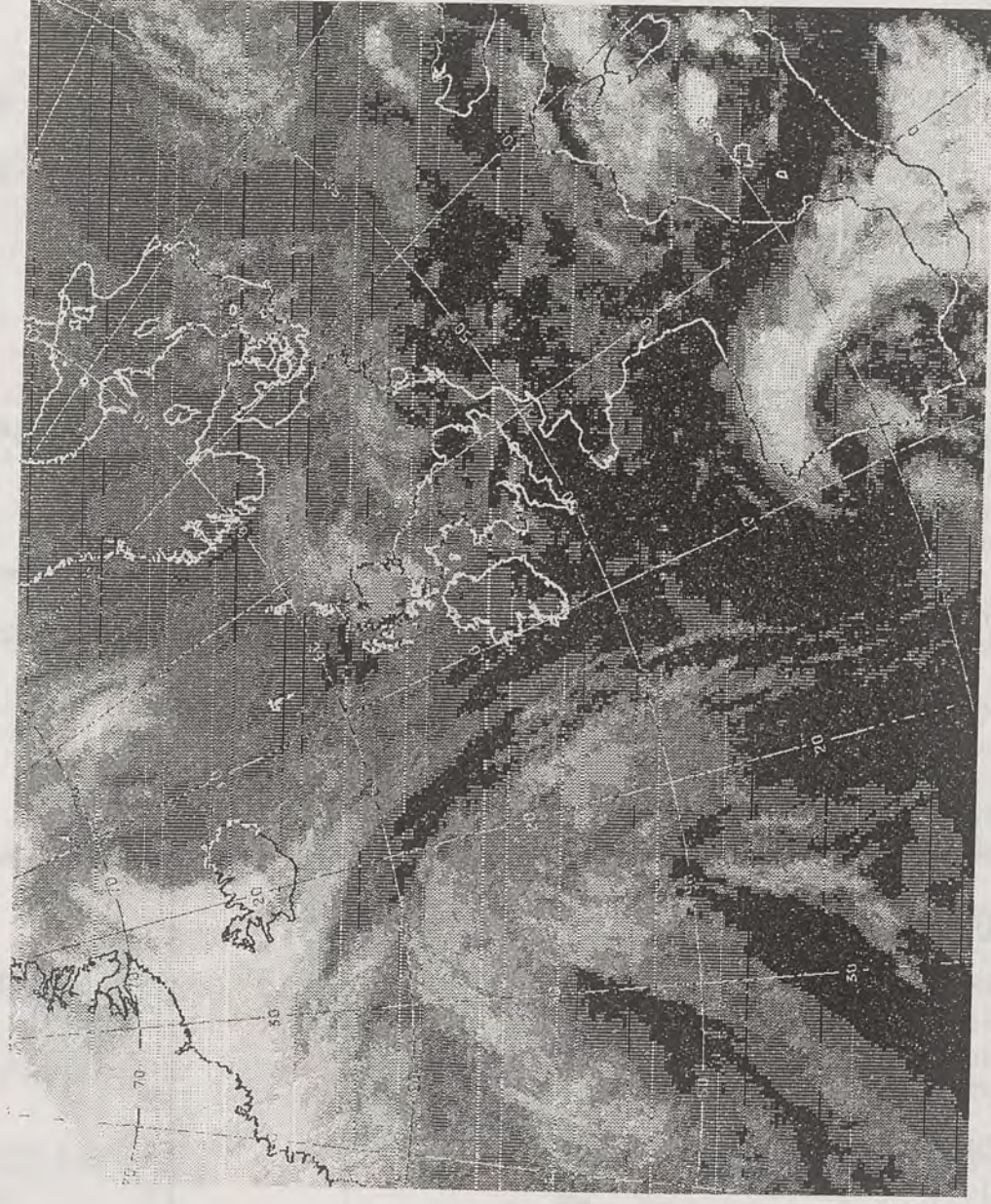
Highest Maximum	: 18.0 C Jubilee Corner [Kent]
Lowest Maximum	: 6.8 C Salsburgh [east of Glasgow]
Lowest Minimum	: -0.3 C Shap [Cumbria]
Lowest Grass Minimum	: -4.4 C Shap
Most Rain (24 hours from 0900 GMT)	: 22.6 mm Ronaldsway [Isle of Man]
Most Sun	: 7.0 Hrs Folkestone [Kent]

DAILY WEATHER SUMMARY



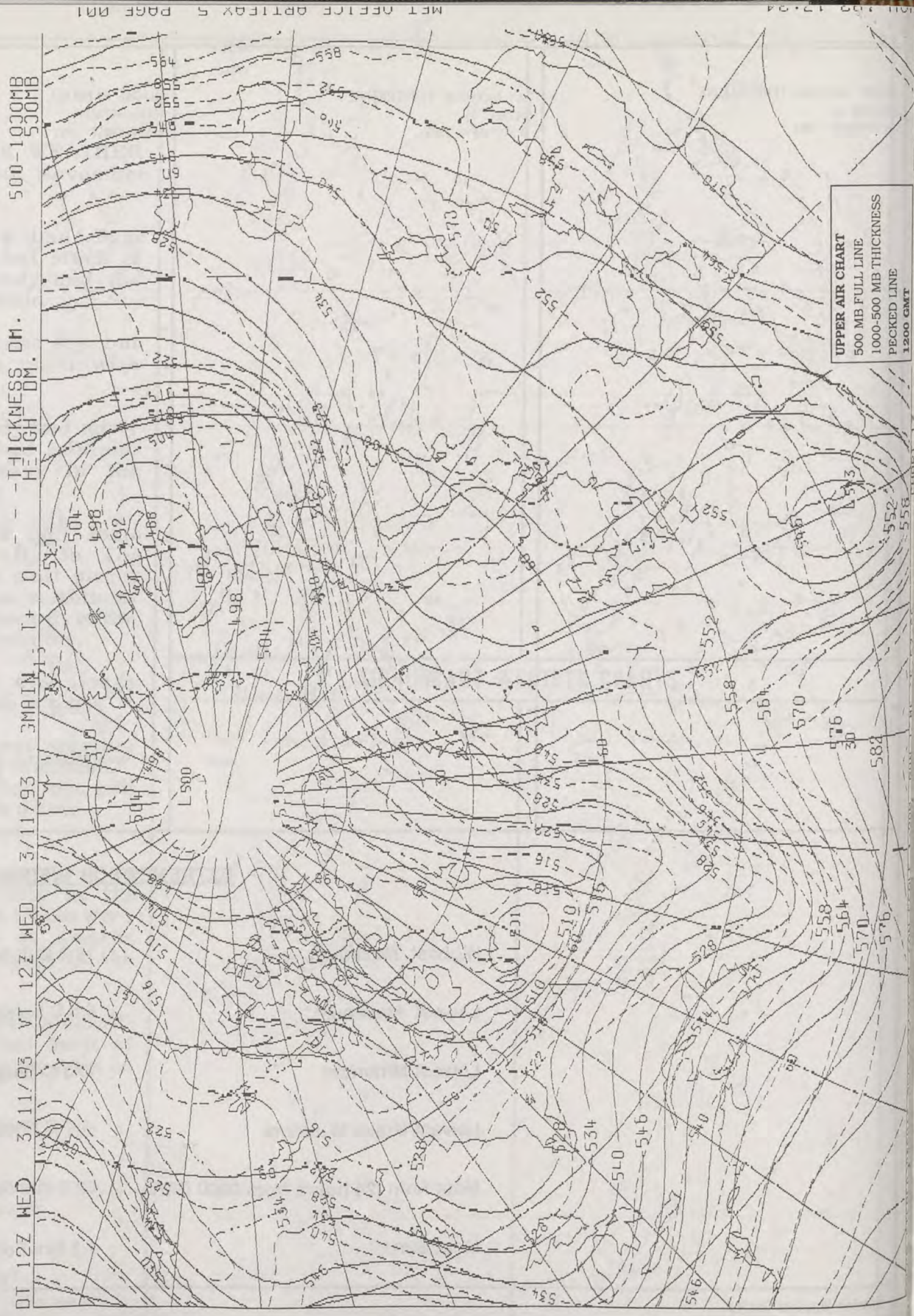
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METE05AT AT 17:30 GMT ON 03/11/93
INFRA-RED

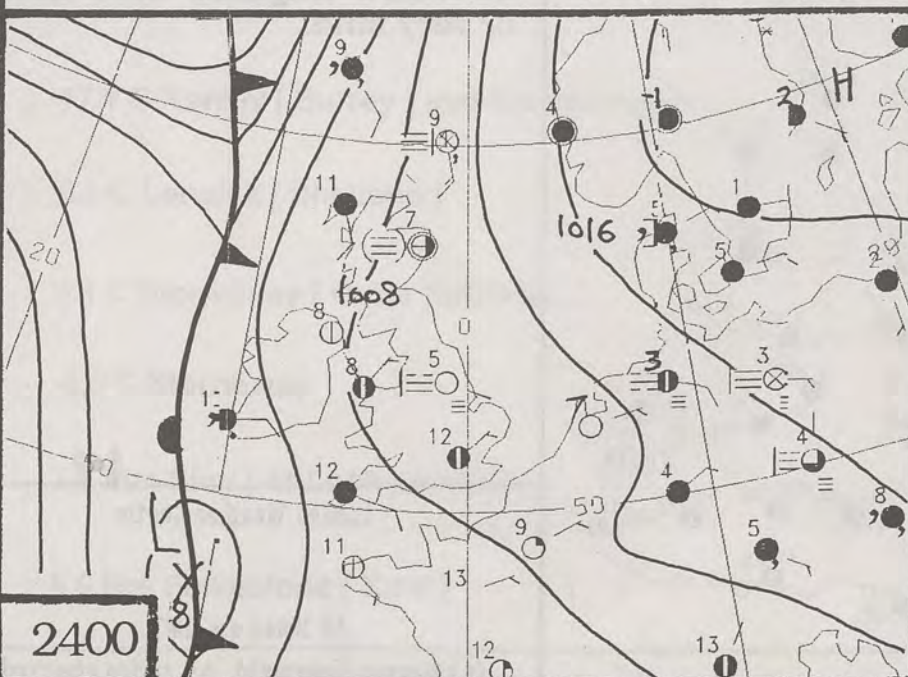
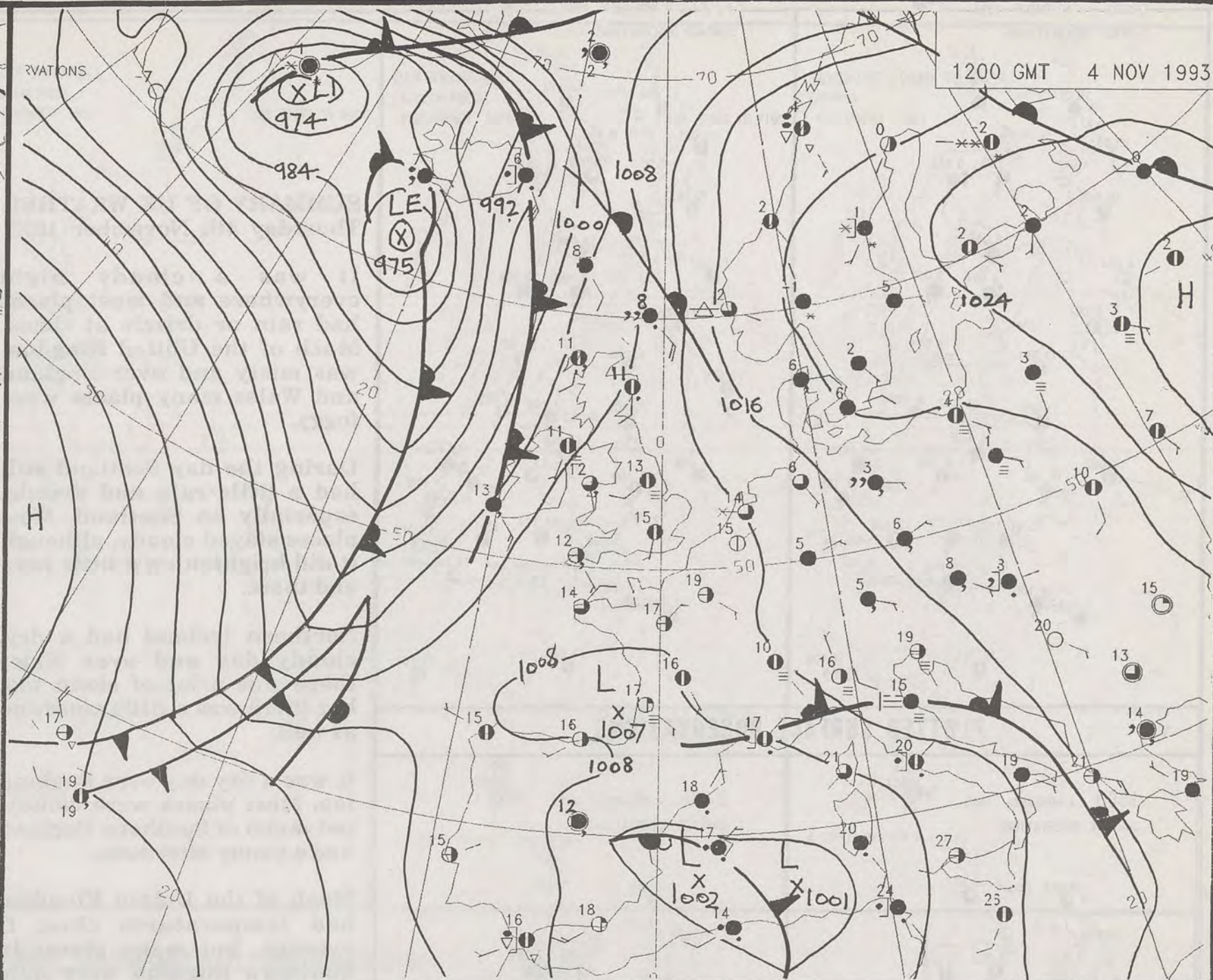
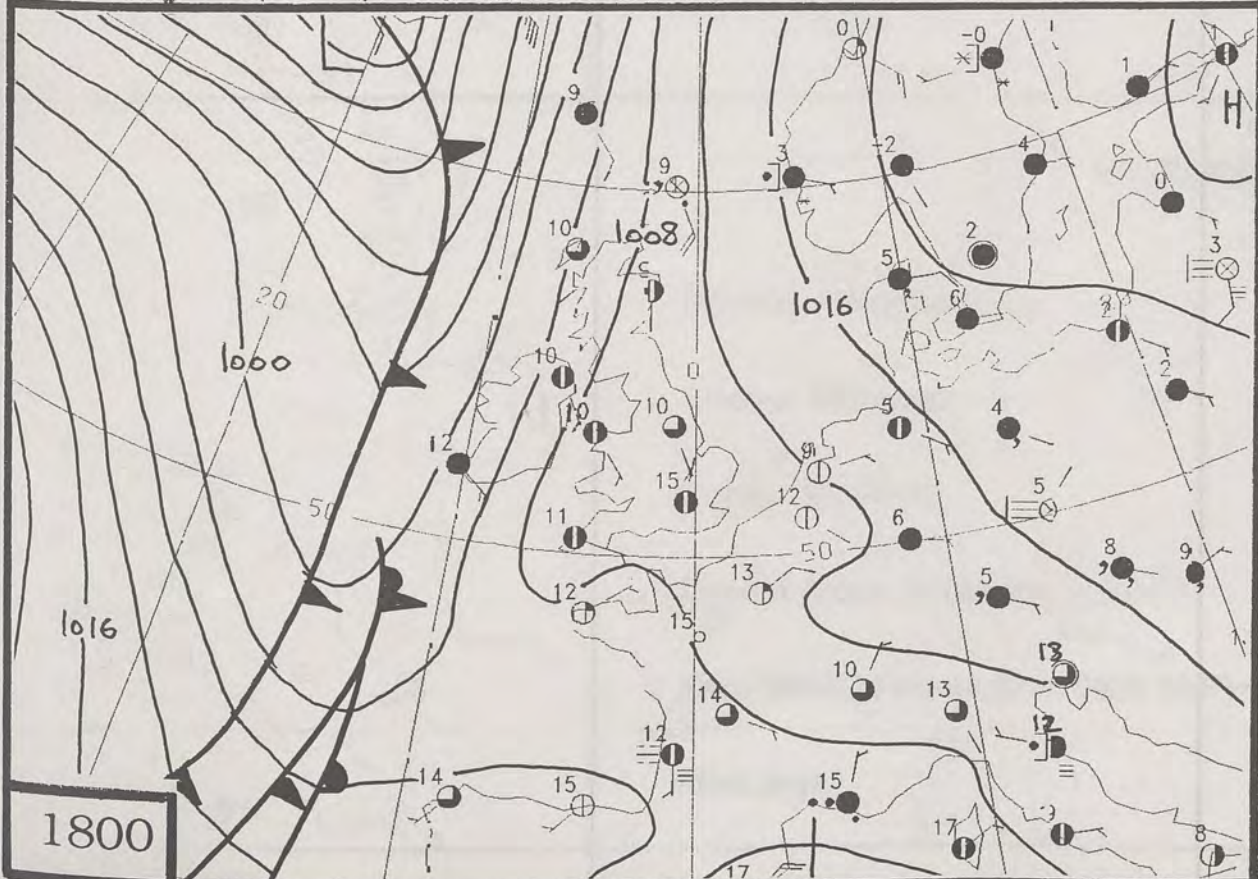
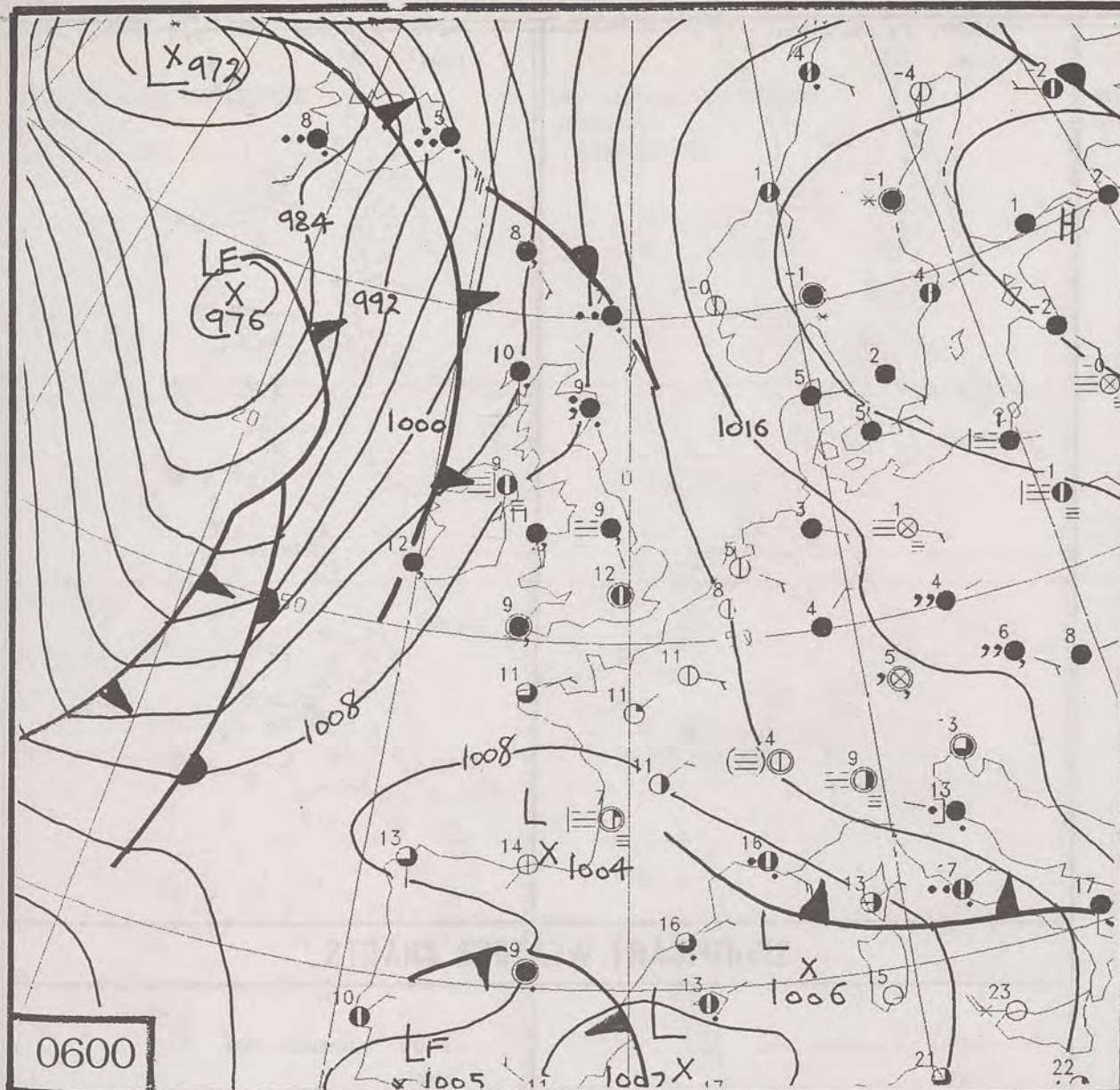


CLOUD-TOP OR LAND/SEA TEMPERATURE

COLD WARM



1000-500 MB THICKNESS
PECKED LINE
1200 GMT



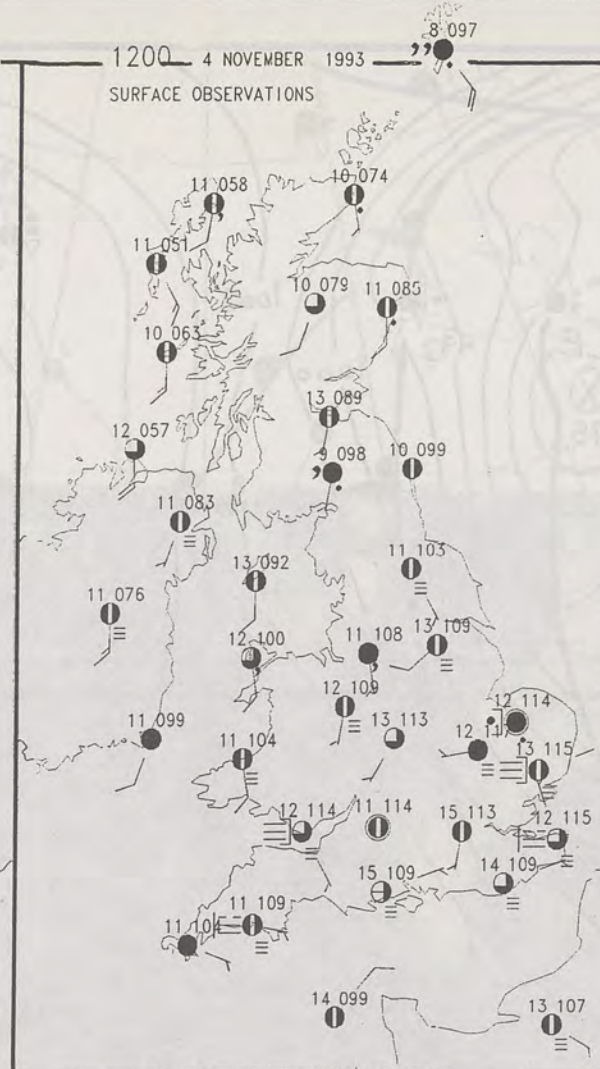
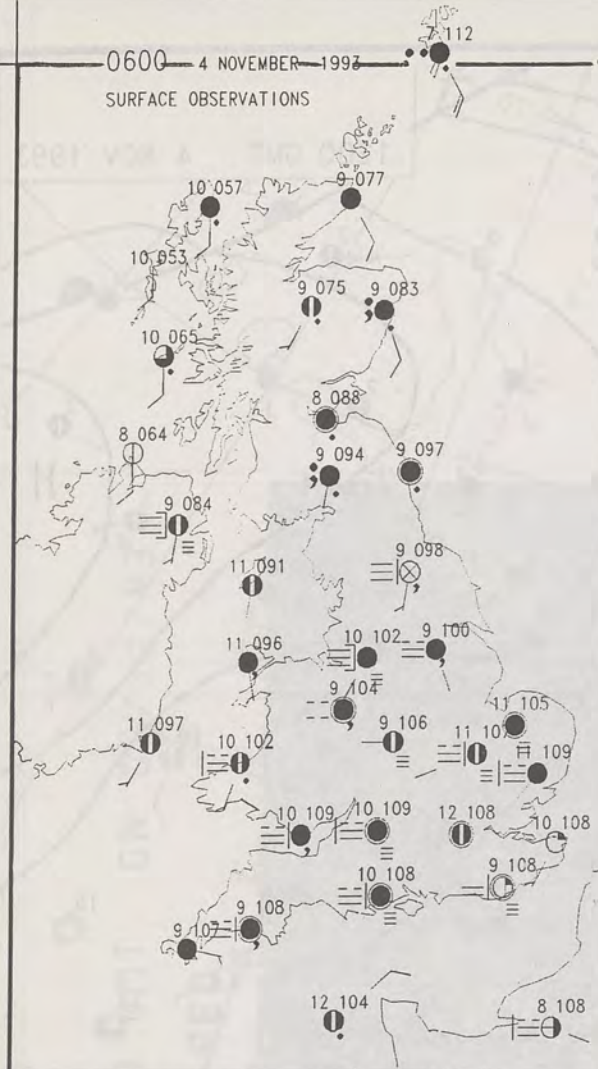
DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Thursday 4th November 1993

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB

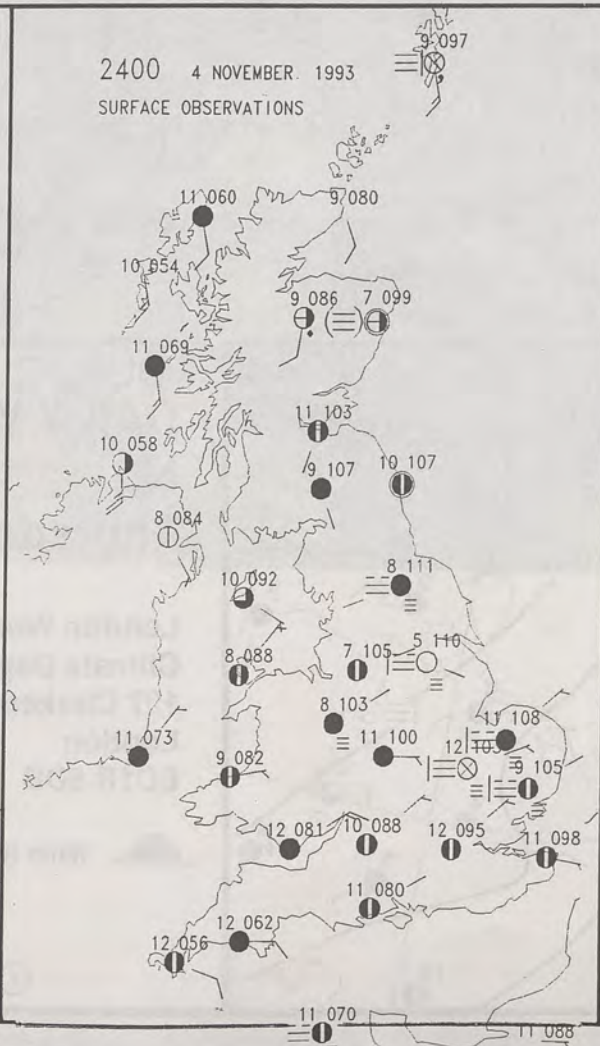
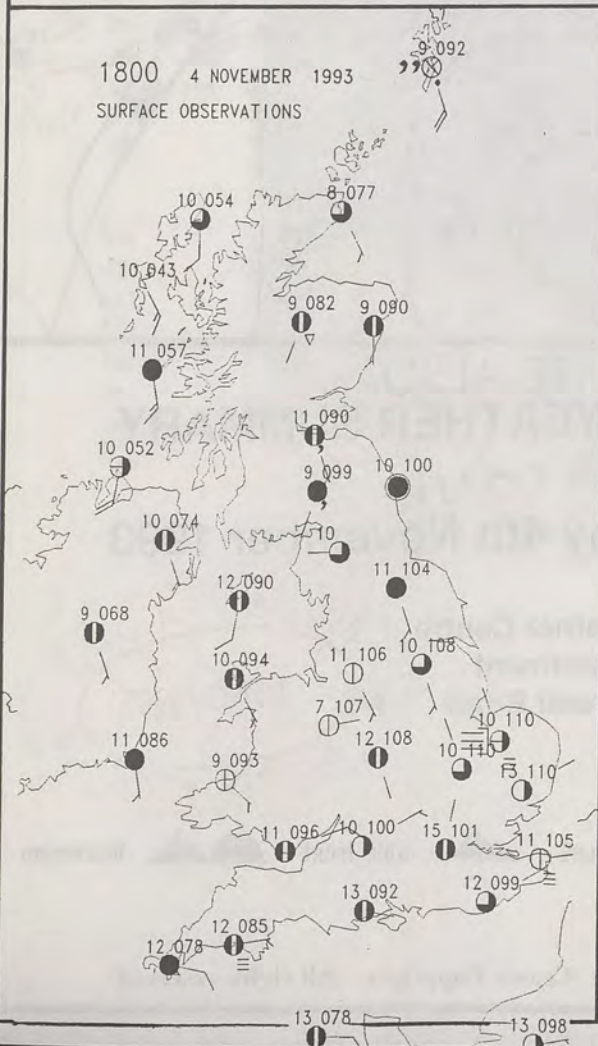


Warm front Cold front Occlusion

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PLOTTED SURFACE OBSERVATIONS



SUMMARY OF UK WEATHER
Thursday 4th November 1993

It was a cloudy night everywhere and most places had rain or drizzle at times. Much of the United Kingdom was misty and over England and Wales many places were foggy.

During the day Scotland still had a little rain and drizzle, especially on Shetland. Most places stayed cloudy, although it did brighten up a little here and there.

Northern Ireland had a dry, cloudy day and over Wales there was a lot of cloud too, but there was a little sunshine as well.

It was a dry day over England too. Most places were cloudy, but much of Southern England had a sunny afternoon.

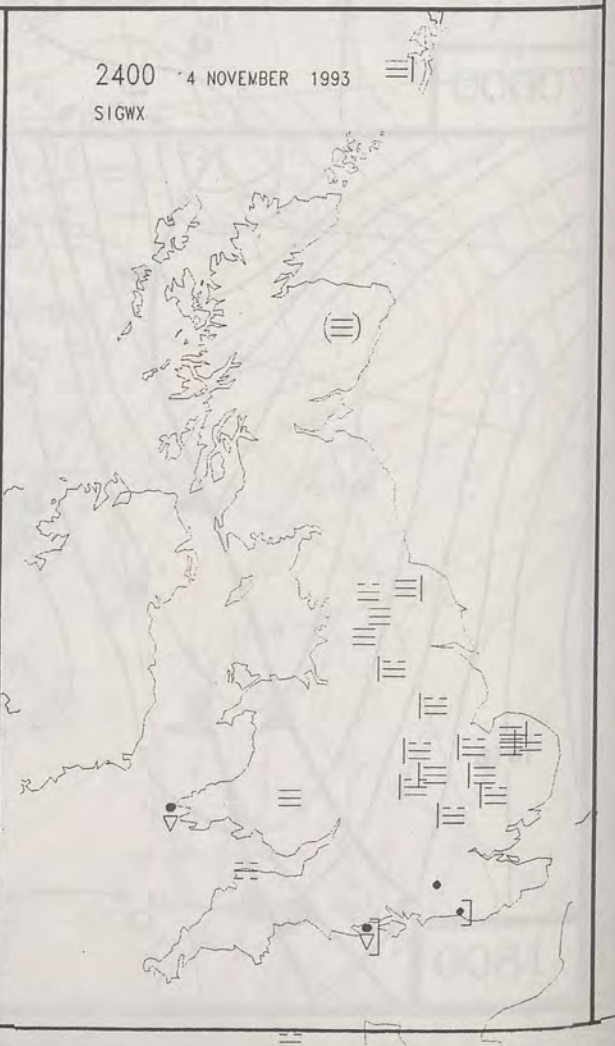
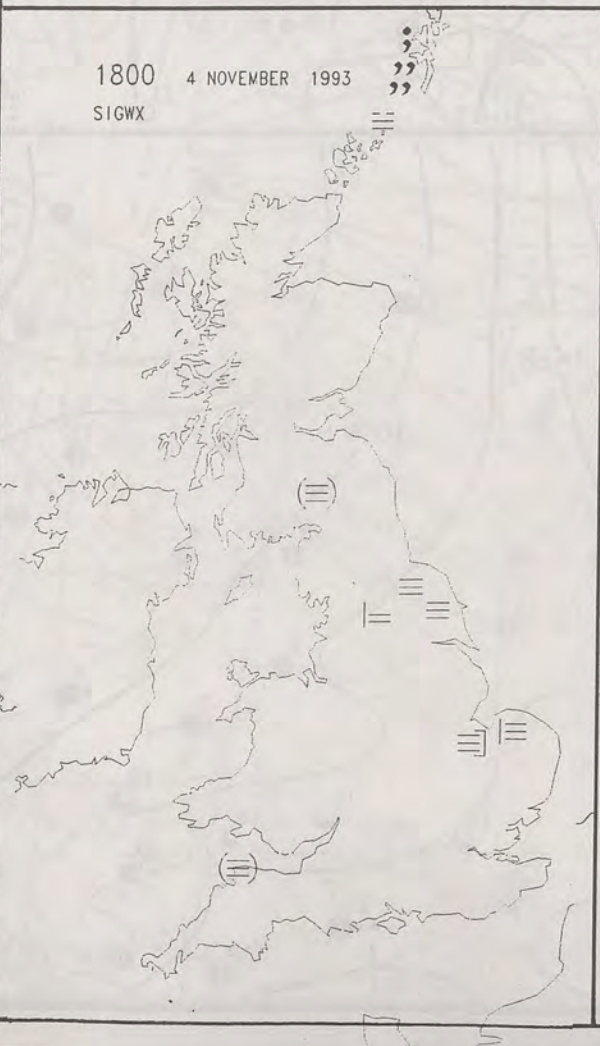
Much of the United Kingdom had temperatures close to average, but many places in Southern England were mild or very mild.

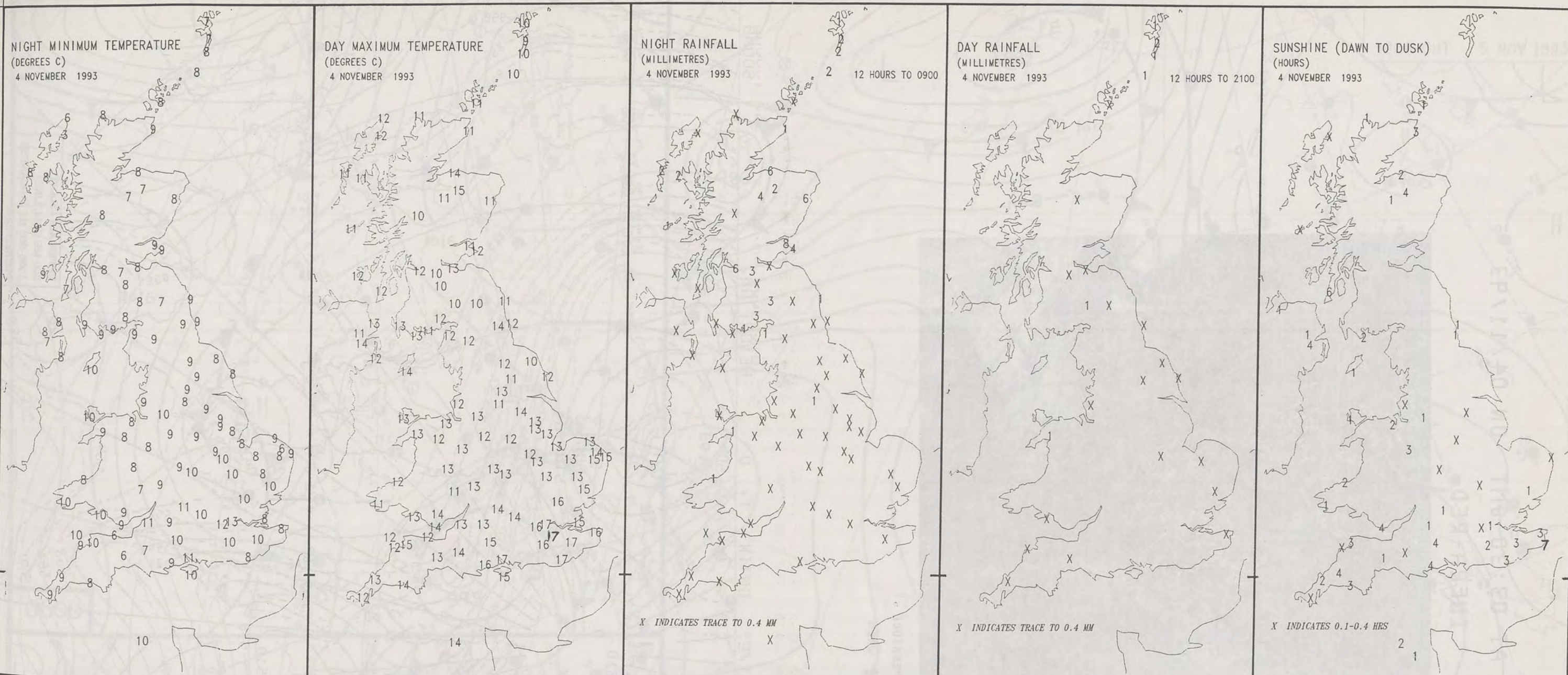
London Weather Centre

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SIGNIFICANT WEATHER CHARTS





EXTREMES FOR THURSDAY 4TH NOVEMBER 1993

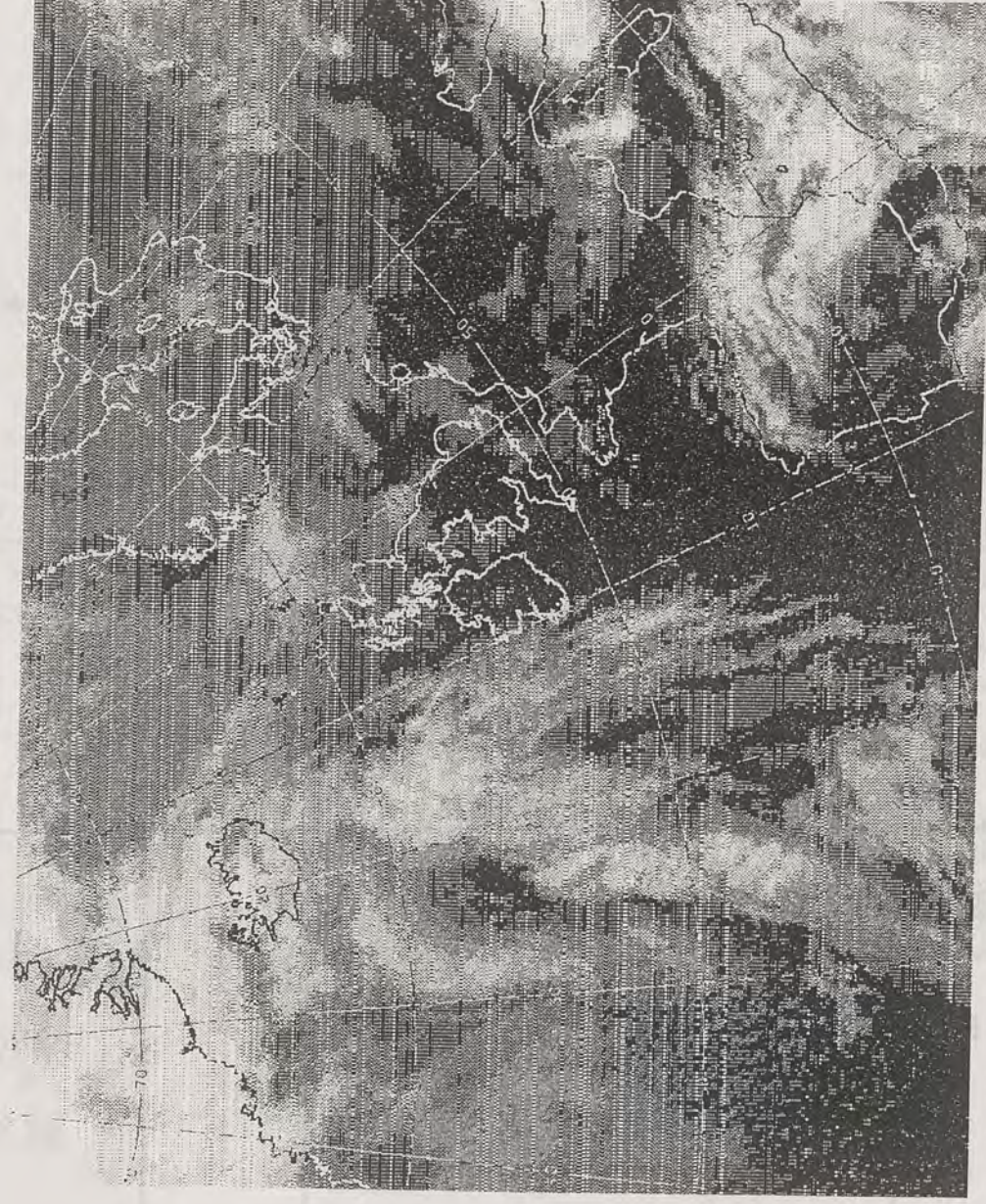
Highest Maximum	: 17.1 C Kenley [Surrey] and Southampton
Lowest Maximum	: 9.1 C Lerwick [Shetland]
Lowest Minimum	: 3.1 C Stornoway [Outer Hebrides]
Lowest Grass Minimum	: -1.0 C Stornoway
Most Rain (24 hours from 0900 GMT)	: 7.1 mm Sloy [nr Loch Lomond]
Most Sun	: 6.6 Hrs Folkestone [Kent]

DAILY WEATHER SUMMARY

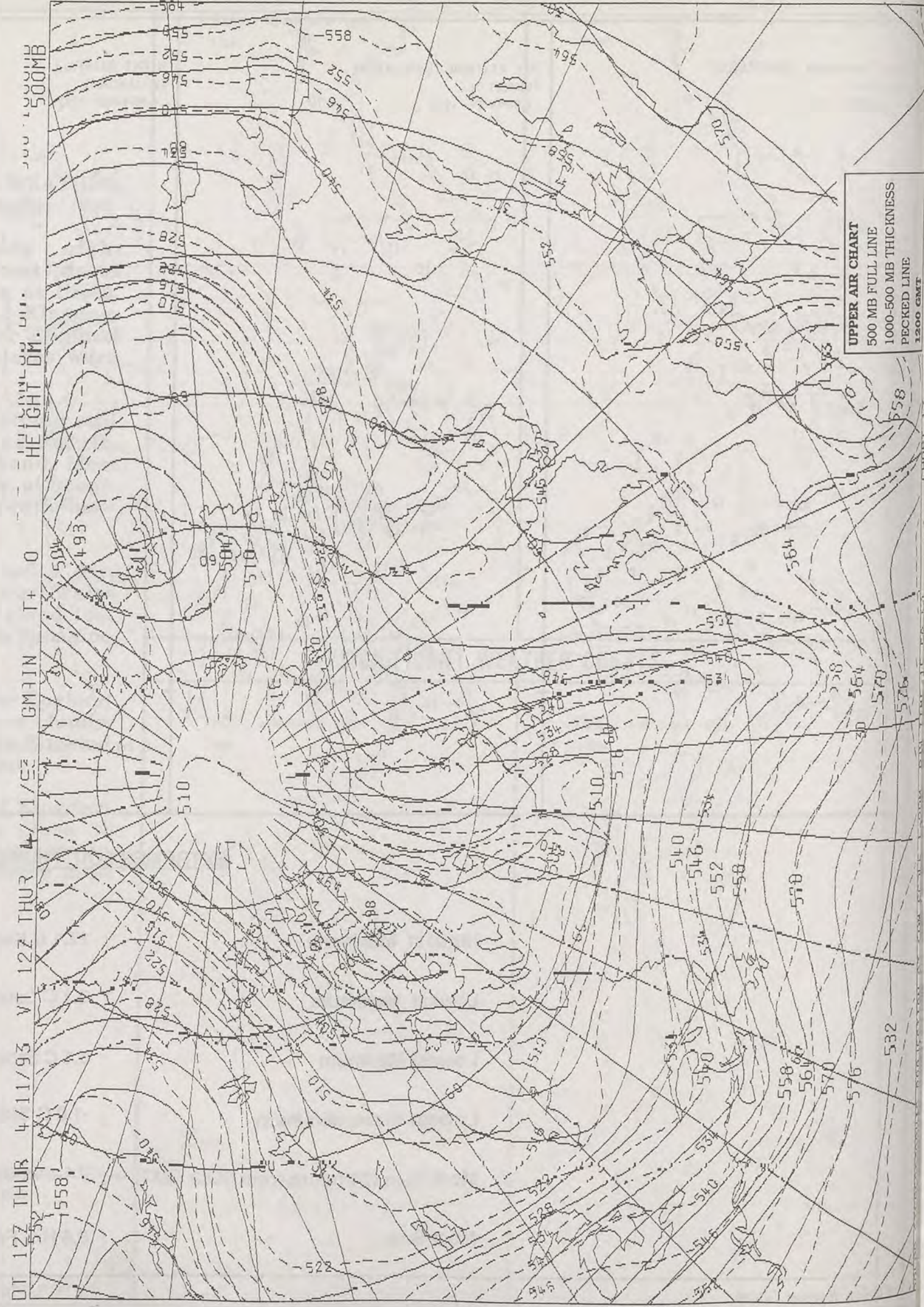


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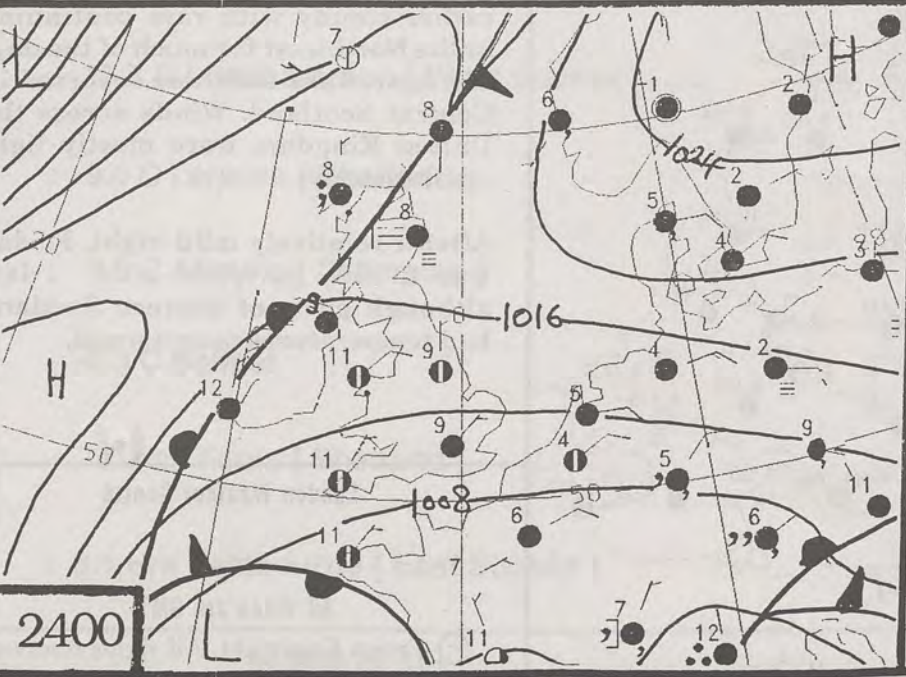
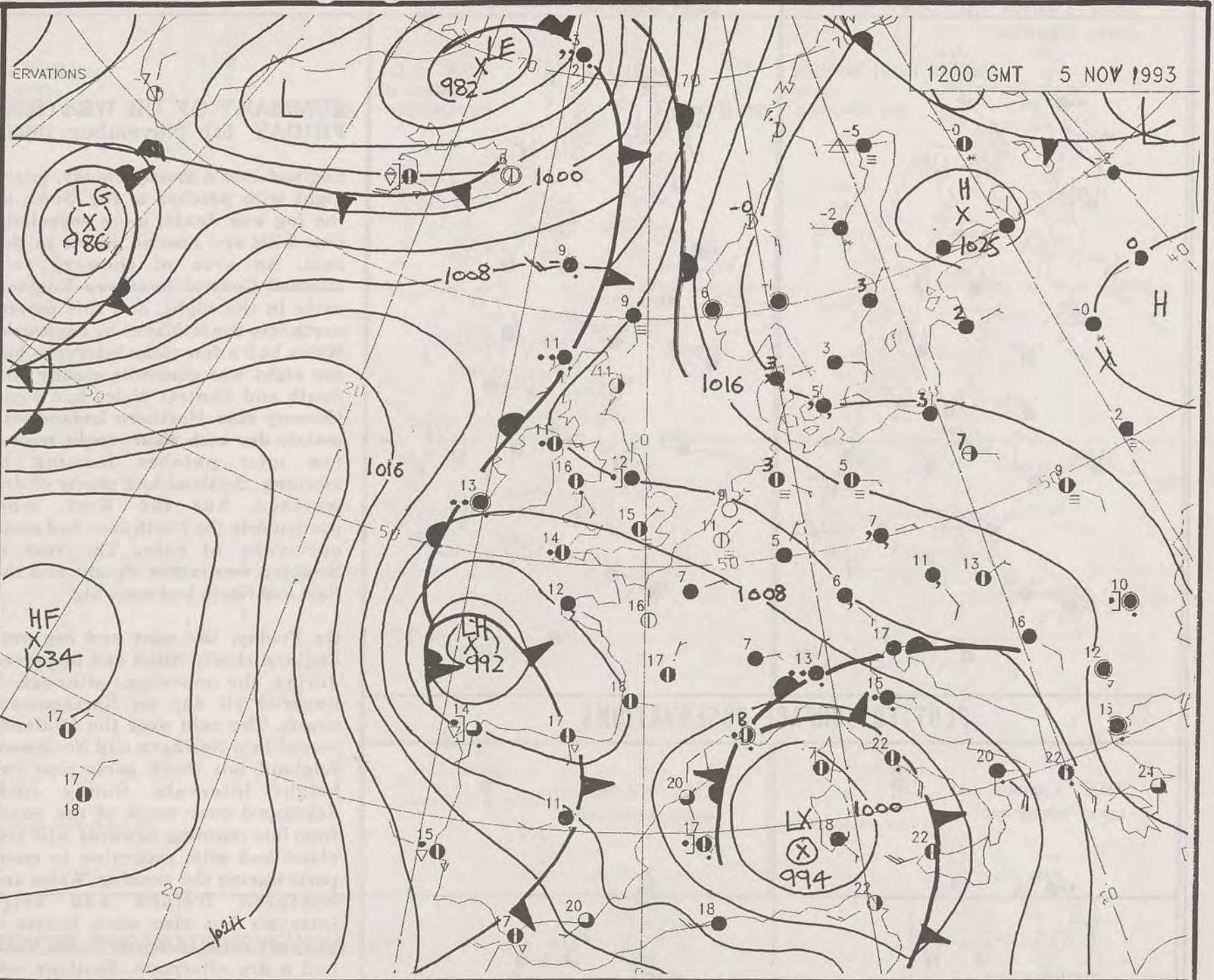
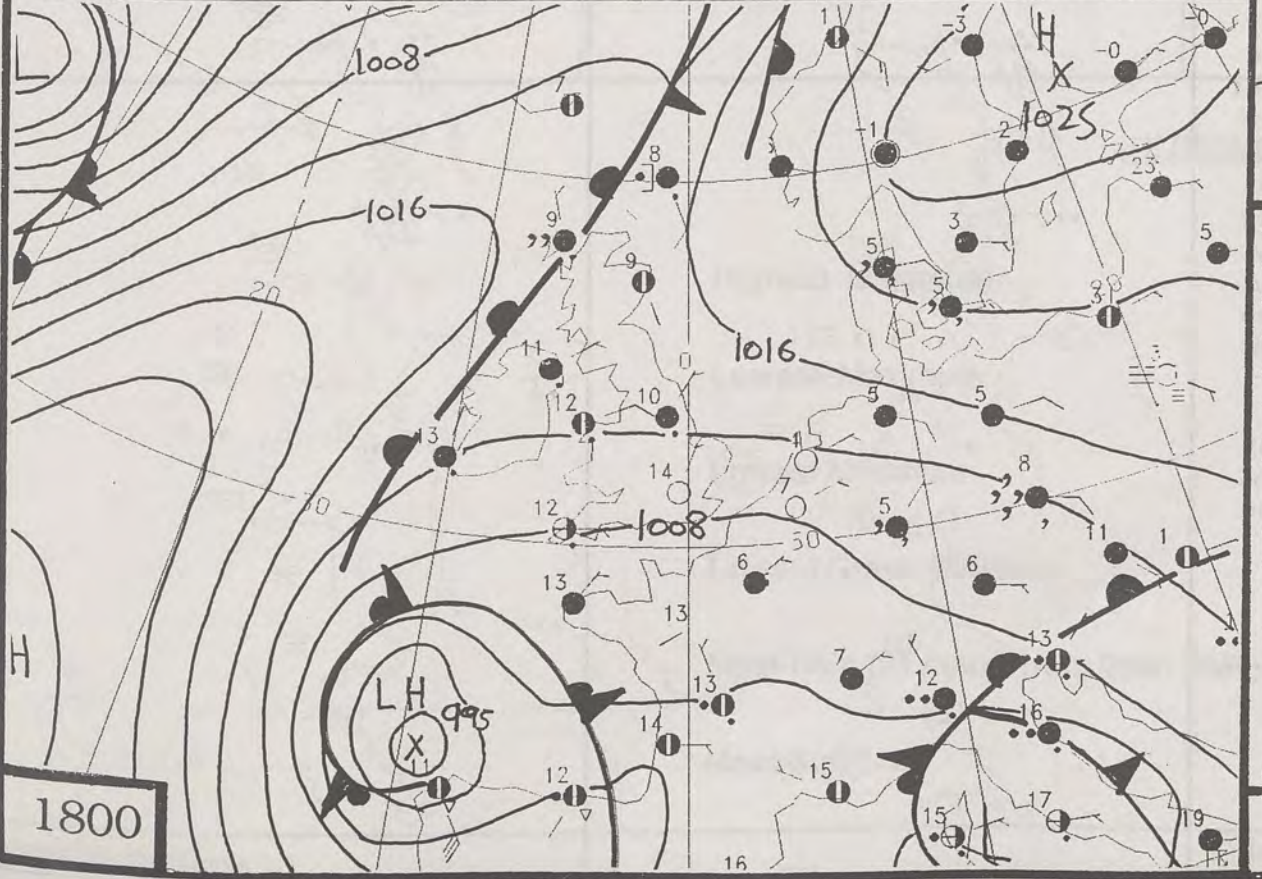
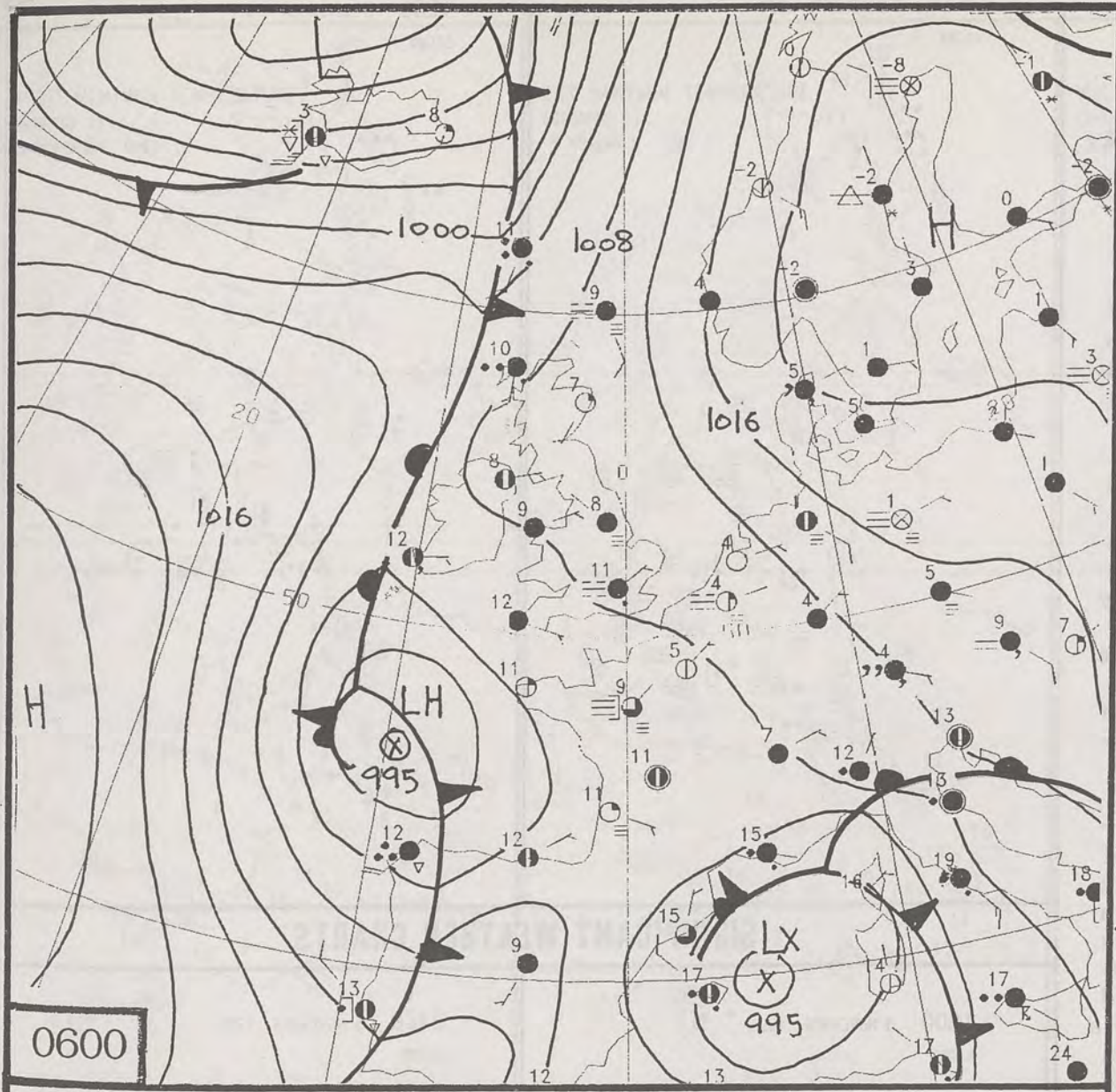
METEOSAT AT 03:30 GMT ON 04/11/93
 INFRA-RED



CLOUD-TOP OR LAND/SEA TEMPERATURE
 COLD WARM



1000-500 MB THICKNESS
PECKED LINE
1200 GMT



DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN

Friday 5th November 1993

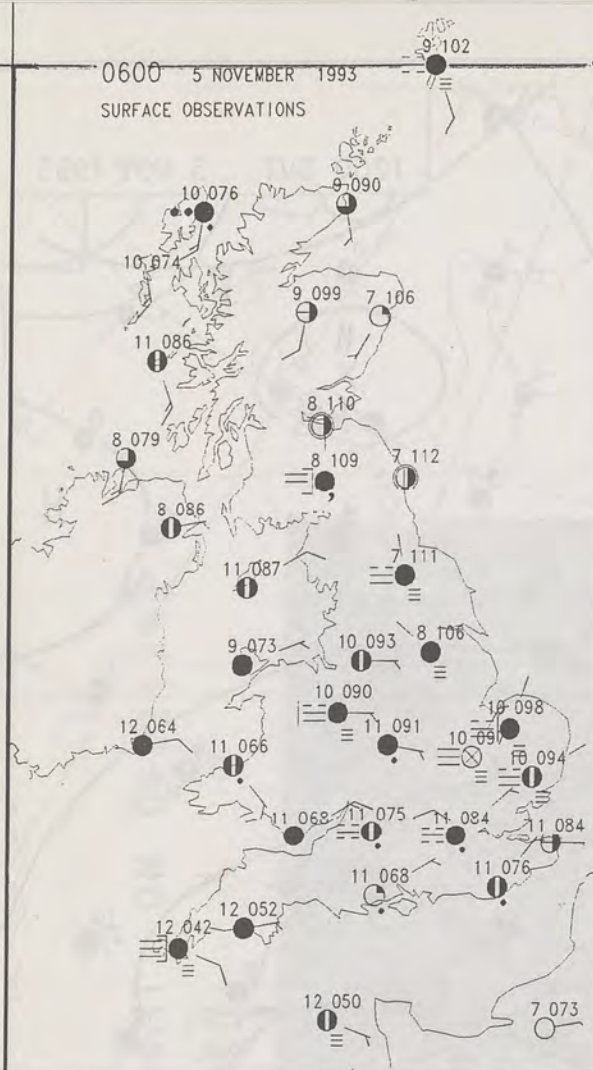
London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB



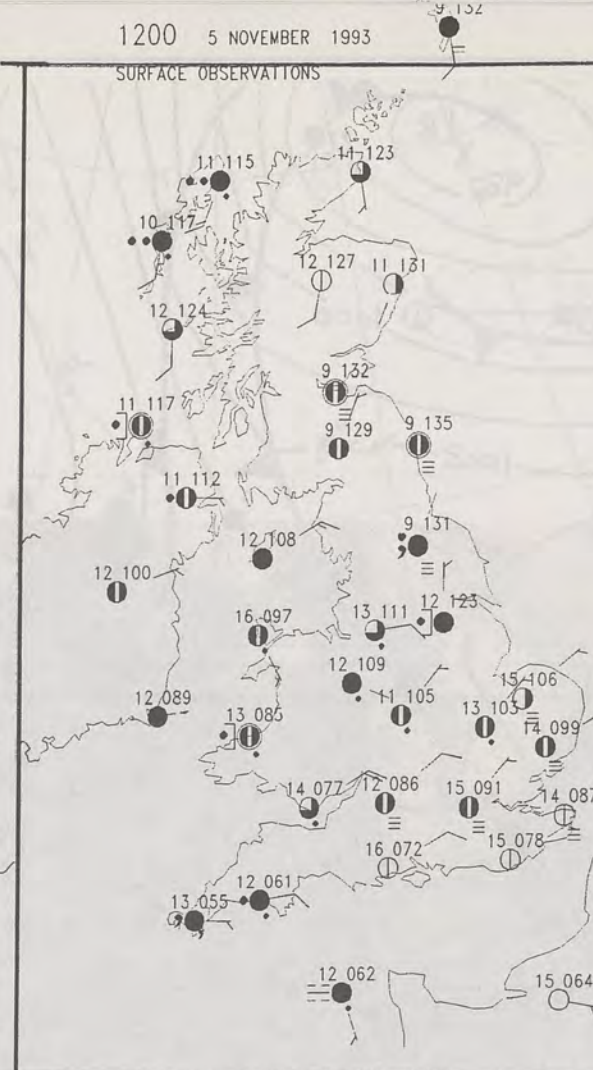
Warm front Cold front Occlusion

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0600 5 NOVEMBER 1993
SURFACE OBSERVATIONS



1200 5 NOVEMBER 1993
SURFACE OBSERVATIONS

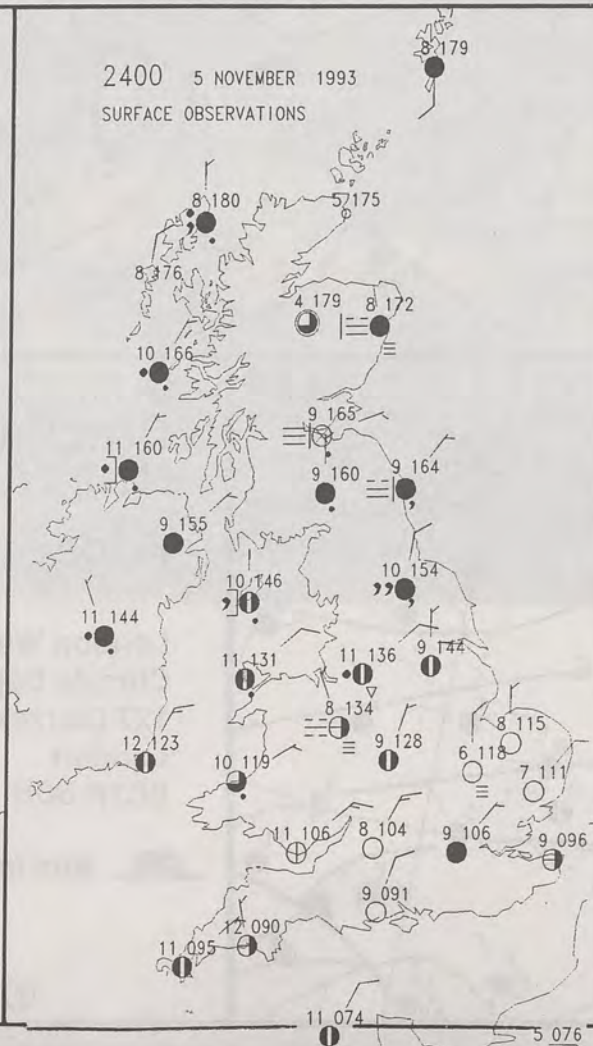


PLOTTED SURFACE OBSERVATIONS

1800 5 NOVEMBER 1993
SURFACE OBSERVATIONS



2400 5 NOVEMBER 1993
SURFACE OBSERVATIONS



SUMMARY OF UK WEATHER FRIDAY 5th November 1993

England had a mostly cloudy, misty night with patches of fog. Some of the fog was dense, more especially over hills and around coasts in the east. An area of showery rain affected Central Southern England early in the night, and this moved north into the Midlands by daybreak. Wales had a few clear intervals, but the night was generally cloudy and South and Central Wales had some showery rain. Northern Ireland was mainly dry with clear spells with a few mist patches forming by morning. Scotland had plenty of dry weather, but the West, more particularly the Northwest, had some outbreaks of rain. The rest of Scotland was rather cloudy, and the East and North had some fog.

On Friday, the mist and fog over England slowly lifted and dispersed during the morning, although it lingered all day on Northeastern coasts. The rain over the Midlands moved into Northern and Northwest England but these parts also had bright intervals. Sunny spells developed over much of the South from late morning onwards with low cloud and mist returning to many parts during the evening. Wales and Northern Ireland had bright intervals but also some bursts of showery rain, although South Wales had a dry afternoon. Scotland was rather cloudy with rain continuing in the Northwest for much of the day. The best of the sunshine occurred in Central Scotland. Winds across the United Kingdom were mostly light northeasterly.

After a relatively mild night, Friday was a mild or very mild day, although parts of Eastern Scotland had temperatures near normal.

London Weather Centre

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0600 5 NOVEMBER 1993
SIGWX



1200 5 NOVEMBER 1993
SIGWX



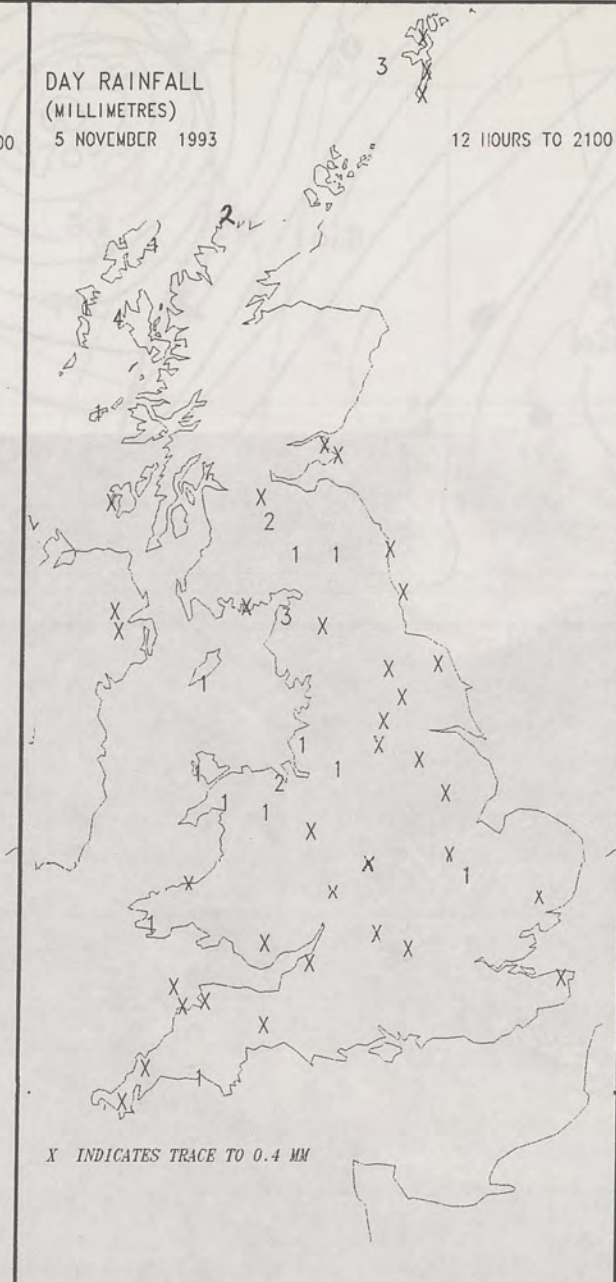
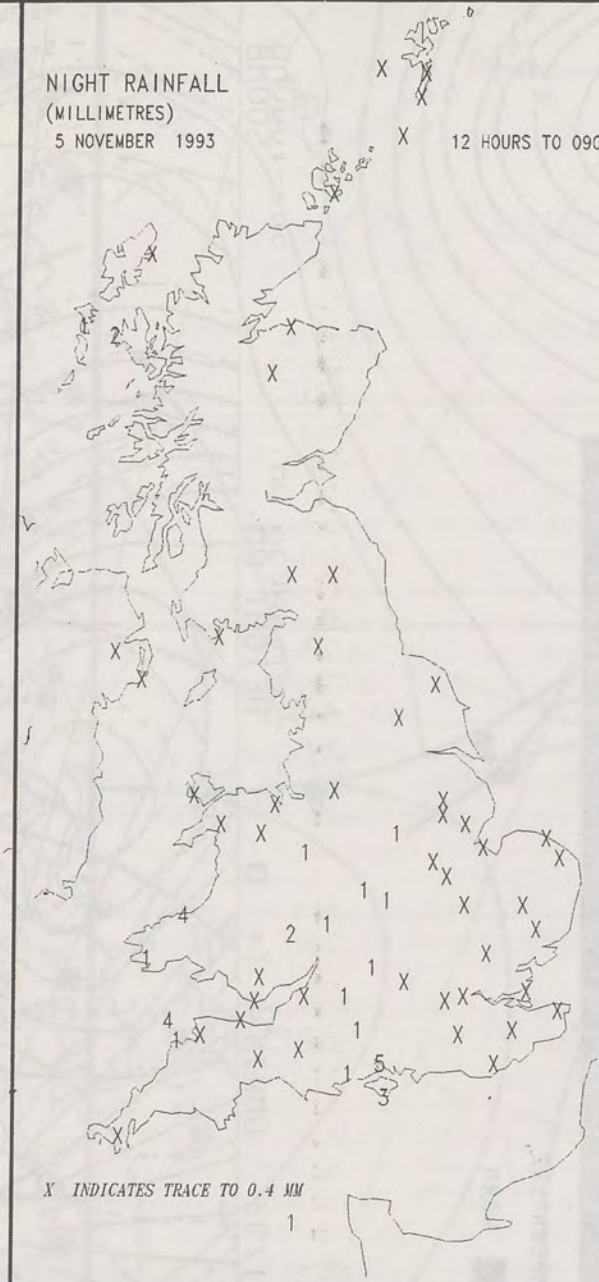
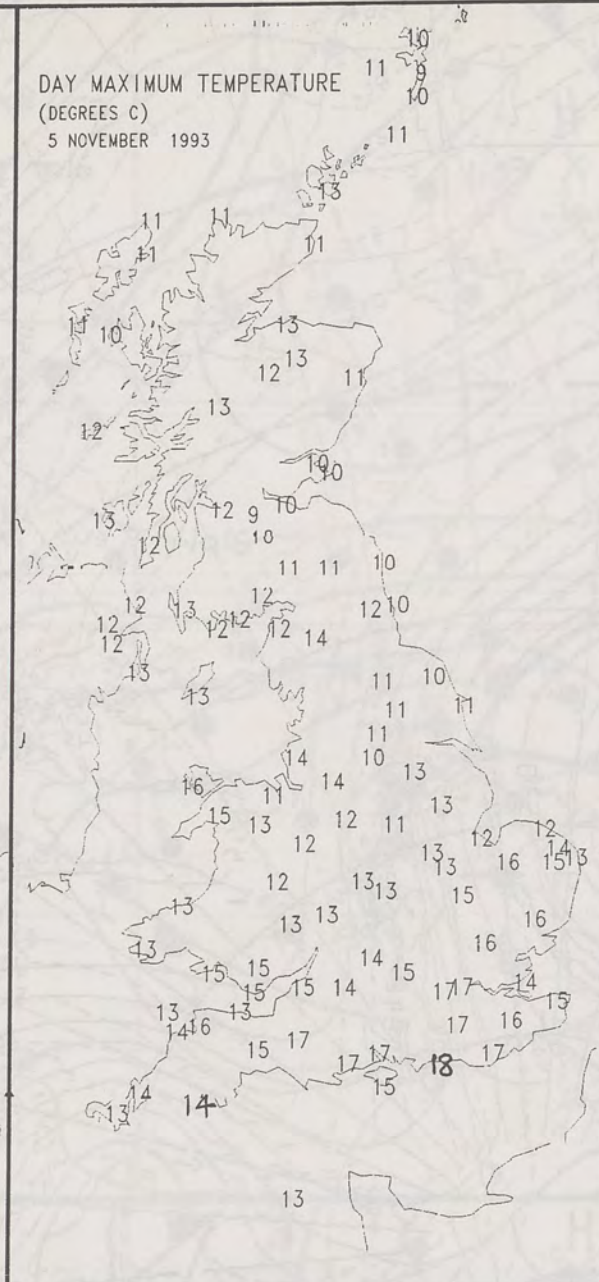
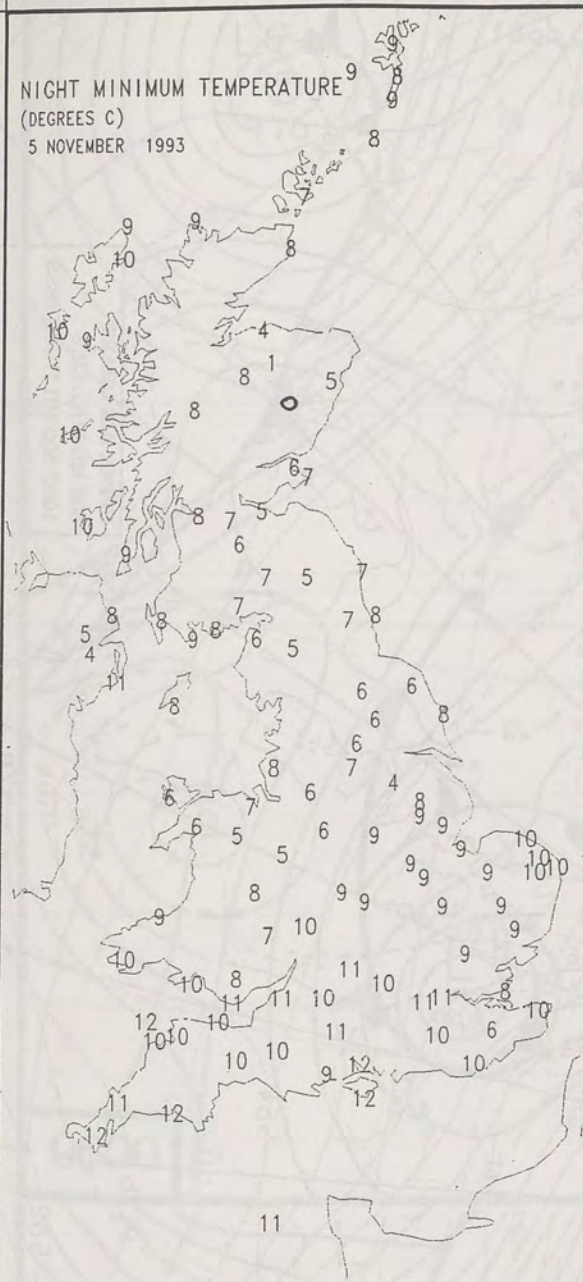
SIGNIFICANT WEATHER CHARTS

1800 5 NOVEMBER 1993
SIGWX



2400 5 NOVEMBER 1993
SIGWX





EXTREMES FOR FRIDAY 5TH NOVEMBER 1993

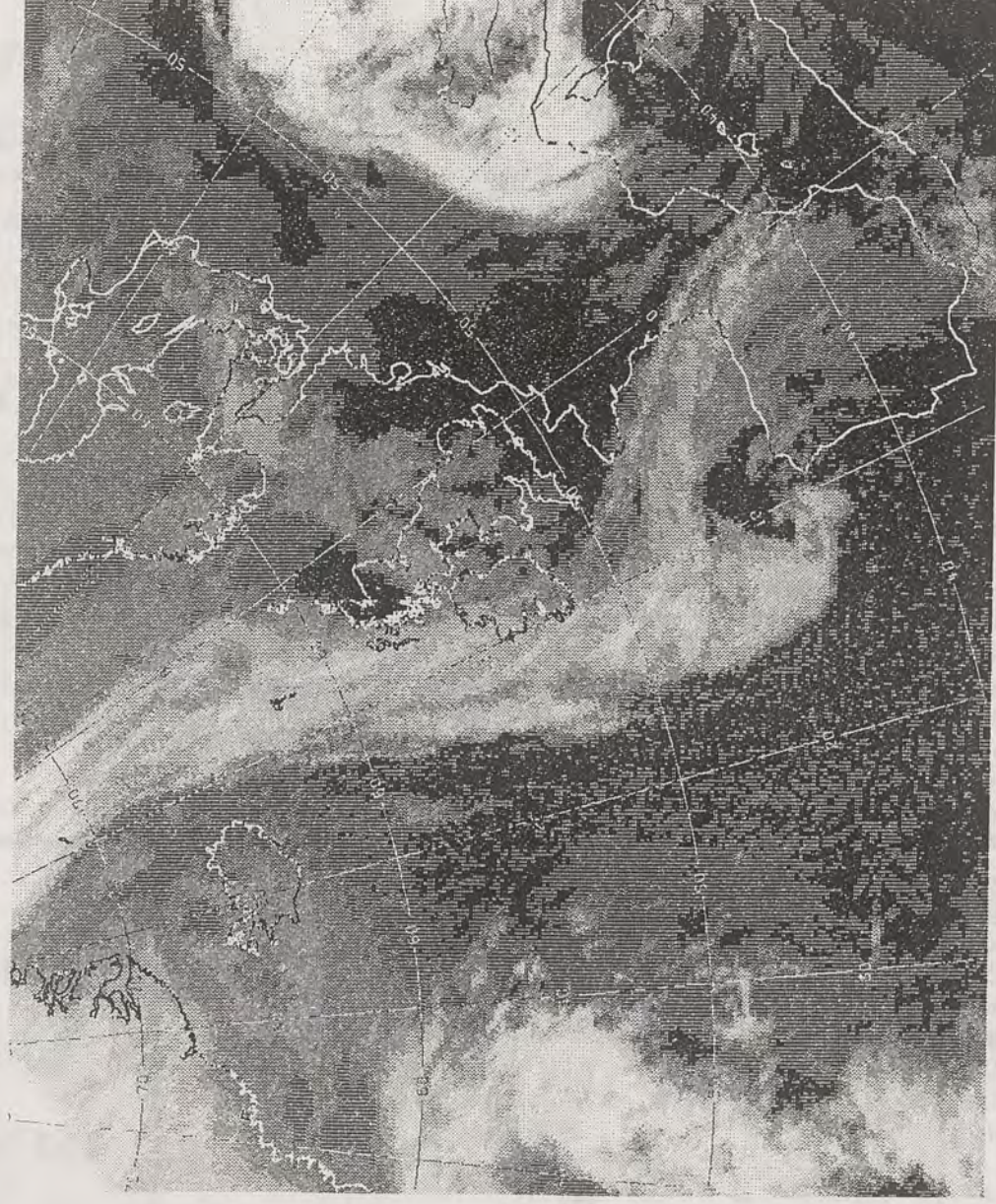
Highest Maximum	: 17.7 C Littlehampton [West Sussex]
Lowest Maximum	: 9.0 C Lerwick [Shetland]
Lowest Minimum	: 0.0 C Aboyne [Grampian]
Lowest Grass Minimum	: -2.3 C Belfast
Most Rain (24 hours from 0900 GMT)	: 7.0 mm Foula [Shetland]
Most Sun	: 8.1 Hrs Eastbourne [East Sussex]

DAILY WEATHER SUMMARY

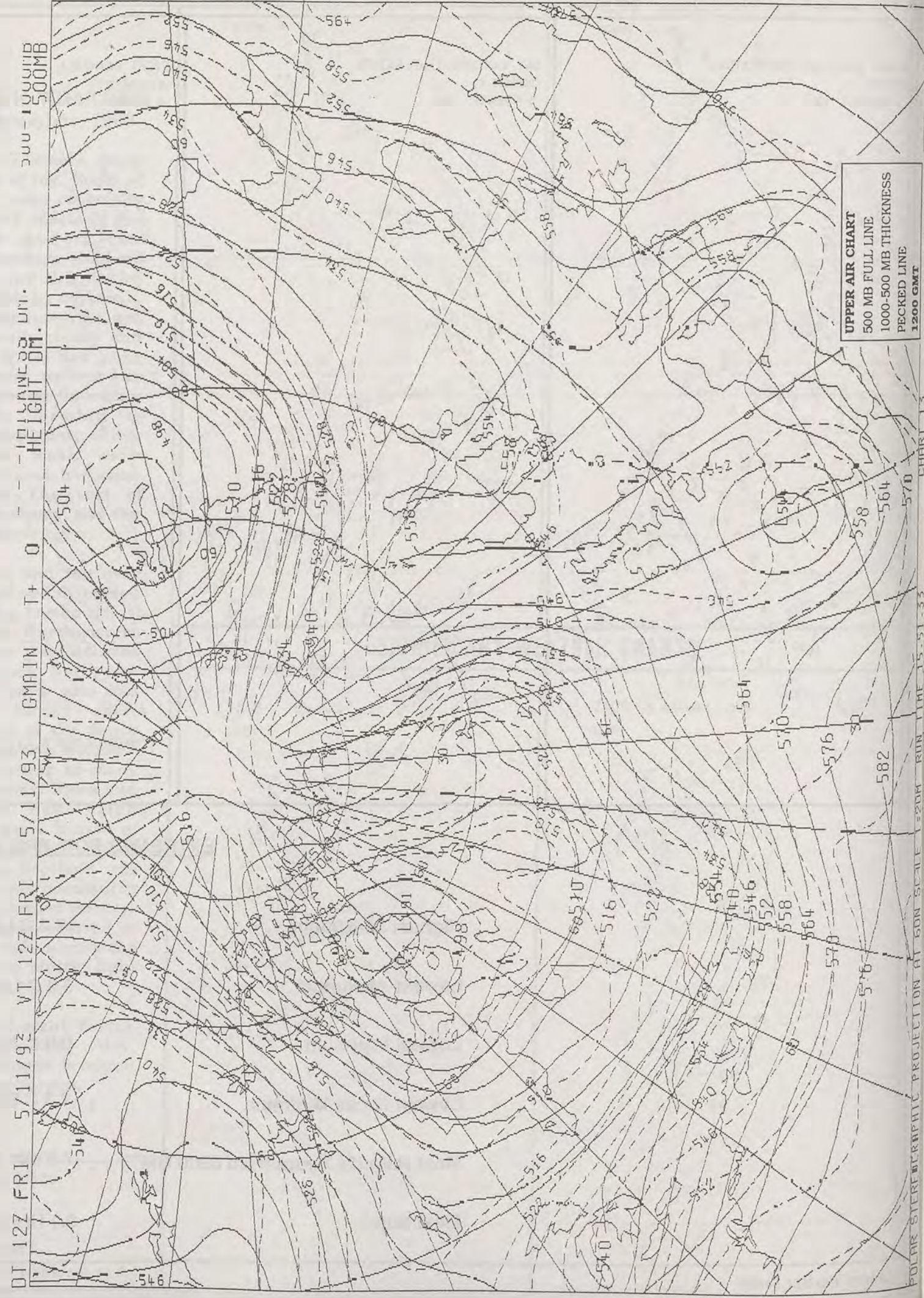


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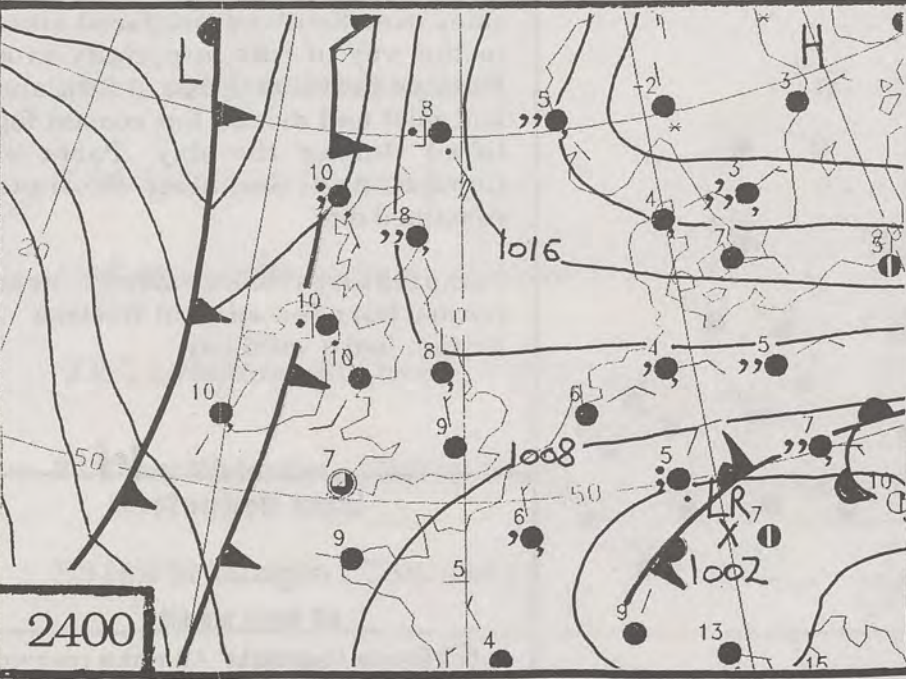
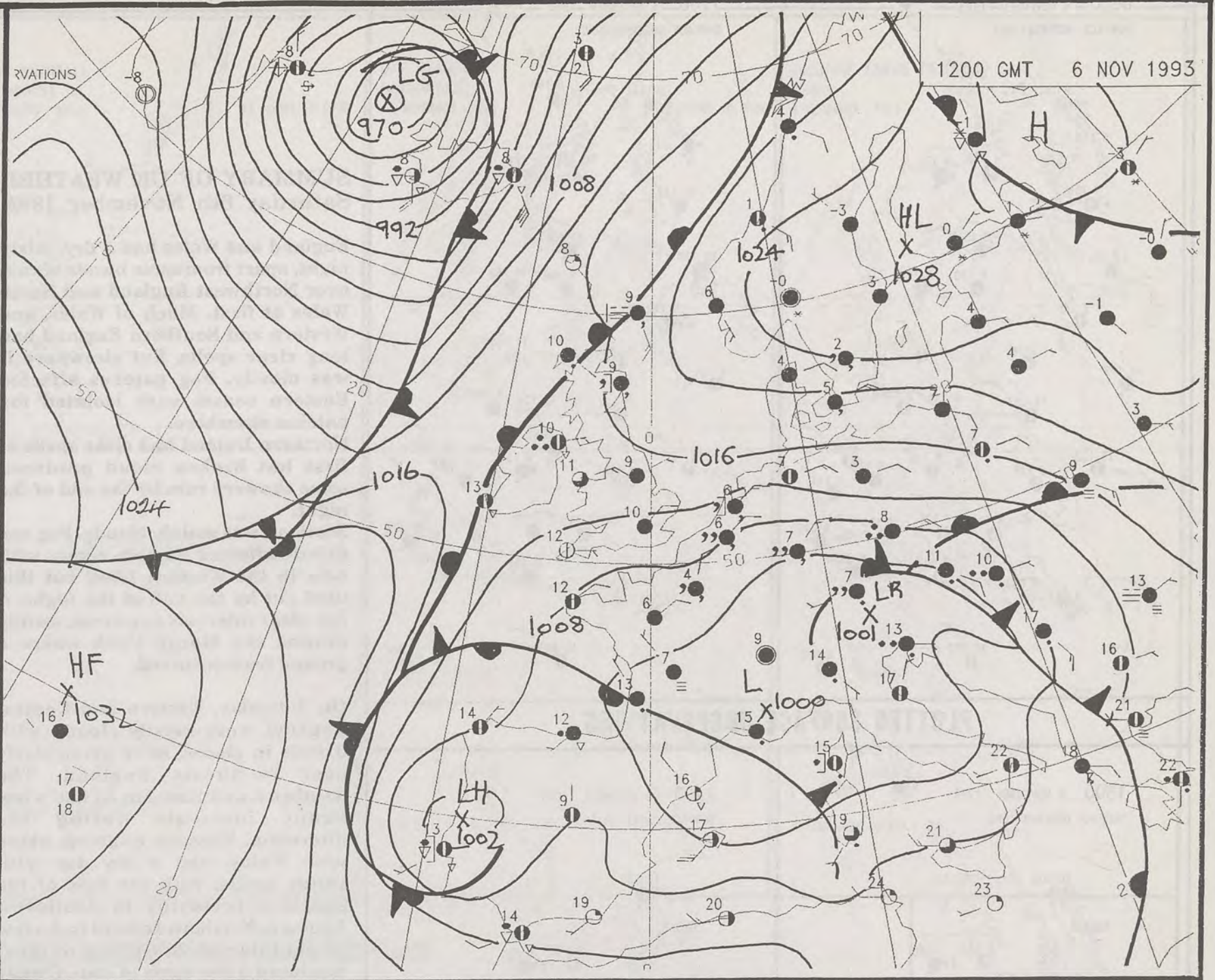
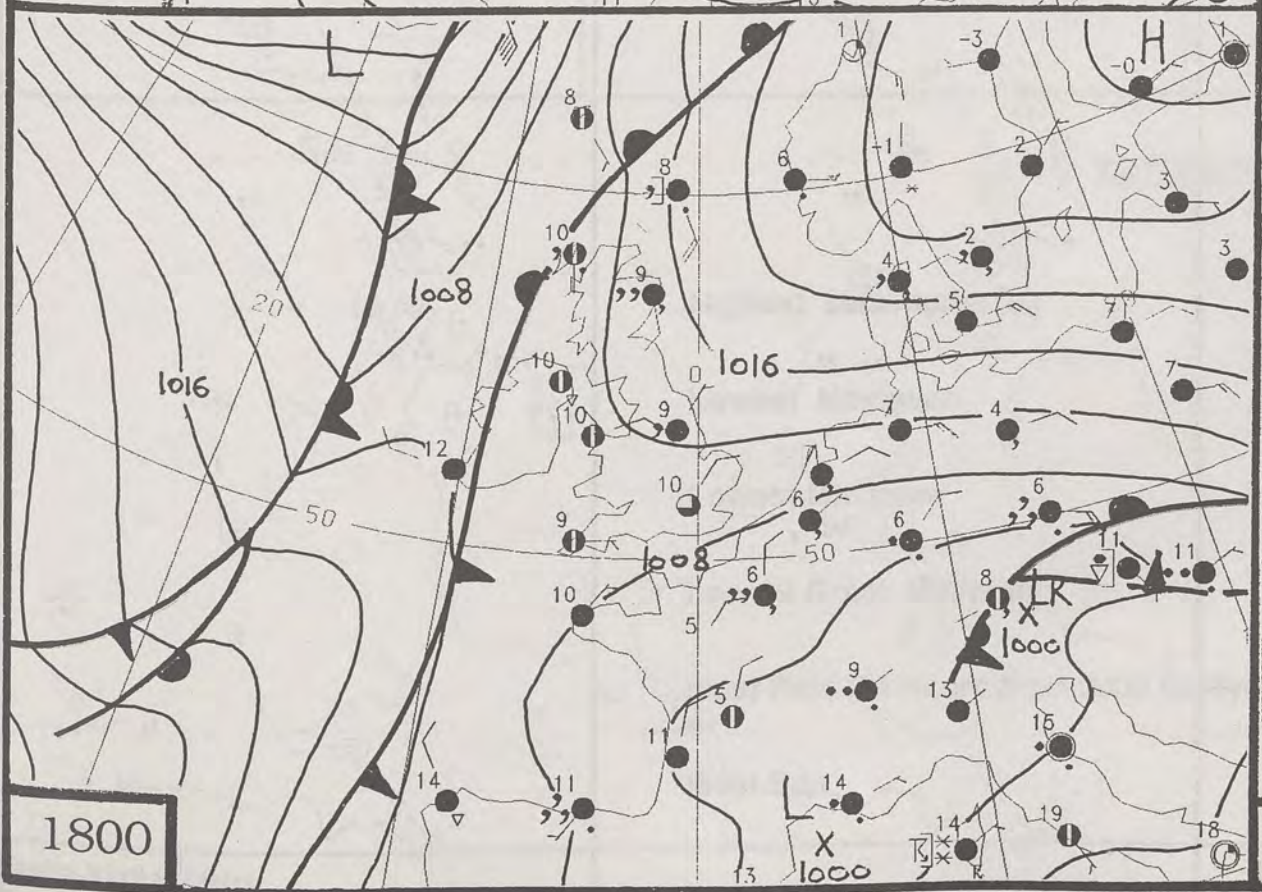
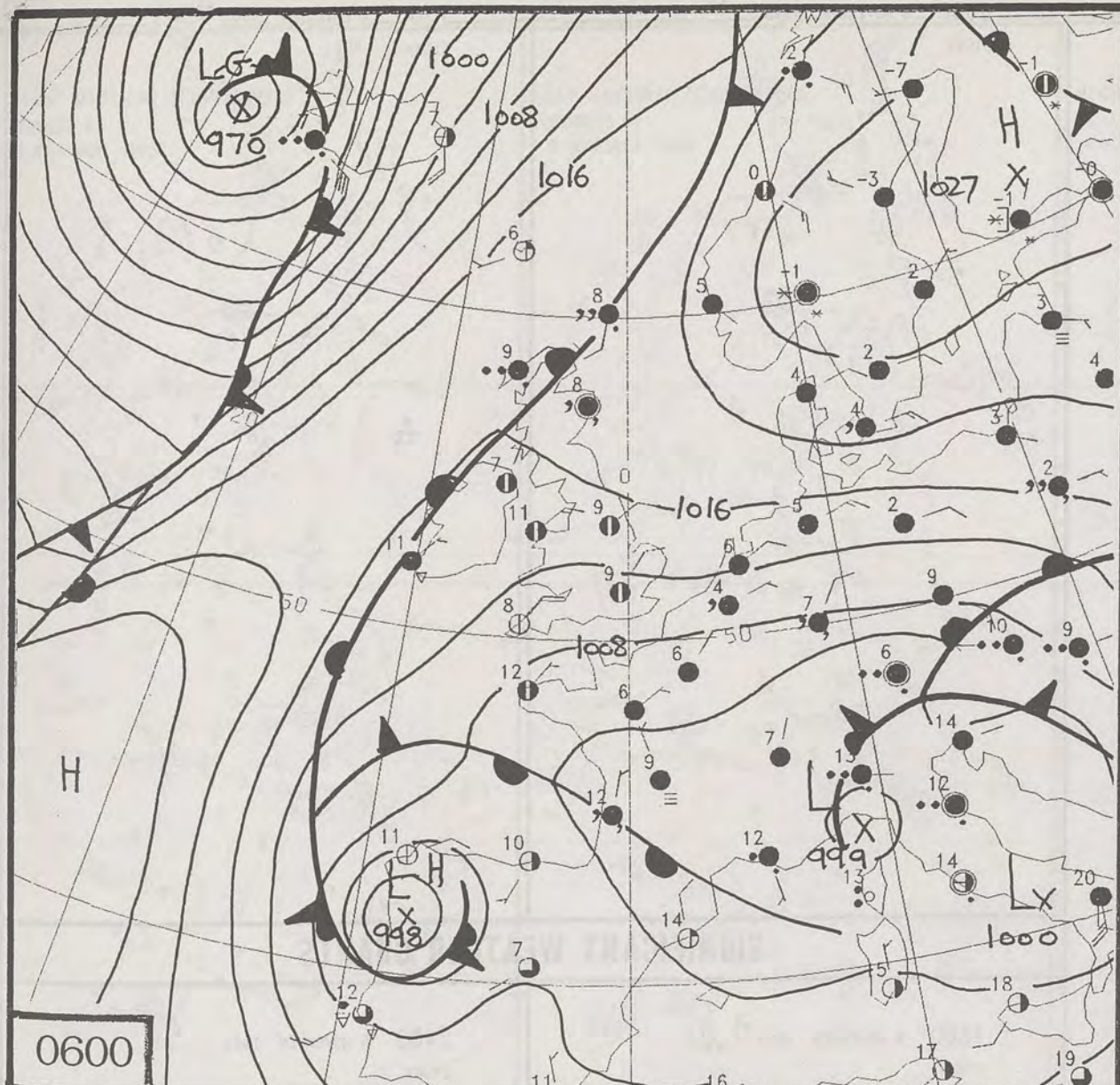
METEOSAT AT 11:30 GMT ON 05/11/93
INFRA-RED



CLOUD-TOP OR LAND/SEA TEMPERATURE
COLD WARM

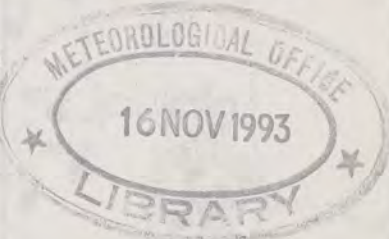


1000-500 MID THICKNESS
PECKED LINE
1200 GMT
CHART 13
POLAR STEREOGRAPHIC PROJECTION AT 60N SCALE 1:2000000
570



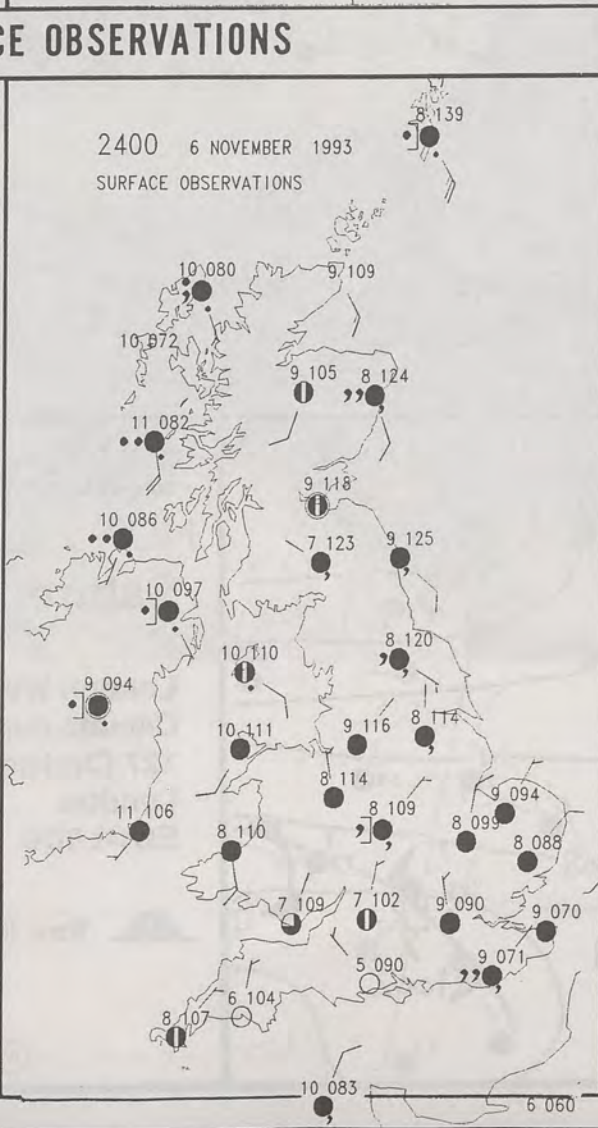
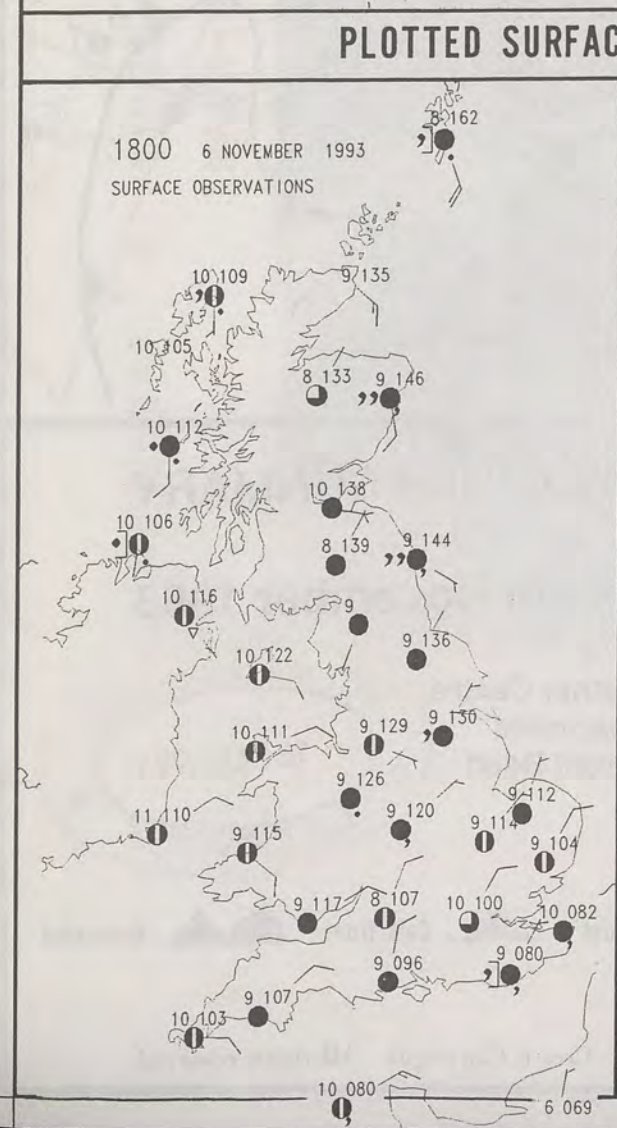
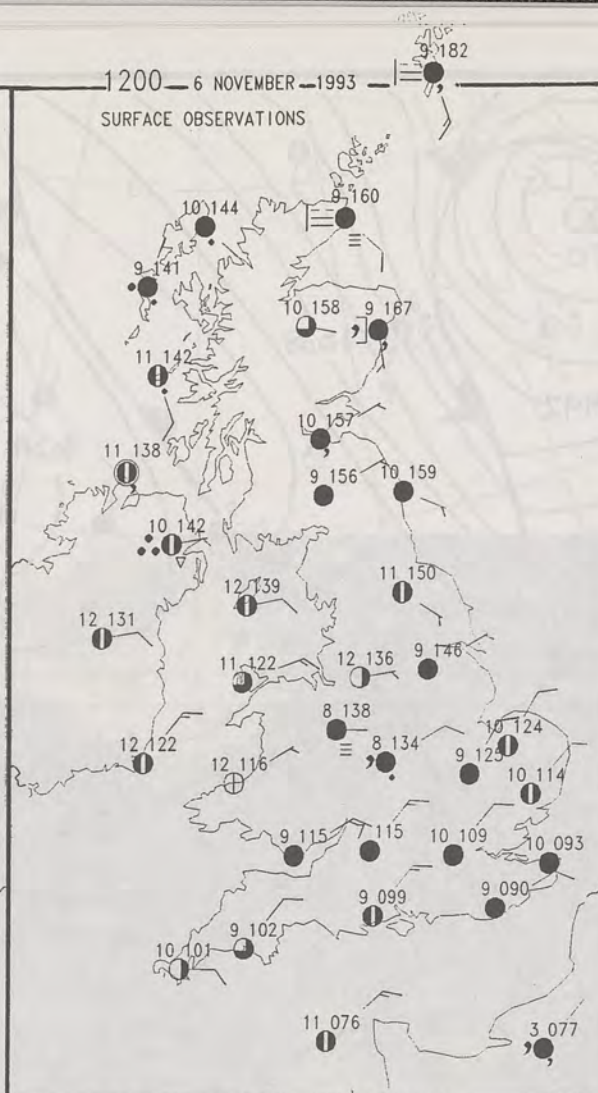
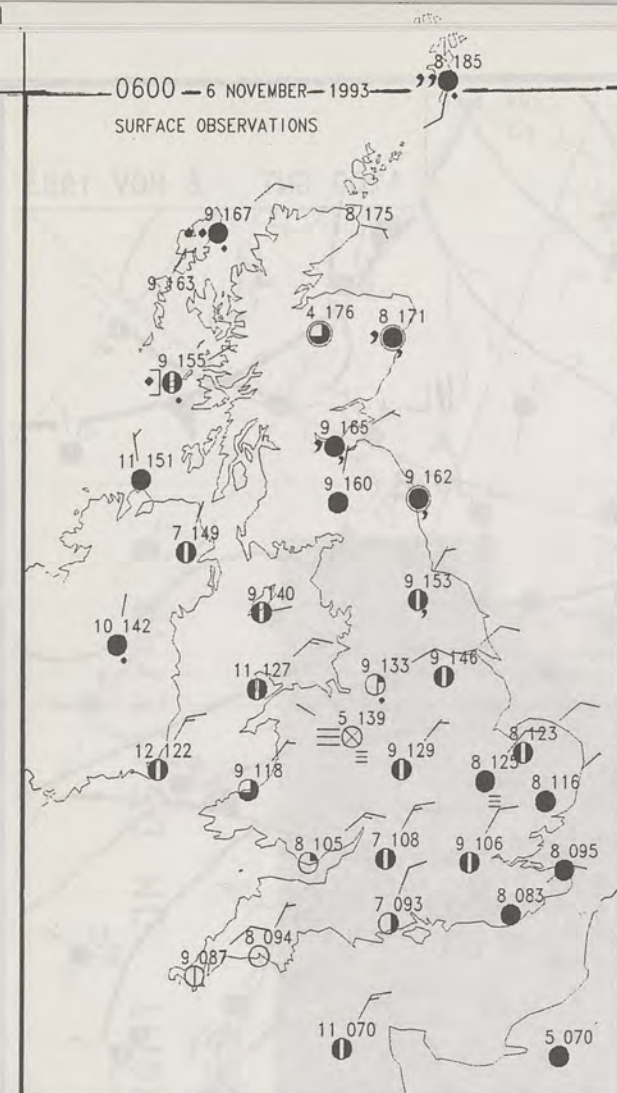
DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Saturday 6th November 1993

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB



Warm front Cold front Occlusion

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PLOTTED SURFACE OBSERVATIONS

SUMMARY OF UK WEATHER Saturday 6th November 1993

England and Wales had a dry, misty night, apart from some bursts of rain over Northwest England and North Wales at first. Much of Wales, and Western and Southern England had long clear spells, but elsewhere it was cloudy. Fog patches affected Eastern coasts with isolated fog patches elsewhere. Northern Ireland had clear spells at first but broken cloud produced some showery rain by the end of the night. Scotland was mainly cloudy. Fog and drizzle affected Eastern coasts with rain in the Western Isles, but this died out by the end of the night. A few clear intervals appeared, mainly around the Moray Firth where a ground frost occurred.

On Saturday, Eastern and Central England were mostly cloudy with drizzle in places, more particularly over Northeast England. The Southeast and East Anglia had a few sunny intervals during the afternoon. Western England, along with Wales, had a dry day with sunny spells, with the best of the sunshine occurring in Southwest England. Northern Ireland had a few bright intervals but plenty of cloud produced a few spots of rain. Cloudy skies over Scotland produced more in the way of rain, especially over Western Scotland. Eastern Scotland had mist and drizzle but coastal fog lifted during the day. Parts of Central and Southern Scotland remained dry.

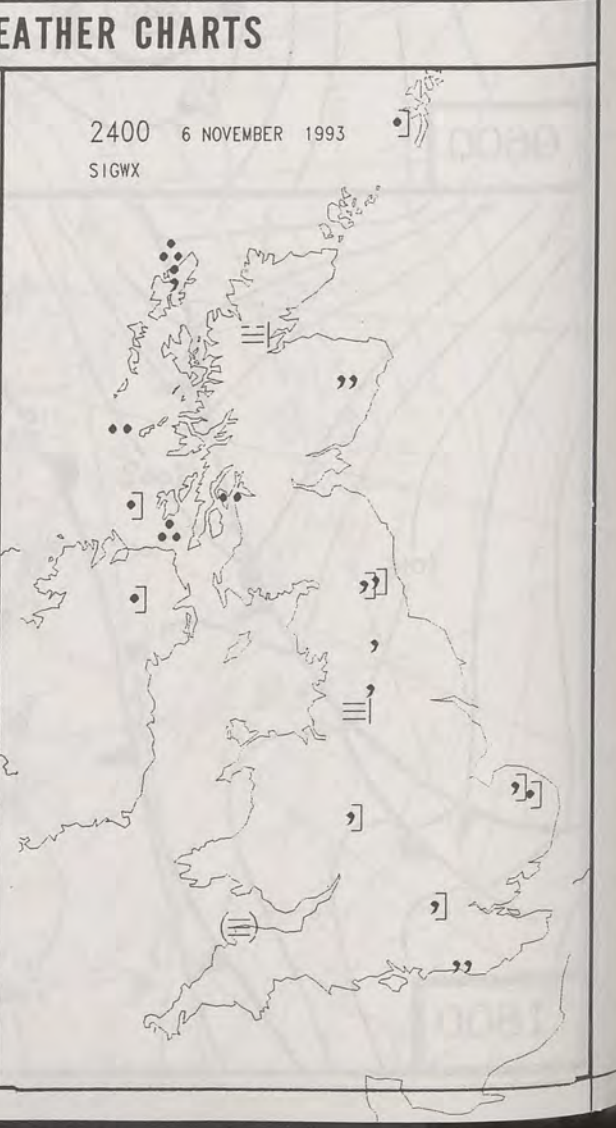
Temperatures were mostly near normal but a few spots in Western Britain had a mild day.

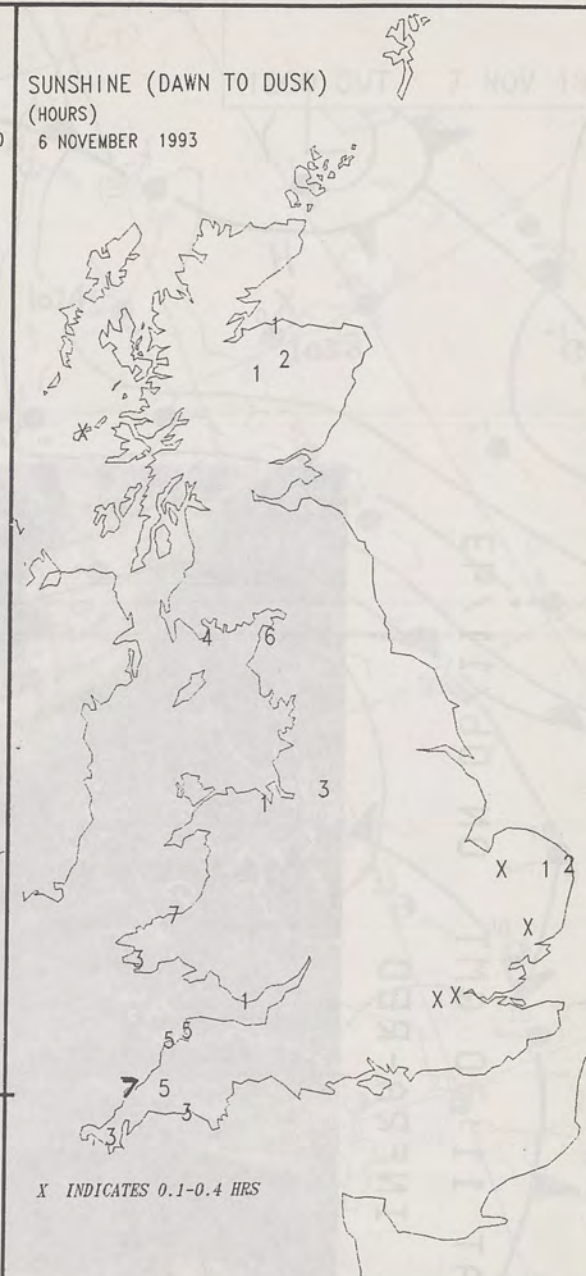
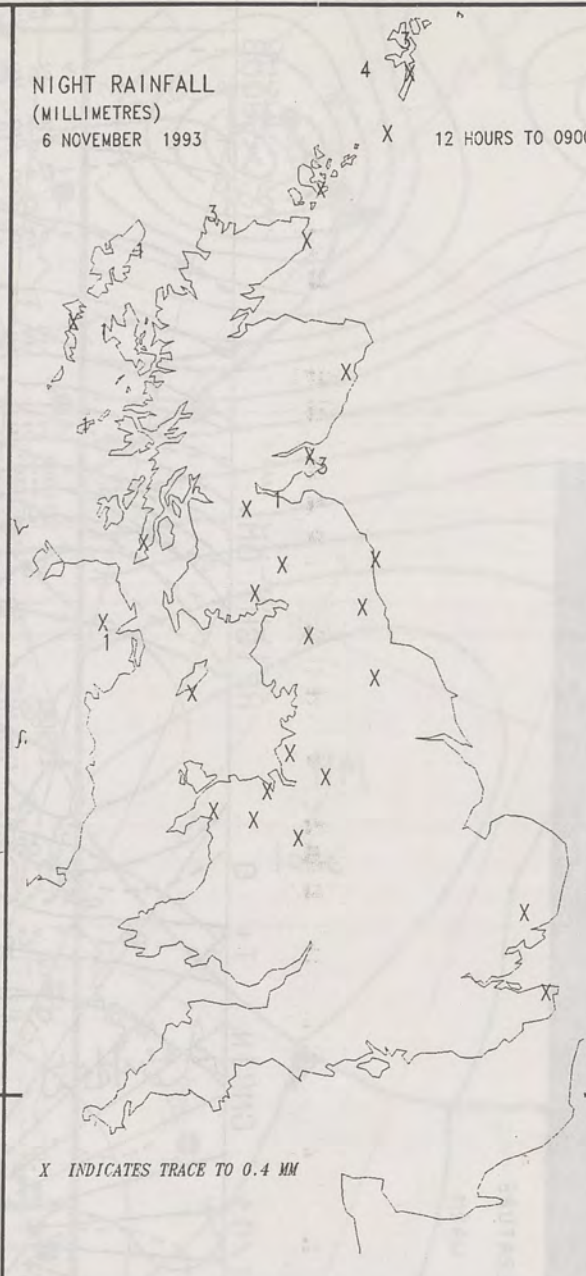
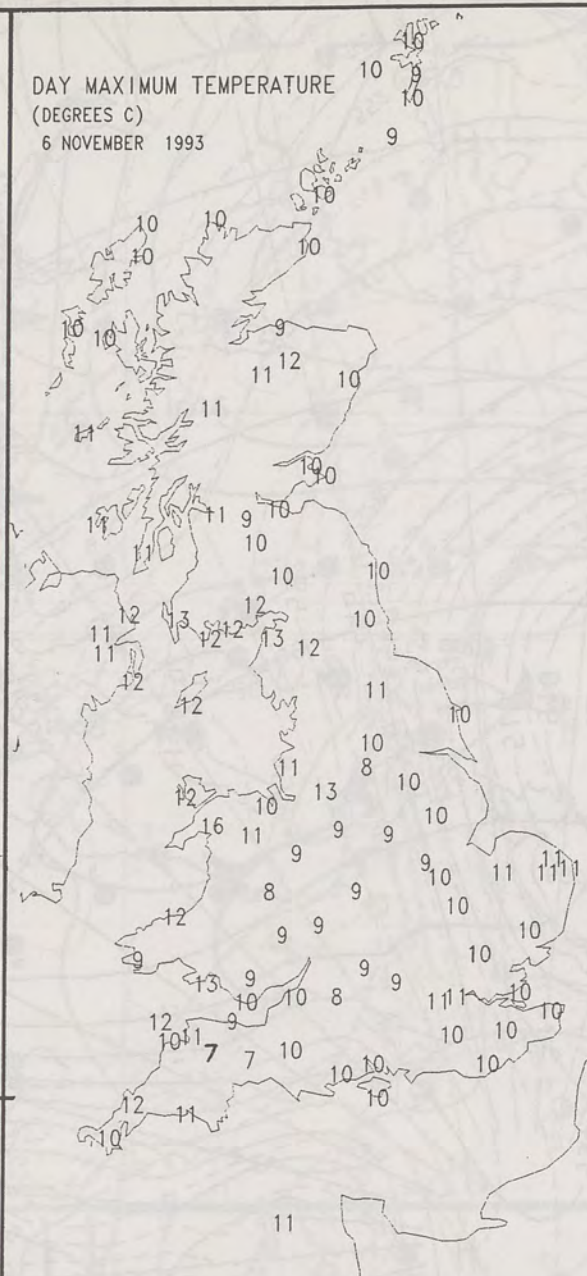
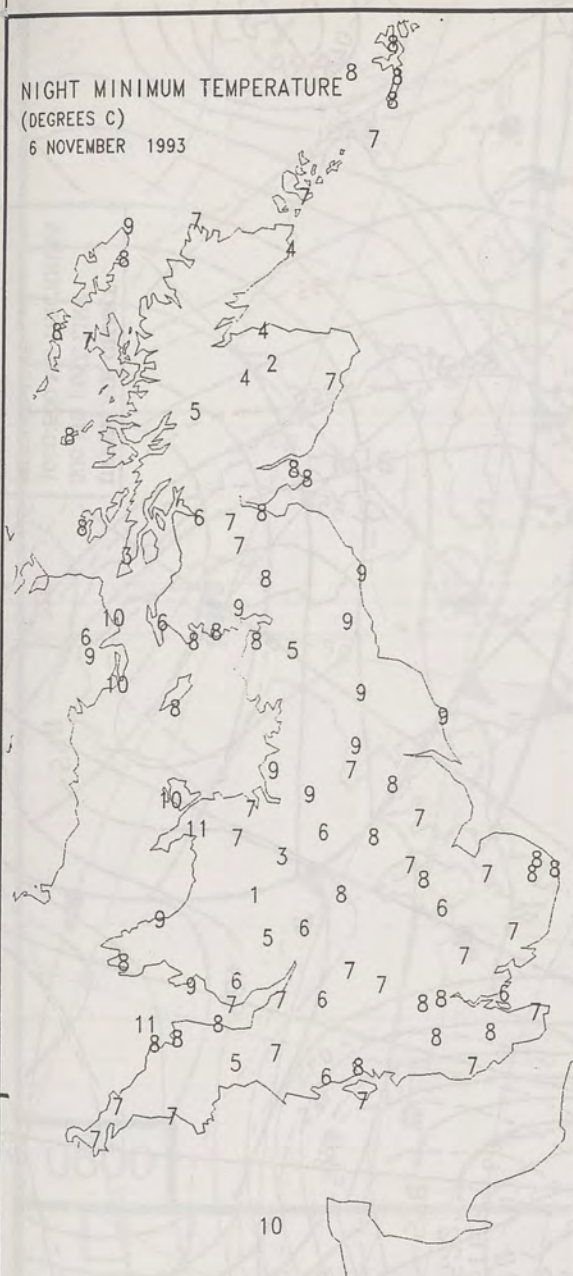
London Weather Centre

All times are GMT
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SIGNIFICANT WEATHER CHARTS





EXTREMES FOR SATURDAY 6TH NOVEMBER 1993

Highest Maximum	: 15.9 C Nantmor [Gwynedd]
Lowest Maximum	: 7.0 C Liscombe [Devon]
Lowest Minimum	: 1.4 C Newcastle on Clun [Shropshire]
Lowest Grass Minimum	: -2.2 C Lossiemouth [Moray Firth]
Most Rain (24 hours from 0900 GMT)	: 27.6 mm Waterstein [Isle of Skye]
Most Sun	: 7.5 Hrs St Mawgan [Cornwall]

DAILY WEATHER SUMMARY

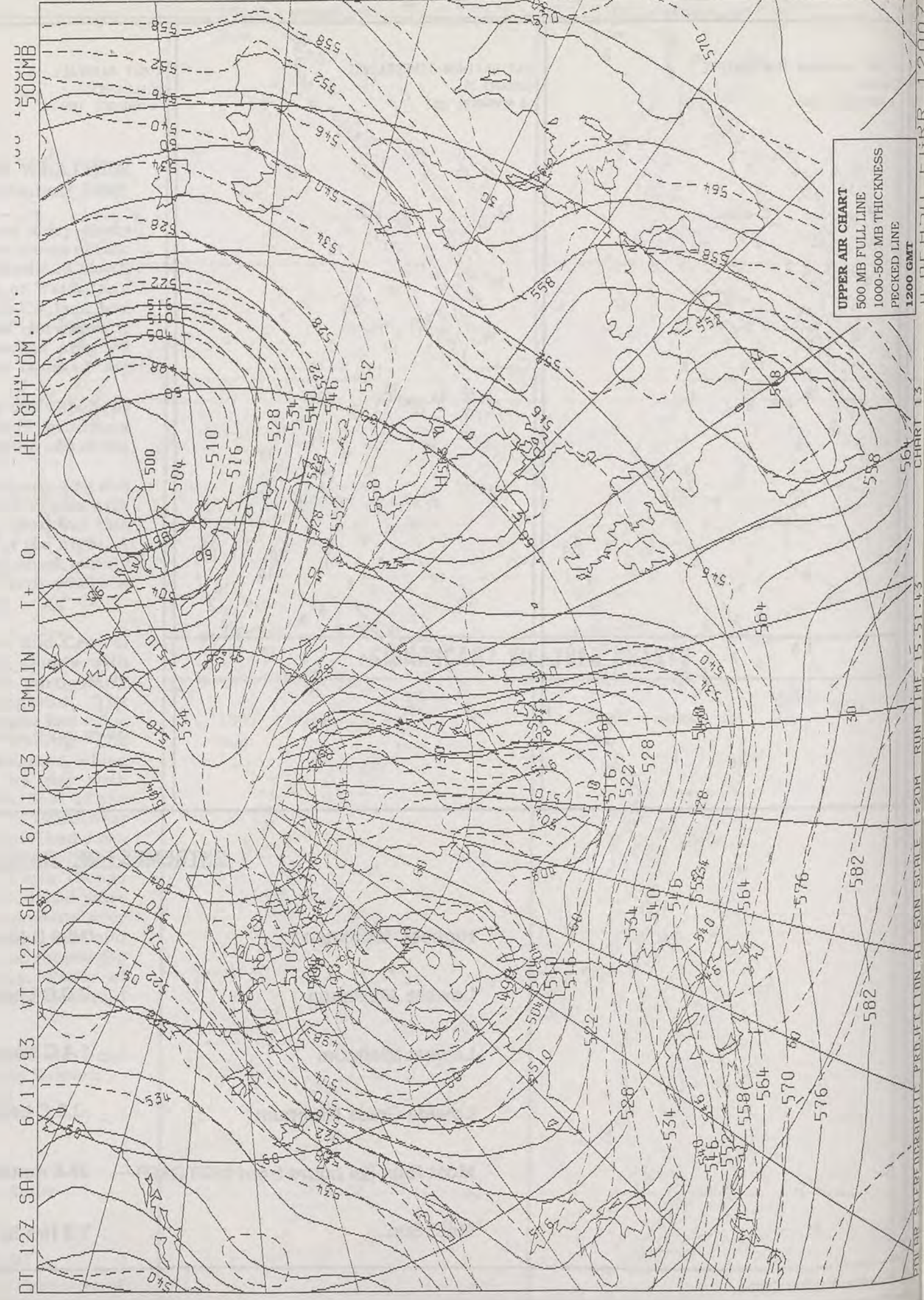


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METEOSAT AT 11:30 GMT ON 06/11/93
 INFRA-RED



CLOUD-TOP OR LAND/SEA TEMPERATURE
 COLD WARM

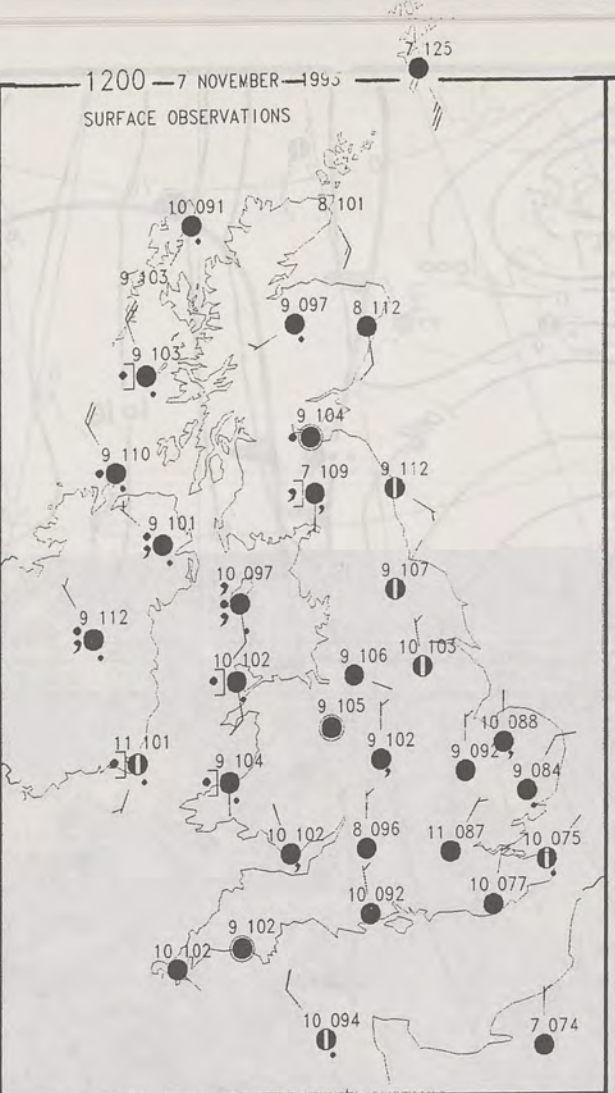
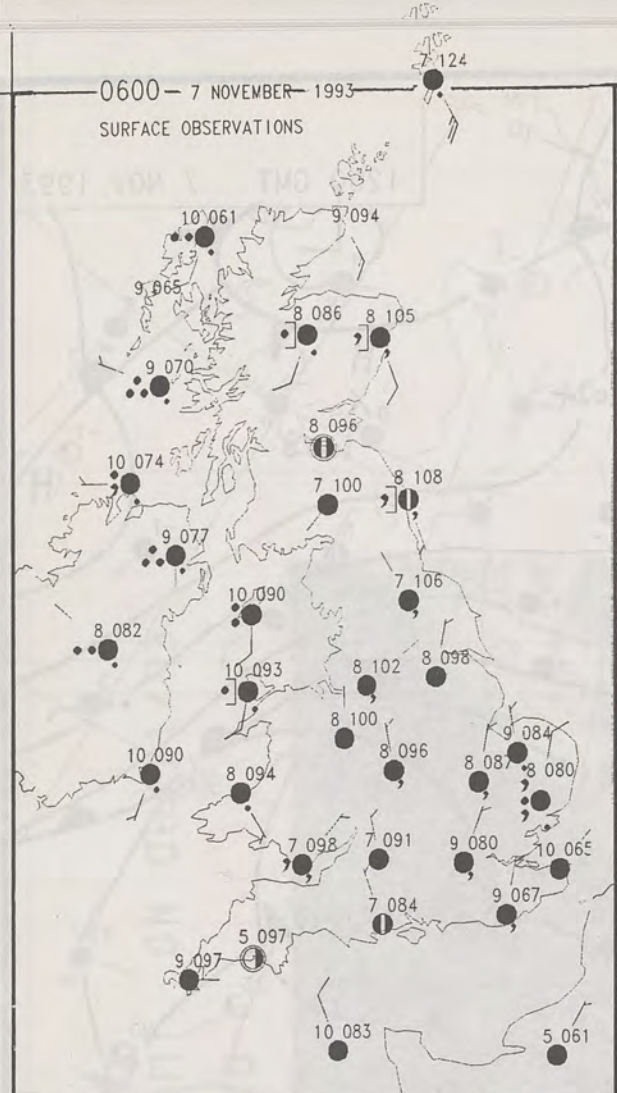


DT 12Z SAT 6/11/93 VT 12Z SAT 6/11/93 GMAIN T+ 0 HEIGHT DM. 500MB

UPPER AIR CHART
 500 MB FULL LINE
 1000-500 MB THICKNESS
 PECKED LINE
 1200 GMT

CHART 13

UNITED STATES NAVY PROJECTION AT 60N SCALE 1:20M RUN TIME 15-51-43



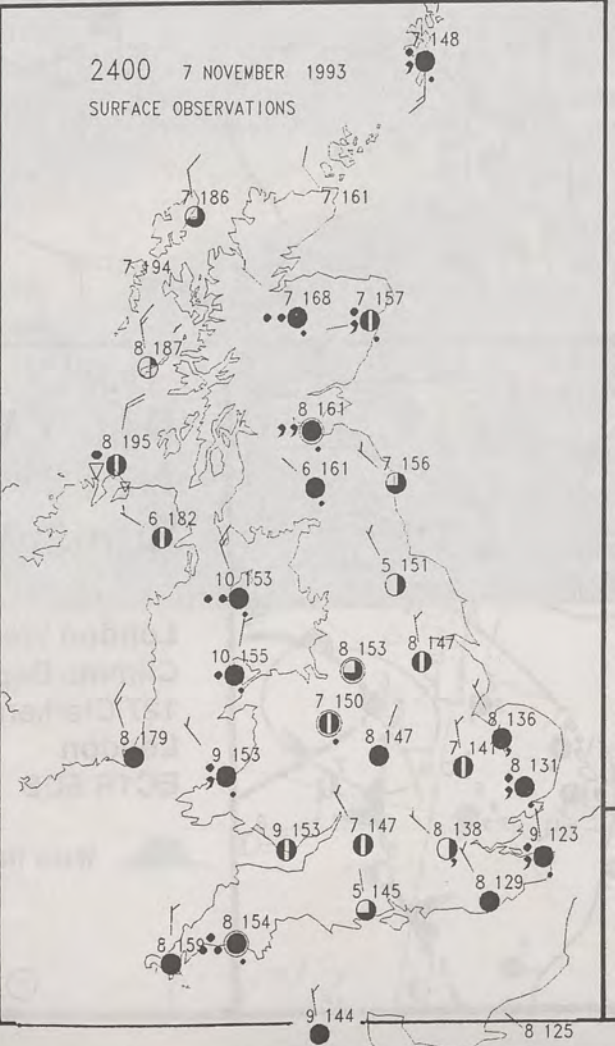
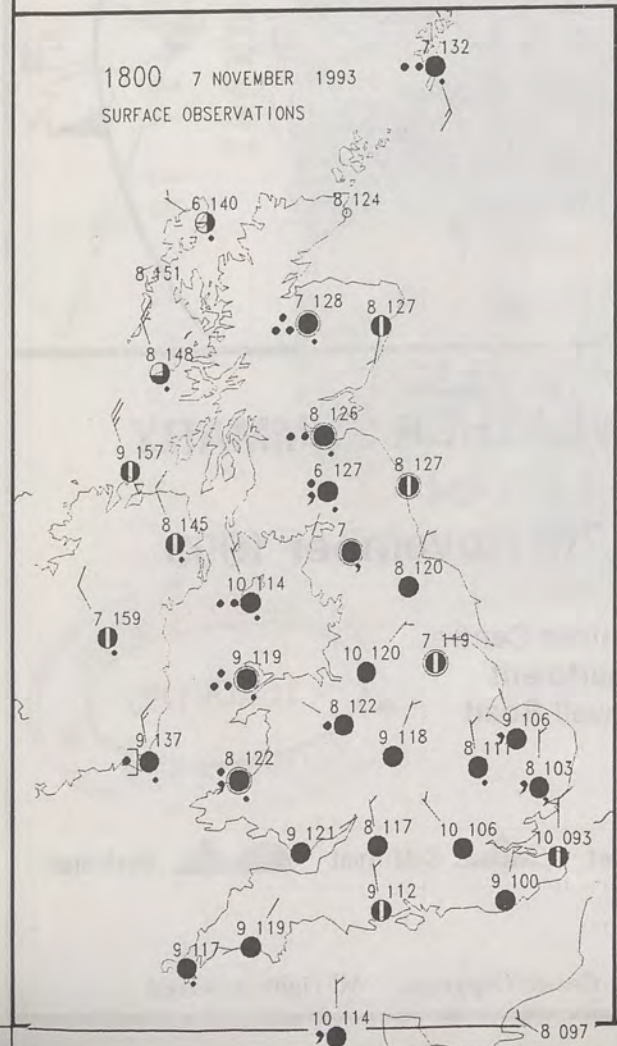
SUMMARY OF UK WEATHER SUNDAY 7th November 1993

Most places had a cloudy night; there were a few patches of drizzle, and more persistent rain spread slowly from the west across Northern Ireland, western and northern Scotland.

Most of the British Isles had a dull day; rain continued to move slowly across Scotland, and later affected west Wales and Cornwall, although it tended to become more patchy with time. Northern Ireland and much of western Scotland became dry during the afternoon. Away from the rain area over the east and south of Britain there was some patchy drizzle.

Temperatures were near the seasonal normal.

PLOTTED SURFACE OBSERVATIONS



SIGNIFICANT WEATHER CHARTS

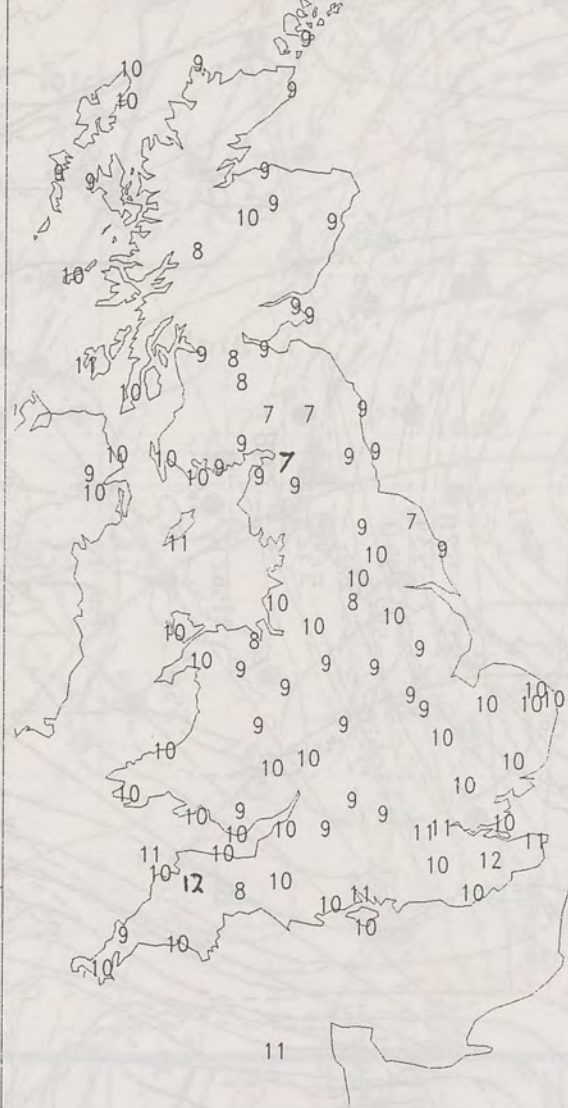


London Weather Centre
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NIGHT MINIMUM TEMPERATURE
(DEGREES C)
7 NOVEMBER 1993



DAY MAXIMUM TEMPERATURE
(DEGREES C)
7 NOVEMBER 1993



NIGHT RAINFALL
(MILLIMETRES)
7 NOVEMBER 1993



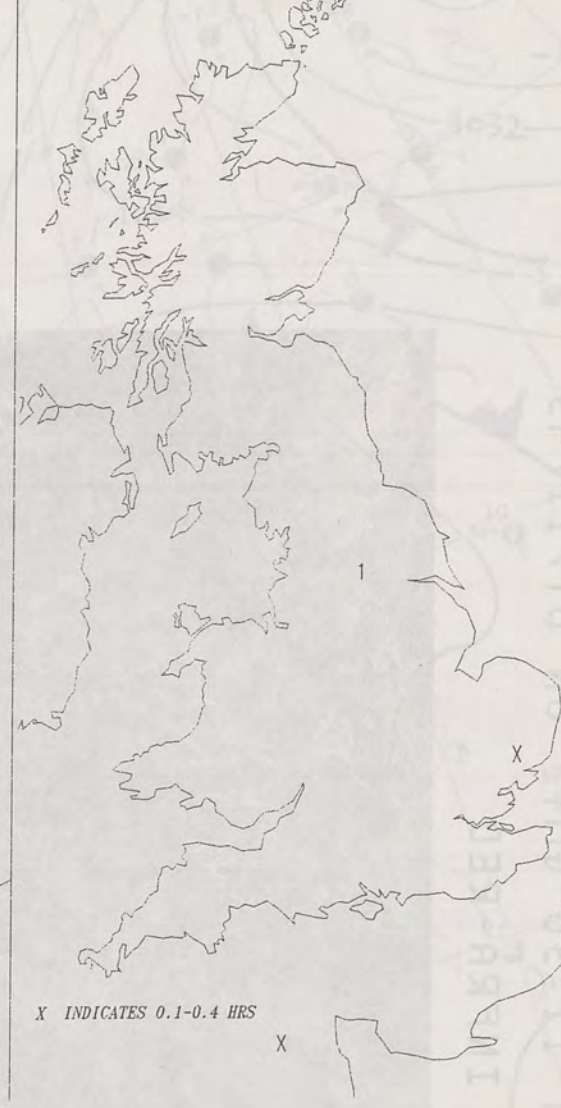
X INDICATES TRACE TO 0.4 MM

DAY RAINFALL
(MILLIMETRES)
7 NOVEMBER 1993



X INDICATES TRACE TO 0.4 MM

SUNSHINE (DAWN TO DUSK)
(HOURS)
7 NOVEMBER 1993



X INDICATES 0.1-0.4 HRS

EXTREMES FOR SUNDAY 7TH NOVEMBER 1993

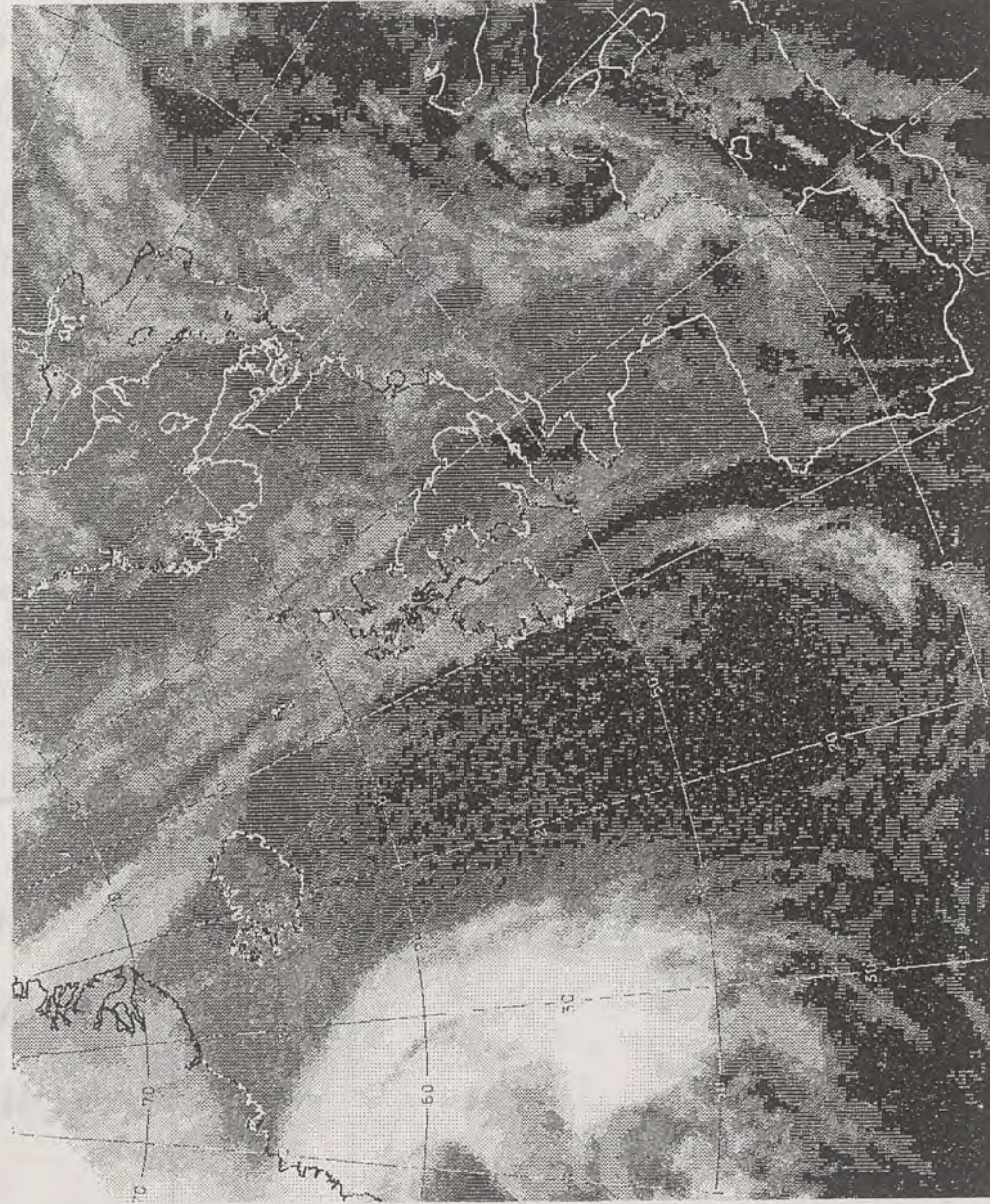
Highest Maximum	: 12.2 C Burrington [Devon]
Lowest Maximum	: 6.6 C Spadeadam [Cumbria]
Lowest Minimum	: 0.6 C Bastreet [Cornwall]
Lowest Grass Minimum	: -1.9 C Bastreet
Most Rain (24 hours from 0900 GMT)	: 16.4 mm West Freugh [Dumfries and Galloway]
Most Sun	: 0.8 Hrs Leeds

DAILY WEATHER SUMMARY

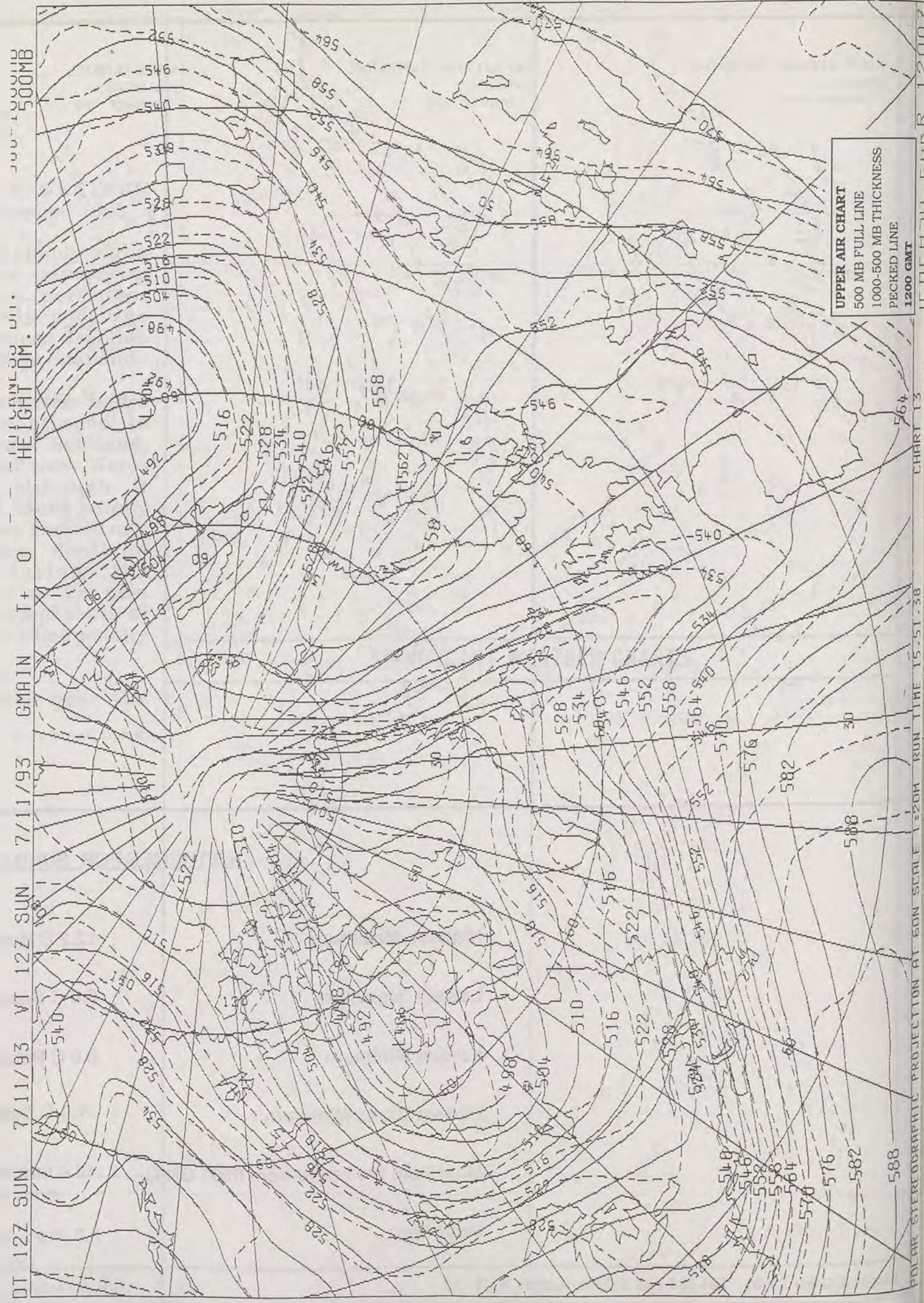


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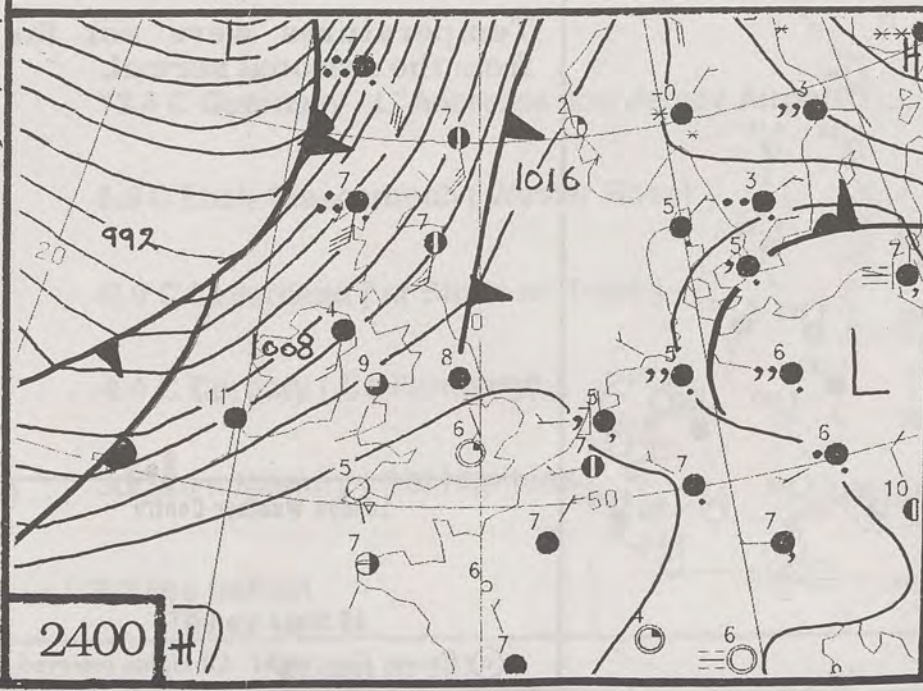
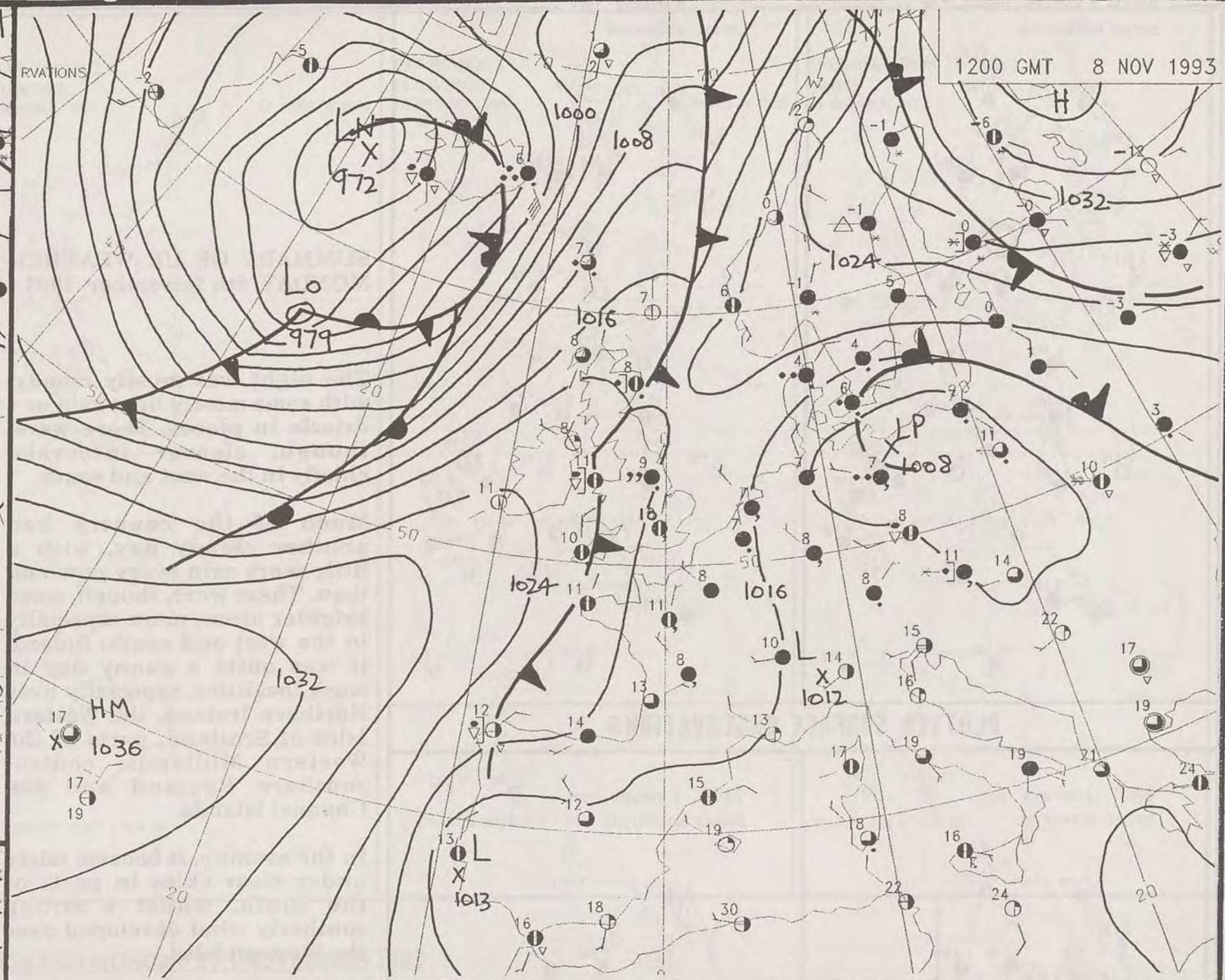
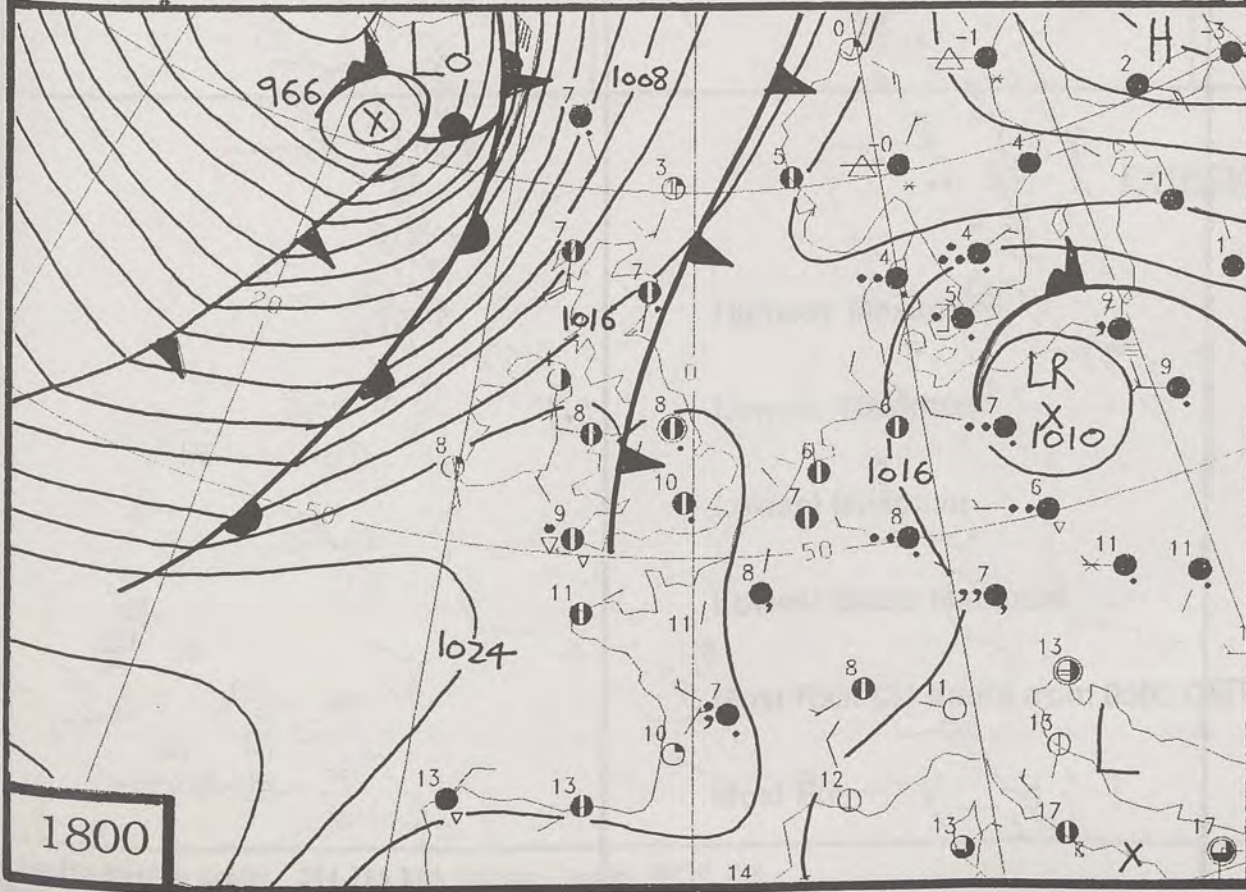
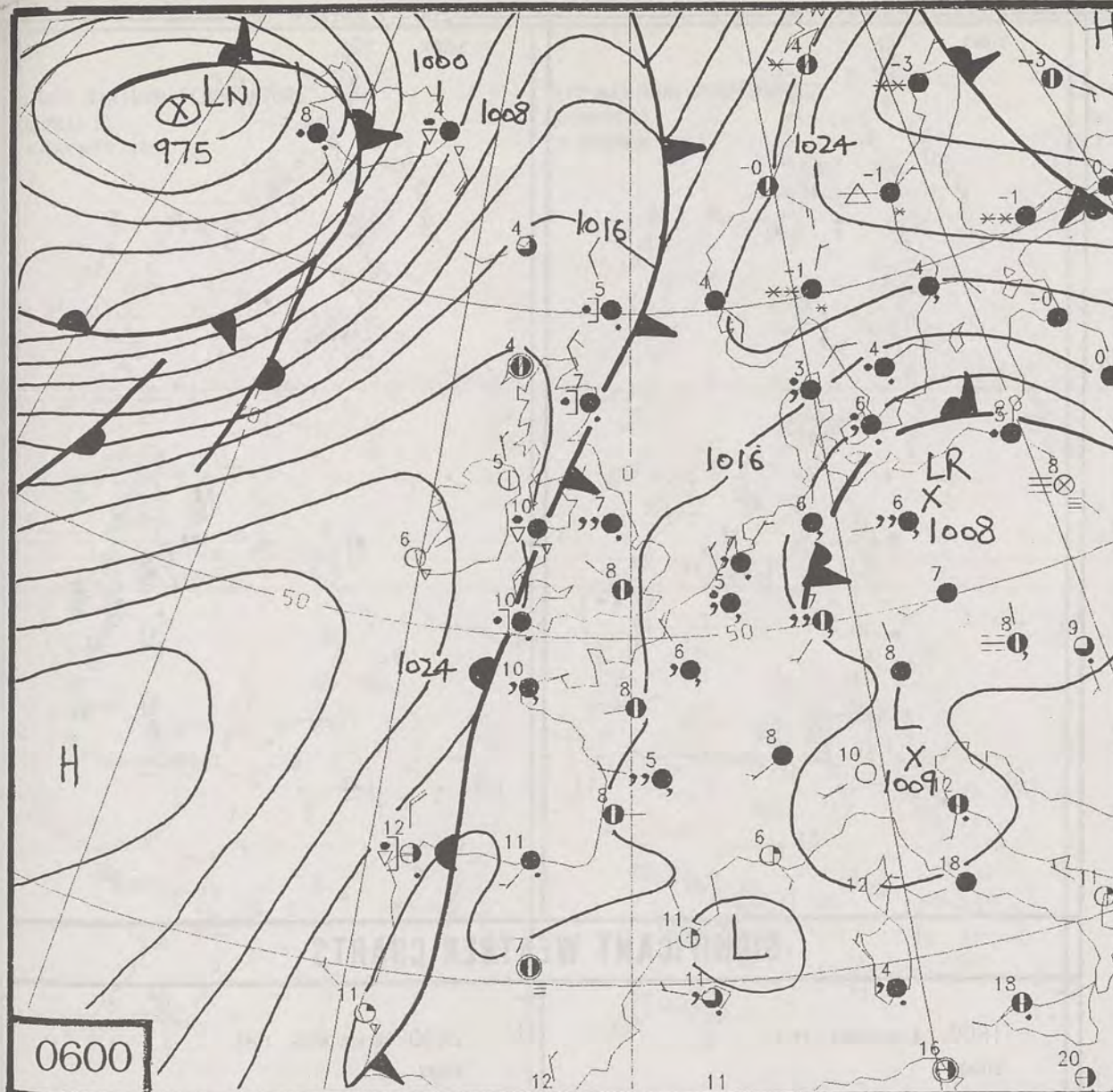
METEOSAT AT 11:30 GMT ON 07/11/93
 INFRA-RED



CLOUD-TOP OR LAND/SEA TEMPERATURE
 COLD WARM



PECKED LINE
1200 GMT
CHART 13
POLAR STEREOGRAPHIC PROJECTION AT 60N SCALE 1:20M RUN TIME 15:51:38
588



DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Monday 8th November 1993

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB



Warm front Cold front Occlusion

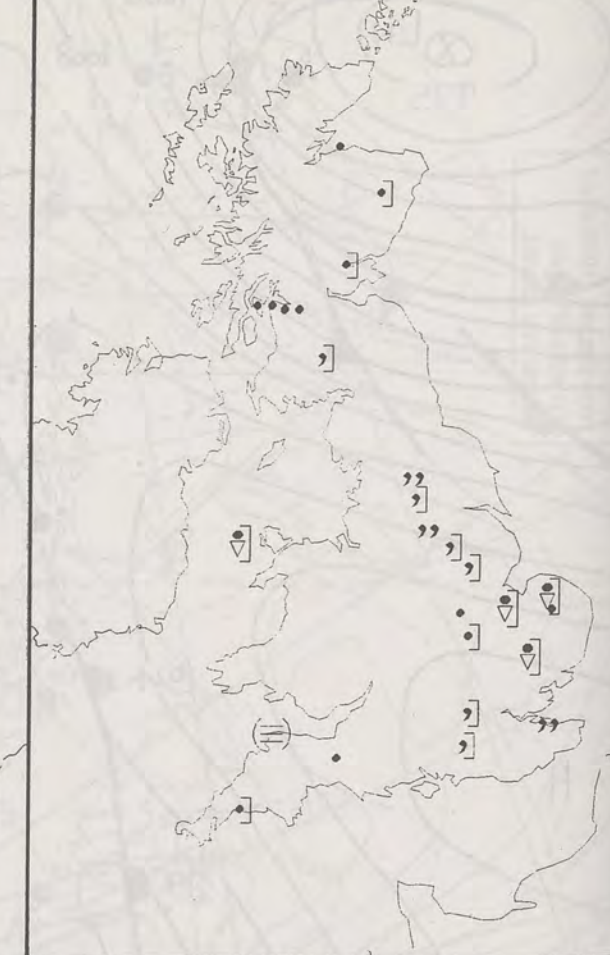
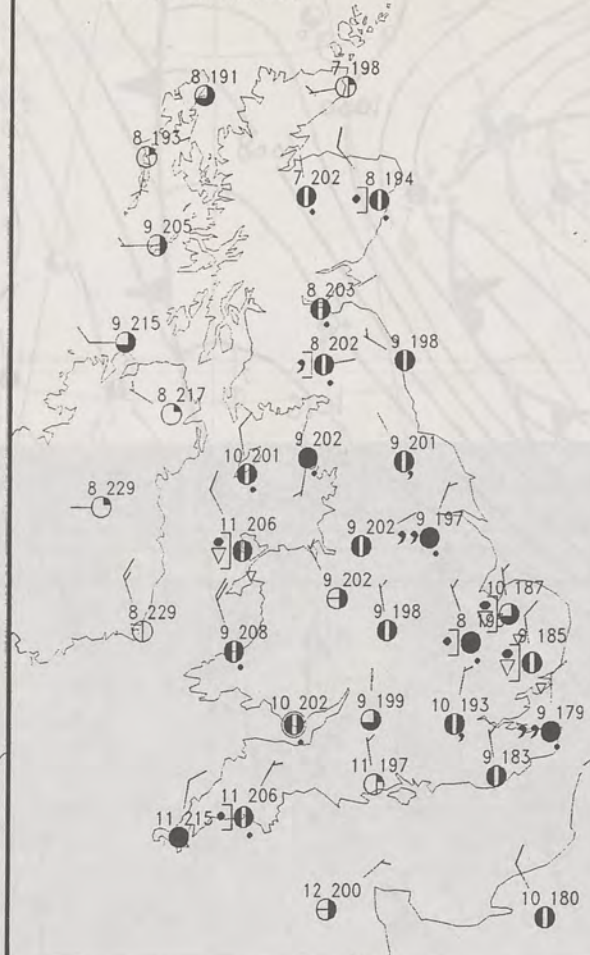
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0600 — 8 NOVEMBER 1993
SURFACE OBSERVATIONS

1200 — 8 NOVEMBER 1993
SURFACE OBSERVATIONS

0600 — 8 NOVEMBER 1993
SIGWX

1200 — 8 NOVEMBER 1993
SIGWX



SUMMARY OF UK WEATHER MONDAY 8th November 1993

The night was mostly cloudy, with some mostly light rain or drizzle in places. There were, though, clearer intervals, chiefly in the west and south.

Much of the country had another cloudy day, with a little more rain every now and then. There were, though, some brighter areas, more especially in the west and south; indeed, it was quite a sunny day in some localities, especially over Northern Ireland, the Western Isles of Scotland, parts of the Western Midlands, central southern England and the Channel Islands.

In the evening, it became misty under clear skies in parts of the south, whilst a strong southerly wind developed over the Western Isles.

Temperatures were not far from the seasonal normal.

London Weather Centre

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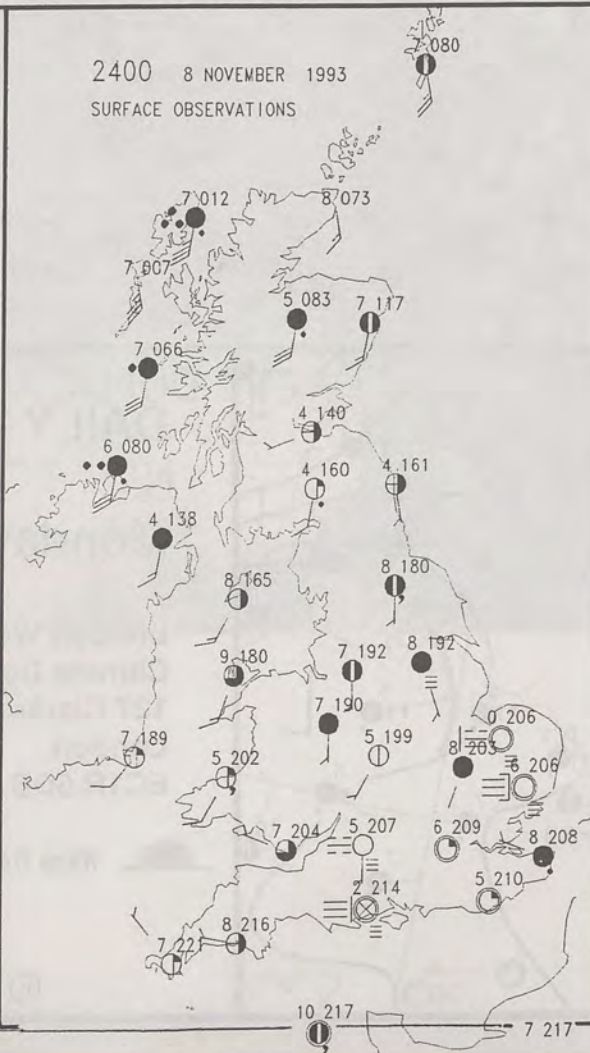
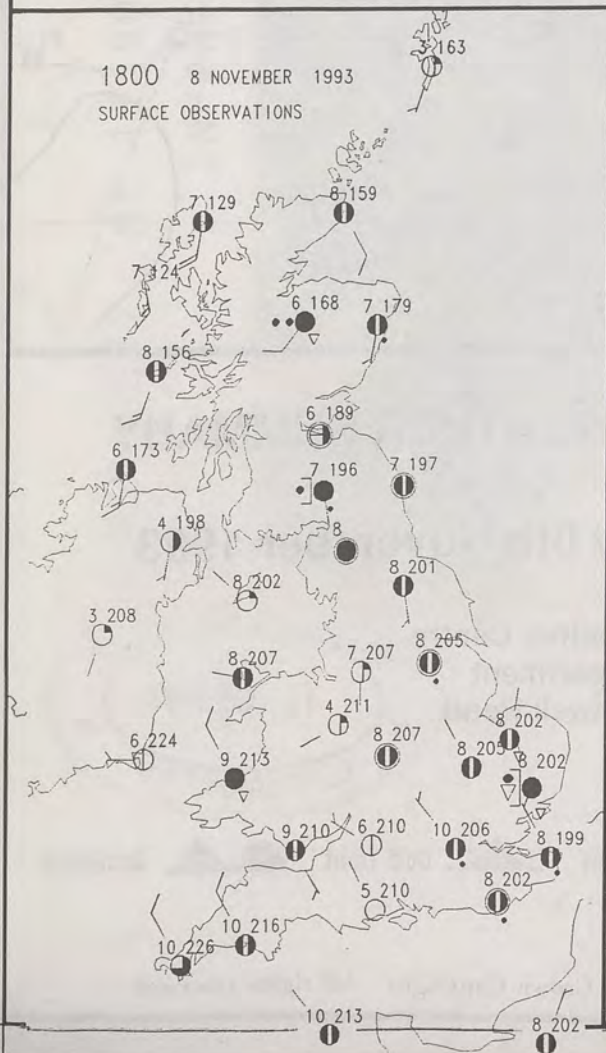
PLOTTED SURFACE OBSERVATIONS

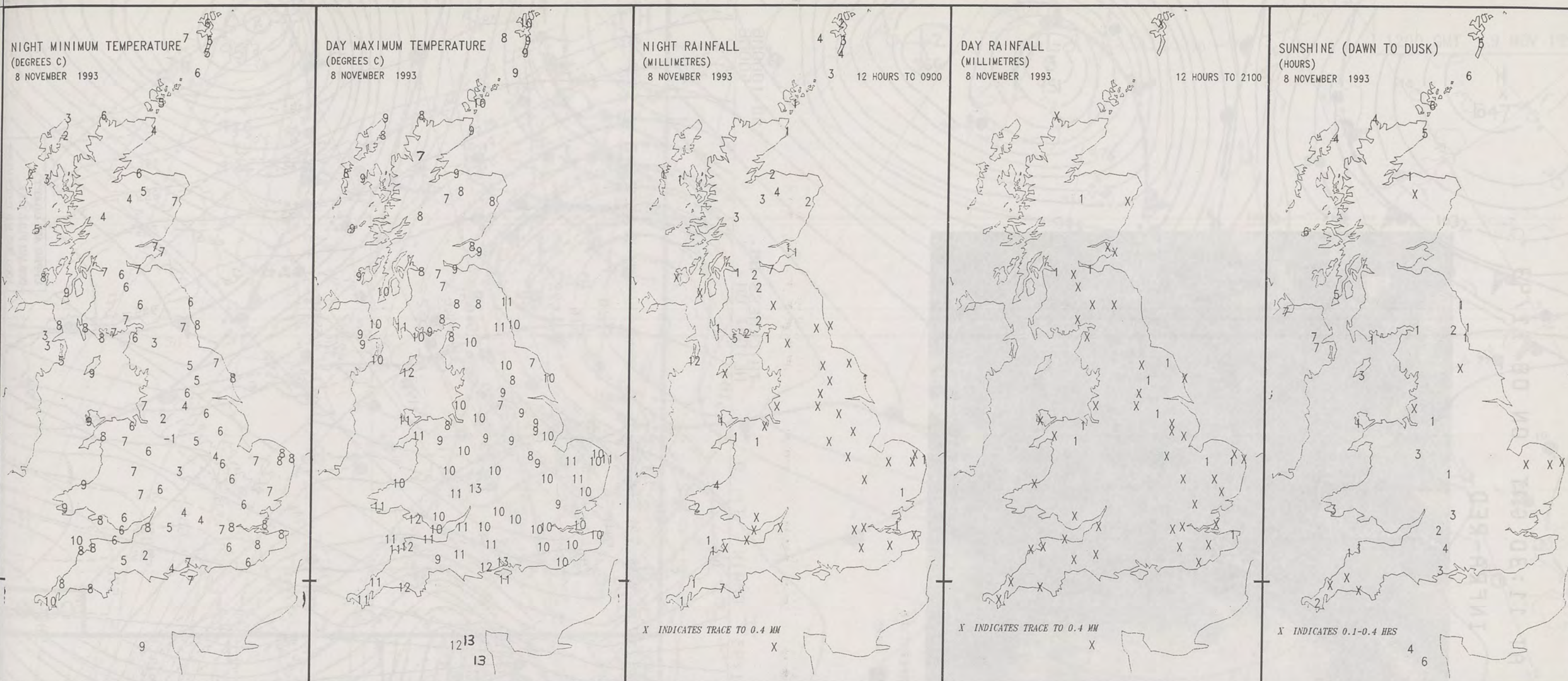
1800 8 NOVEMBER 1993
SURFACE OBSERVATIONS

2400 8 NOVEMBER 1993
SURFACE OBSERVATIONS

1800 8 NOVEMBER 1993
SIGWX

2400 8 NOVEMBER 1993
SIGWX





EXTREMES FOR MONDAY 8TH NOVEMBER 1993

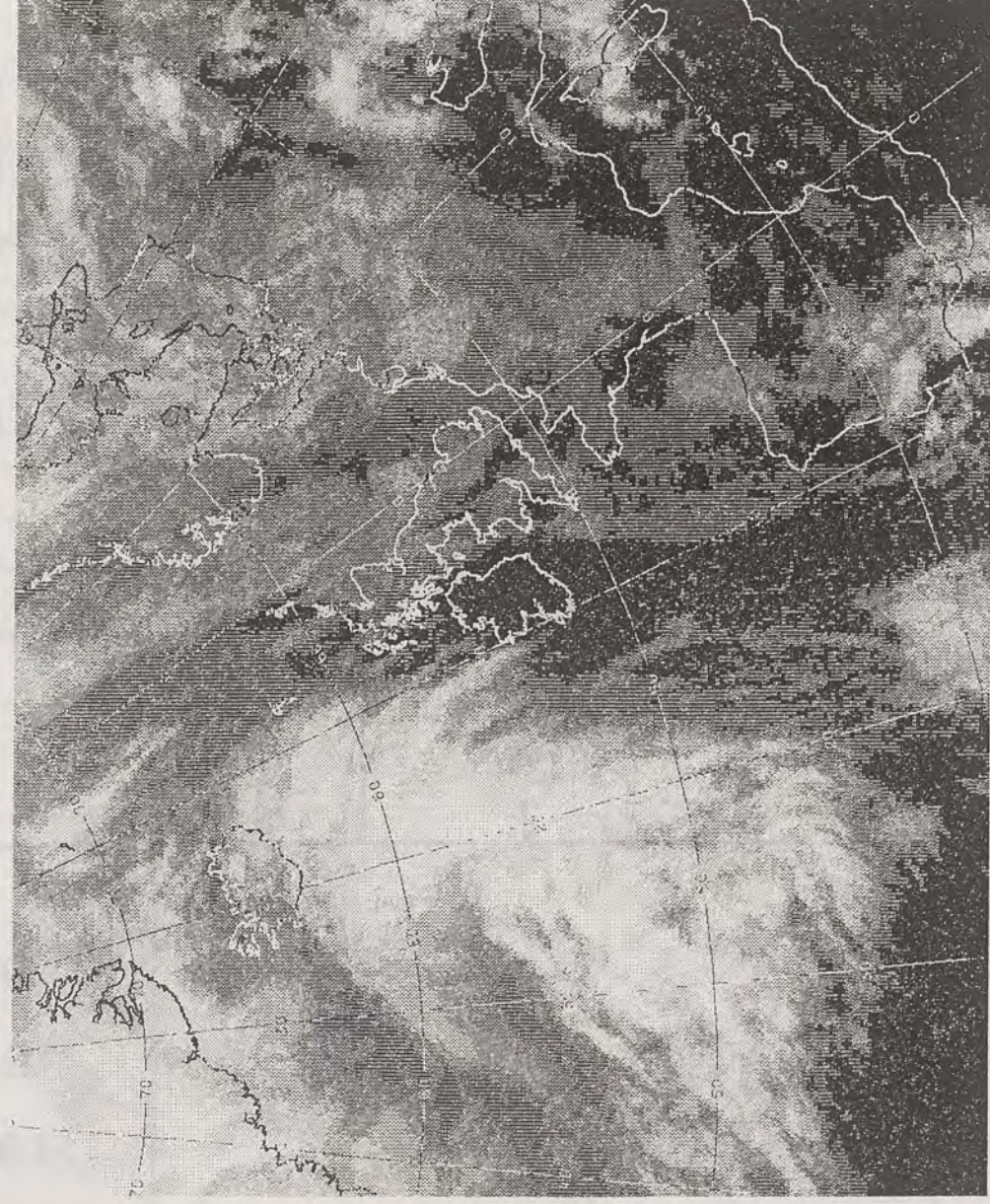
Highest Maximum	: 13.4 C Guernsey / L'Ancrese and Jersey Airport
Lowest Maximum	: 6.8 C Loch Glascarnoch [Wester Ross]
Lowest Minimum	: -0.9 C Cellarhead [nr Stoke on Trent]
Lowest Grass Minimum	: -4.4 C Corgary [Co Fermagh]
Most Rain (24 hours from 0900 GMT)	: 30.3 mm Kilmory [SW Highland]
Most Sun	: 7.2 Hrs Belfast

DAILY WEATHER SUMMARY



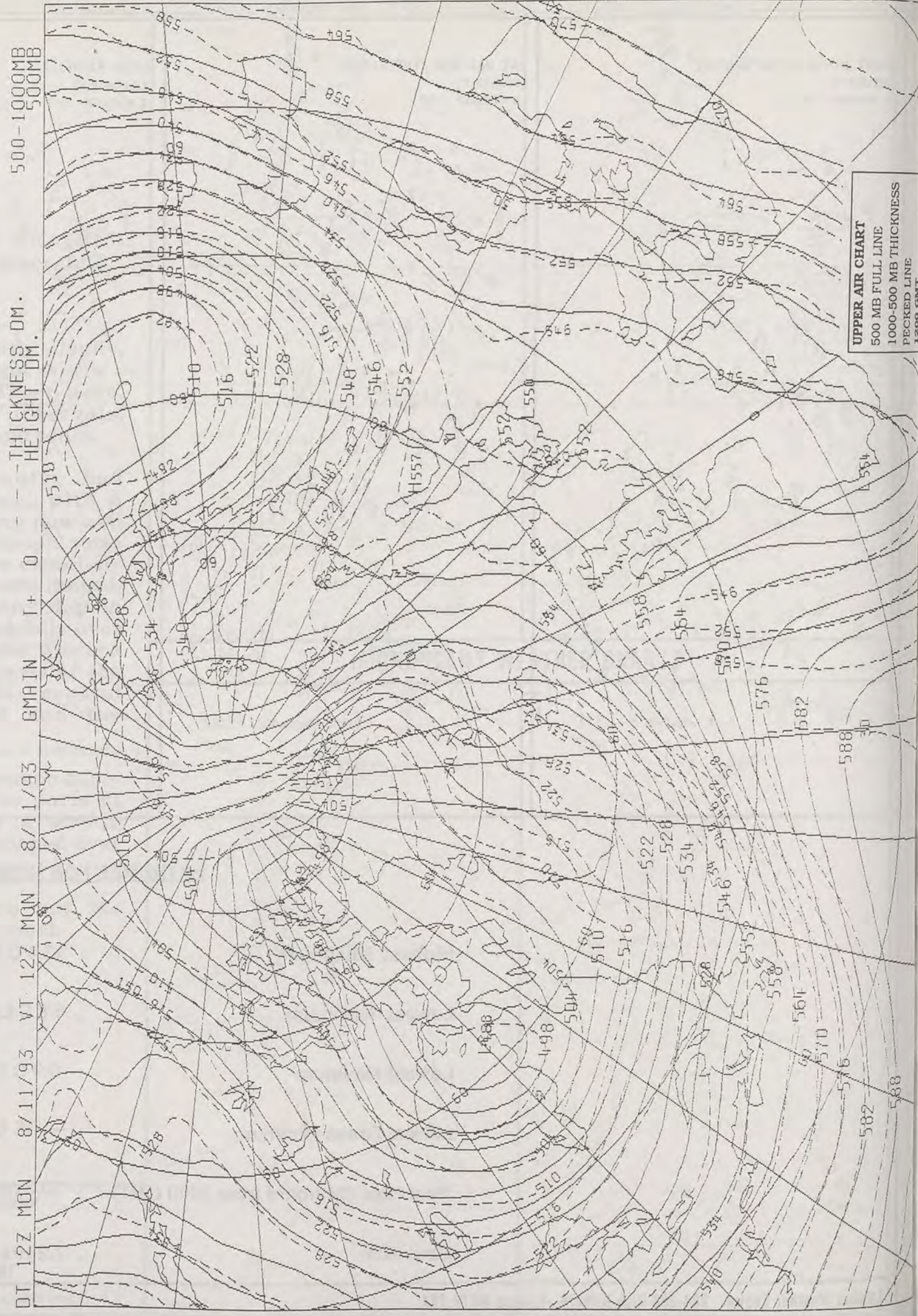
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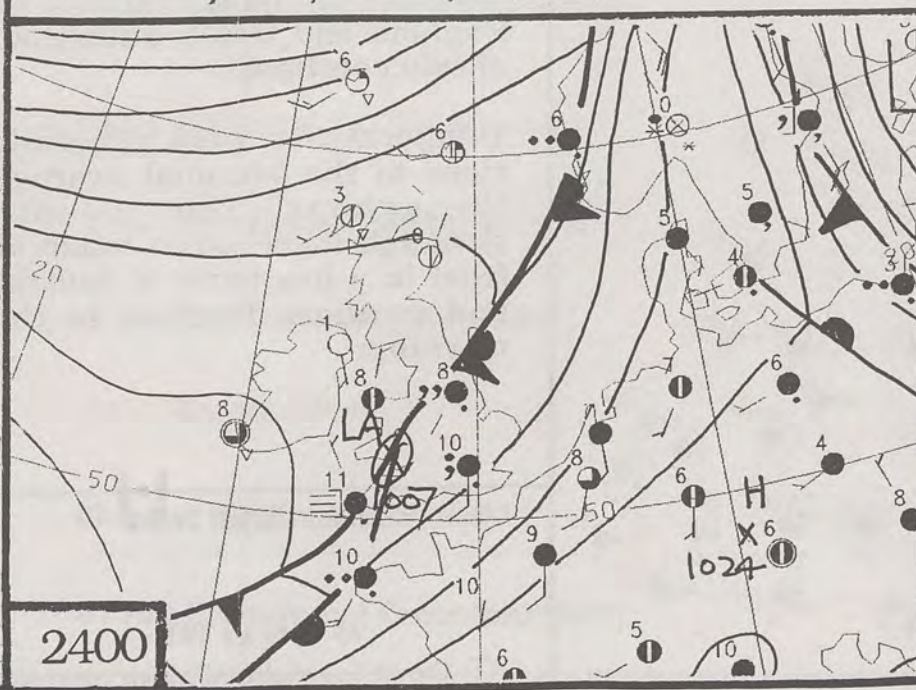
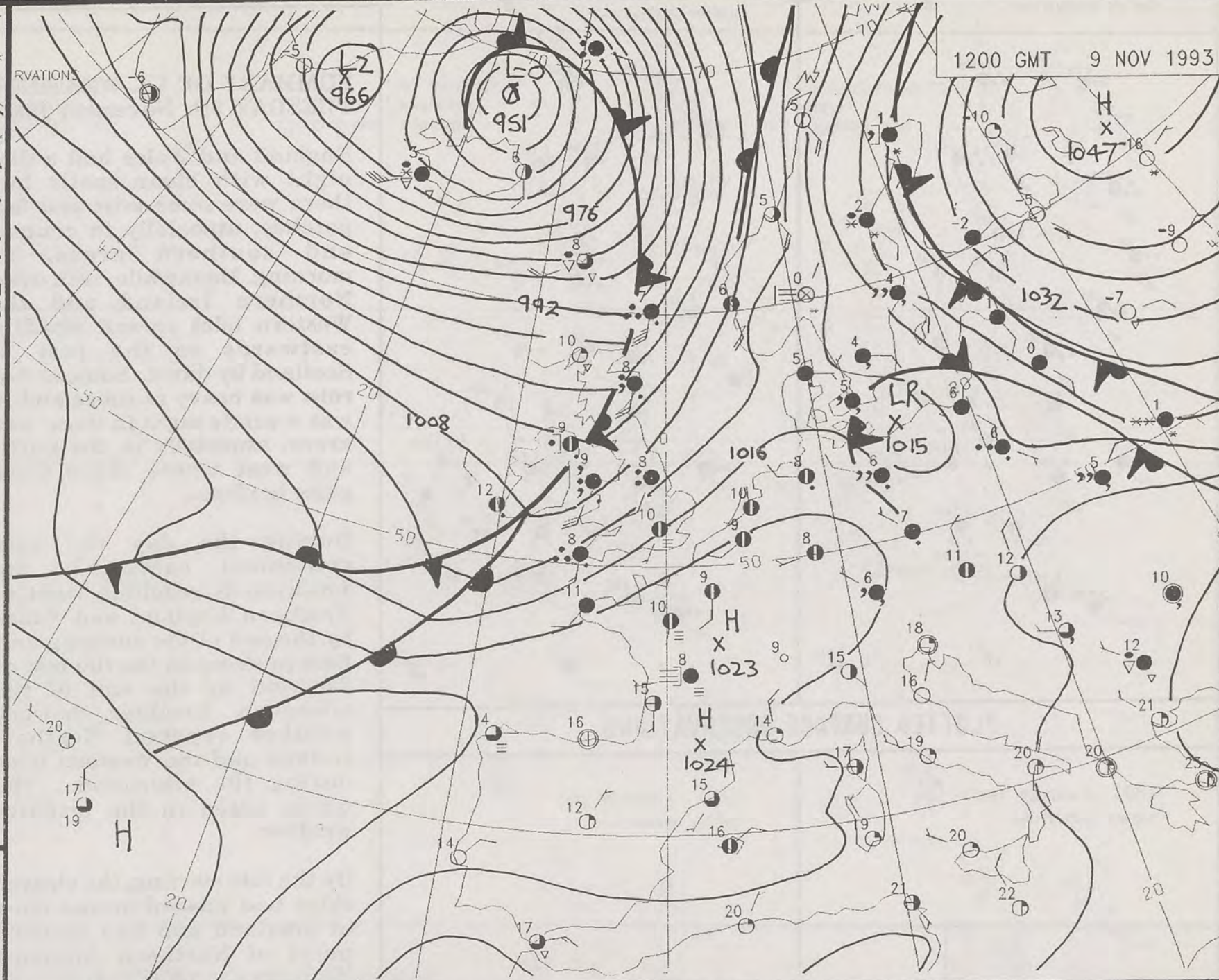
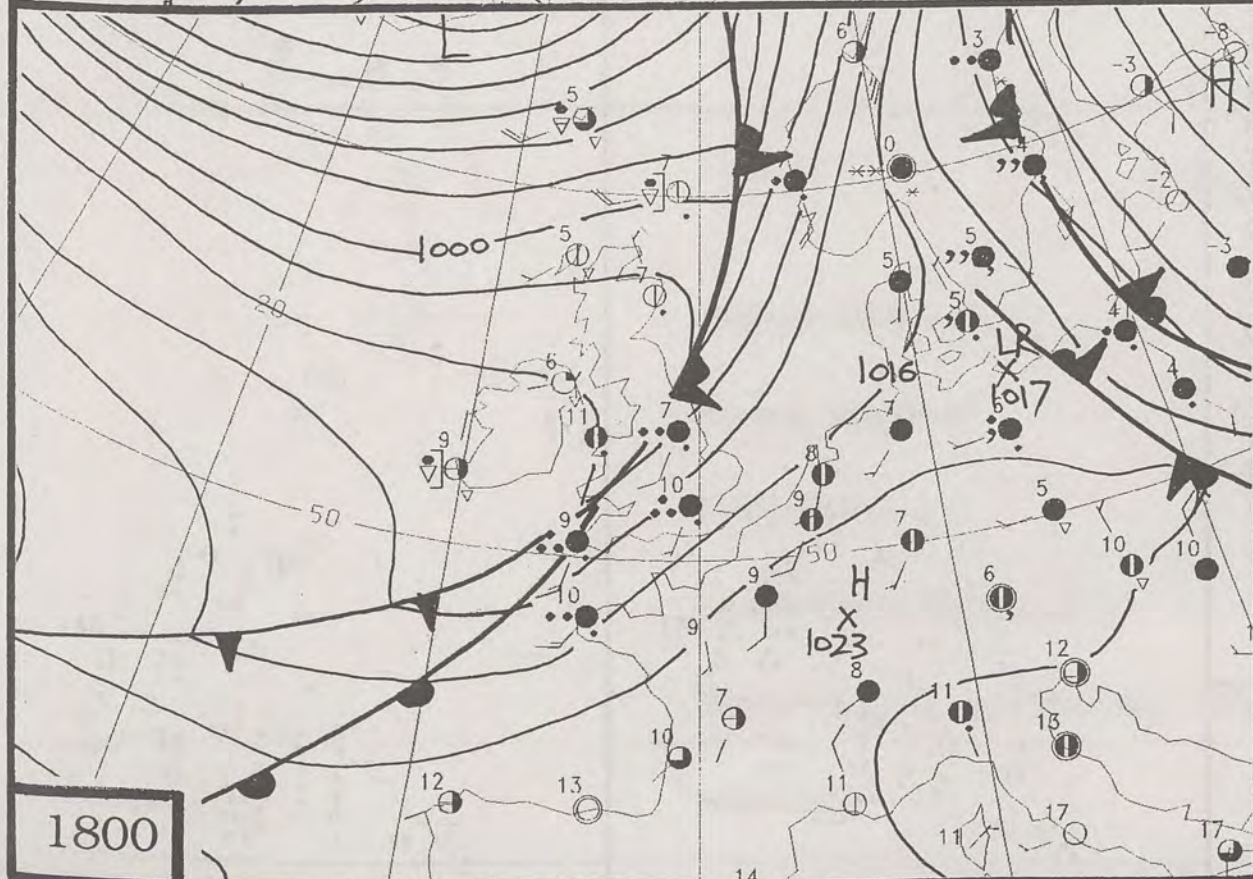
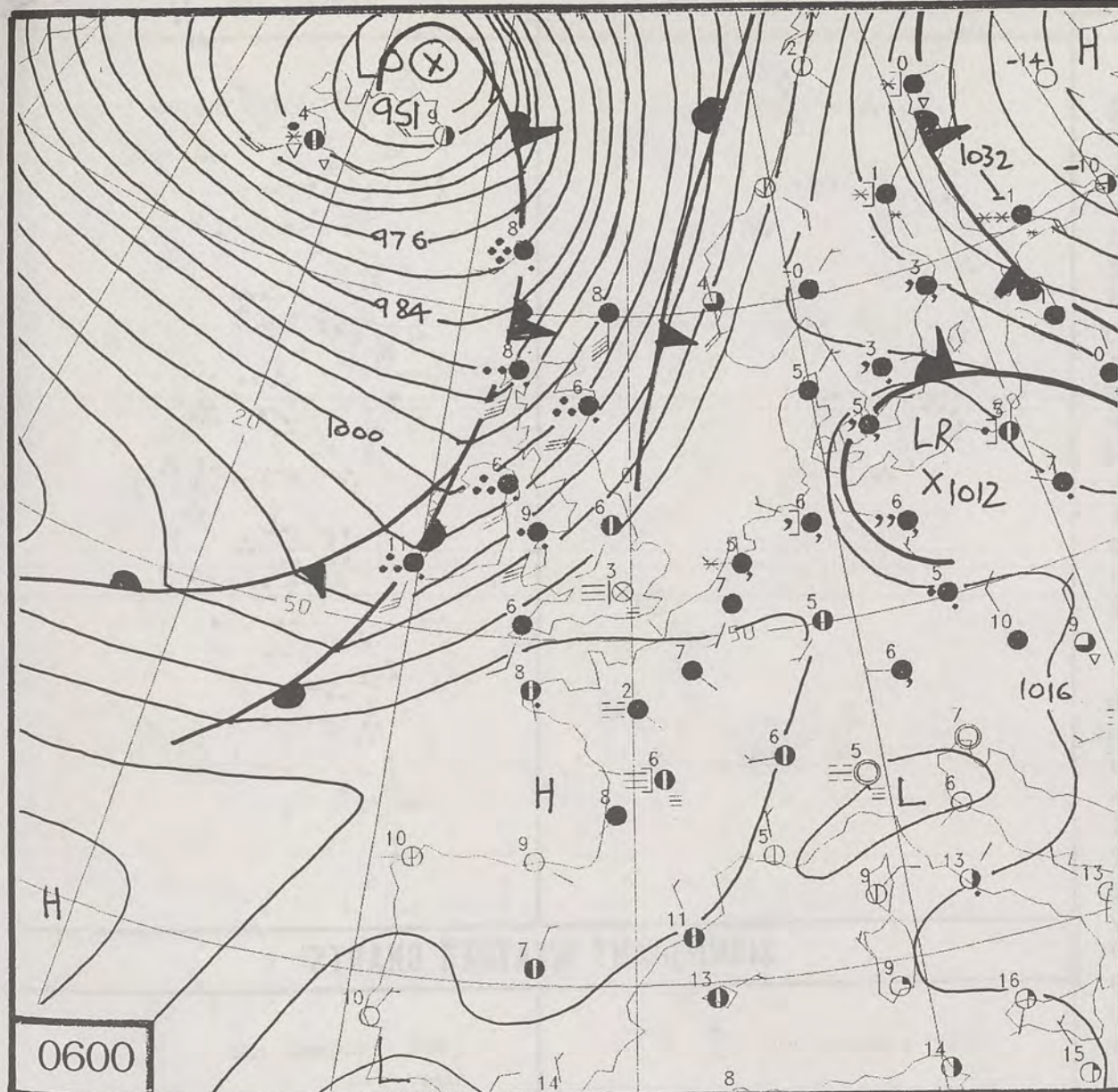
METEOSAT AT 11:30 GMT ON 08/11/93
INFRA-RED



CLOUD-TOP OR LAND/SEA TEMPERATURE

COLD WARM





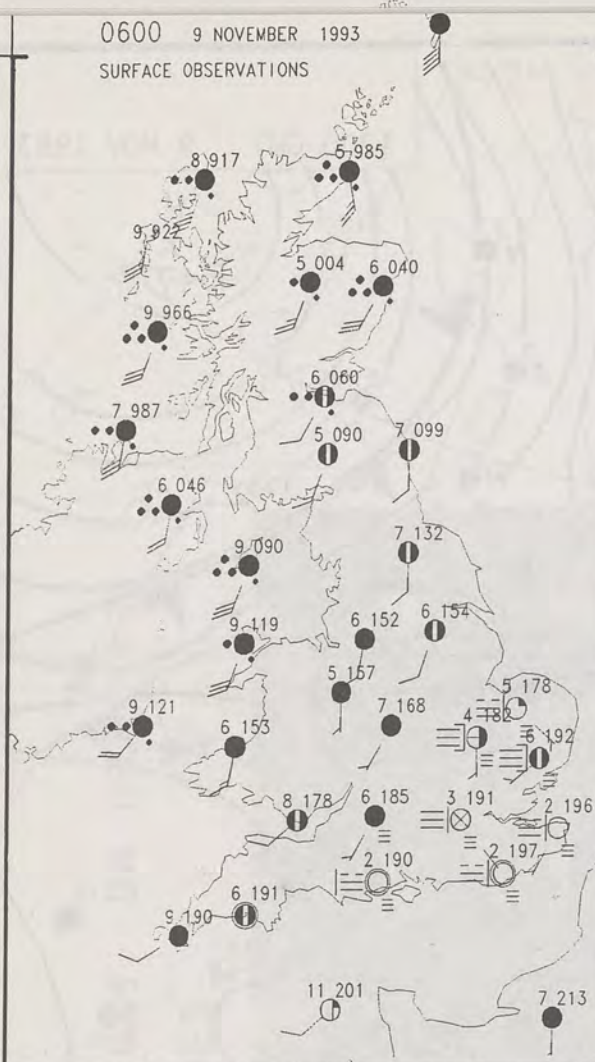
DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Tuesday 9th November 1993

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB

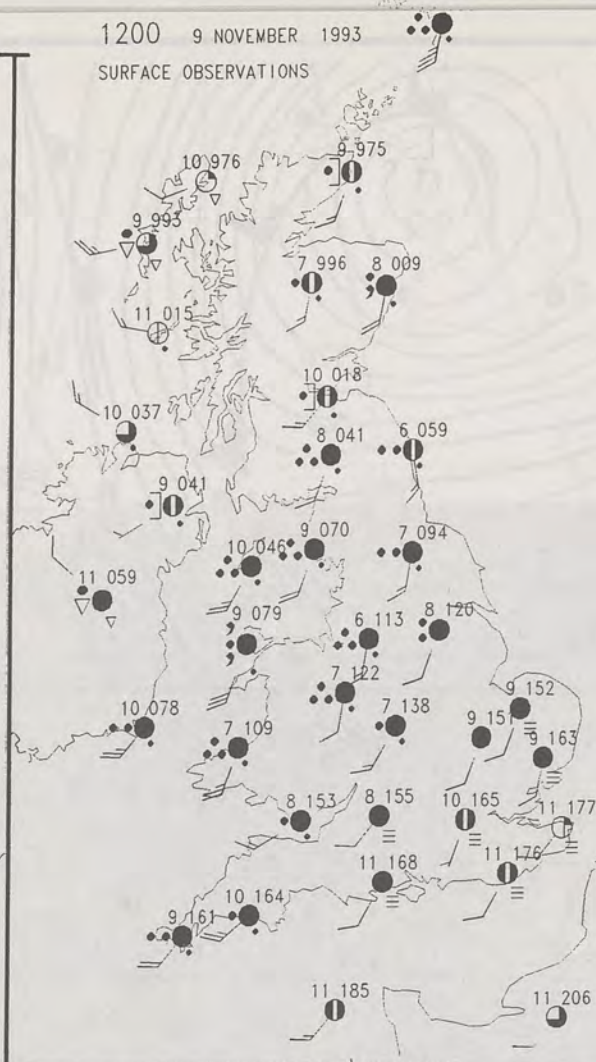


Warm front Cold front Occlusion

0600 9 NOVEMBER 1993
SURFACE OBSERVATIONS

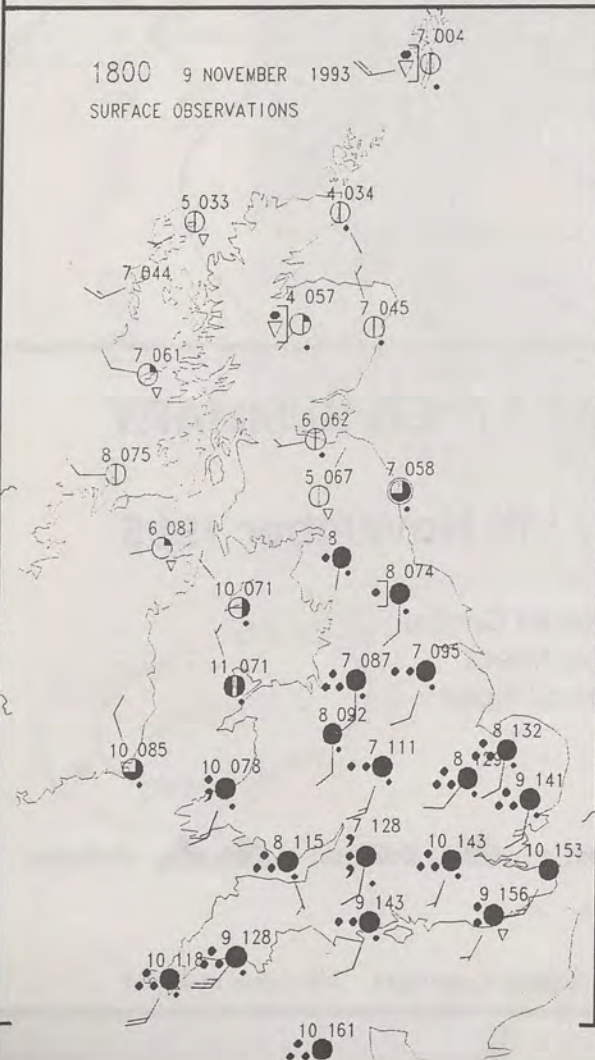


1200 9 NOVEMBER 1993
SURFACE OBSERVATIONS

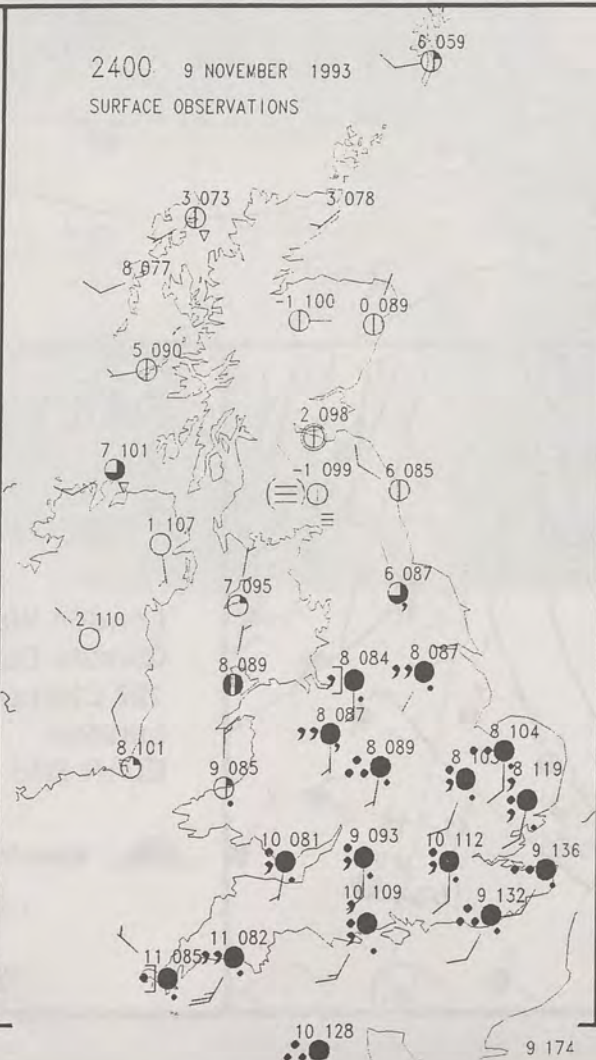


PLOTTED SURFACE OBSERVATIONS

1800 9 NOVEMBER 1993
SURFACE OBSERVATIONS



2400 9 NOVEMBER 1993
SURFACE OBSERVATIONS



SUMMARY OF UK WEATHER TUESDAY 9th November 1993

England and Wales had a dry night with clear spells but there were some mist and fog patches, especially in central and southern areas, by morning. Meanwhile, rain over Northern Ireland and the Western Isles spread steadily eastwards to the rest of Scotland by dawn. Some of the rain was heavy at times and it was a windy night in those wet areas, especially in the north and west where there were gales in places.

During the day the rain continued eastwards and southwards reaching most of Northern England and Wales by the end of the morning and then pushing on the the rest of England by the end of the afternoon. Brighter, showery weather reached Northern Ireland and the Western Isles during the afternoon. The winds eased in the brighter weather.

By the late evening, the clearer skies had pushed across most of Scotland and had reached parts of Northern England. However, over most of England and Wales, outbreaks of rain continued.

Temperatures were generally close to the seasonal average throughout the country although there was a touch of frost in a few parts of central and southern England in the morning.

London Weather Centre

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0600 9 NOVEMBER 1993
SIGWX



1200 9 NOVEMBER 1993
SIGWX



SIGNIFICANT WEATHER CHARTS

1800 9 NOVEMBER 1993
SIGWX



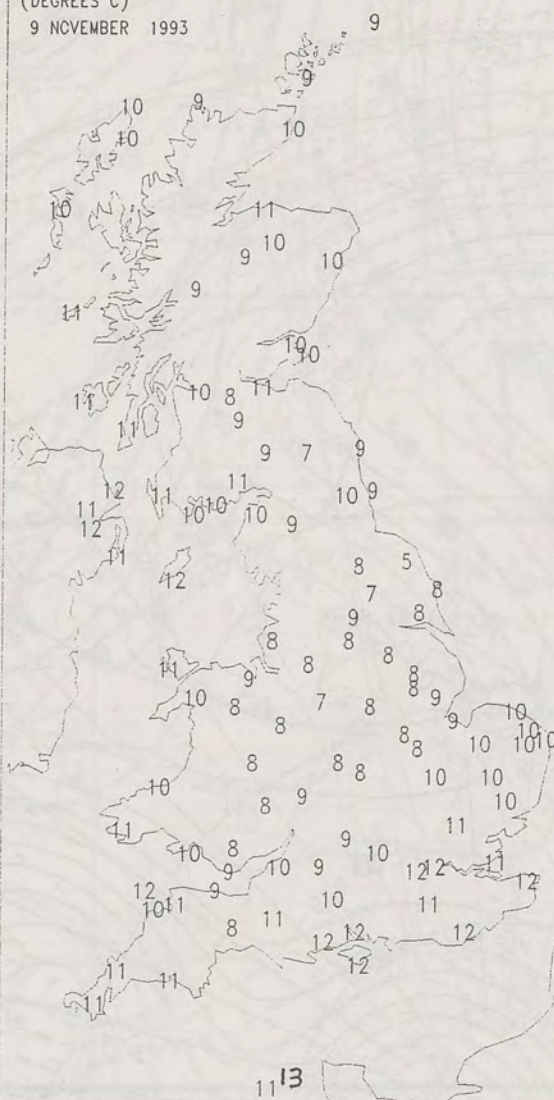
2400 9 NOVEMBER 1993
SIGWX



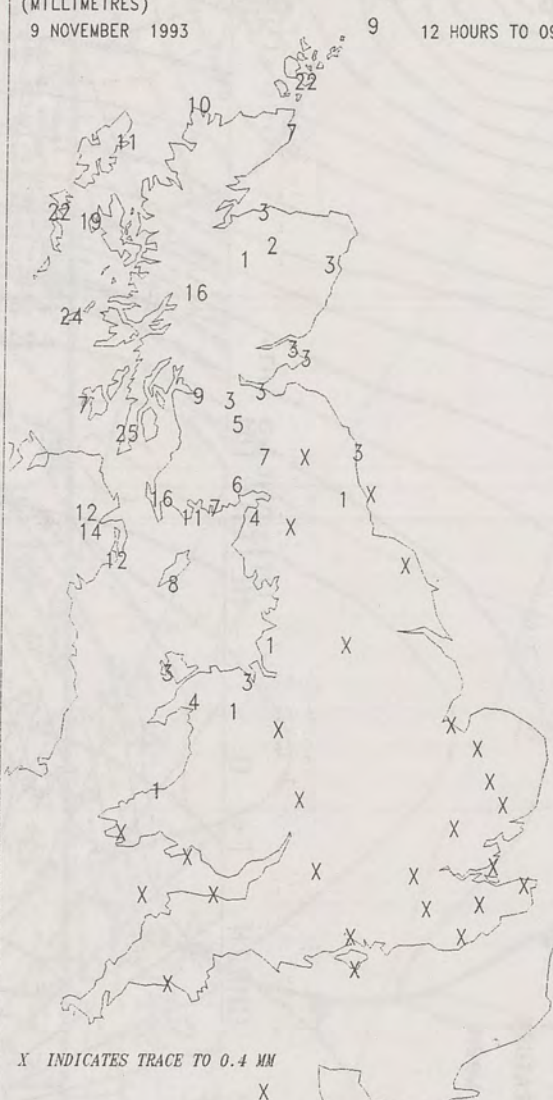
NIGHT MINIMUM TEMPERATURE
(DEGREES C)
9 NOVEMBER 1993



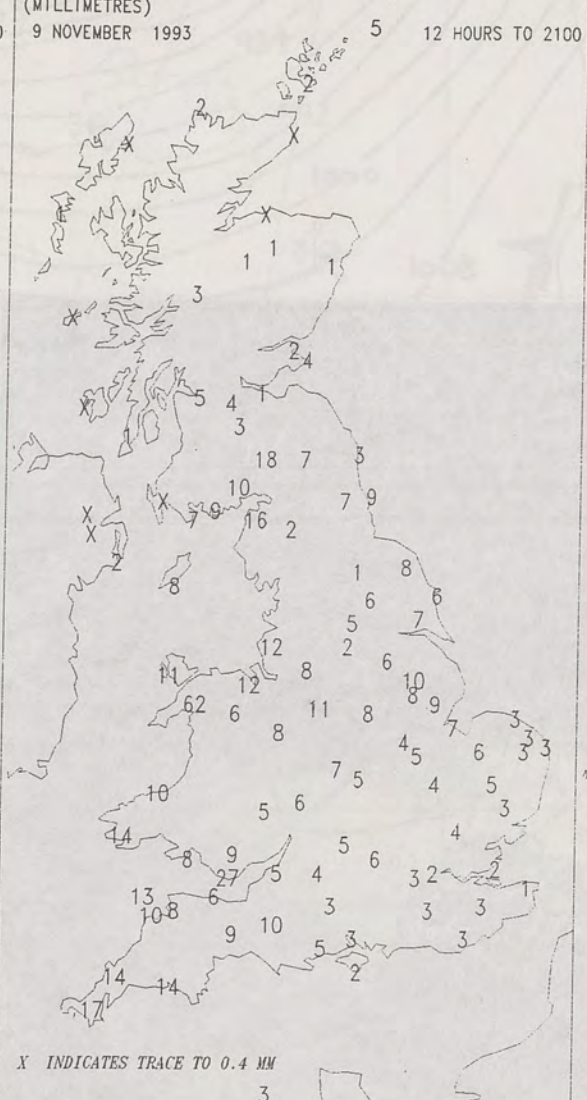
DAY MAXIMUM TEMPERATURE
(DEGREES C)
9 NOVEMBER 1993



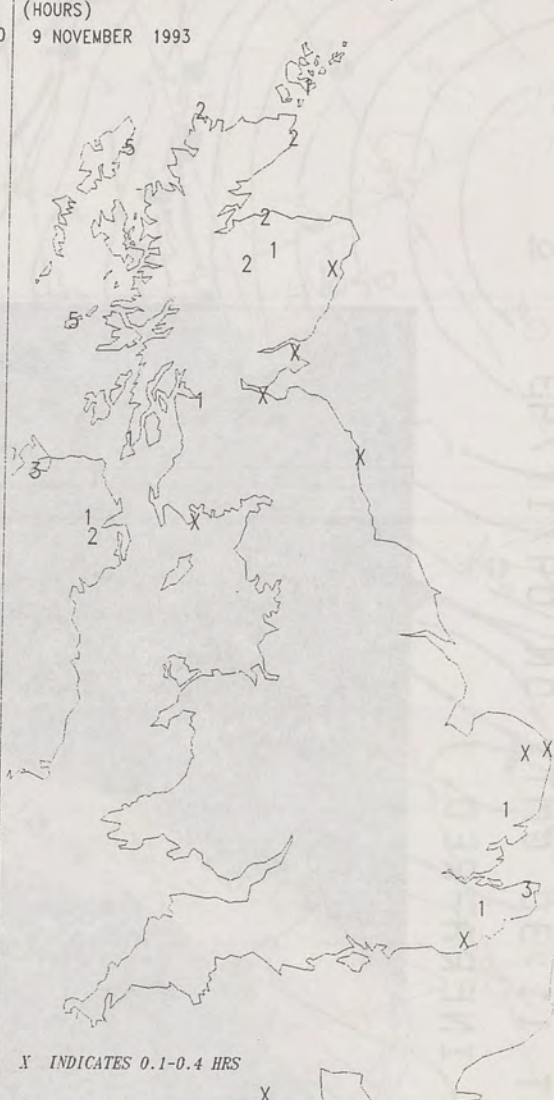
NIGHT RAINFALL
(MILLIMETRES)
9 NOVEMBER 1993



DAY RAINFALL
(MILLIMETRES)
9 NOVEMBER 1993



SUNSHINE (DAWN TO DUSK)
(HOURS)
9 NOVEMBER 1993



EXTREMES FOR TUESDAY 9TH NOVEMBER 1993

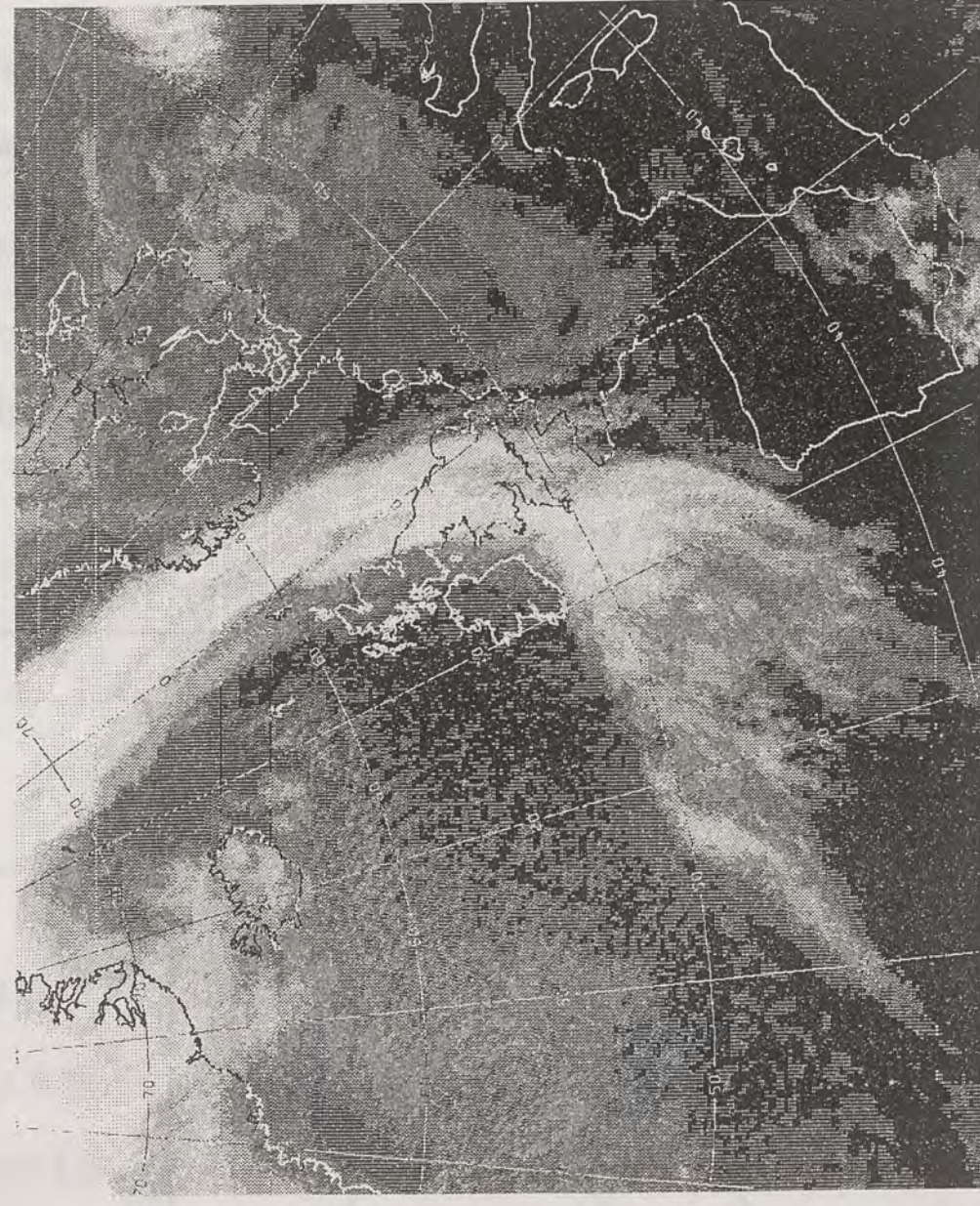
Highest Maximum	: 13.2 C Guernsey [L 'Ancrese]
Lowest Maximum	: 5.3 C Fylingdales [North Yorkshire]
Lowest Minimum	: -2.3 C Beaufort Park [Berkshire]
Lowest Grass Minimum	: -7.0 C Beaufort Park
Most Rain (24 hours from 0900 GMT)	: 61.8 mm Nantmor [Gwynedd]
Most Sun	: 4.7 Hrs Stornoway [Outer Hebrides]

DAILY WEATHER SUMMARY



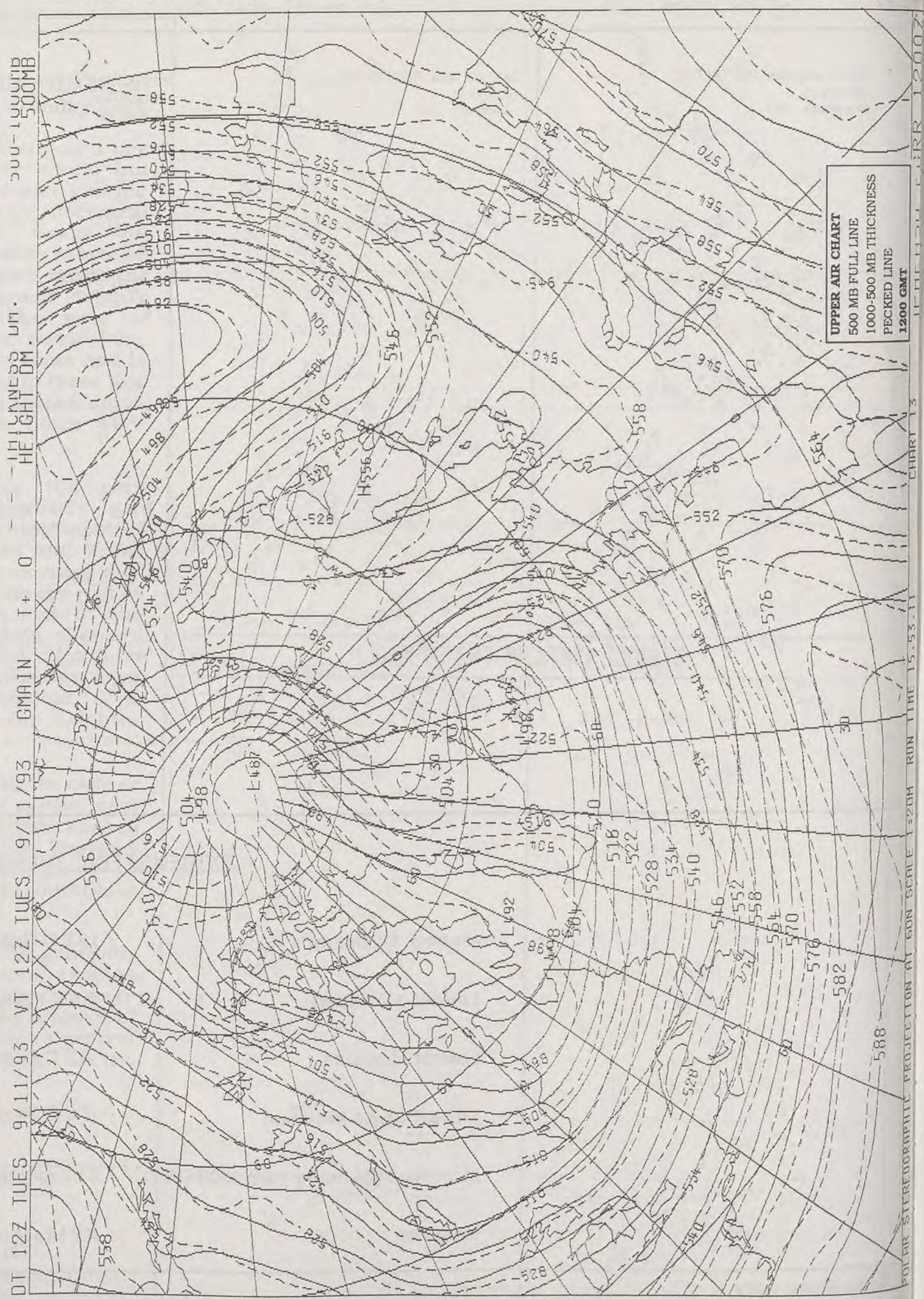
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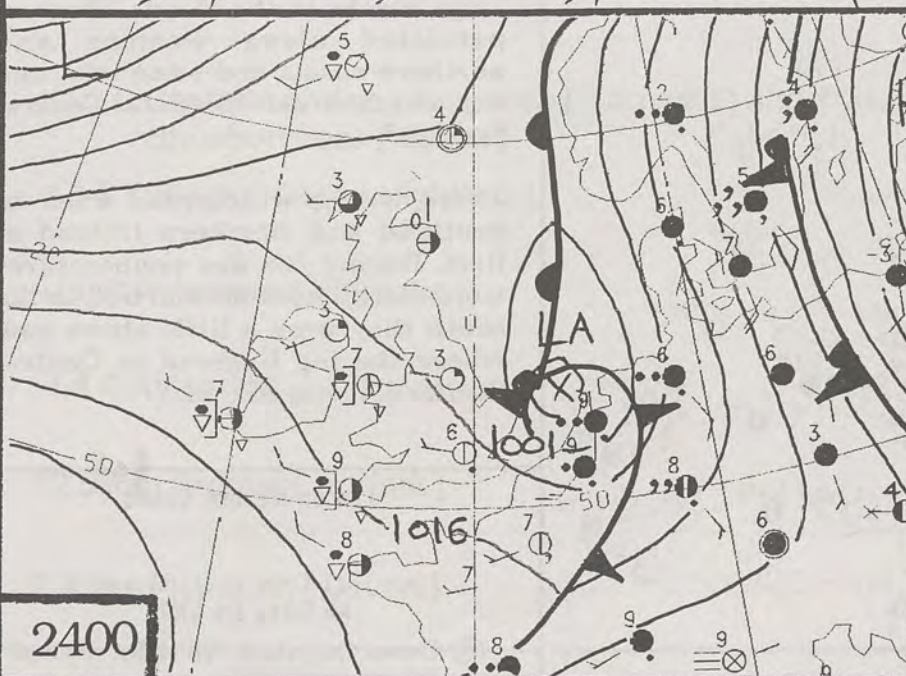
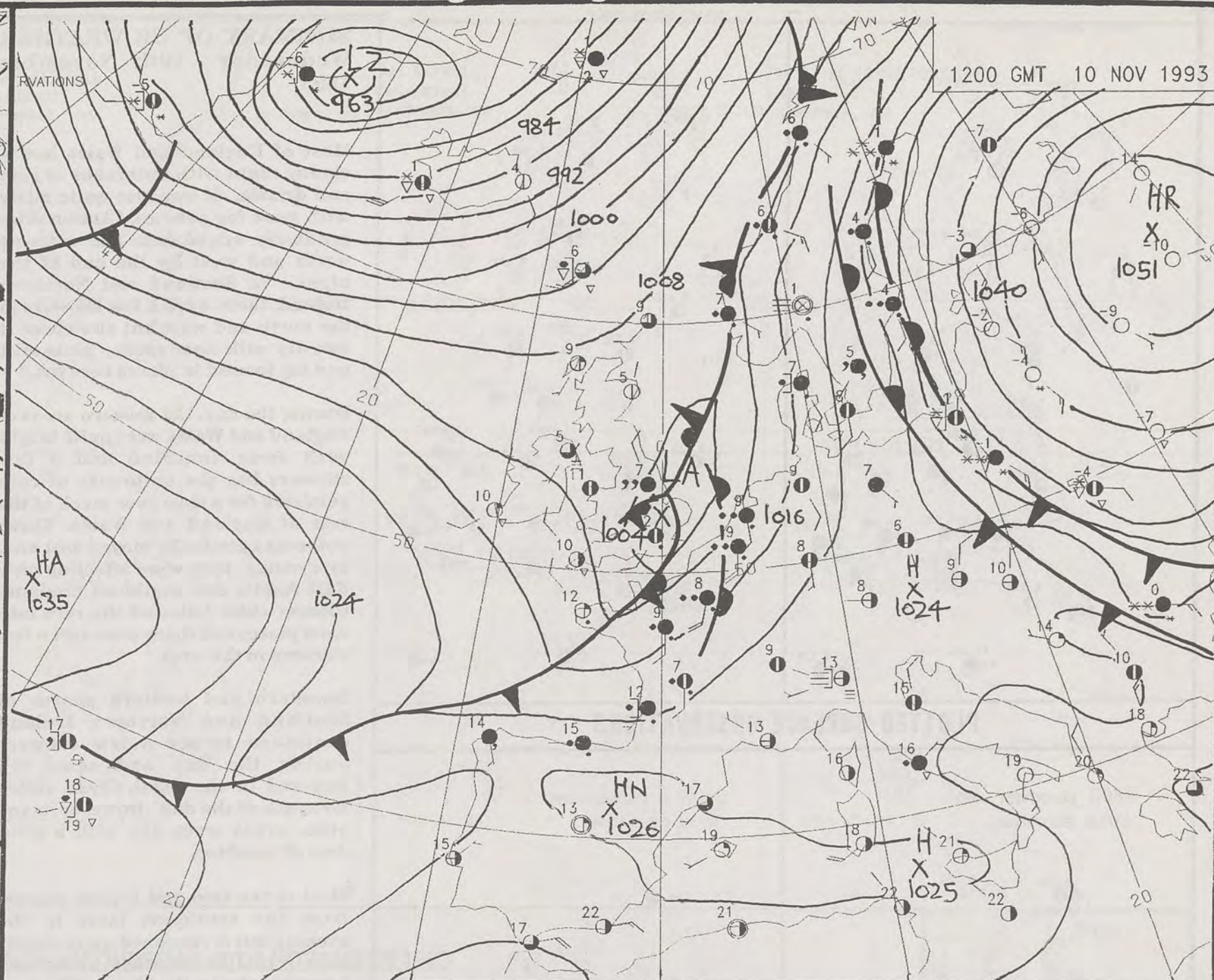
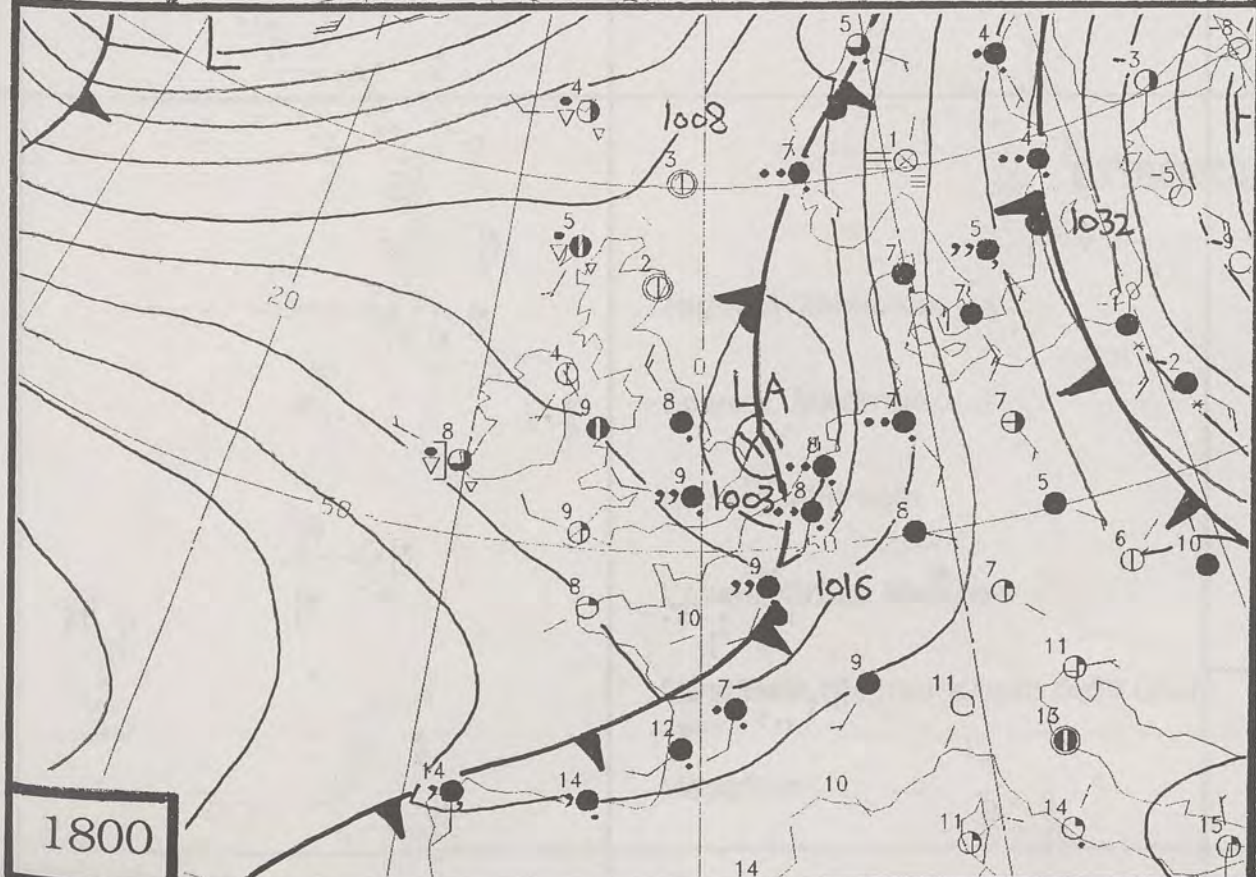
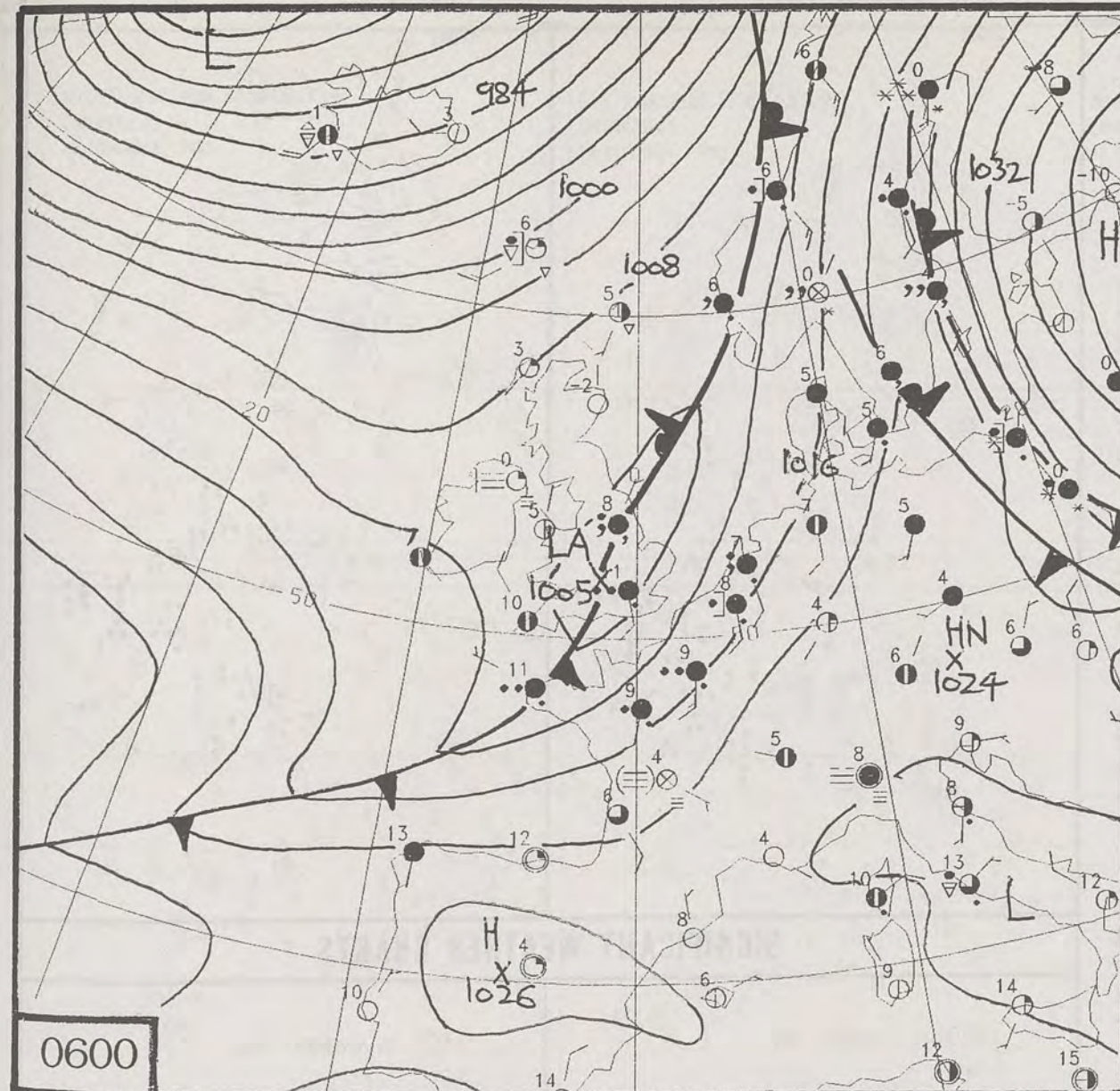
METE05AT AT 11:30 GMT ON 09/11/93
INFRA-RED



CLOUD-TOP OR LAND/SEA TEMPERATURE

COLD WARM





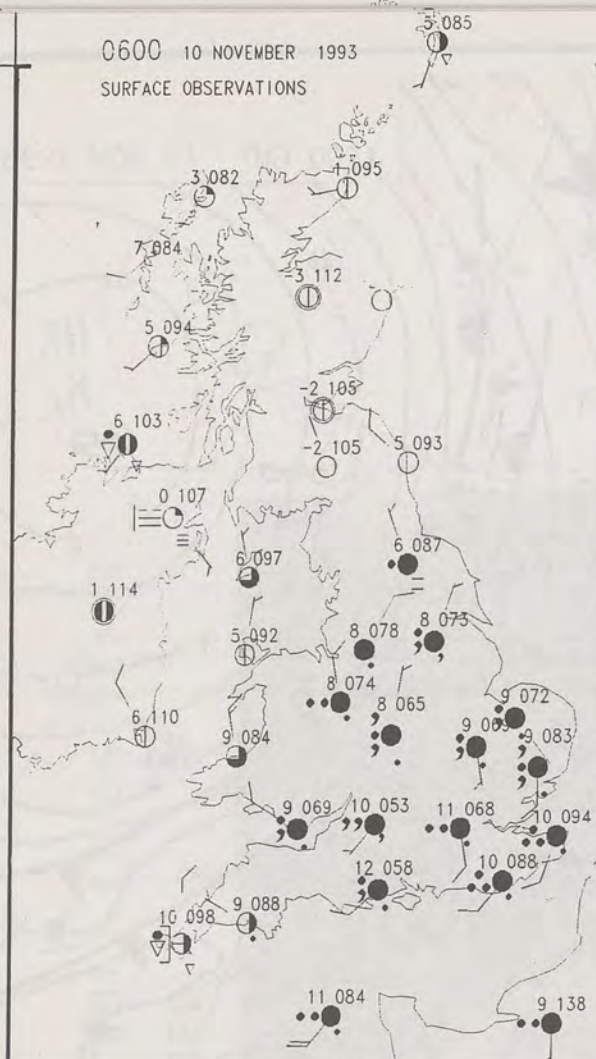
DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Wednesday 10th November 1993

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB

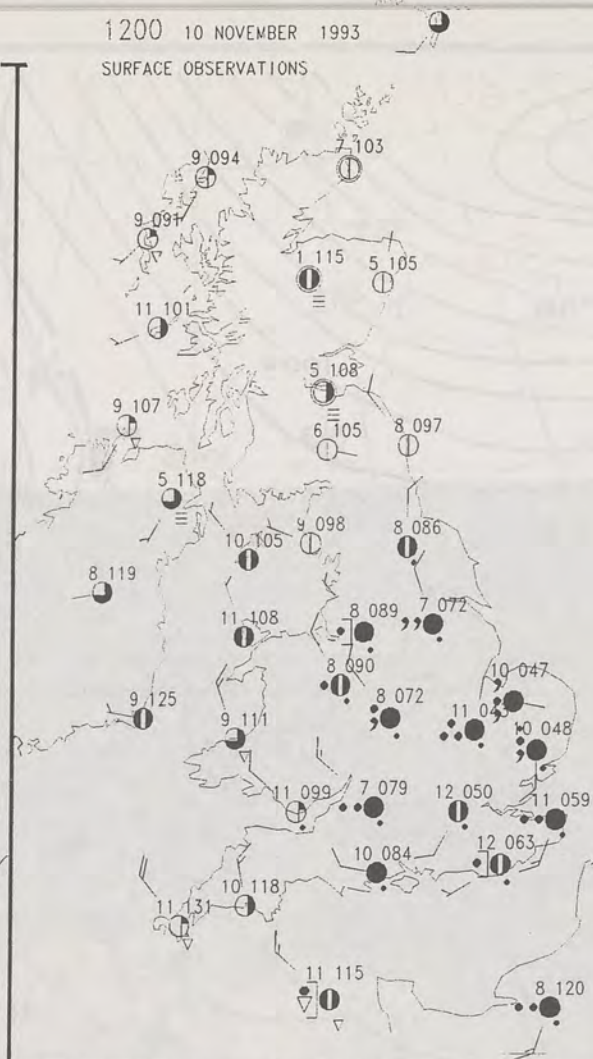


Warm front Cold front Occlusion

0600 10 NOVEMBER 1993
SURFACE OBSERVATIONS

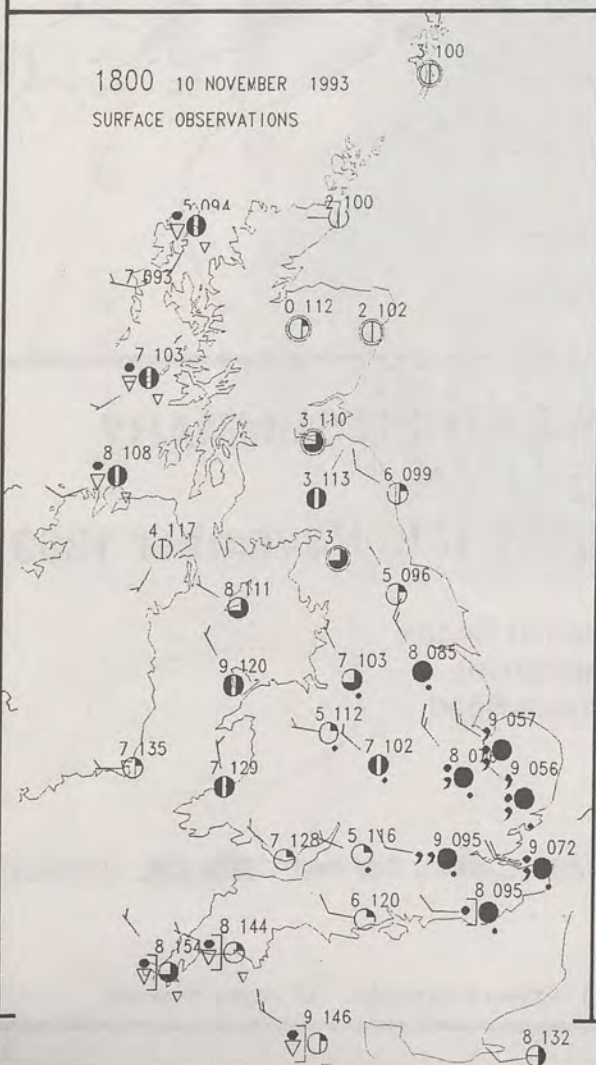


1200 10 NOVEMBER 1993
SURFACE OBSERVATIONS

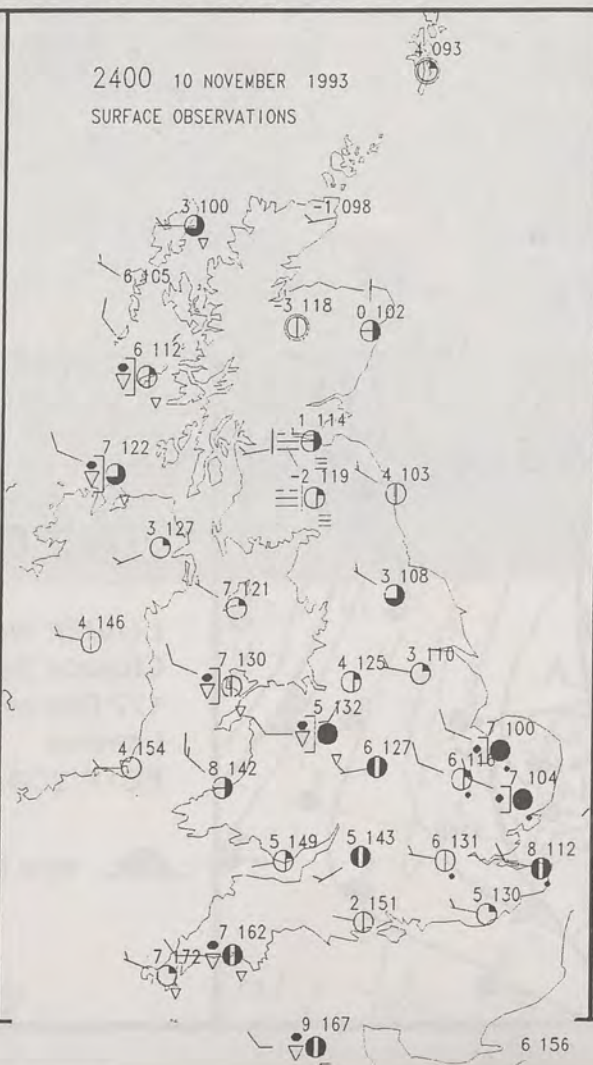


PLOTTED SURFACE OBSERVATIONS

1800 10 NOVEMBER 1993
SURFACE OBSERVATIONS



2400 10 NOVEMBER 1993
SURFACE OBSERVATIONS



SUMMARY OF UK WEATHER Wednesday 10th November 1993

Most of England and Wales had a cloudy night with outbreaks of rain and drizzle. It was also quite misty with some fog patches. Clearer skies gradually edged into the extreme north and west by the end of the night. In Scotland and Northern Ireland, there were a few showers in the north and west but elsewhere it was dry with clear spells. Some mist and fog formed in places here too.

During the day, the western areas of England and Wales were quite bright with some sunshine and a few showers but the outbreaks of rain persisted for a time over much of the rest of England and Wales. These outbreaks gradually moved east and, by evening, they were affecting only East Anglia and southeast England. Clearer skies followed the rain into most places but there were still a few showers in the west.

Northern and western shores of Scotland and Northern Ireland continued to see a few showers during the day and some fog lingered in the Forth-Clyde valley for much of the day. However, many other areas were dry with a good deal of sunshine.

Most of the rain and drizzle cleared from the southeast later in the evening but it remained quite cloudy here while most other areas had large breaks in the cloud. Showers persisted along western and northern coasts and some mist and fog patches reformed in Central Scotland.

There was a widespread frost in Scotland and Northern Ireland at first. During the day temperatures were mostly near normal but, in the south they were a little above and, where the fog lingered in Central Scotland, it stayed cold.

London Weather Centre

All times are GMT

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0600 10 NOVEMBER 1993
SIGWX

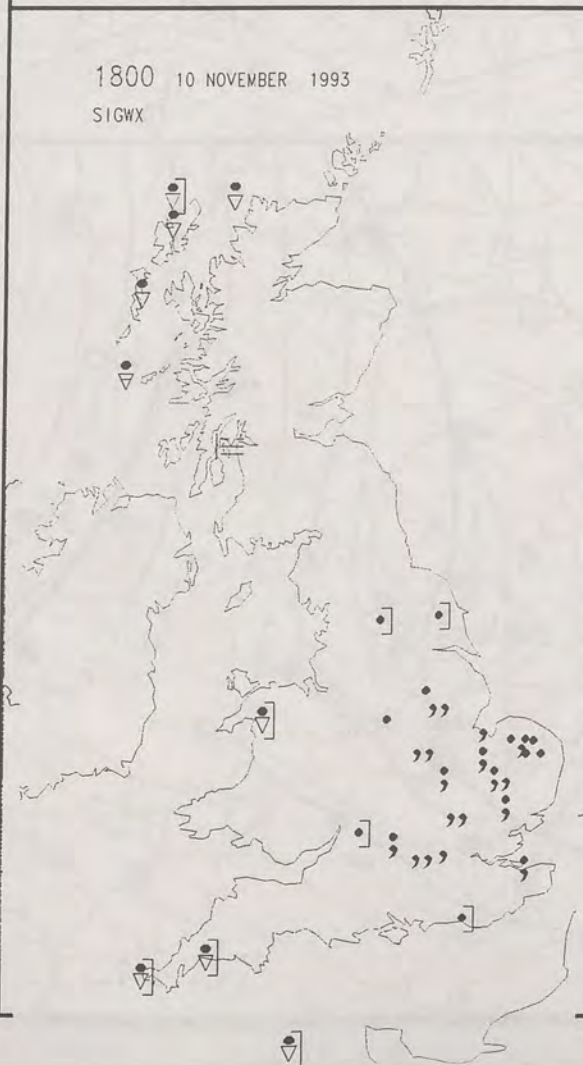


1200 10 NOVEMBER 1993
SIGWX



SIGNIFICANT WEATHER CHARTS

1800 10 NOVEMBER 1993
SIGWX



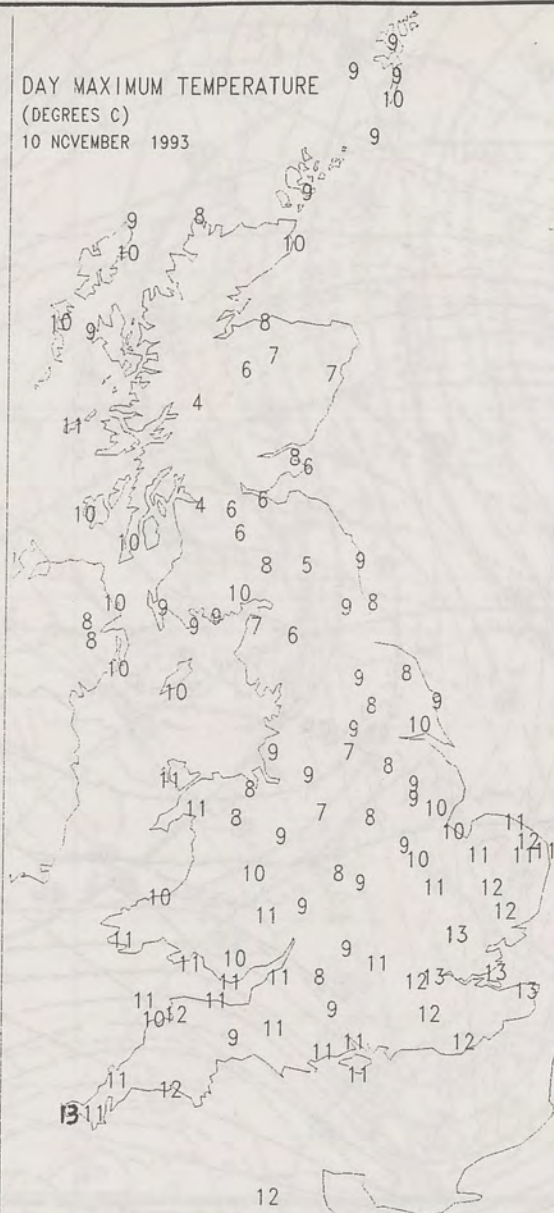
2400 10 NOVEMBER 1993
SIGWX



NIGHT MINIMUM TEMPERATURE
(DEGREES C)
10 NOVEMBER 1993



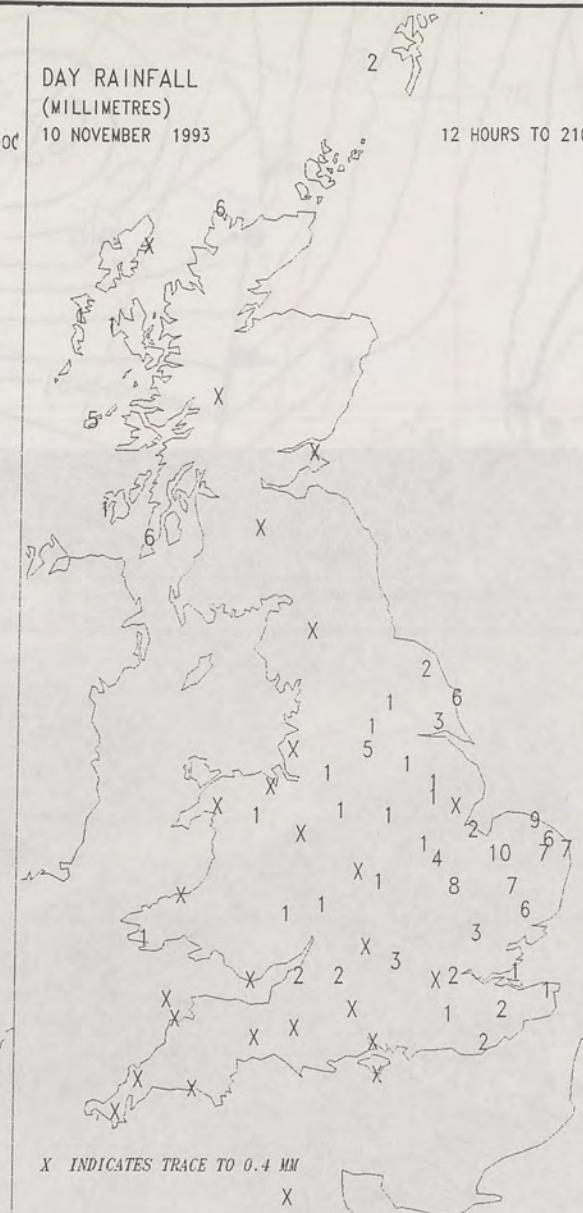
DAY MAXIMUM TEMPERATURE
(DEGREES C)
10 NOVEMBER 1993



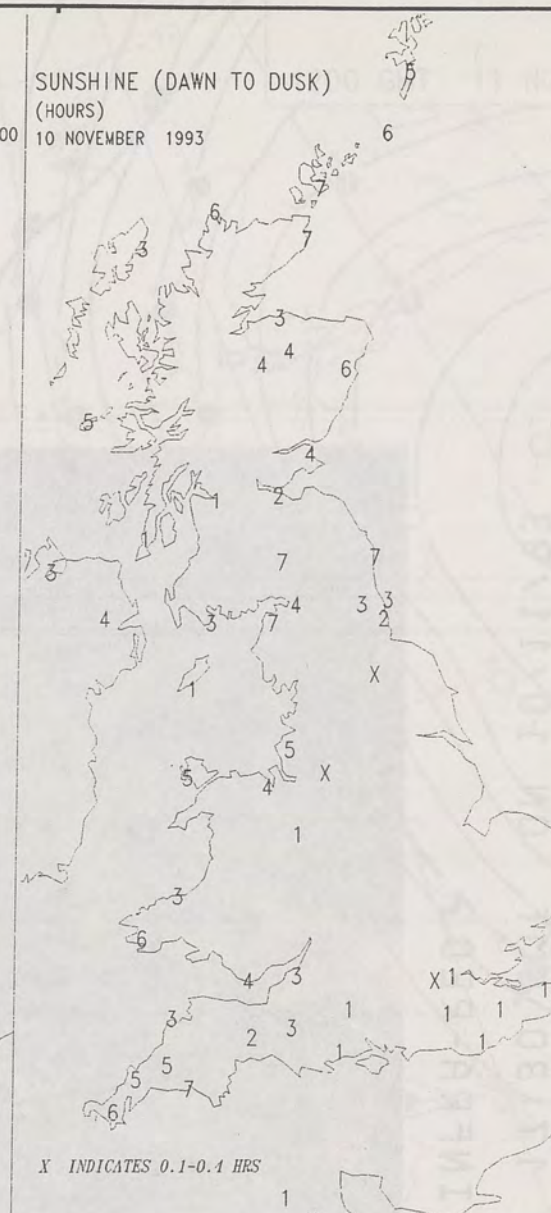
NIGHT RAINFALL
(MILLIMETRES)
10 NOVEMBER 1993



DAY RAINFALL
(MILLIMETRES)
10 NOVEMBER 1993



SUNSHINE (DAWN TO DUSK)
(HOURS)
10 NOVEMBER 1993



EXTREMES FOR WEDNESDAY 10TH NOVEMBER 1993

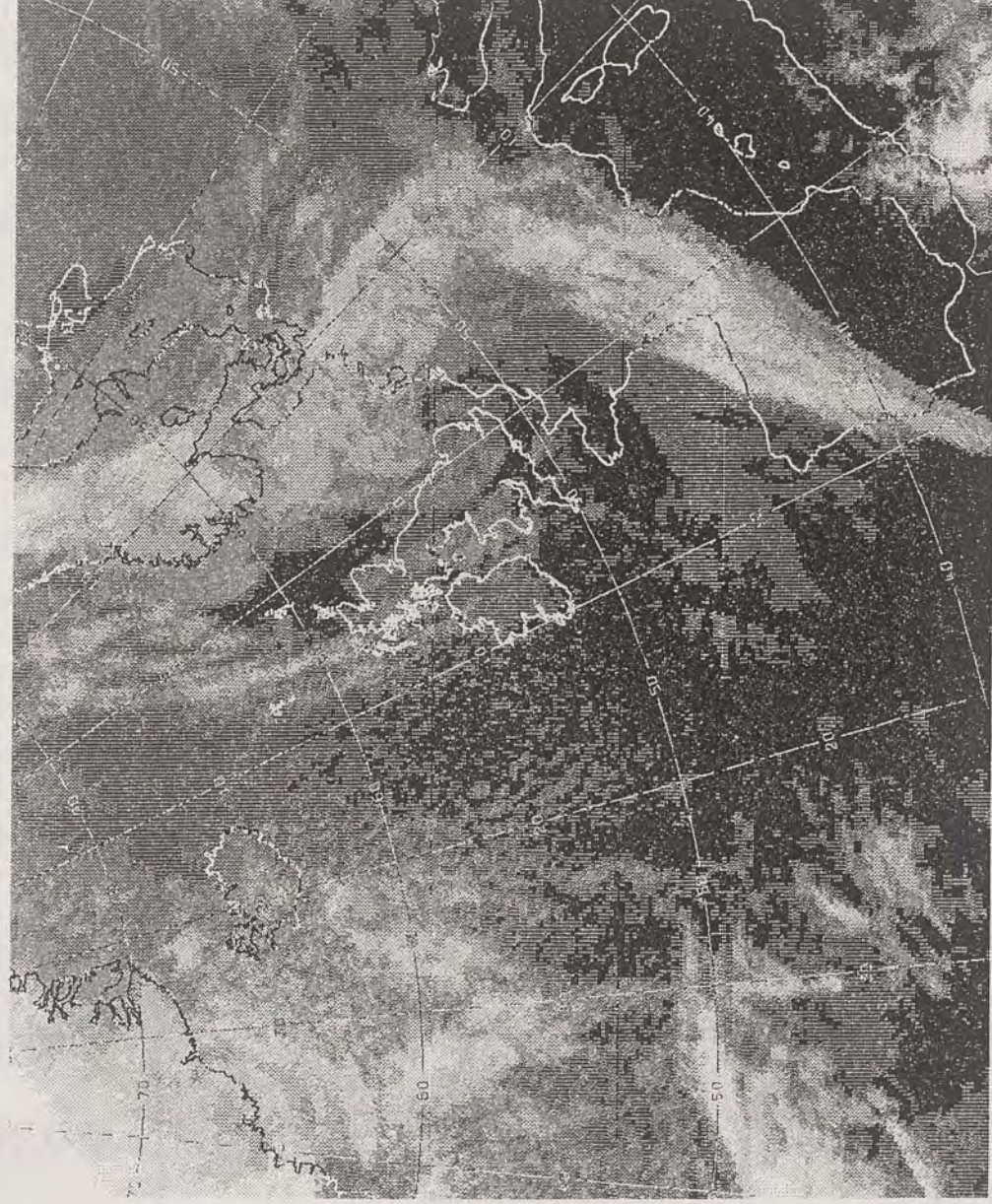
Highest Maximum	: 13.1 C Central London , Penzance [Cornwall] and Shoeburyness [Essex]
Lowest Maximum	: 3.8 C Tulloch Bridge [Highland]
Lowest Minimum	: -4.0 C Aviemore [Highland]
Lowest Grass Minimum	: -7.8 C Aviemore
Most Rain (24 hours from 0900 GMT)	: 22.5 mm Cromer [Norfolk]
Most Sun	: 7.4 Hrs Plymouth [Devon]

**DAILY
WEATHER
SUMMARY**



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METEOSAT AT 17:30 GMT ON 10/11/93
INFRA-RED



CLOUD-TOP OR LAND/SEA TEMPERATURE

COLD WARM

DT 12Z WED 10/11/93 VT 12Z WED 10/11/93 GMTIN - + C HE GHT DM. 500MB

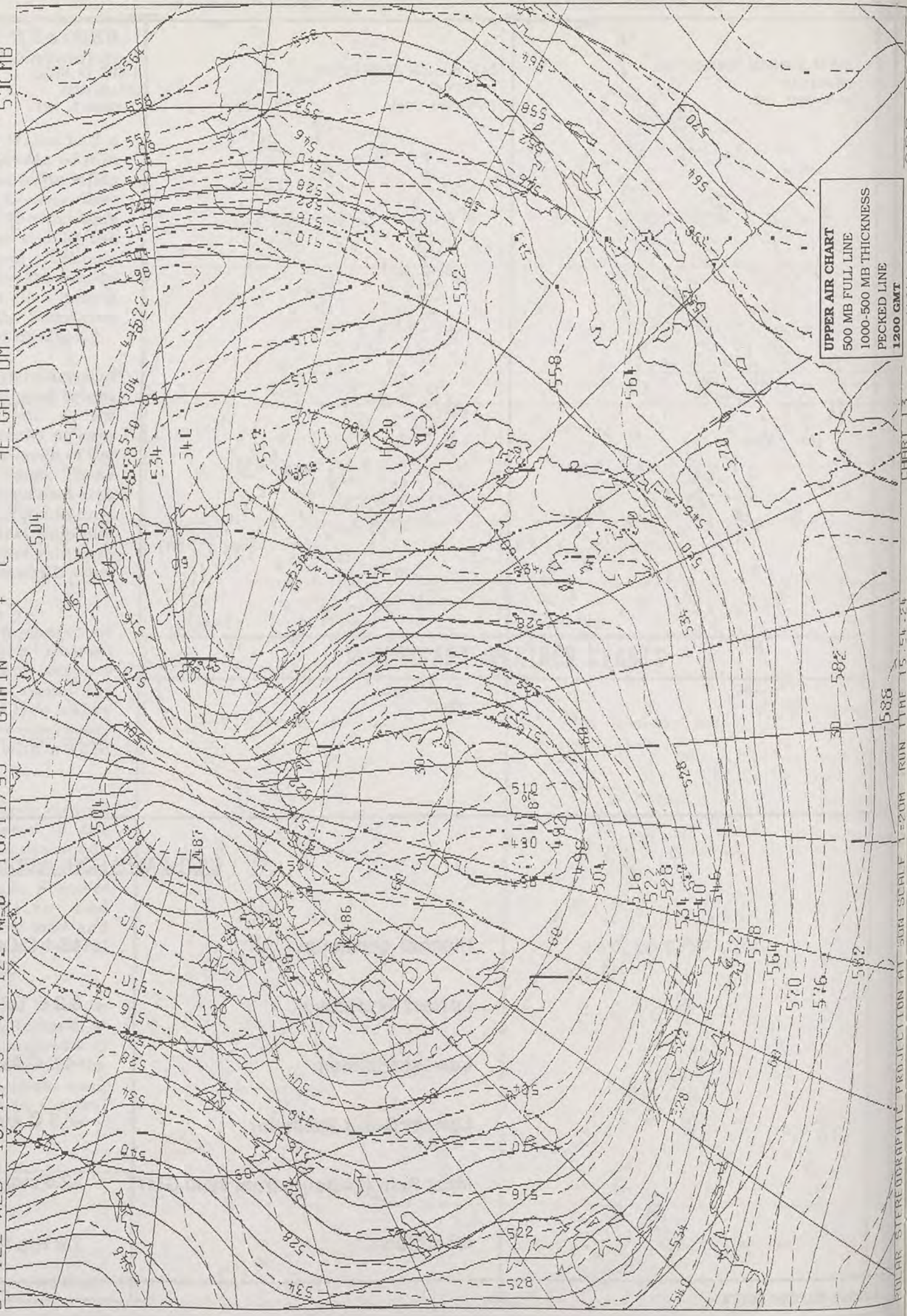
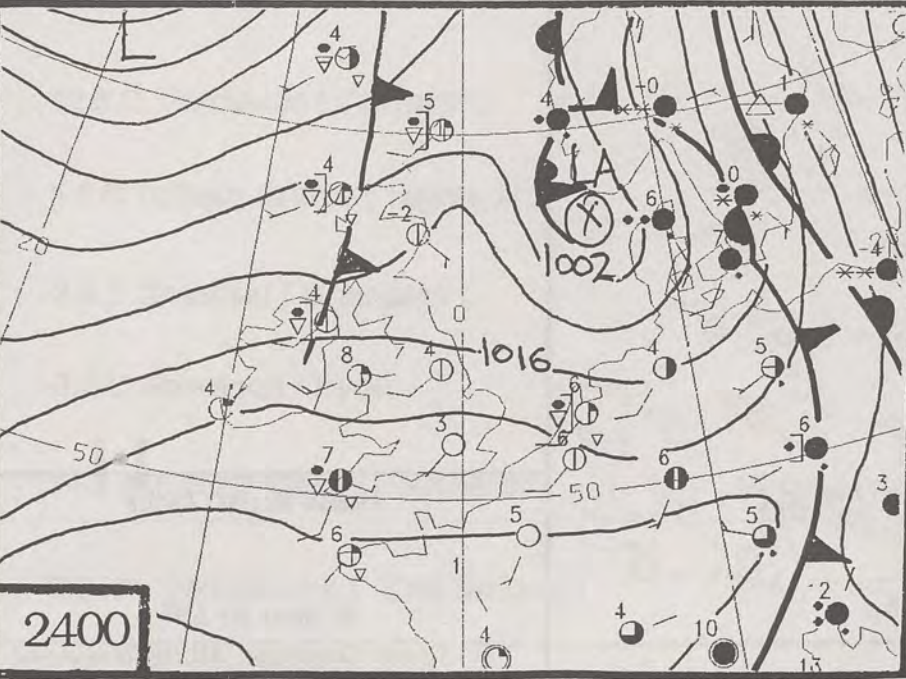
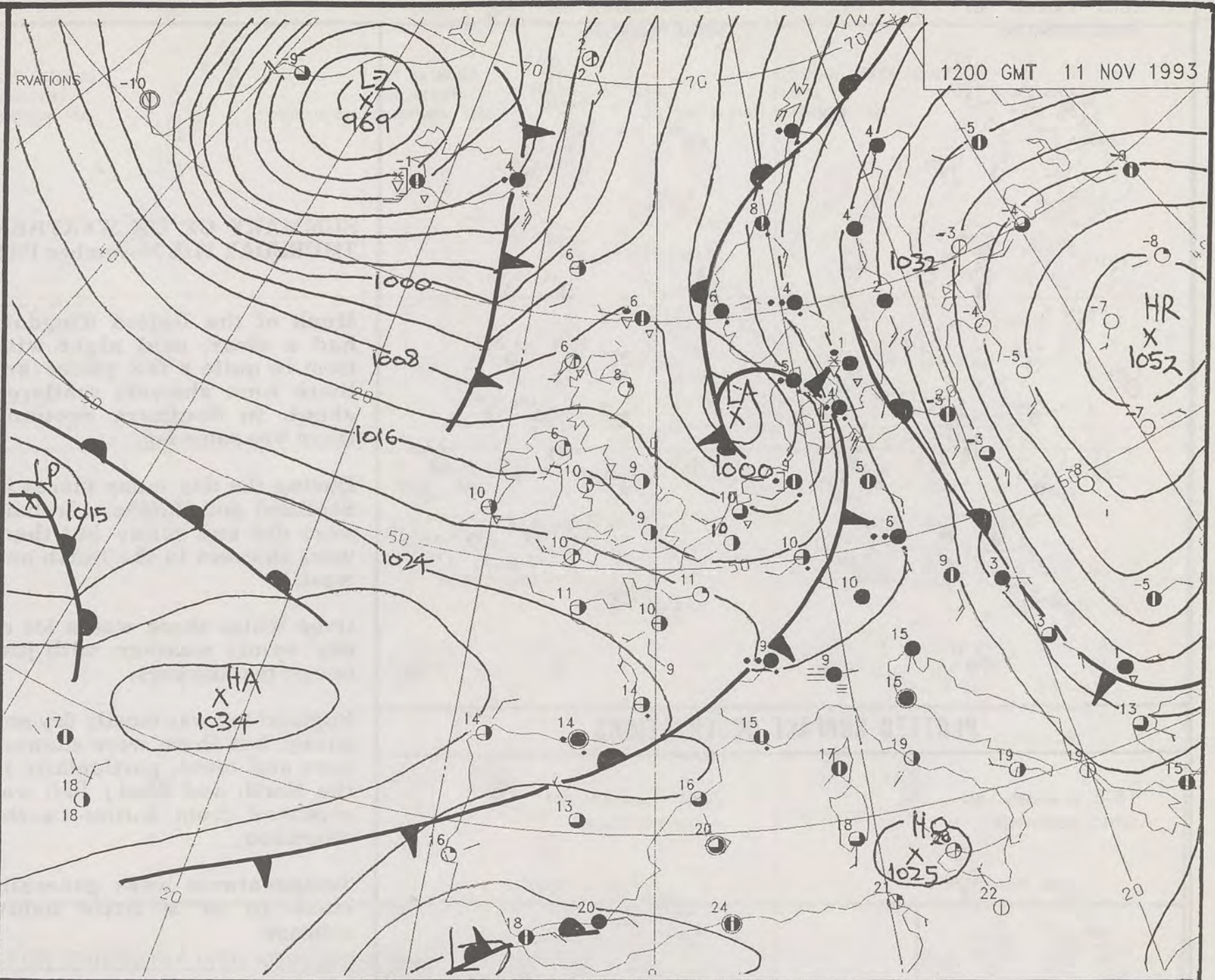
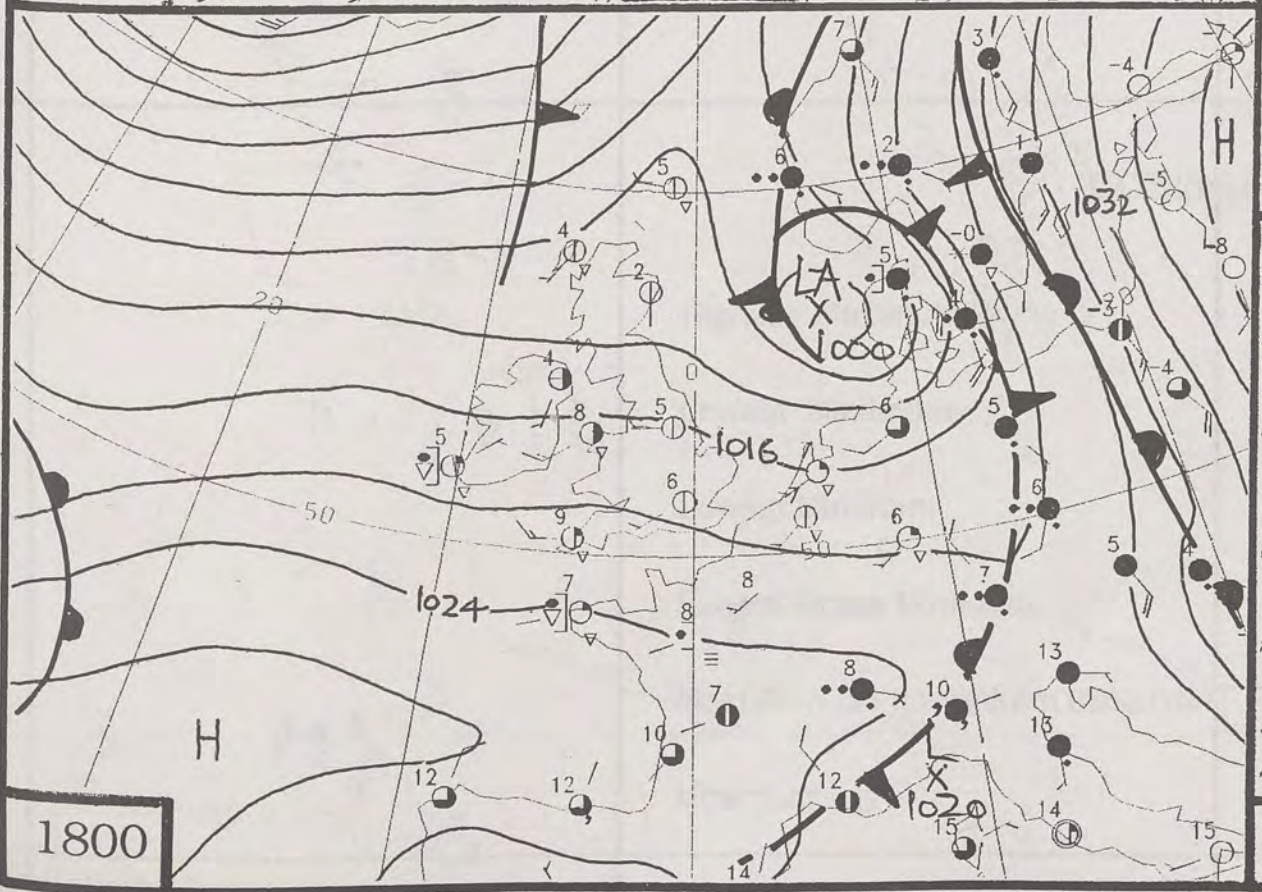
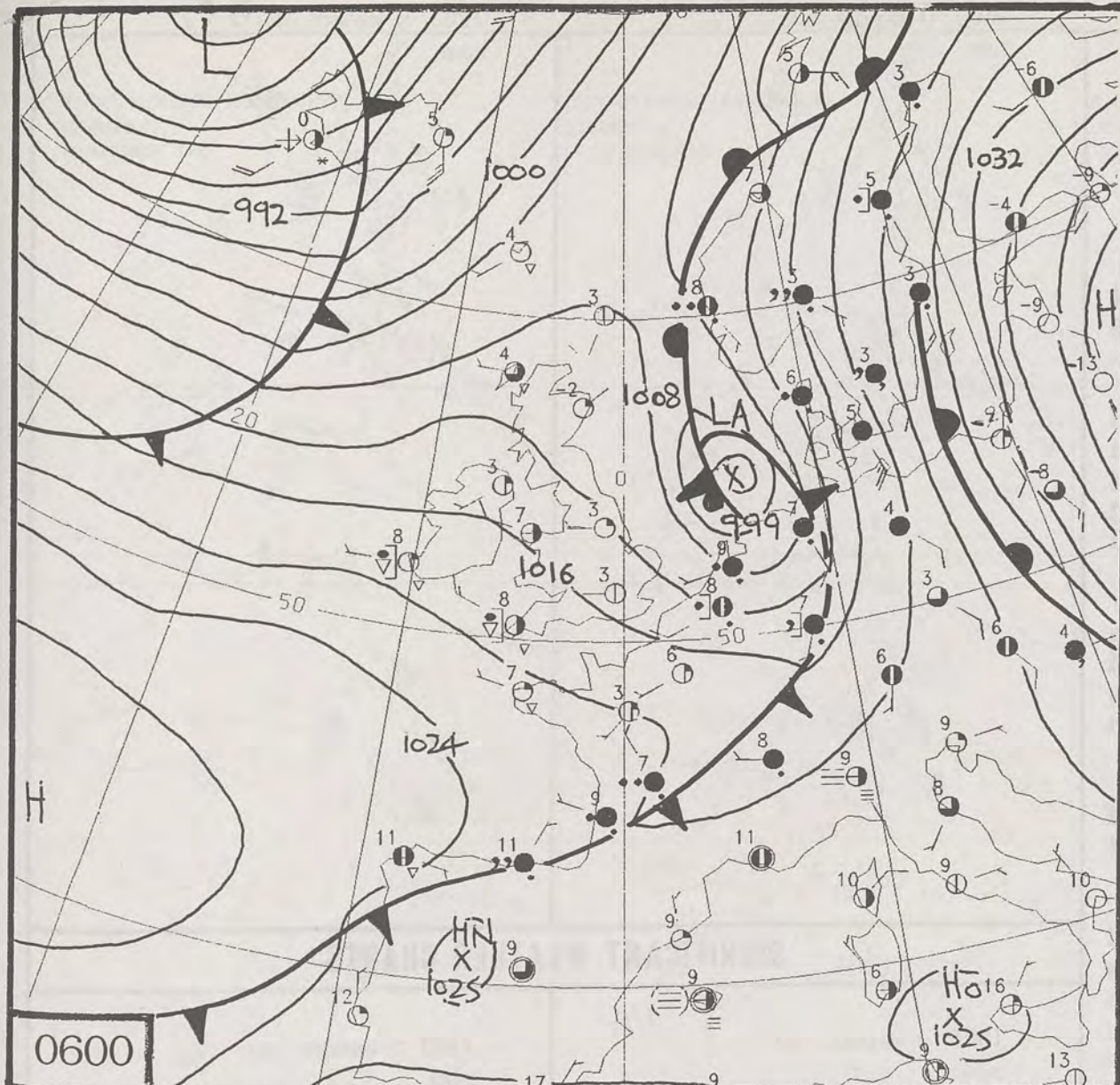


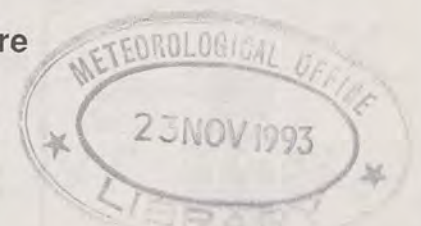
CHART 13 2004 RUN TIME 15.54.24

1000 500 MILES
PECKED LINE
1200 GMT
CHART 13
588
POLAR STEREOGRAPHIC PROJECTION AT 50M SCALE
1200M RUN TIME 15.54.24



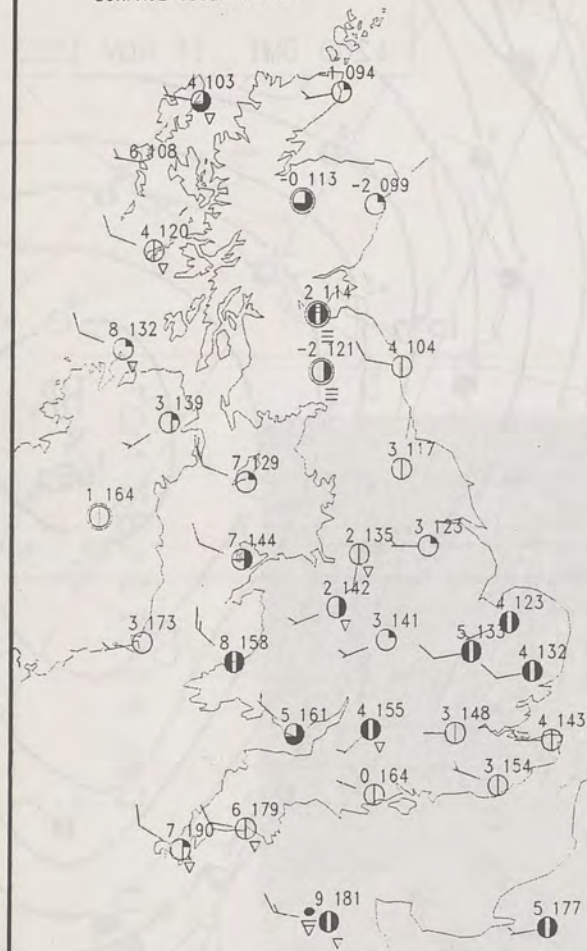
DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Thursday 11th November 1993

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB

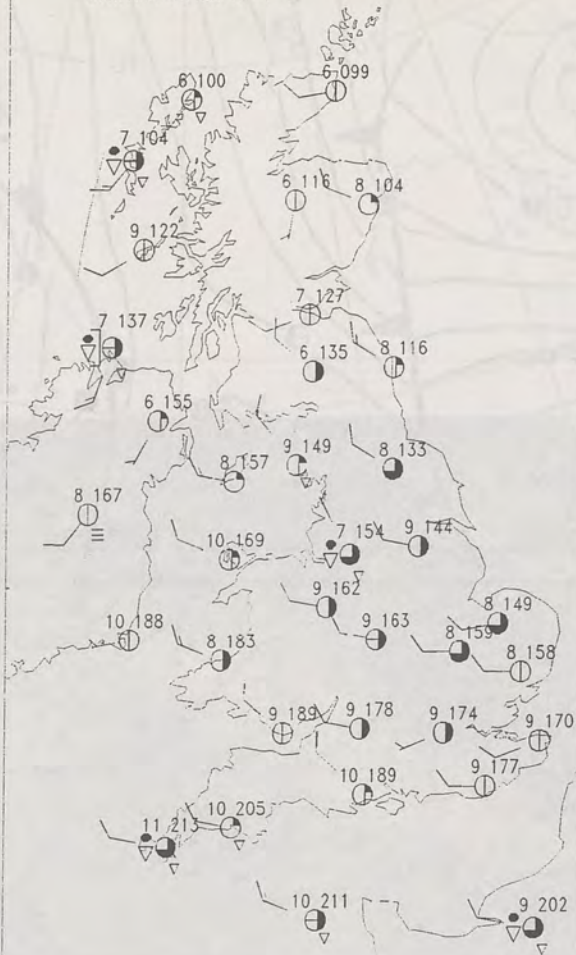


Warm front Cold front Occlusion

0600 11 NOVEMBER 1993
SURFACE OBSERVATIONS

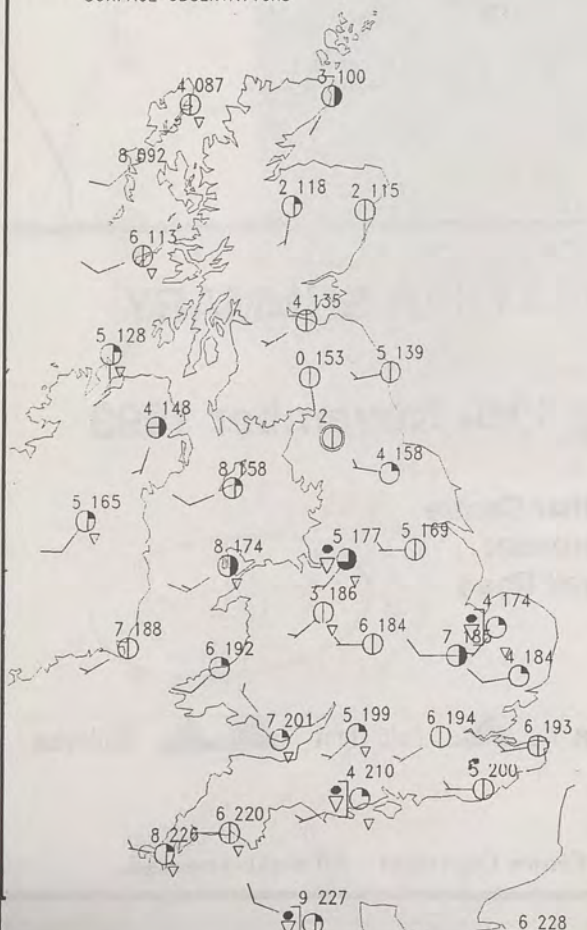


1200 11 NOVEMBER 1993
SURFACE OBSERVATIONS

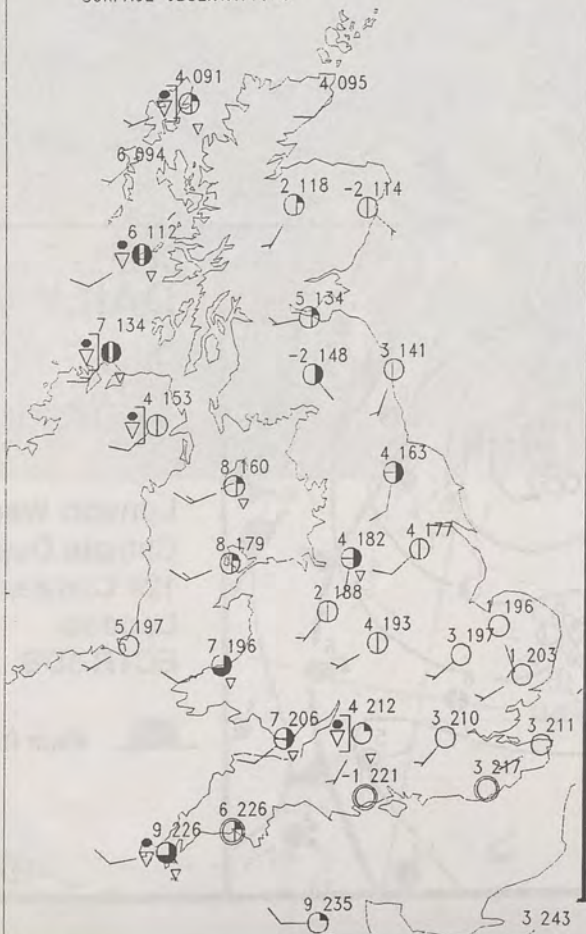


PLOTTED SURFACE OBSERVATIONS

1800 11 NOVEMBER 1993
SURFACE OBSERVATIONS



2400 11 NOVEMBER 1993
SURFACE OBSERVATIONS



SUMMARY OF UK WEATHER THURSDAY 11th November 1993

Much of the United Kingdom had a clear, cold night with frost in quite a few places, but there were showers scattered about. In Southern Scotland there was some fog.

During the day many places in Scotland and Northern Ireland were dry and sunny, but there were showers in the North and West.

Over Wales there was a lot of dry, sunny weather with just one or two showers.

England too was mostly dry and sunny, but there were showers here and there, particularly in the North and West; hail was reported from Luton in the afternoon.

Temperatures were generally close to or a little below average.

London Weather Centre

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0600 11 NOVEMBER 1993
SIGWX



1200 11 NOVEMBER 1993
SIGWX



SIGNIFICANT WEATHER CHARTS

1800 11 NOVEMBER 1993
SIGWX



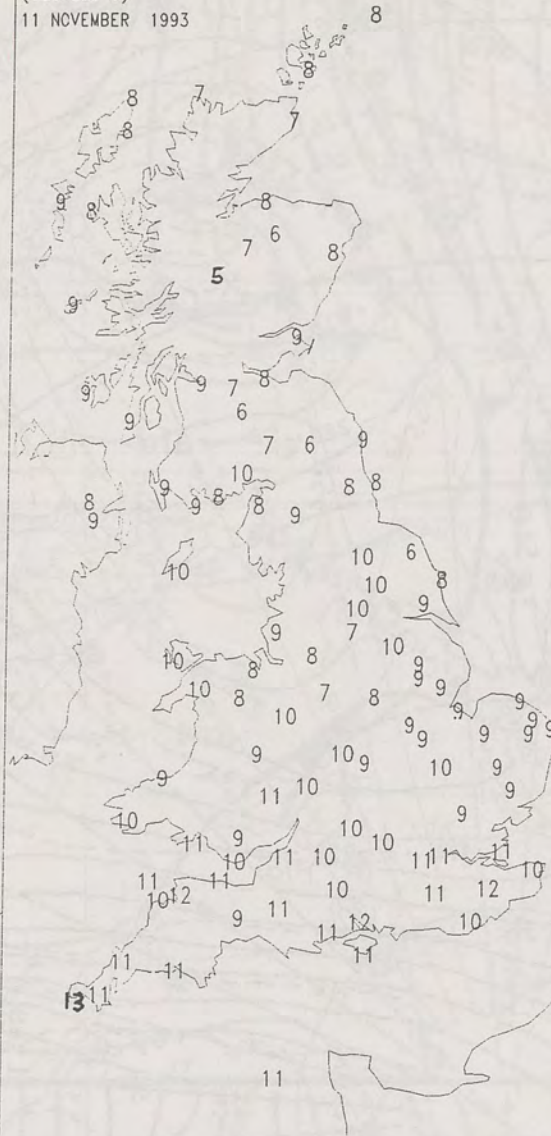
2400 11 NOVEMBER 1993
SIGWX



NIGHT MINIMUM TEMPERATURE
(DEGREES C)
11 NOVEMBER 1993



DAY MAXIMUM TEMPERATURE
(DEGREES C)
11 NOVEMBER 1993



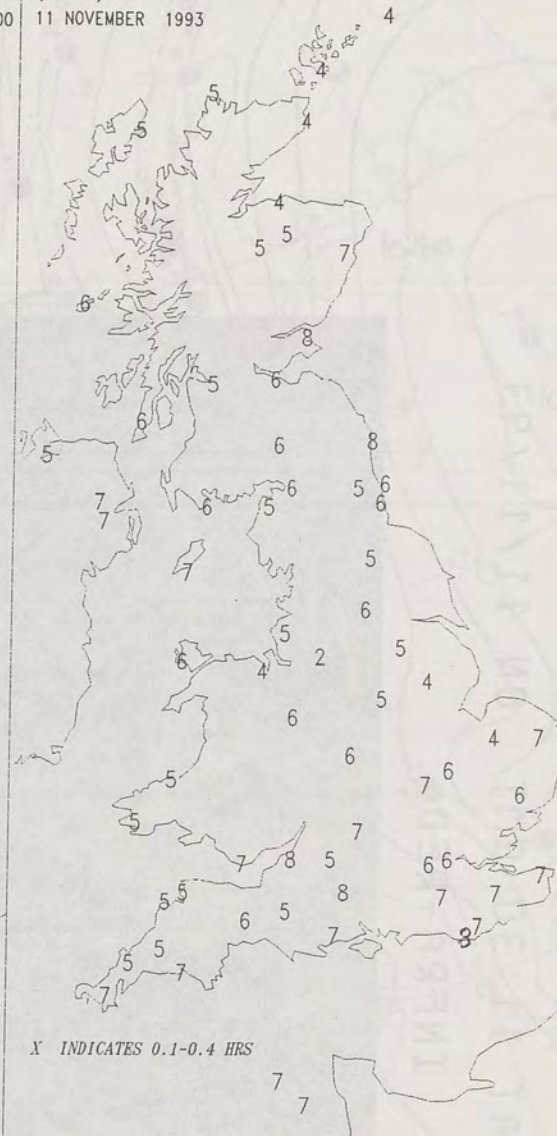
NIGHT RAINFALL
(MILLIMETRES)
11 NOVEMBER 1993



DAY RAINFALL
(MILLIMETRES)
11 NOVEMBER 1993



SUNSHINE (DAWN TO DUSK)
(HOURS)
11 NOVEMBER 1993



EXTREMES FOR THURSDAY 11TH NOVEMBER 1993

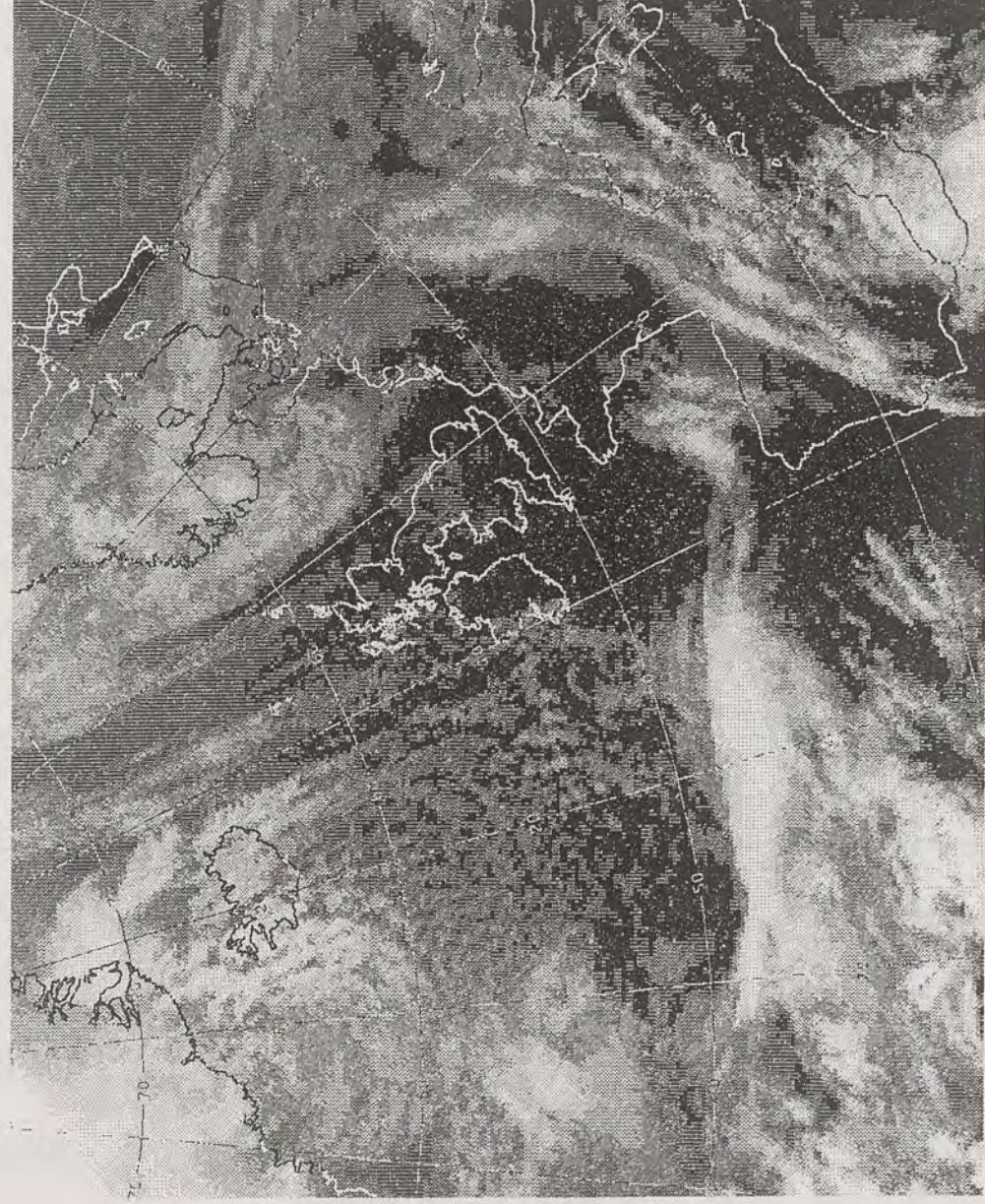
Highest Maximum	: 12.5 C Penzance [Cornwall]
Lowest Maximum	: 5.5 C Tulloch Bridge [Highland]
Lowest Minimum	: -3.9 C Glenlivet [Grampian]
Lowest Grass Minimum	: -8.2 C Aberdeen / Dyce
Most Rain (24 hours from 0900 GMT)	: 14.5 mm Guernsey / L' Ancresse
Most Sun	: 8.3 Hrs Eastbourne [East Sussex]

DAILY WEATHER SUMMARY



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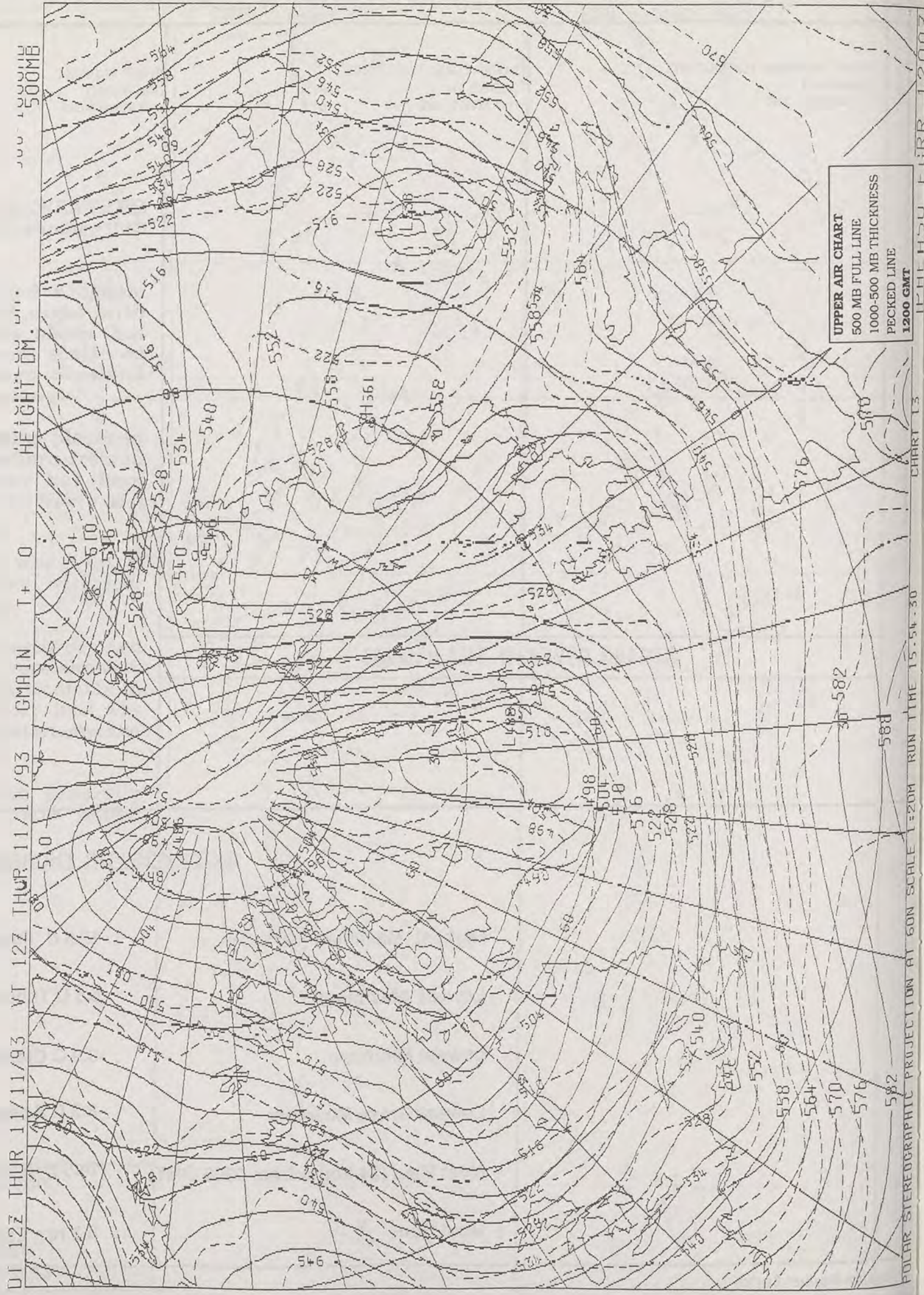
METEOSAT AT 11:30 GMT ON 11/11/93
INFRA-RED



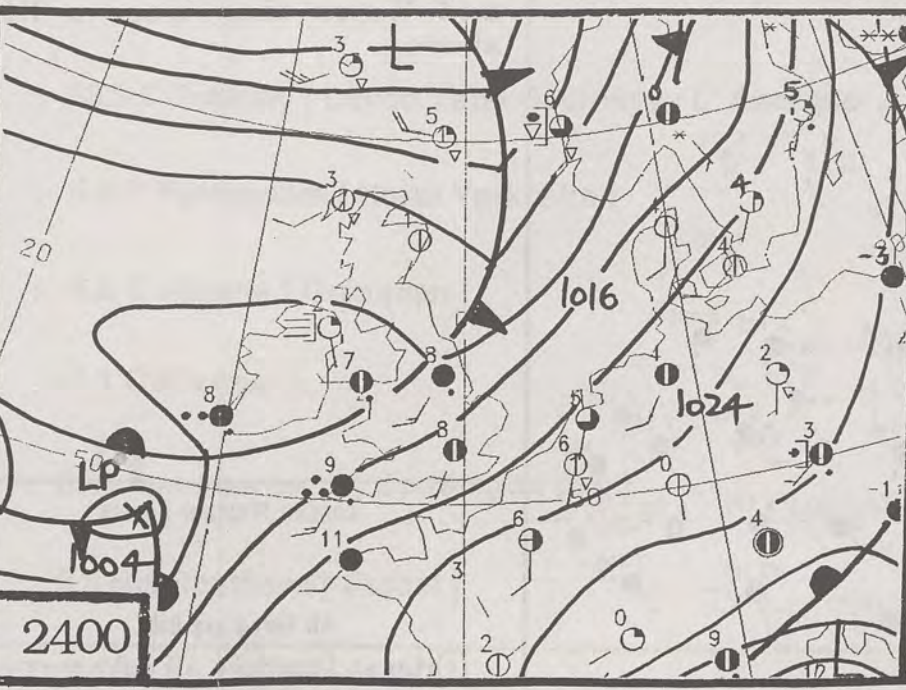
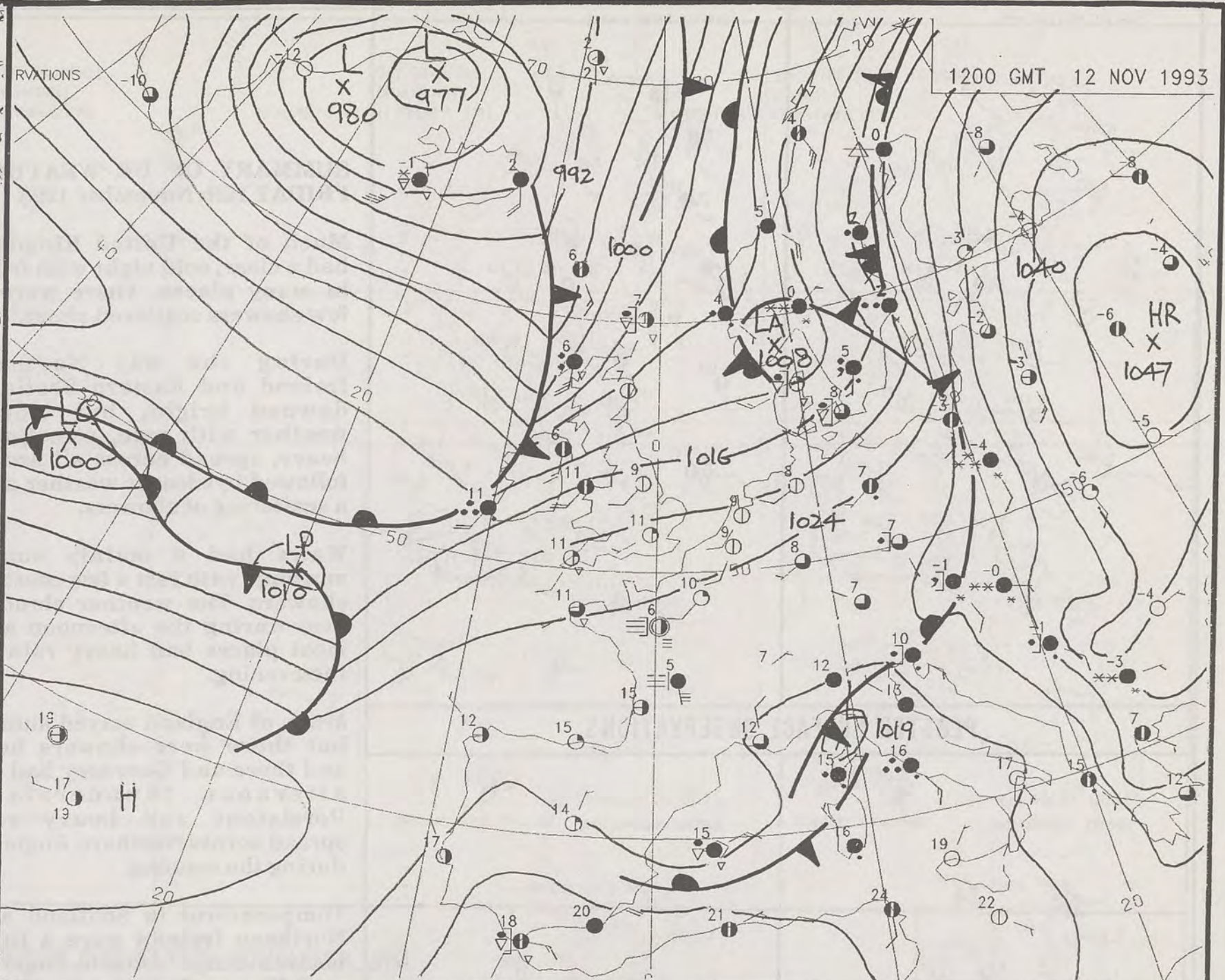
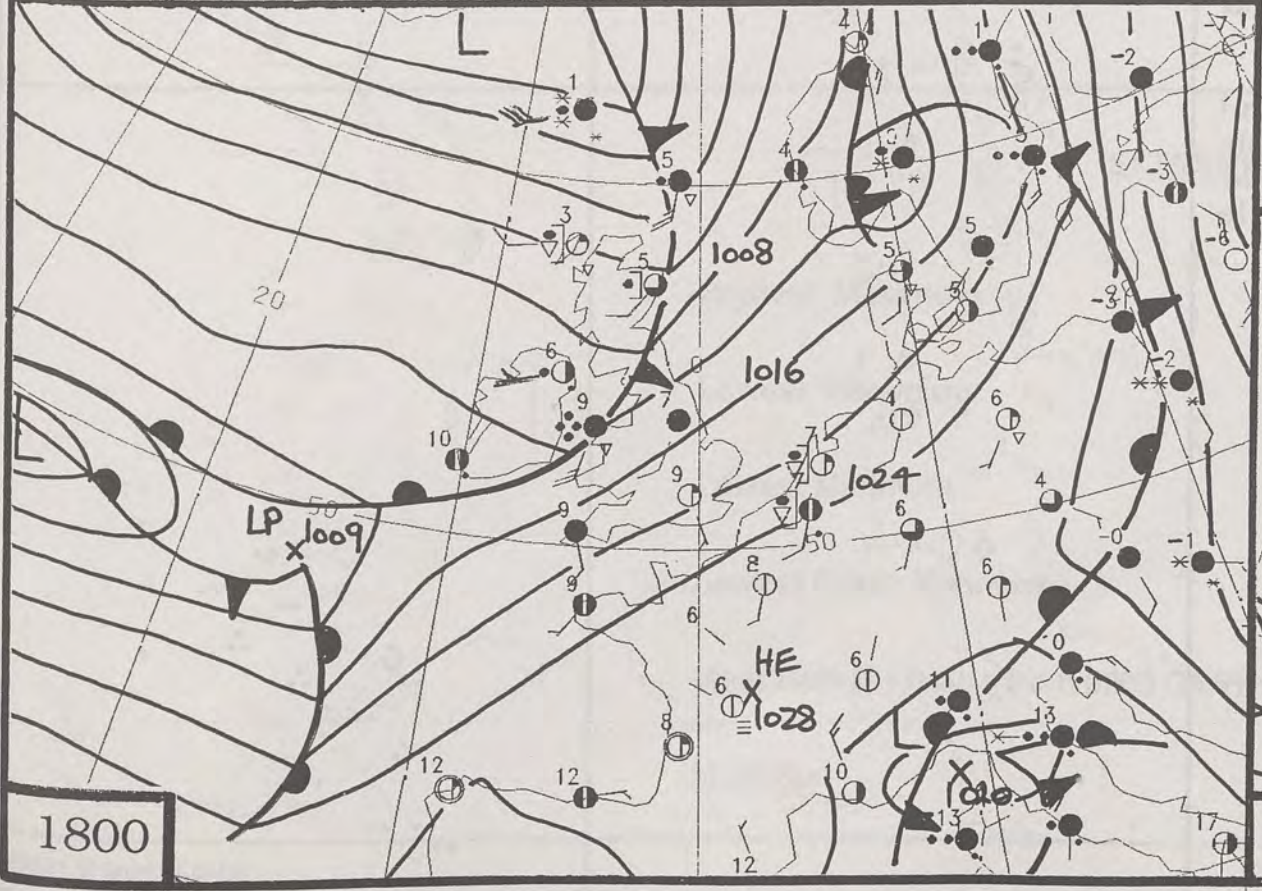
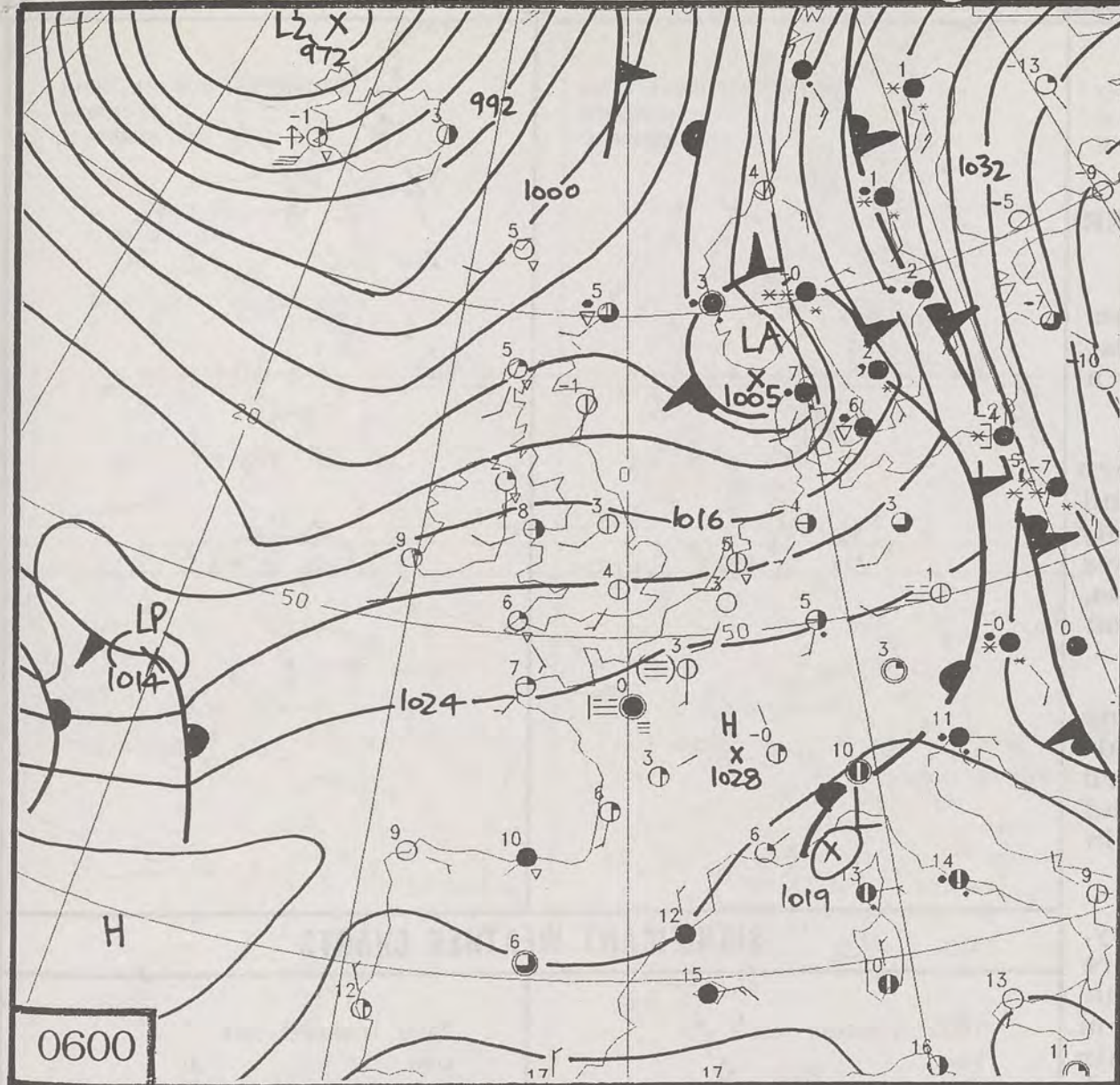
CLOUD-TOP OR LAND/SEA TEMPERATURE

0703

WARM

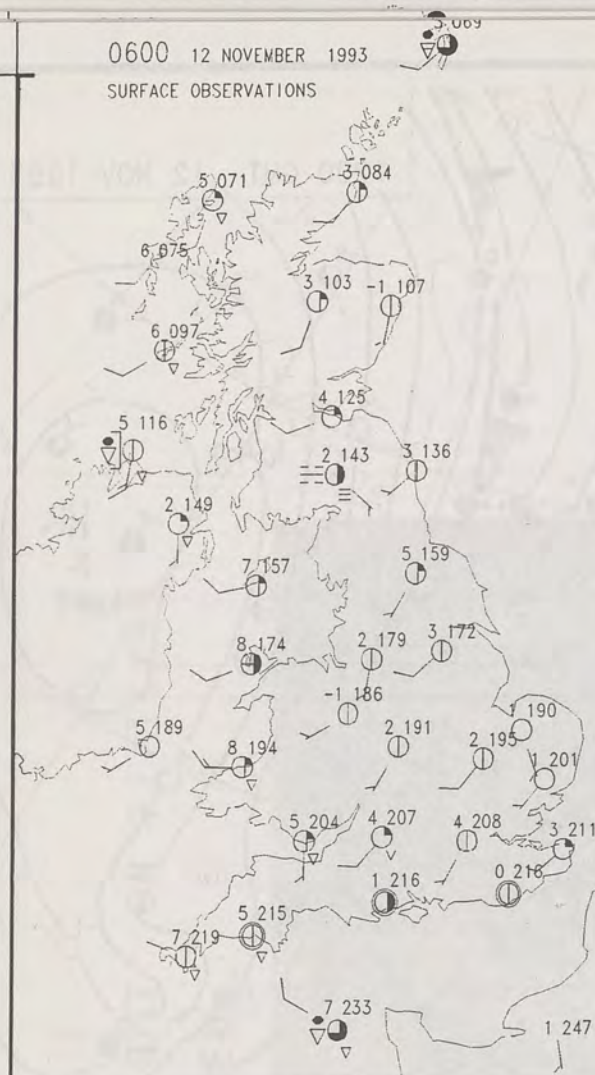


NON
PECKED LINE
1200 GMT
IPHEHCU FURR 1200Z
CHART 13
POLAR STEREOGRAPHIC PROJECTION AT 60N SCALE 1:20M RUN TIME 15:54:30
582

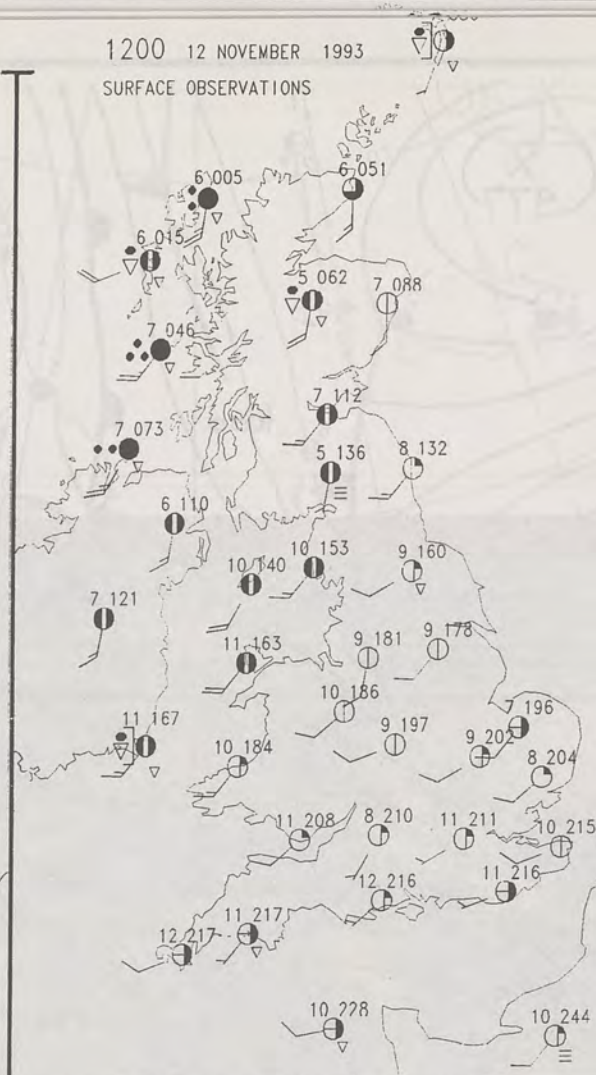


DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Friday 12th November 1993
London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB
METEOROLOGICAL OFFICE
23 NOV 1993
LIBRARY
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0600 12 NOVEMBER 1993
SURFACE OBSERVATIONS

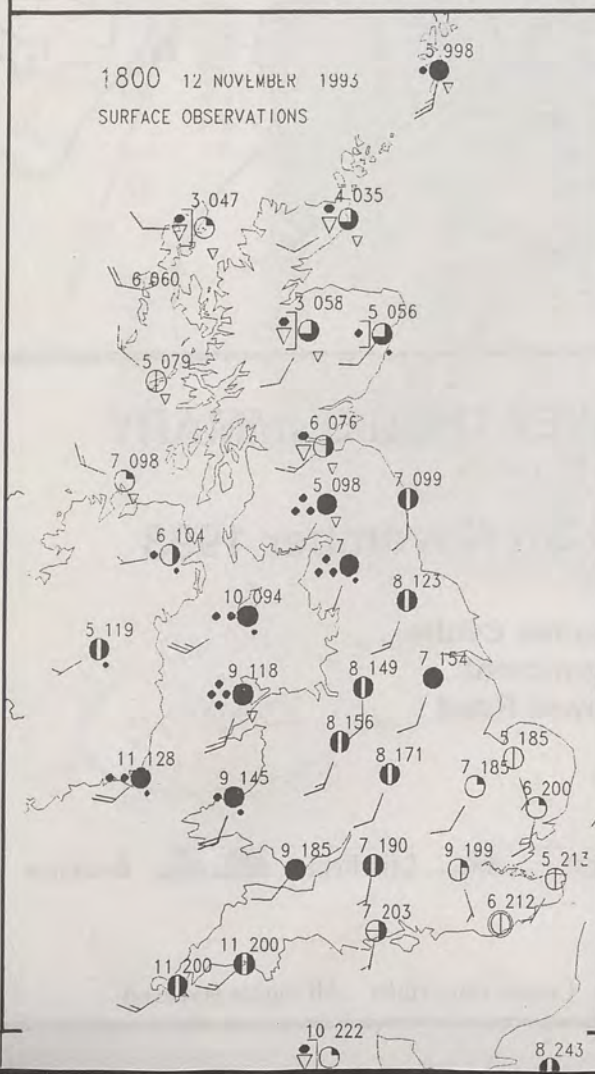


1200 12 NOVEMBER 1993
SURFACE OBSERVATIONS

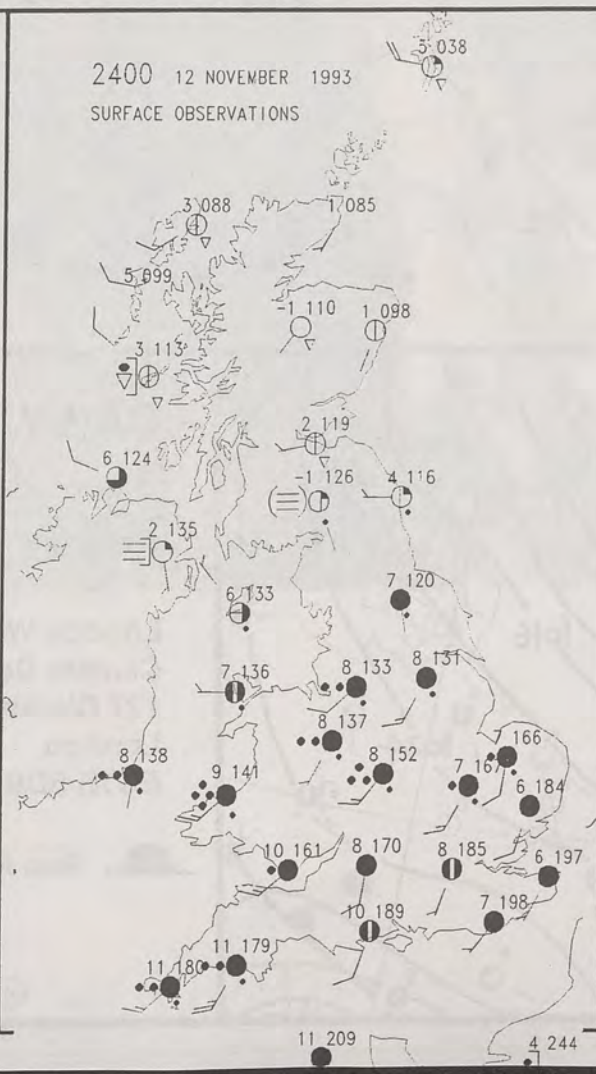


PLOTTED SURFACE OBSERVATIONS

1800 12 NOVEMBER 1993
SURFACE OBSERVATIONS



2400 12 NOVEMBER 1993
SURFACE OBSERVATIONS



SUMMARY OF UK WEATHER FRIDAY 12th November 1993

Much of the United Kingdom had a clear, cold night with frost in many places. There were a few showers scattered about.

During the day Northern Ireland and Eastern Scotland dawned bright, but cloudy weather with rain, sometimes heavy, spread across all areas, followed by clearer weather and a scattering of showers.

Wales had a mainly sunny morning, with just a few coastal showers. The weather clouded over during the afternoon and most places had heavy rain in the evening.

Much of England stayed sunny, but there were showers here and there and Guernsey had an afternoon thunderstorm. Persistent and heavy rain spread across Northern England during the evening.

Temperatures in Scotland and Northern Ireland were a little below average while in England and Wales they were a little above.

London Weather Centre

All times are GMT

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0600 12 NOVEMBER 1993
SIGWX



1200 12 NOVEMBER 1993
SIGWX



SIGNIFICANT WEATHER CHARTS

1800 12 NOVEMBER 1993
SIGWX



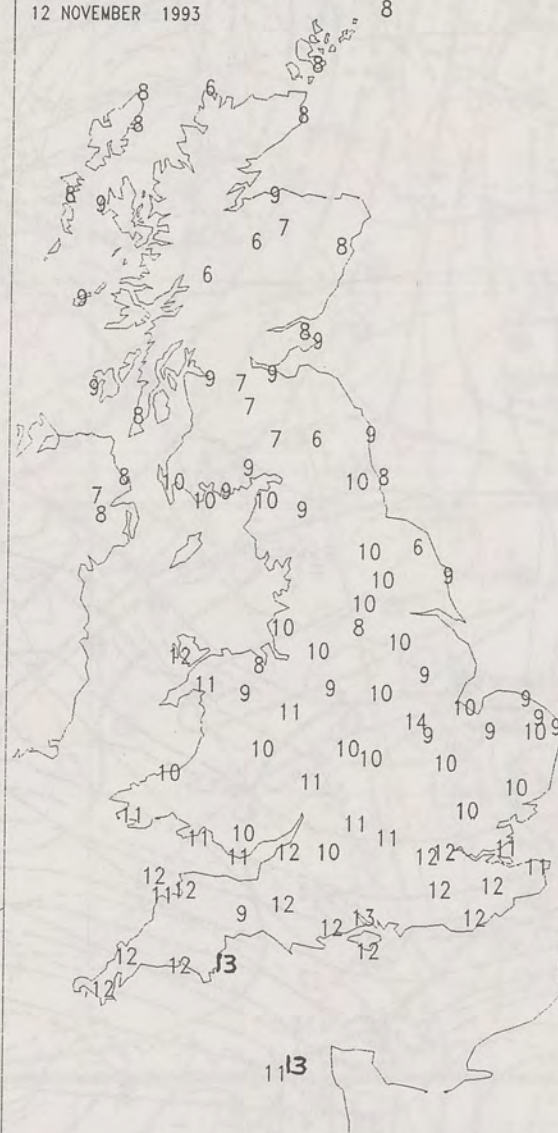
2400 12 NOVEMBER 1993
SIGWX



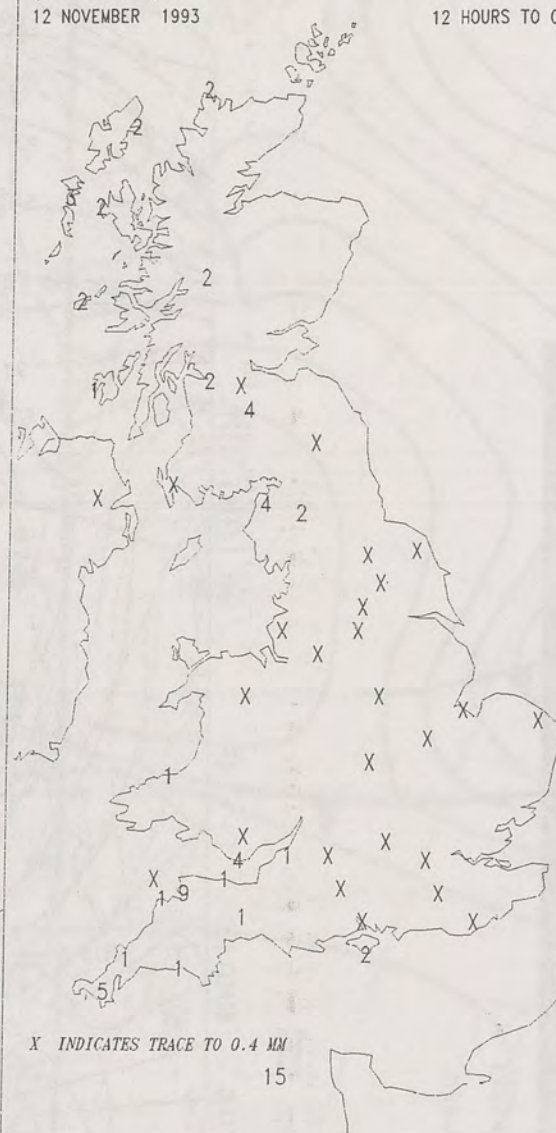
NIGHT MINIMUM TEMPERATURE
(DEGREES C)
12 NOVEMBER 1993



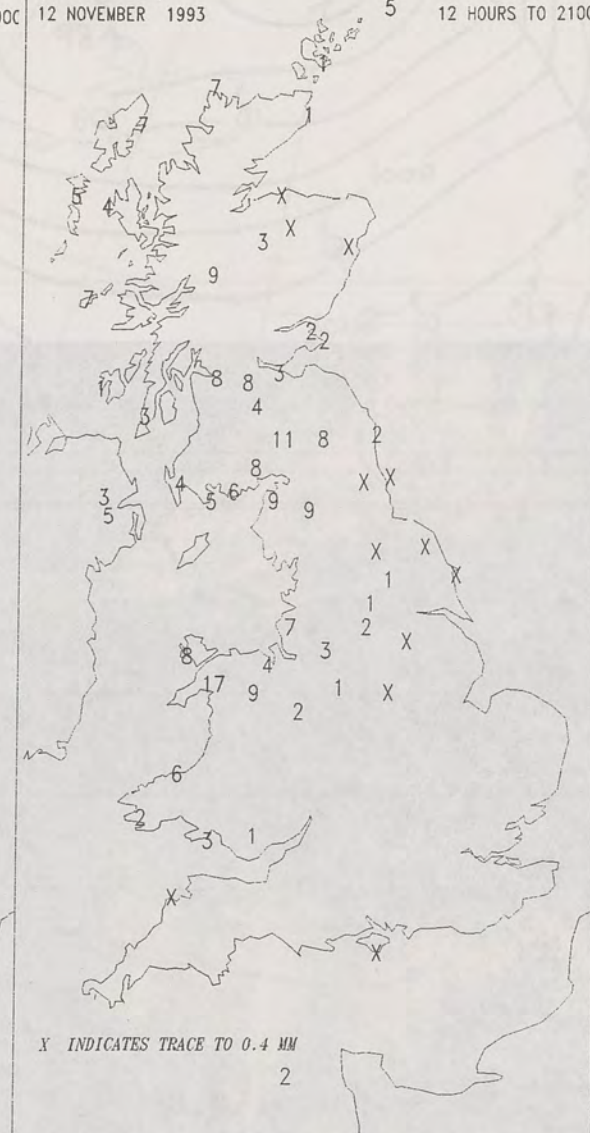
DAY MAXIMUM TEMPERATURE
(DEGREES C)
12 NOVEMBER 1993



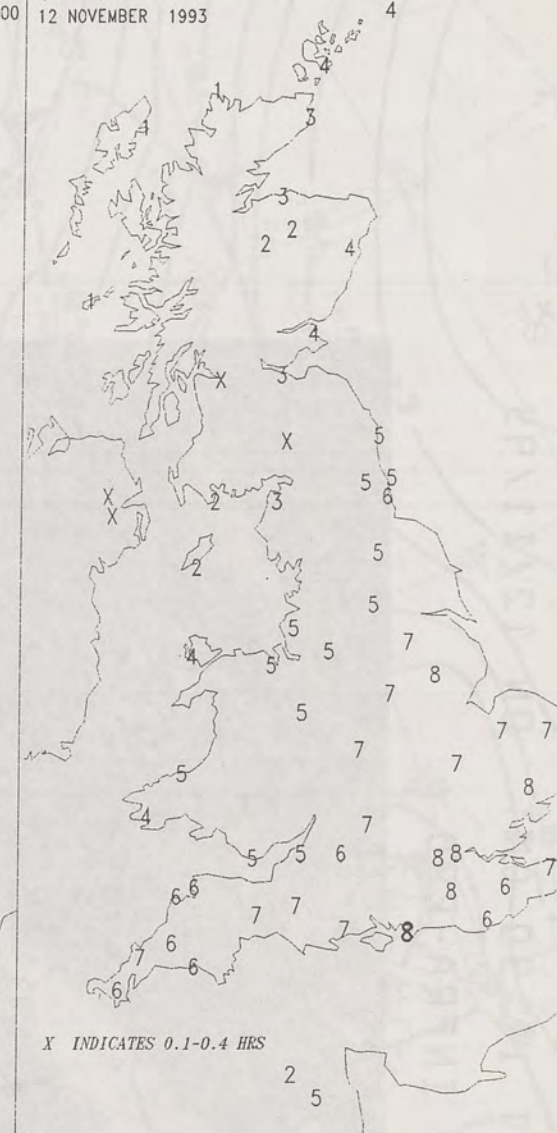
NIGHT RAINFALL
(MILLIMETRES)
12 NOVEMBER 1993



DAY RAINFALL
(MILLIMETRES)
12 NOVEMBER 1993



SUNSHINE (DAWN TO DUSK)
(HOURS)
12 NOVEMBER 1993



EXTREMES FOR FRIDAY 12TH NOVEMBER 1993

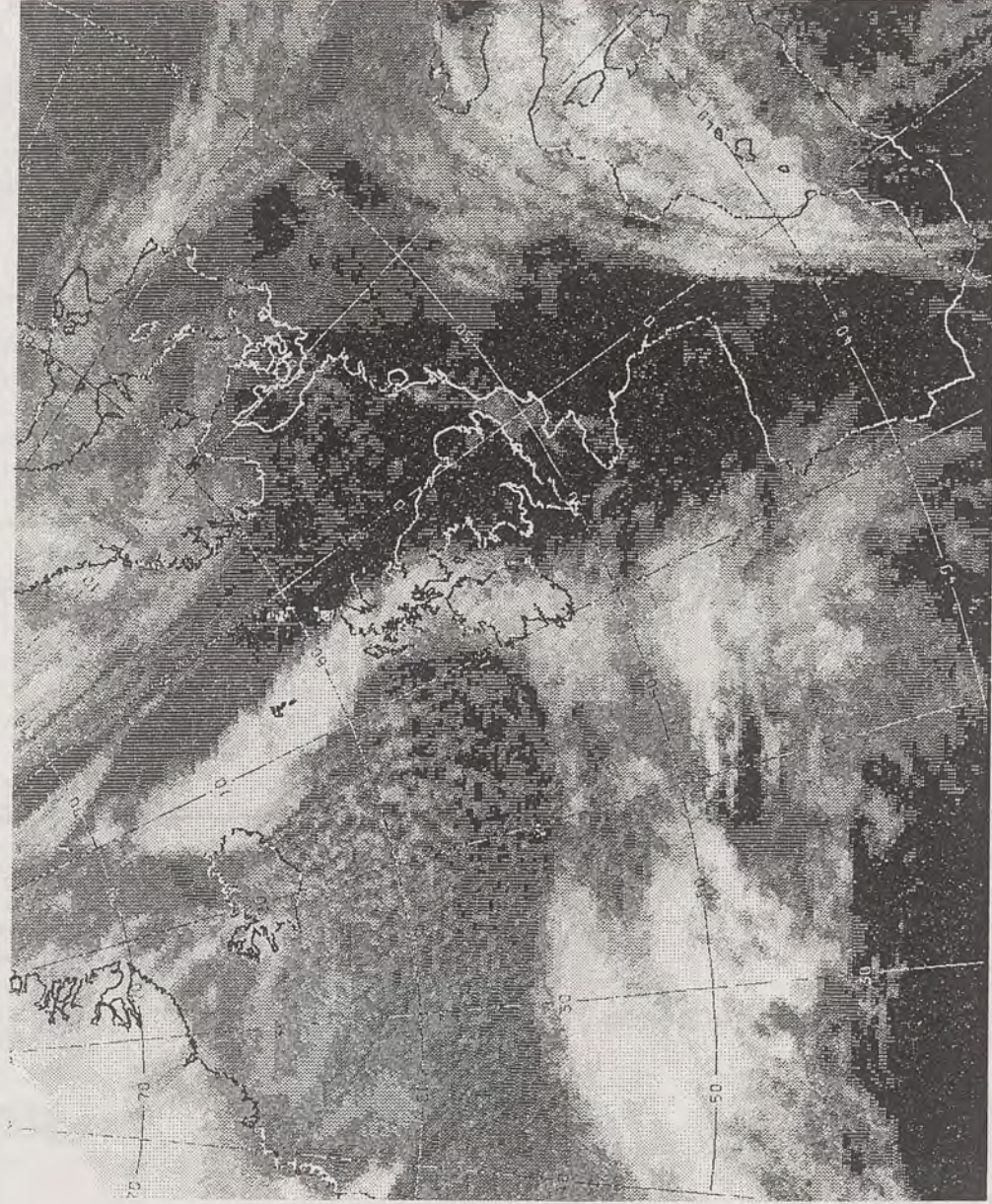
Highest Maximum	: 13.2 C Torquay [Devon] and Guernsey / L' Ancesse
Lowest Maximum	: 5.9 C Fylingdales [North Yorkshire]
Lowest Minimum	: -5.0 C Aboyne [Grampian]
Lowest Grass Minimum	: -7.1 C Aboyne
Most Rain (24 hours from 0900 GMT)	: 35.0 mm Aberporth [Cardington Bay]
Most Sun	: 8.3 Hrs Southsea [Dorset]

**DAILY
WEATHER
SUMMARY**



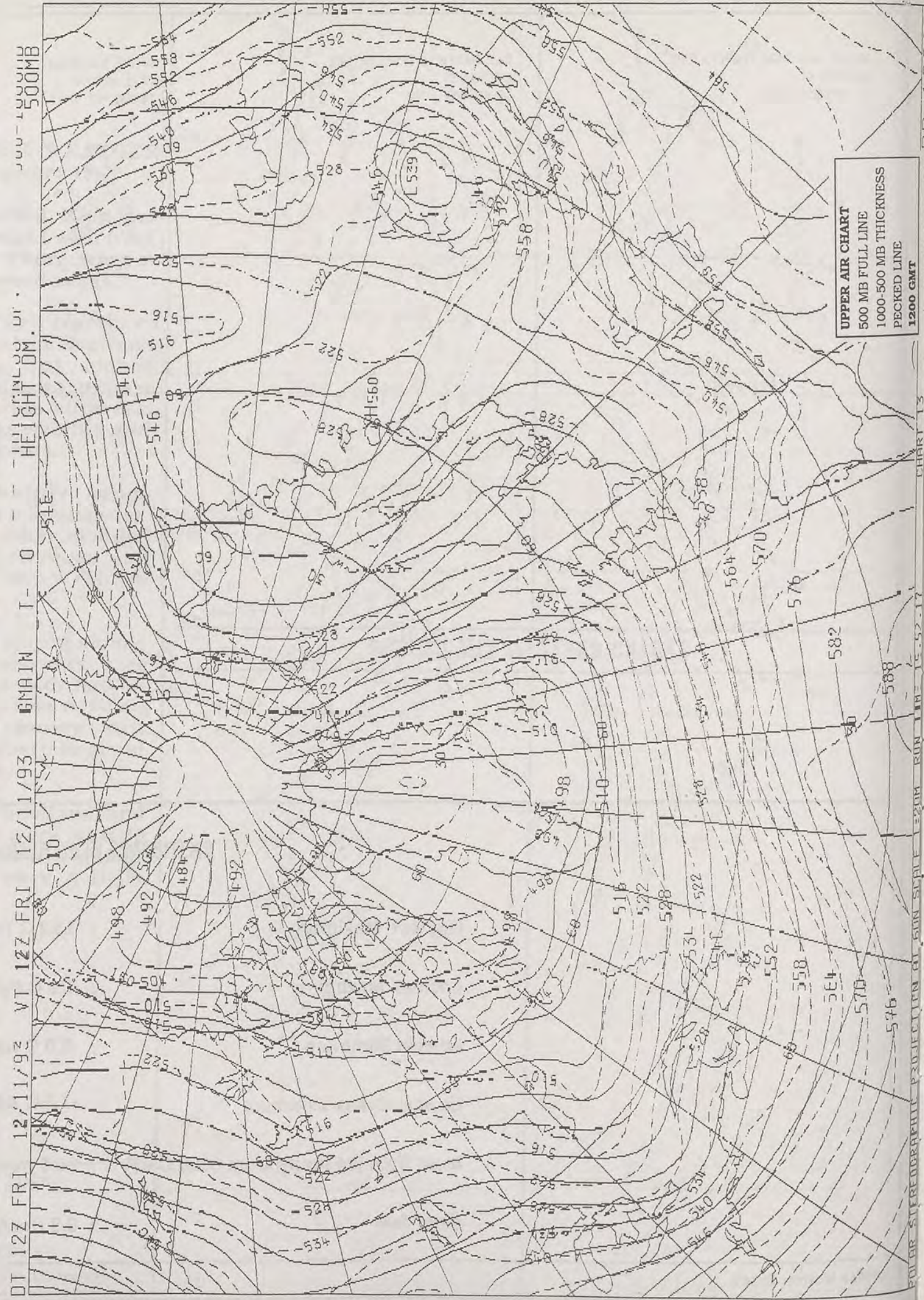
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METEOSAT AT 11:30 GMT ON 12/11/93
INFRA-RED

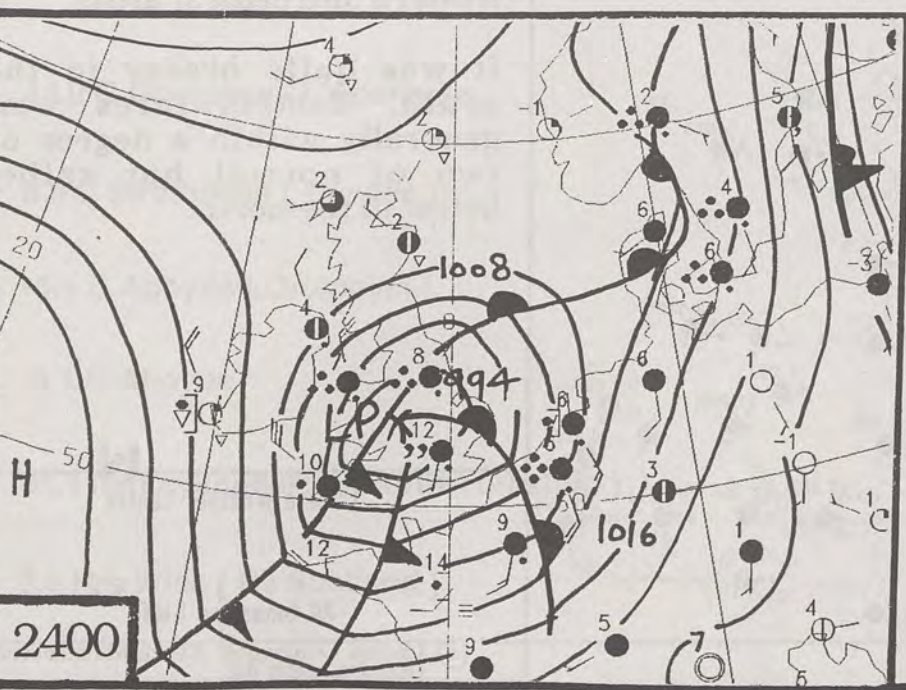
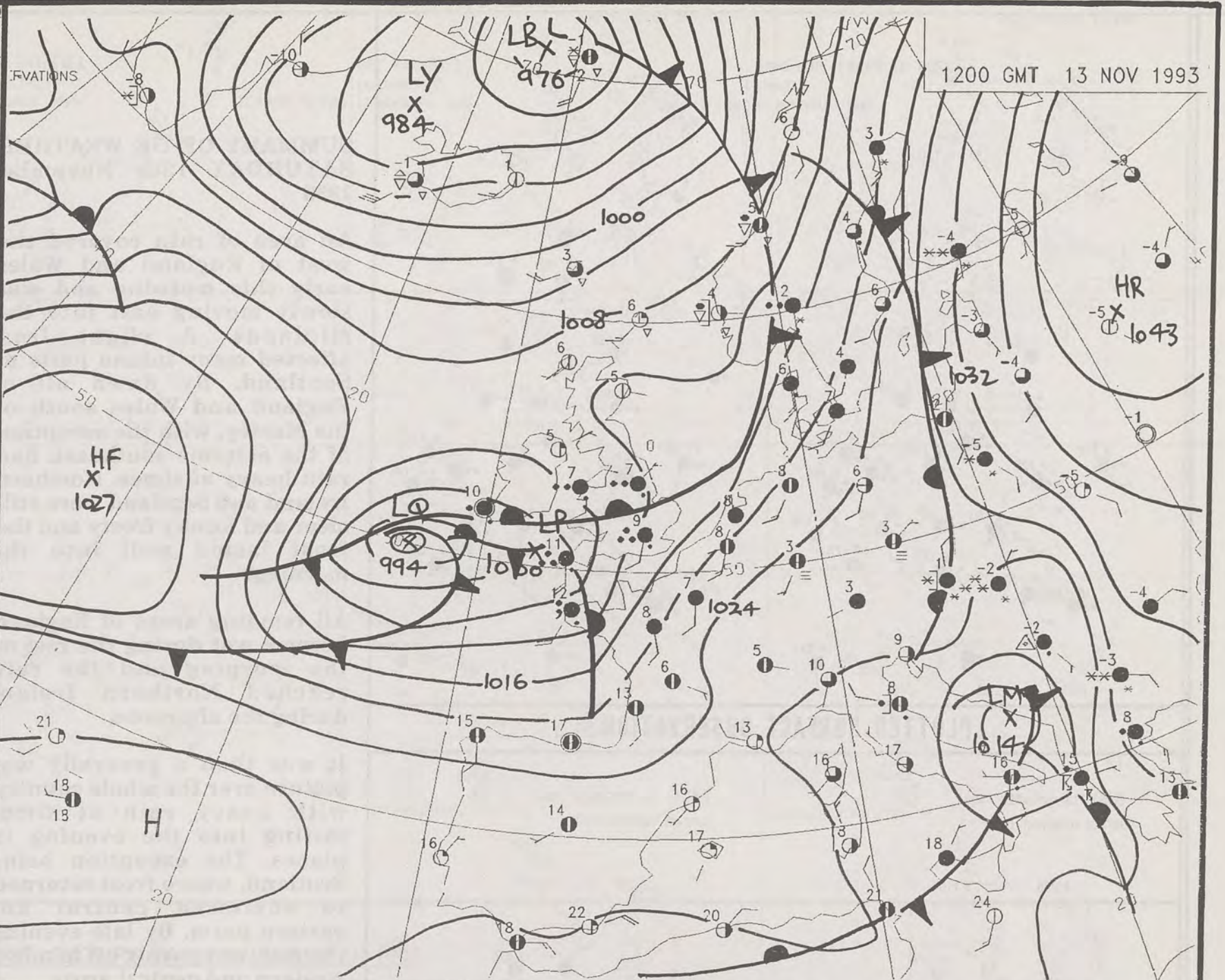
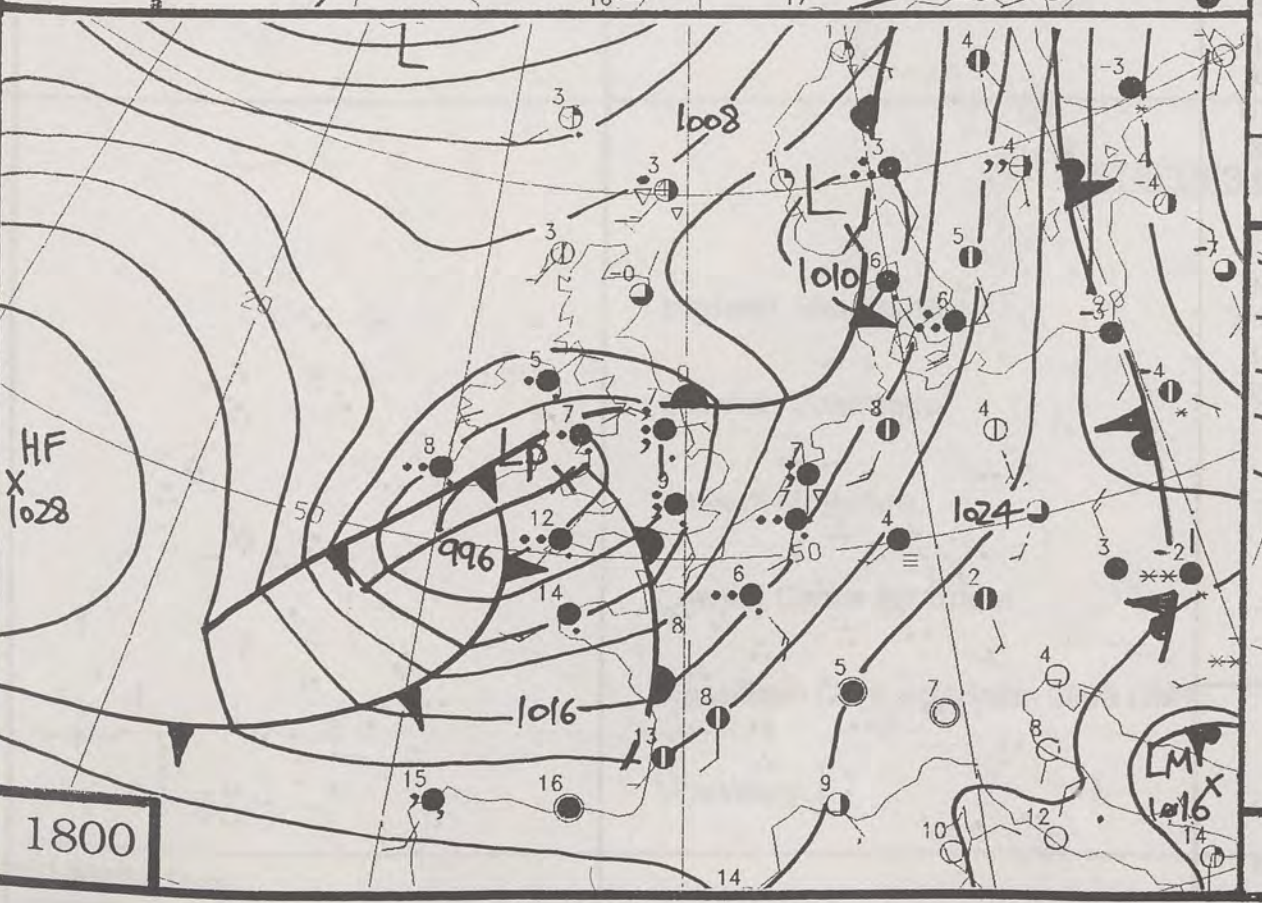
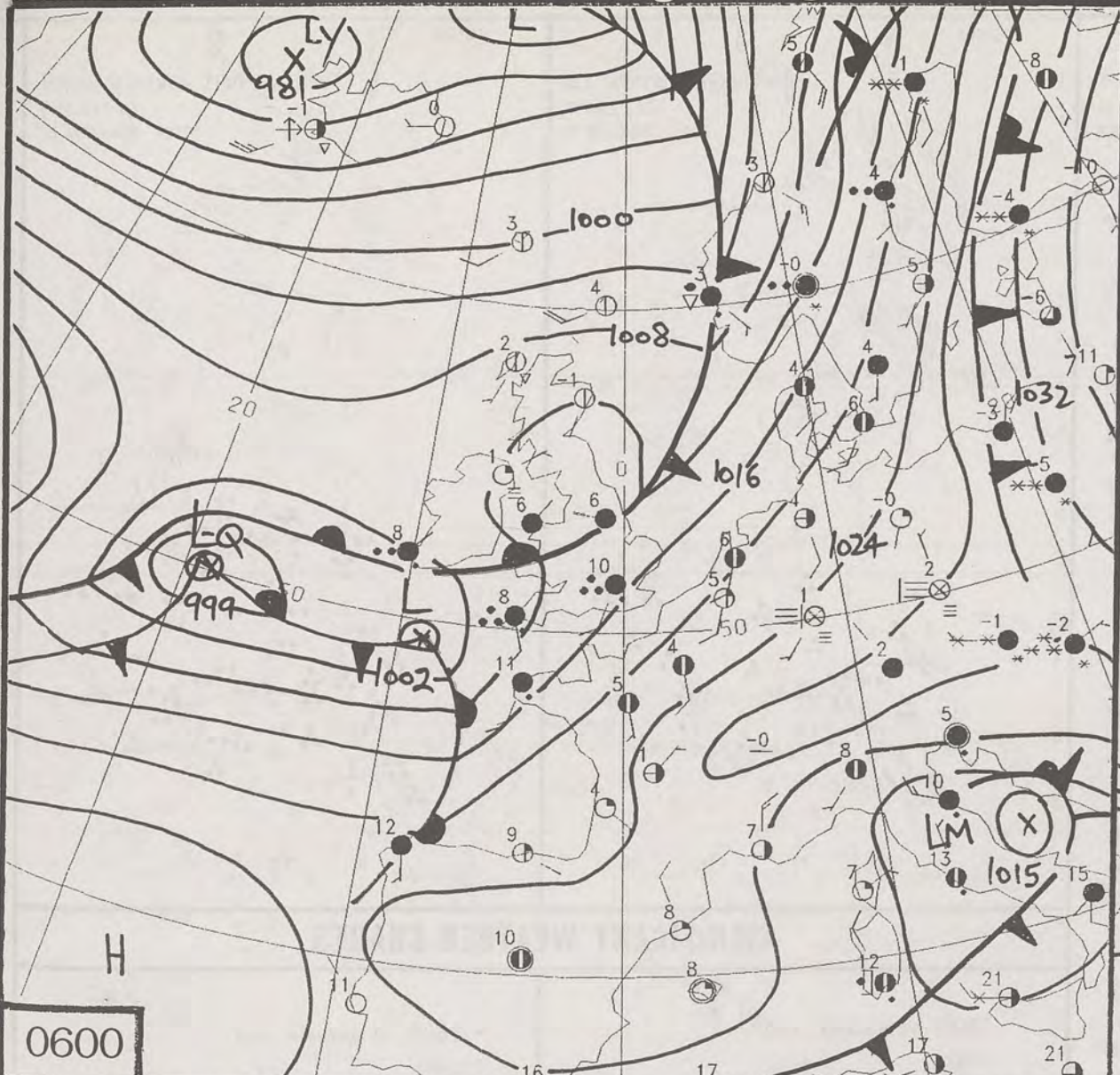


CLOUD-TOP OR LAND/SEA TEMPERATURE

COLD WARM



NON
PECKED LINE
1200 GMT
CHART 13
FOR THE STATION REPORT PROJECT TO A RUN SHEET 2004 RUN 15-52-17
5-76



DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Saturday 13th November 1993

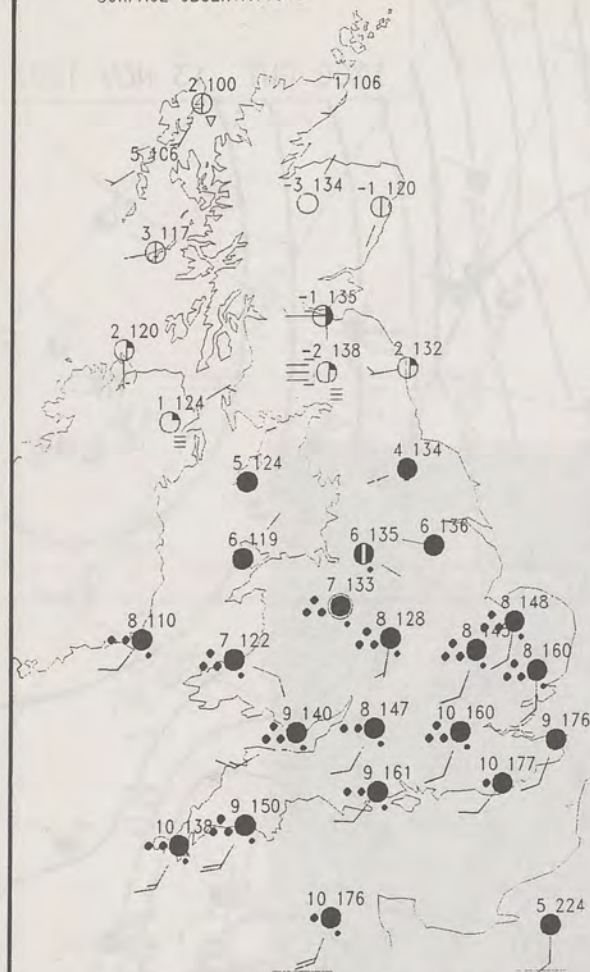
London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB



Warm front Cold front Occlusion

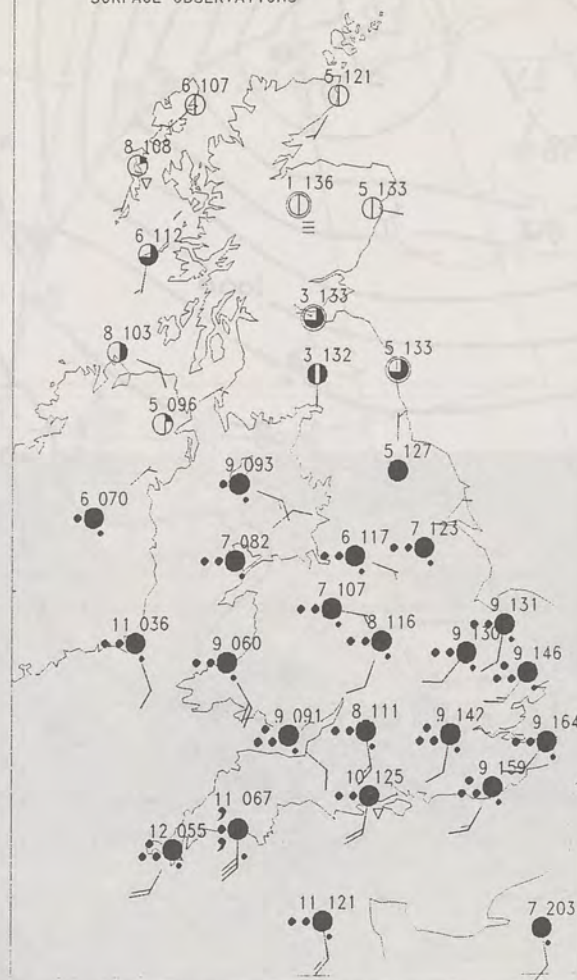
0600 13 NOVEMBER 1993

SURFACE OBSERVATIONS



1200 13 NOVEMBER 1993

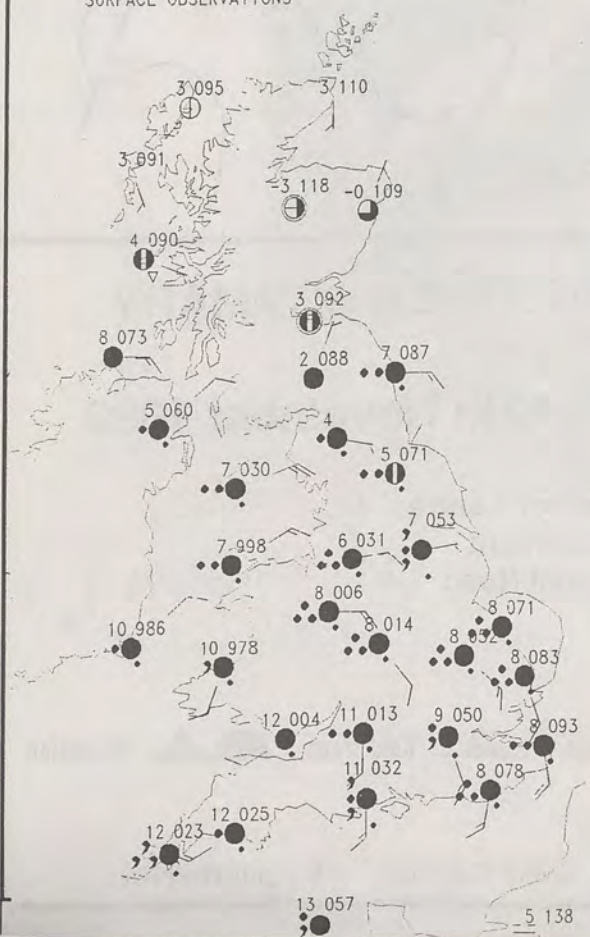
SURFACE OBSERVATIONS



PLOTTED SURFACE OBSERVATIONS

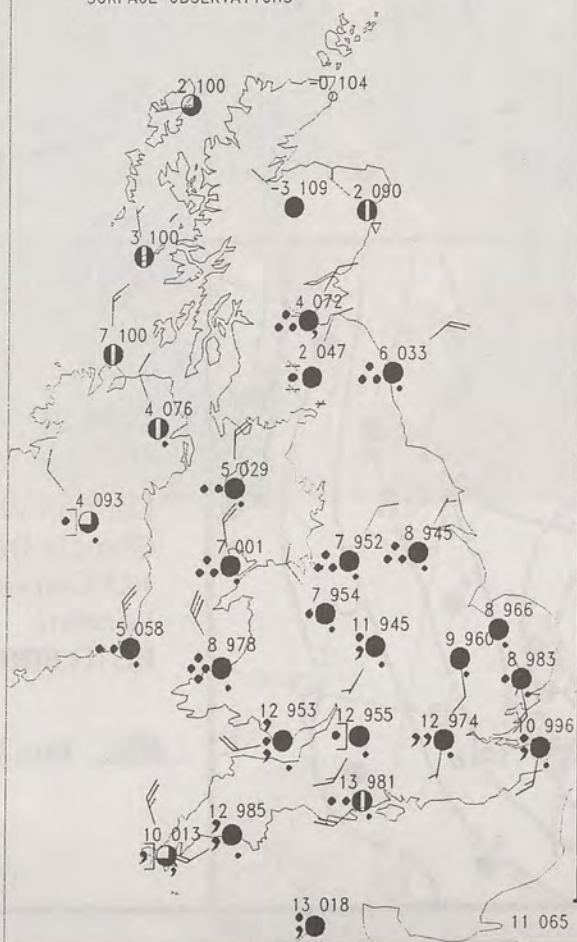
1800 13 NOVEMBER 1993

SURFACE OBSERVATIONS



2400 13 NOVEMBER 1993

SURFACE OBSERVATIONS

SUMMARY OF UK WEATHER
SATURDAY 13th November
1993

An area of rain covered the west of England and Wales early this morning and was slowly moving east into the Midlands. A slight frost affected many inland parts of Scotland. By dawn all of England and Wales south of the Mersey, with the exception of the extreme southeast, had rain heavy at times. Northern Ireland and Scotland were still clear and locally frosty and the frost lasted well into the morning.

All remaining areas of England became wet during the rest of the morning and the rain reached Northern Ireland during the afternoon.

It was then a generally wet picture over the whole country with heavy rain at times lasting into the evening in places. The exception being Scotland, where frost returned to sheltered central and eastern parts. By late evening the rain was easing off in a few western and central areas.

It was quite breezy in the south. Temperatures were generally within a degree or two of normal but rather below in the north.

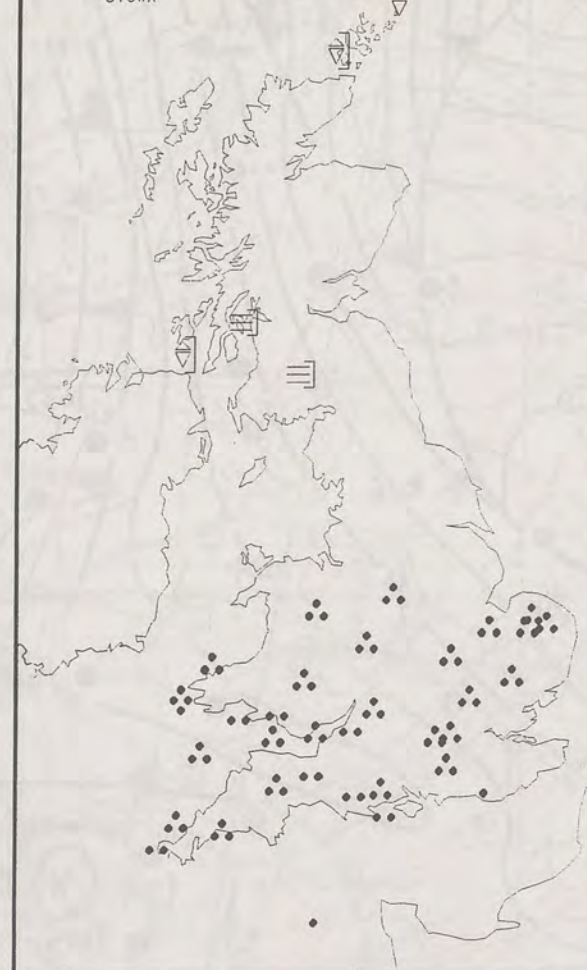
London Weather Centre

All times are GMT

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0600 13 NOVEMBER 1993

SIGWX



1200 13 NOVEMBER 1993

SIGWX



SIGNIFICANT WEATHER CHARTS

1800 13 NOVEMBER 1993

SIGWX



2400 13 NOVEMBER 1993

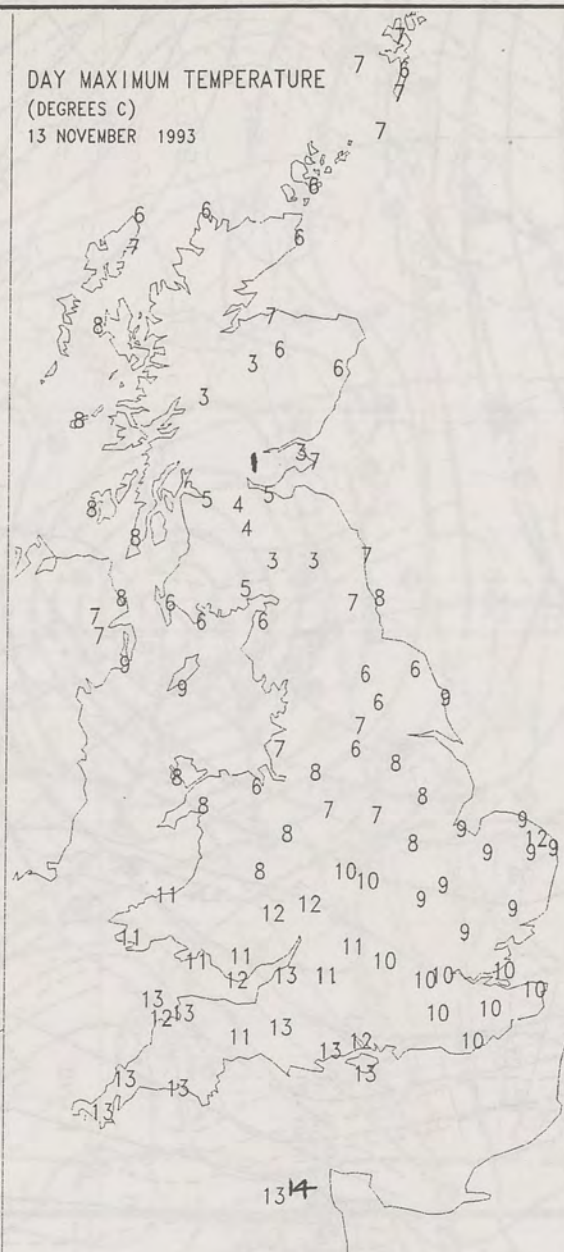
SIGWX



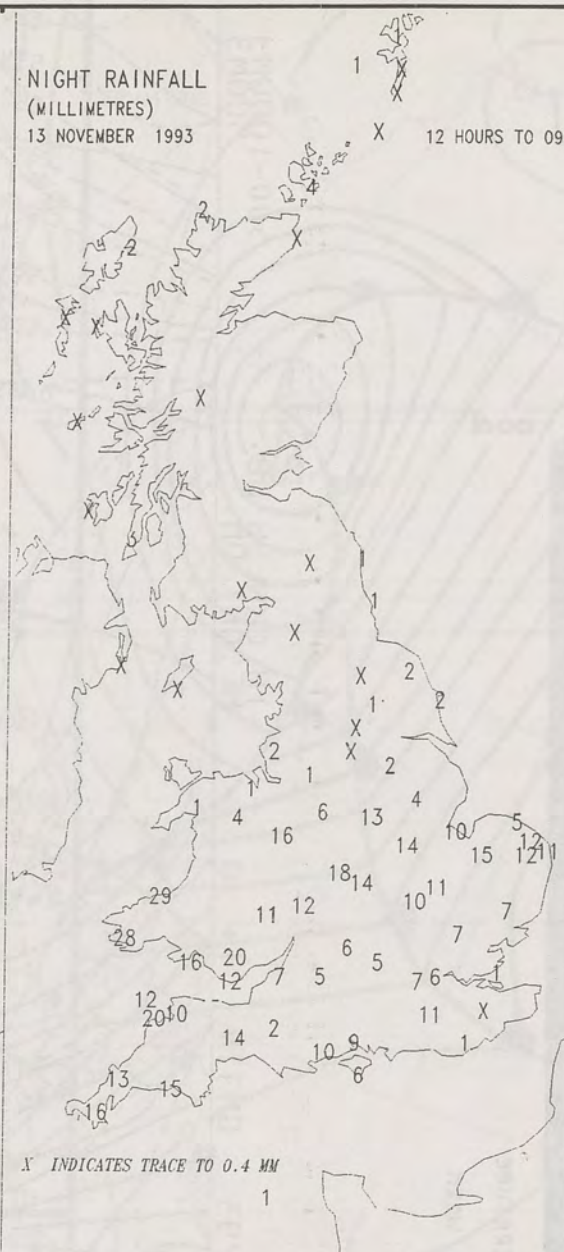
NIGHT MINIMUM TEMPERATURE
(DEGREES C)
13 NOVEMBER 1993



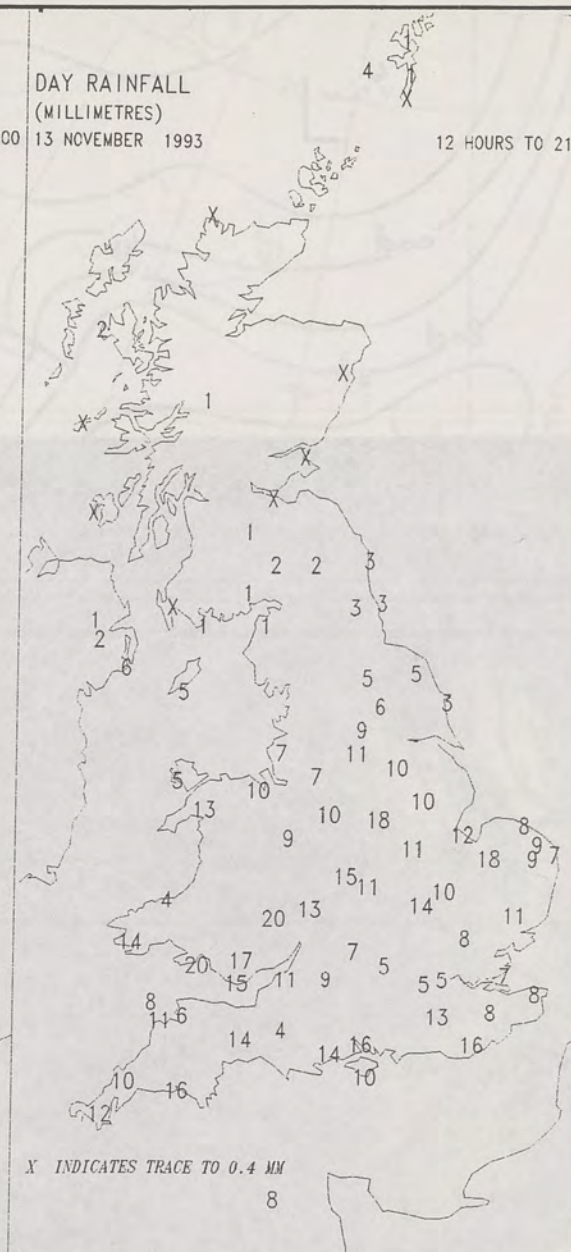
DAY MAXIMUM TEMPERATURE
(DEGREES C)
13 NOVEMBER 1993



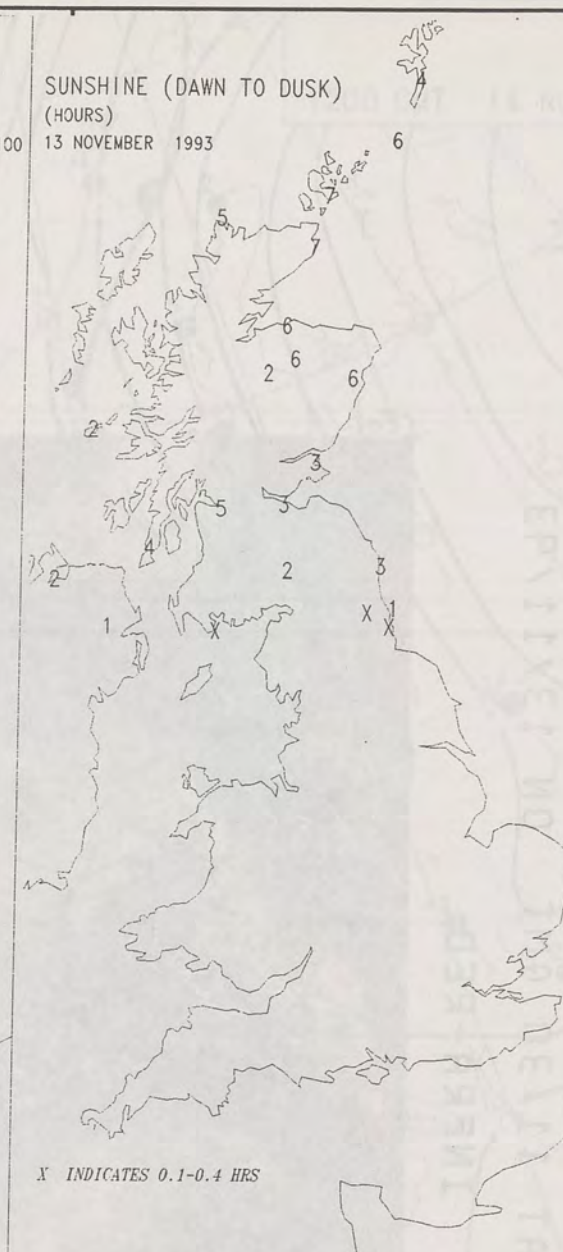
NIGHT RAINFALL
(MILLIMETRES)
13 NOVEMBER 1993



DAY RAINFALL
(MILLIMETRES)
13 NOVEMBER 1993



SUNSHINE (DAWN TO DUSK)
(HOURS)
13 NOVEMBER 1993



EXTREMES FOR SATURDAY 13TH NOVEMBER 1993

Highest Maximum	: 14.0 C Guernsey / L'Ancrese
Lowest Maximum	: 0.9 C Strathallan [Tayside]
Lowest Minimum	: -5.9 C Aboyne [Grampian]
Lowest Grass Minimum	: -9.1 C Aboyne
Most Rain (24 hours from 0900 GMT)	: 61.1 mm Fylingdales [North Yorkshire]
Most Sun	: 7.1 Hrs Wick [Ne Scotland]

DAILY WEATHER SUMMARY



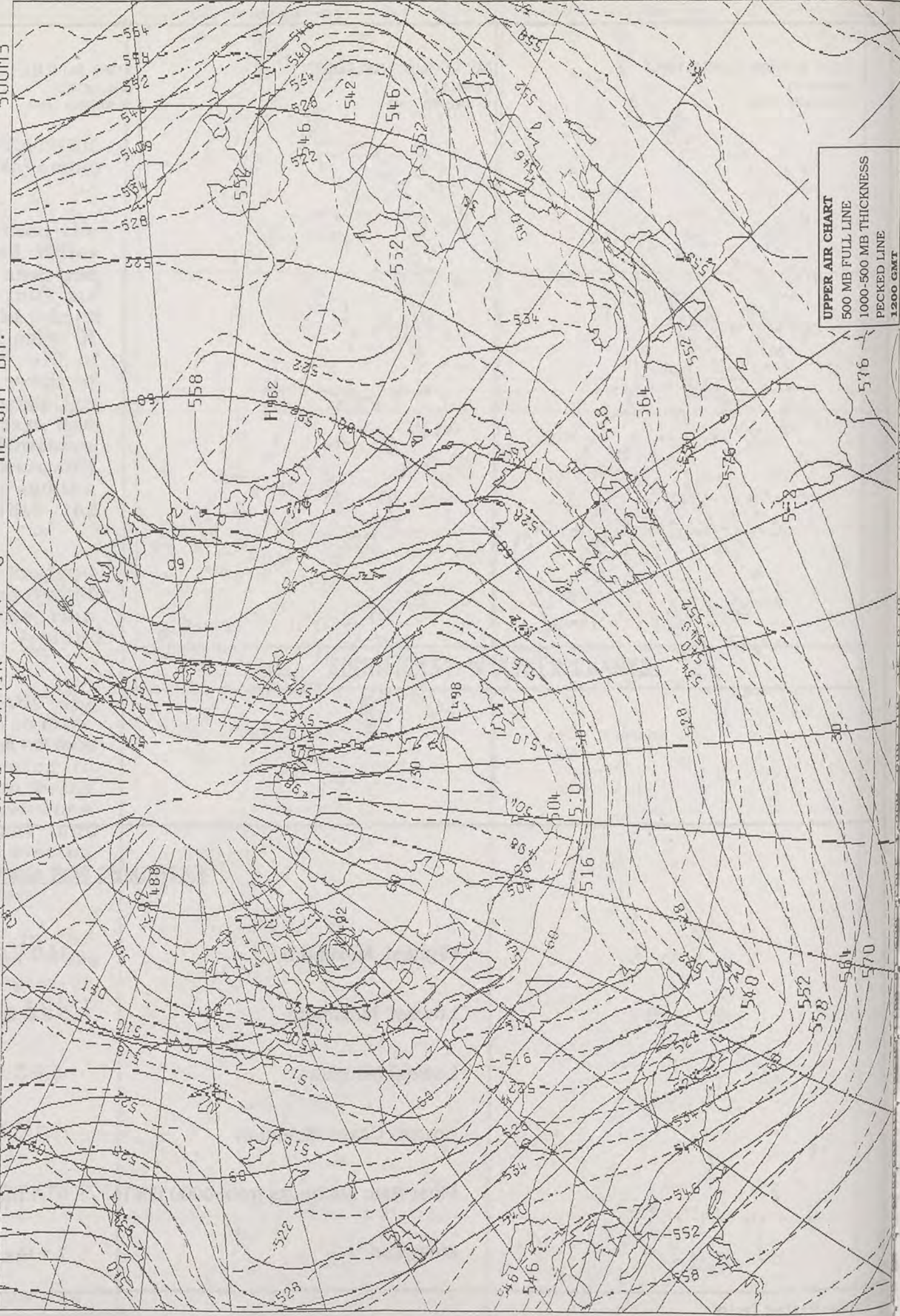
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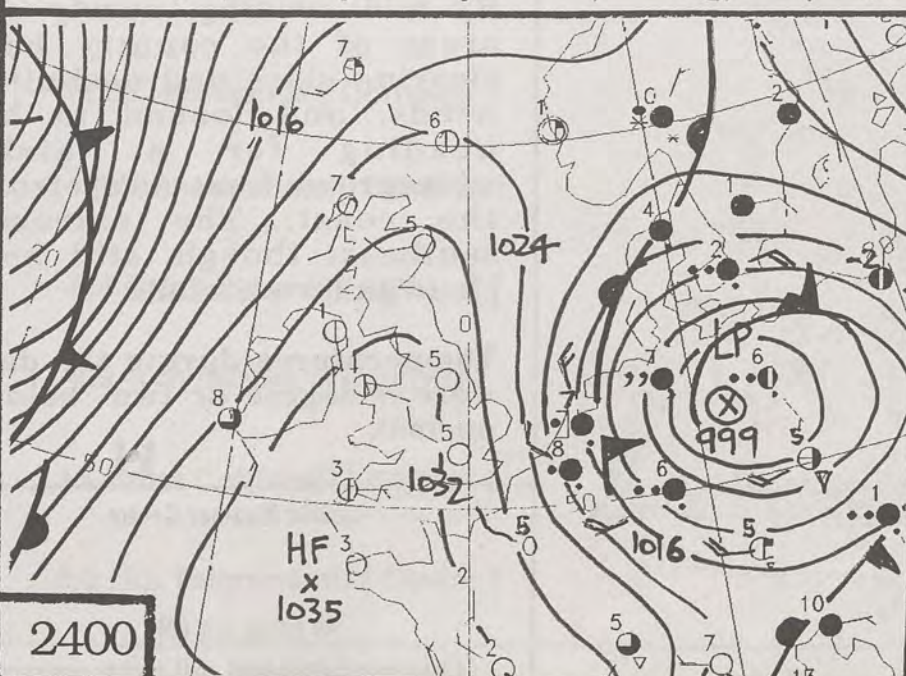
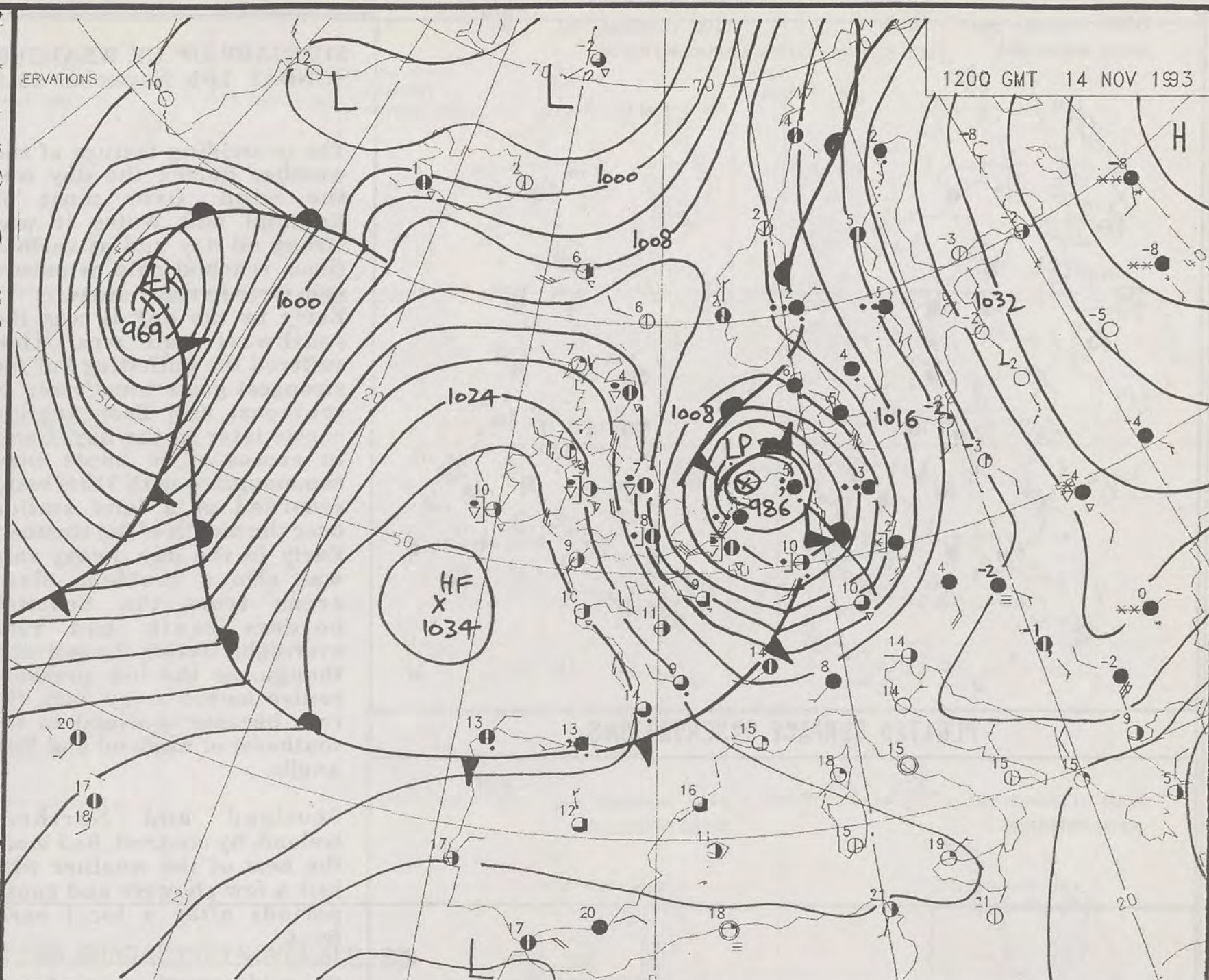
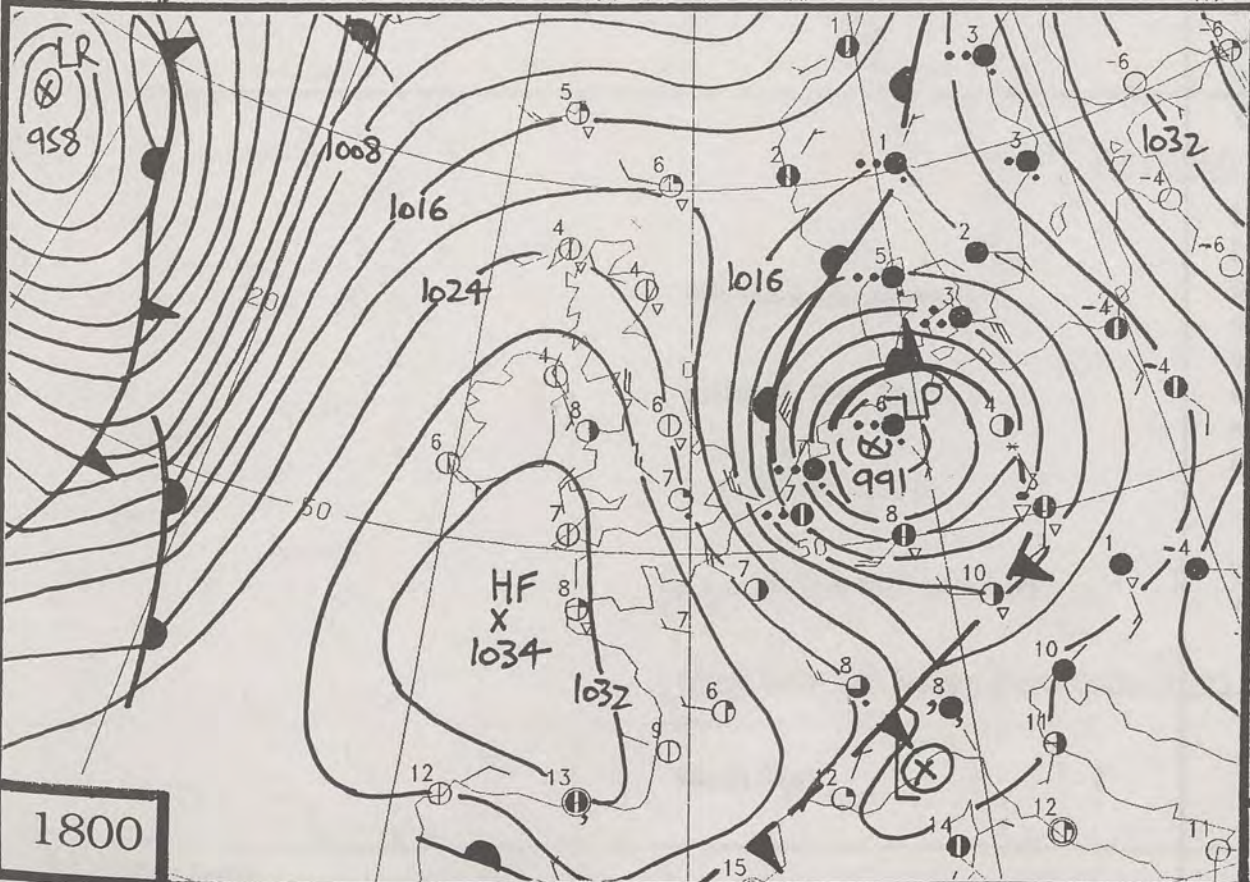
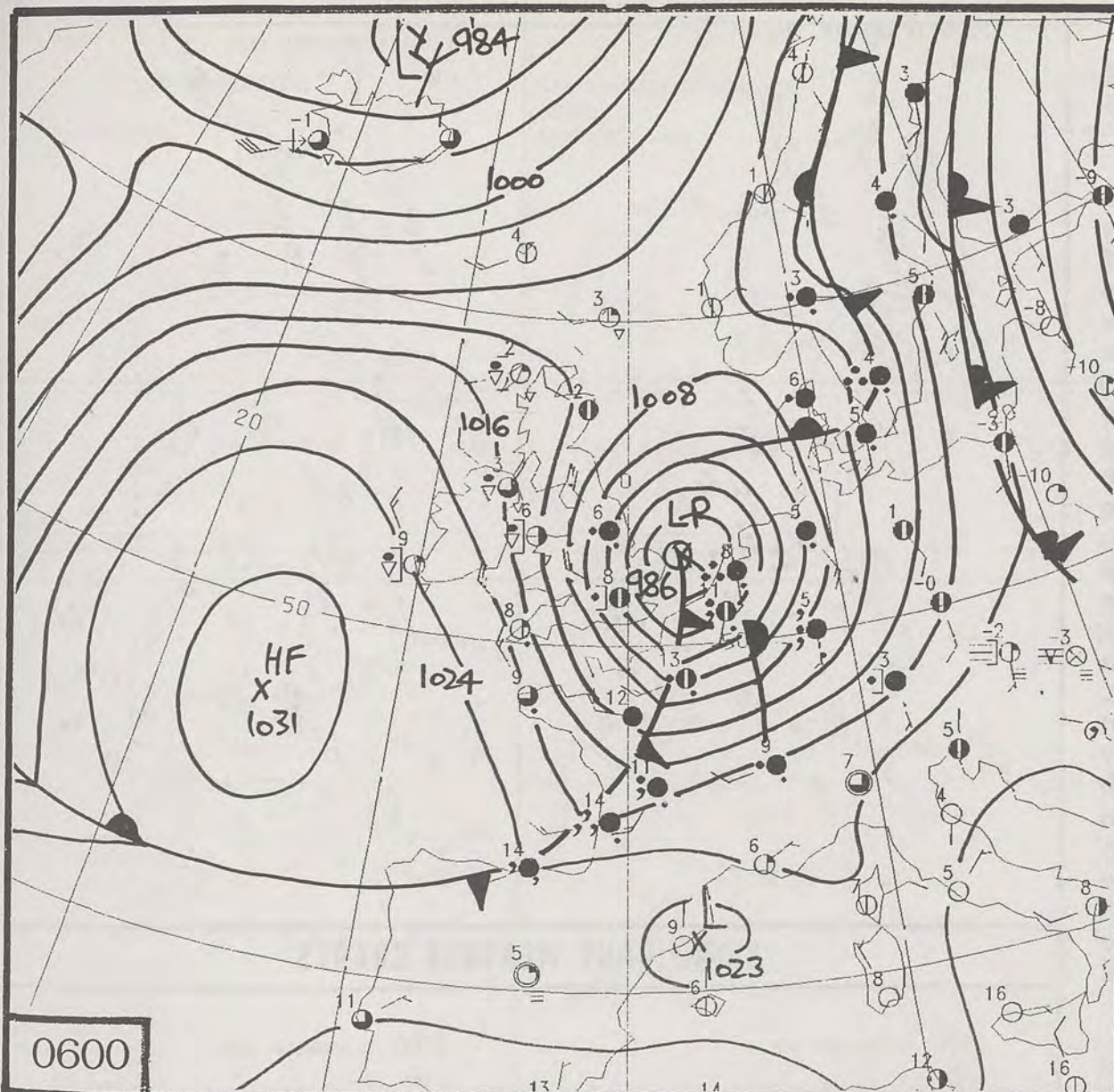
METE05AT AT 11:30 GMT ON 13/11/93
INFRA-RED



CLOUD-TOP OR LAND/SEA TEMPERATURE
COLD WARM

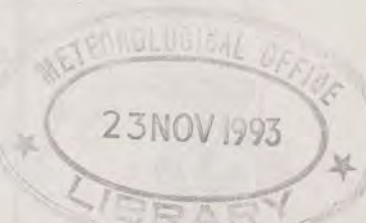
DT 12Z SAT 13/11/93 VT 12Z SAT 13/11/93 GMTIN T+ 0 -- TH CKNESS DM. 500-1000MB 500MB
HE GHT DM.





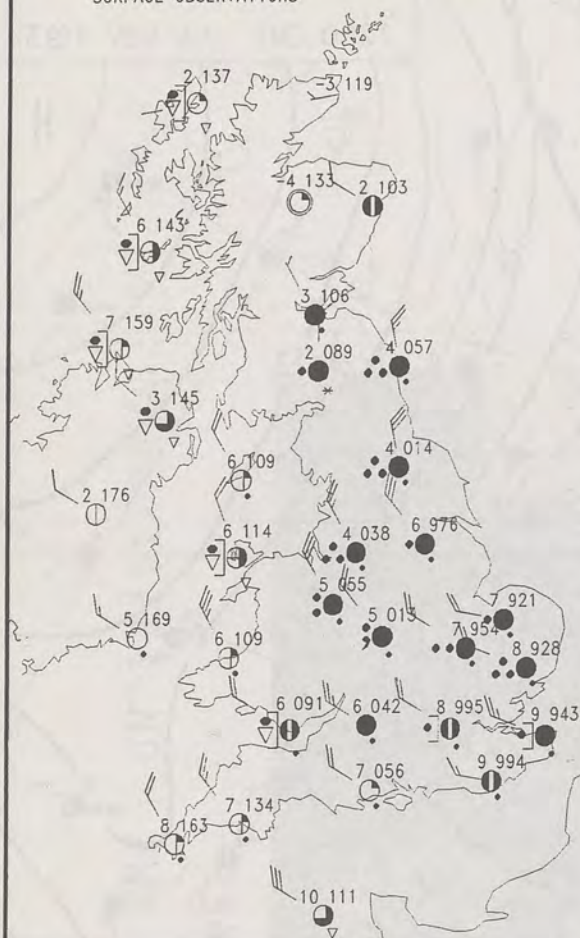
DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Sunday 14th November 1993

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB

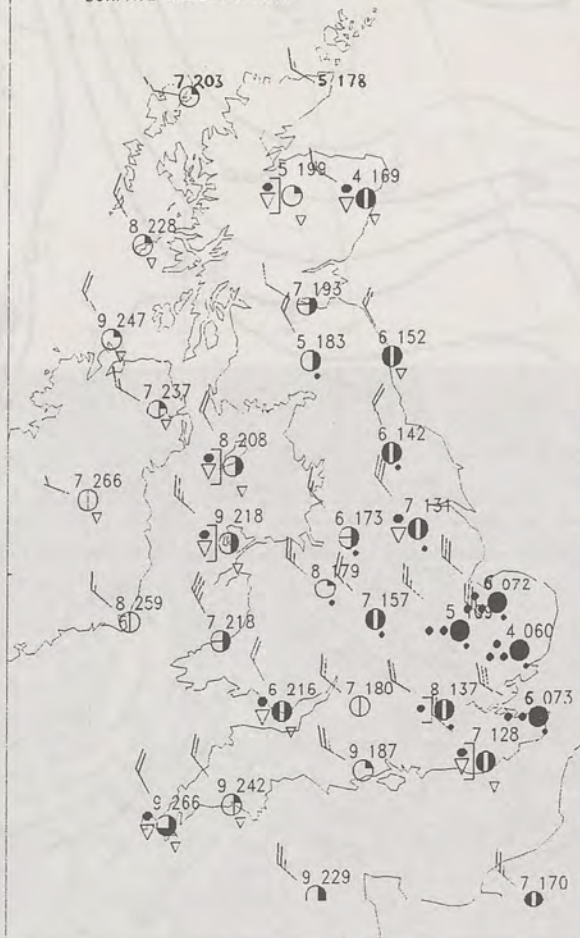


Warm front Cold front Occlusion

0600 14 NOVEMBER 1993
SURFACE OBSERVATIONS

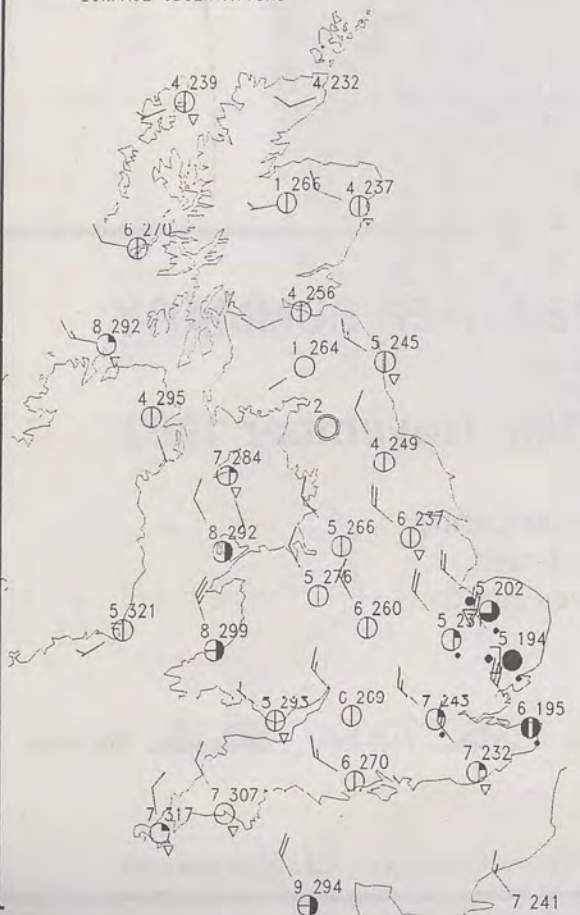


1200 14 NOVEMBER 1993
SURFACE OBSERVATIONS

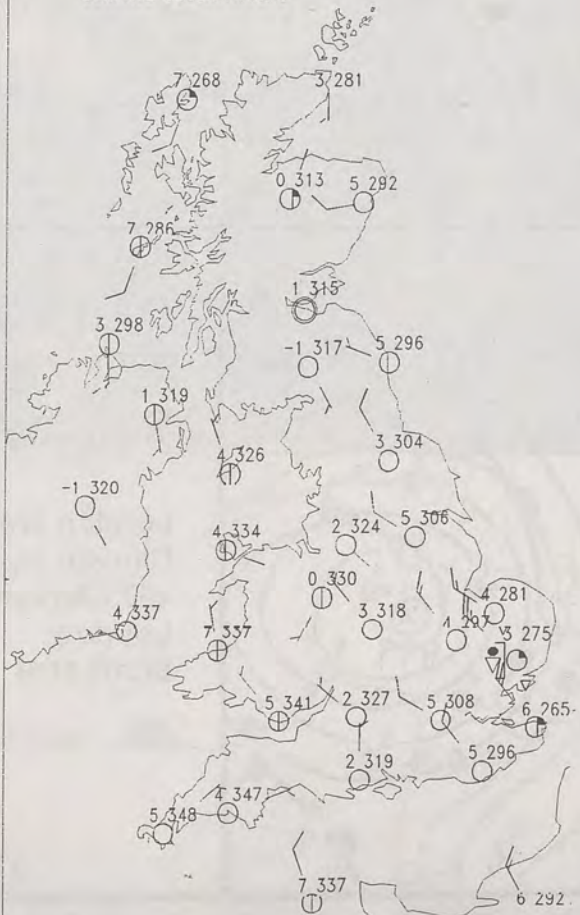


PLOTTED SURFACE OBSERVATIONS

1800 14 NOVEMBER 1993
SURFACE OBSERVATIONS



2400 14 NOVEMBER 1993
SURFACE OBSERVATIONS



SUMMARY OF UK WEATHER SUNDAY 14th November 1993

The overriding feature of the weather during the day was the wind. Over most of England and Wales it was strong all day and at various times reached gale or severe gale force in many areas.

Early in the day it was the southwest and west that suffered the buffeting but the strongest gusts transferred to southeast and East Anglian coasts later in the day. Gusts in excess of 50 knots were commonplace with 71kts being recorded at a land station near the mouth of the Humber. Early in the day, heavy rain was also a problem. Many areas from the Scottish borders south had rain overnight. During the morning though, as the low pressure centre moved away east, the rain became confined to the southeast of England and East Anglia.

Scotland and Northern Ireland, by contrast, had much the best of the weather with just a few showers and sunny periods after a local early frost.

By mid evening, nearly all areas of the country had clearing skies and declining winds, and looked to be heading for a fairly widespread frost away from the coast. The extreme southeast though, still had cloud and fresh winds.

Temperatures during the day were a degree or two below normal.

London Weather Centre

All times are GMT

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0600 14 NOVEMBER 1993
SIGWX



1200 14 NOVEMBER 1993
SIGWX

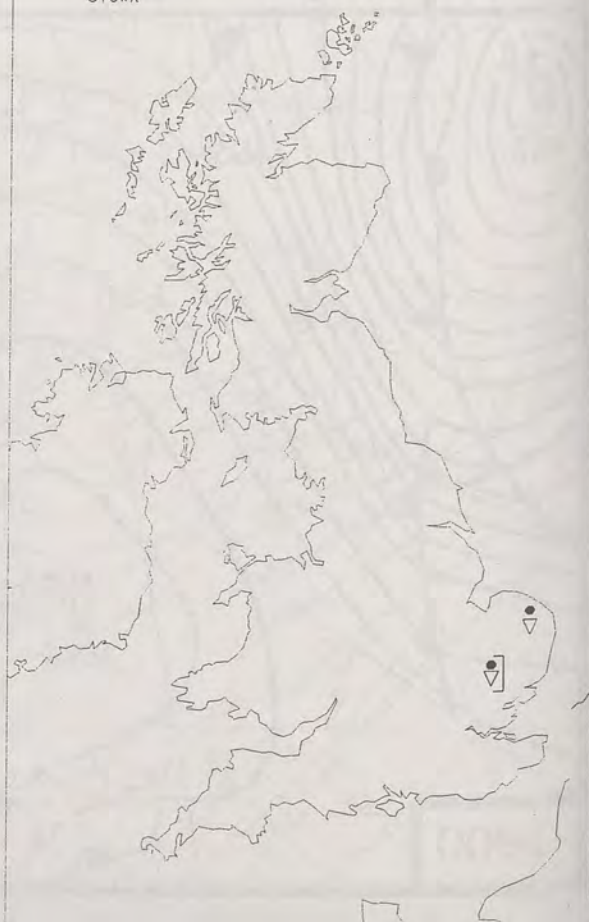


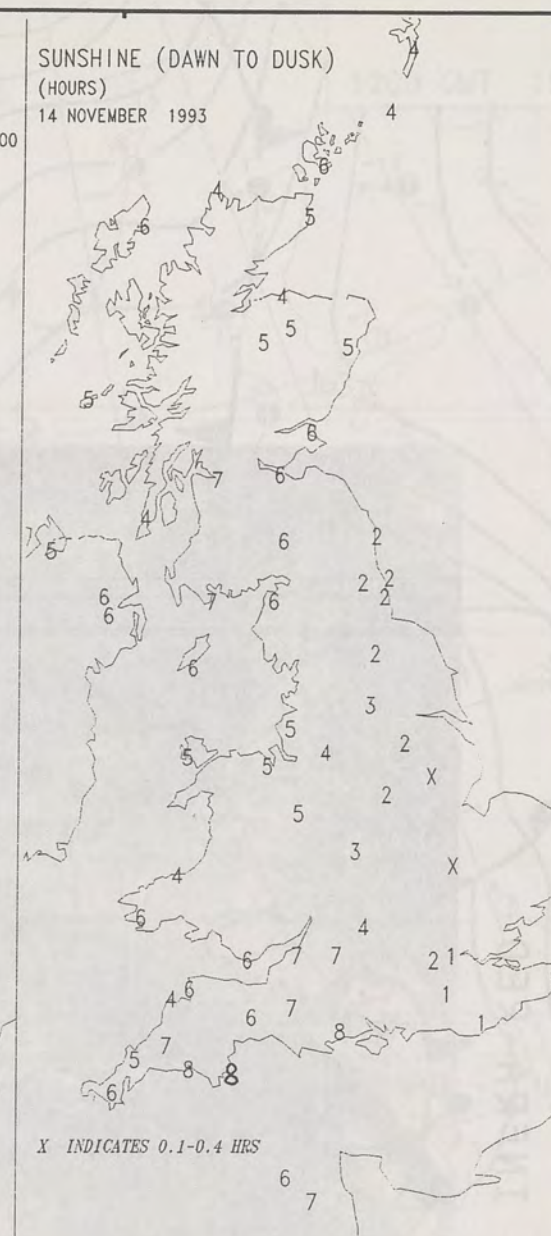
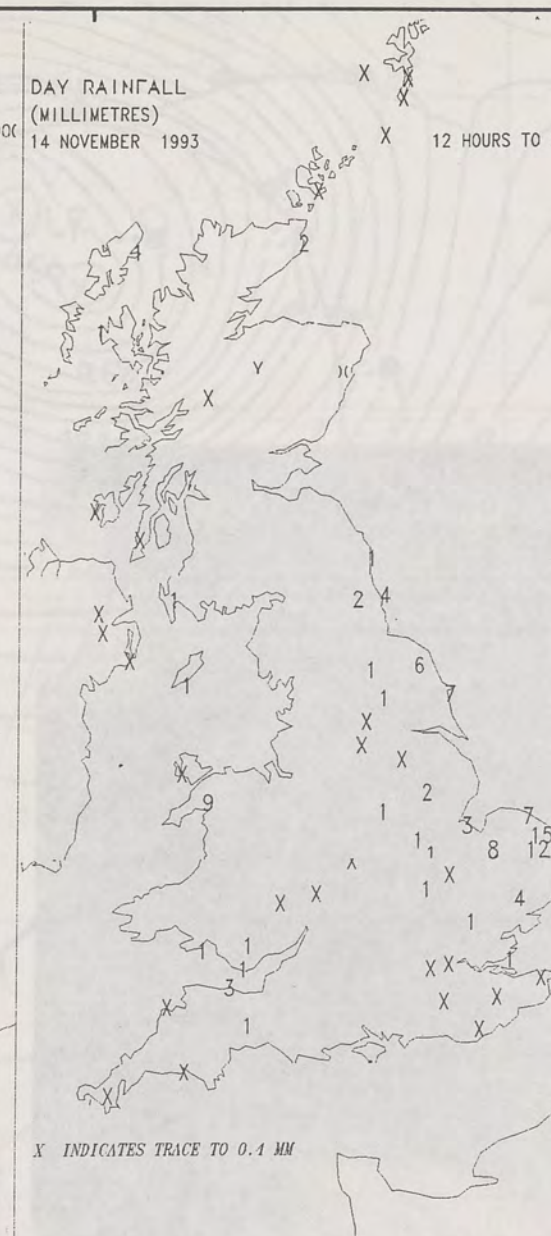
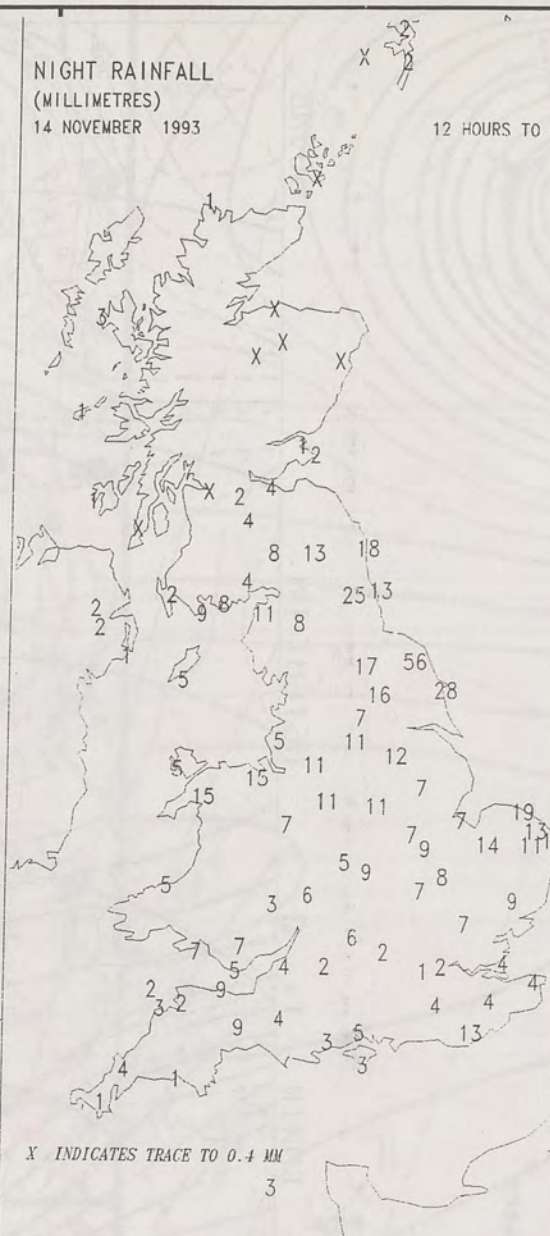
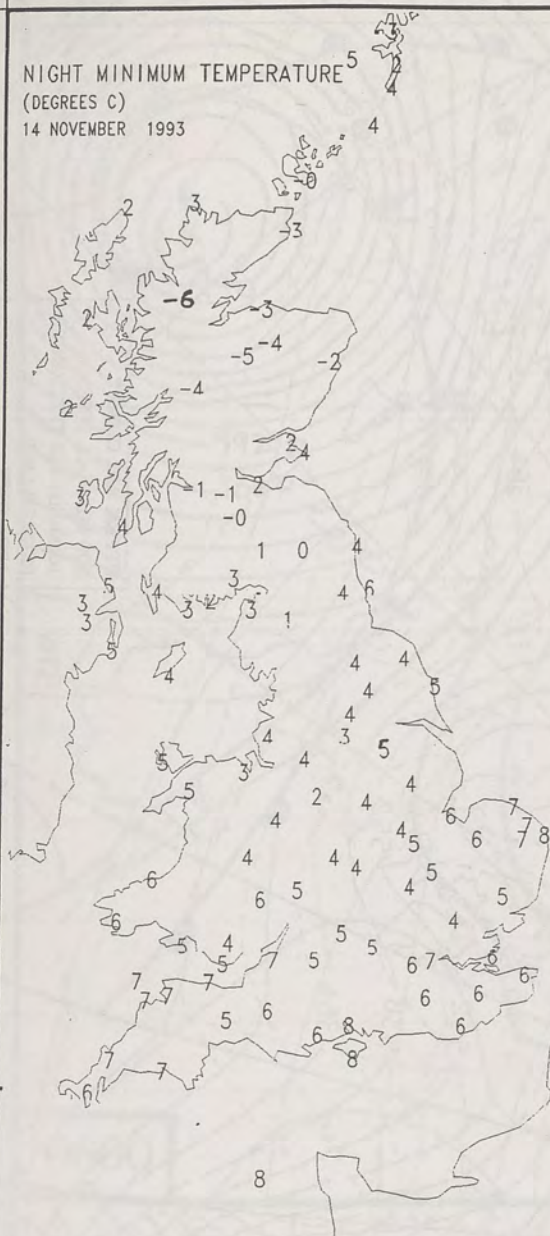
SIGNIFICANT WEATHER CHARTS

1800 14 NOVEMBER 1993
SIGWX



2400 14 NOVEMBER 1993
SIGWX





EXTREMES FOR SUNDAY 14TH NOVEMBER 1993

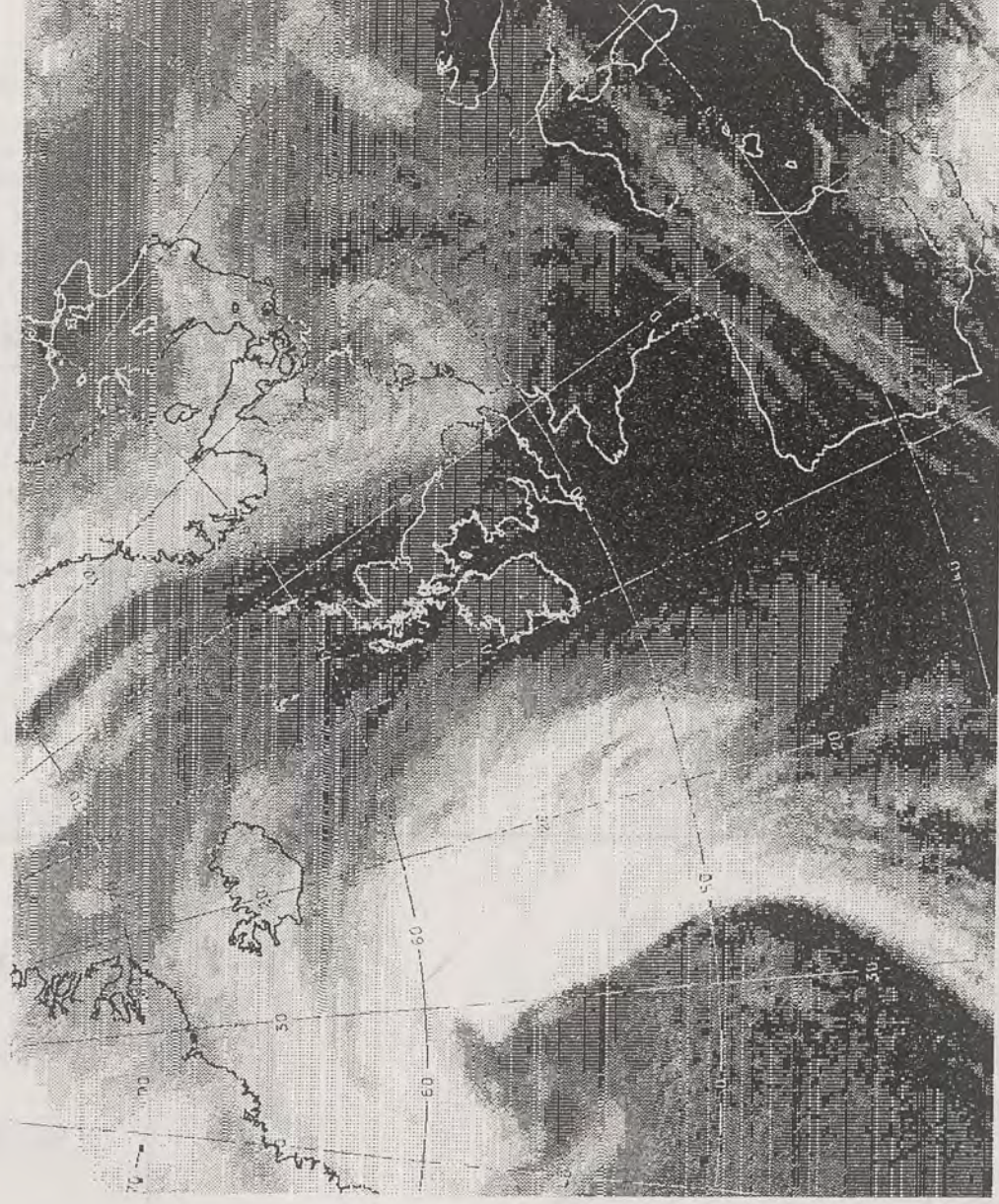
Highest Maximum	: 11.3 C Penzance [Cornwall]
Lowest Maximum	: 4.0 C Spadeadam [Cumbria]
Lowest Minimum	: -6.4 C Altnaharra [Highland]
Lowest Grass Minimum	: -8.9 C Aviemore [Highland]
Most Rain (24 hours from 0900 GMT)	: 15.4 mm Coltishall [Norfolk]
Most Sun	: 8.2 Hrs Teignmouth [Devon]

DAILY WEATHER SUMMARY

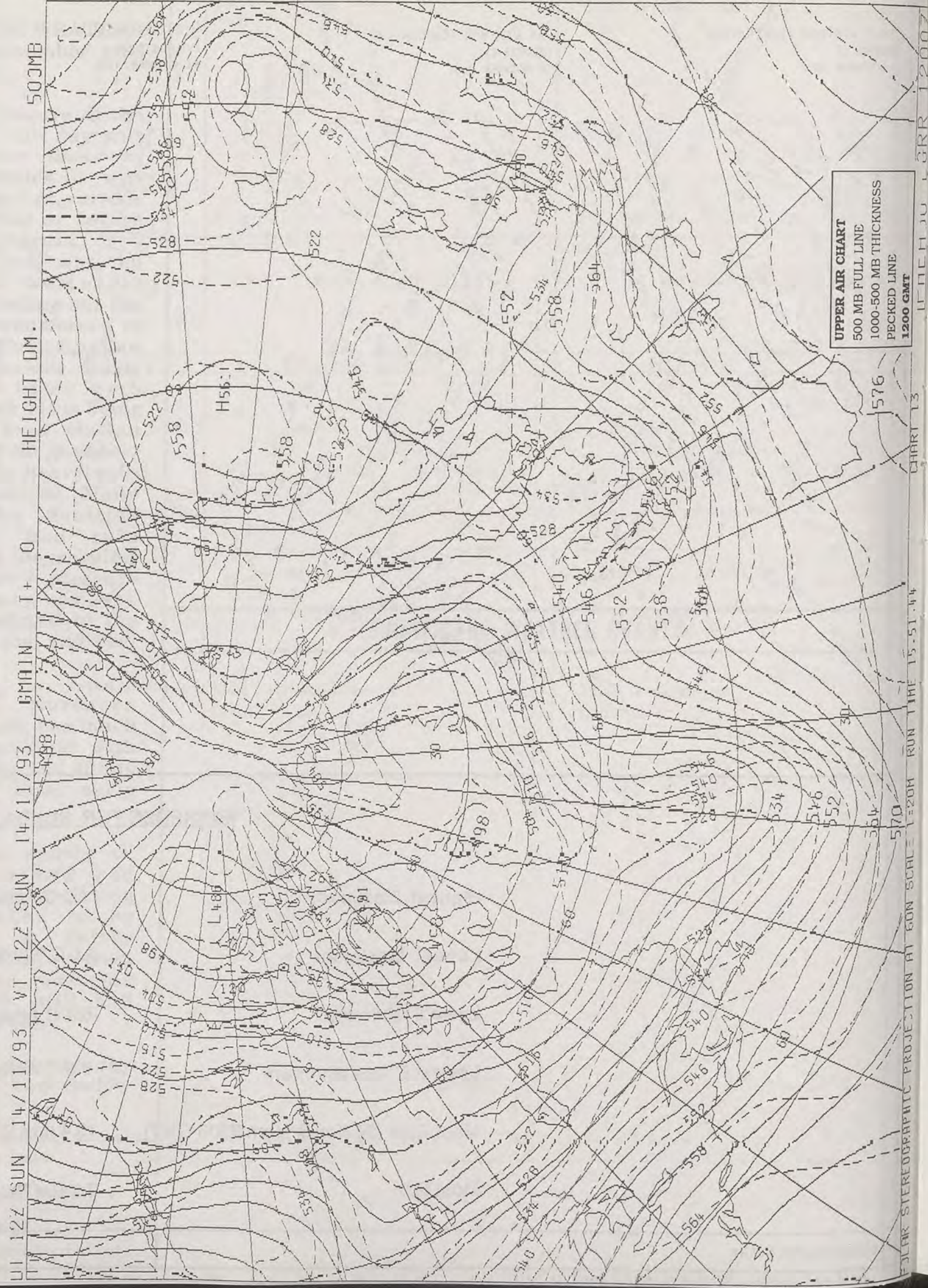


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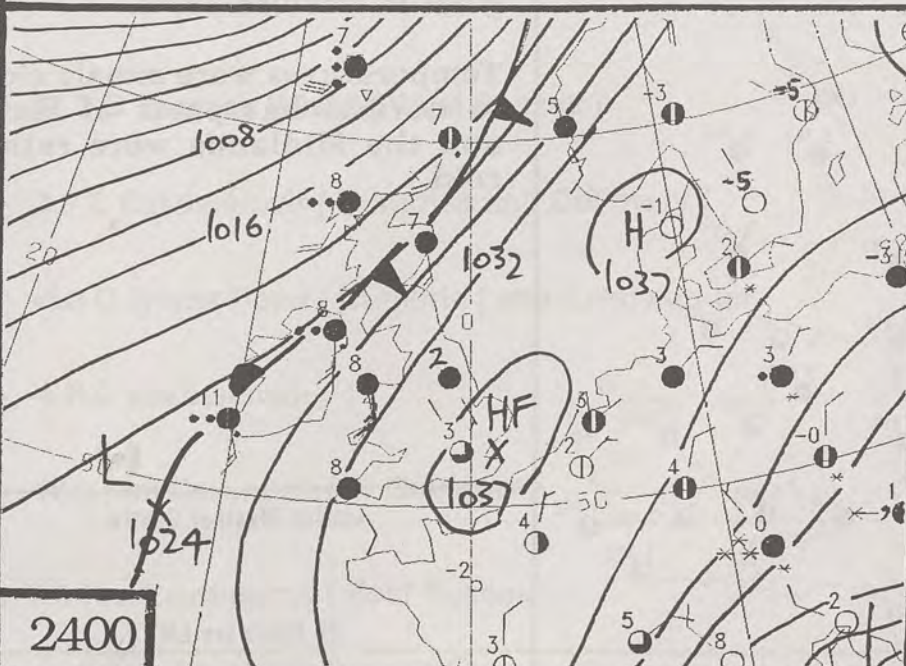
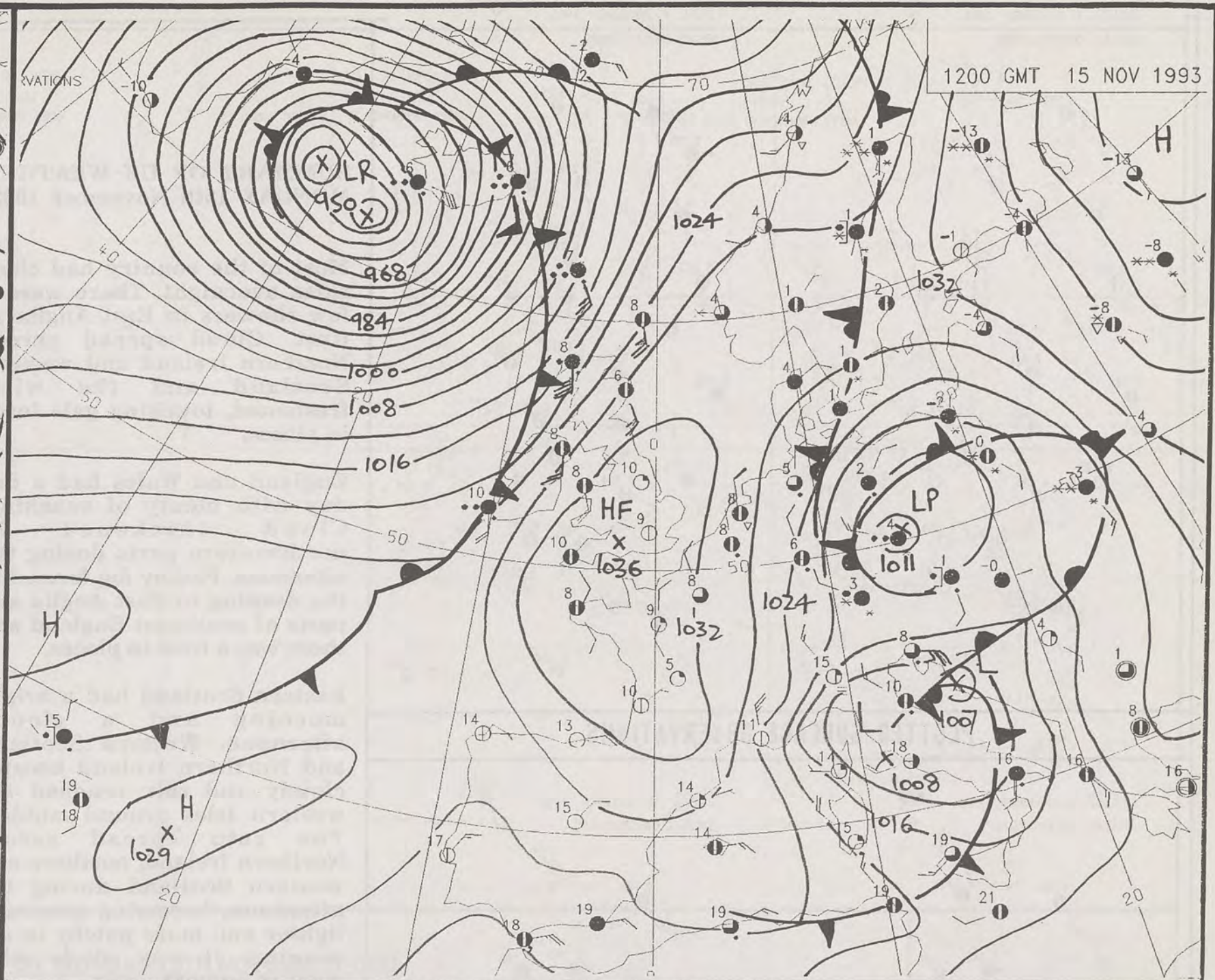
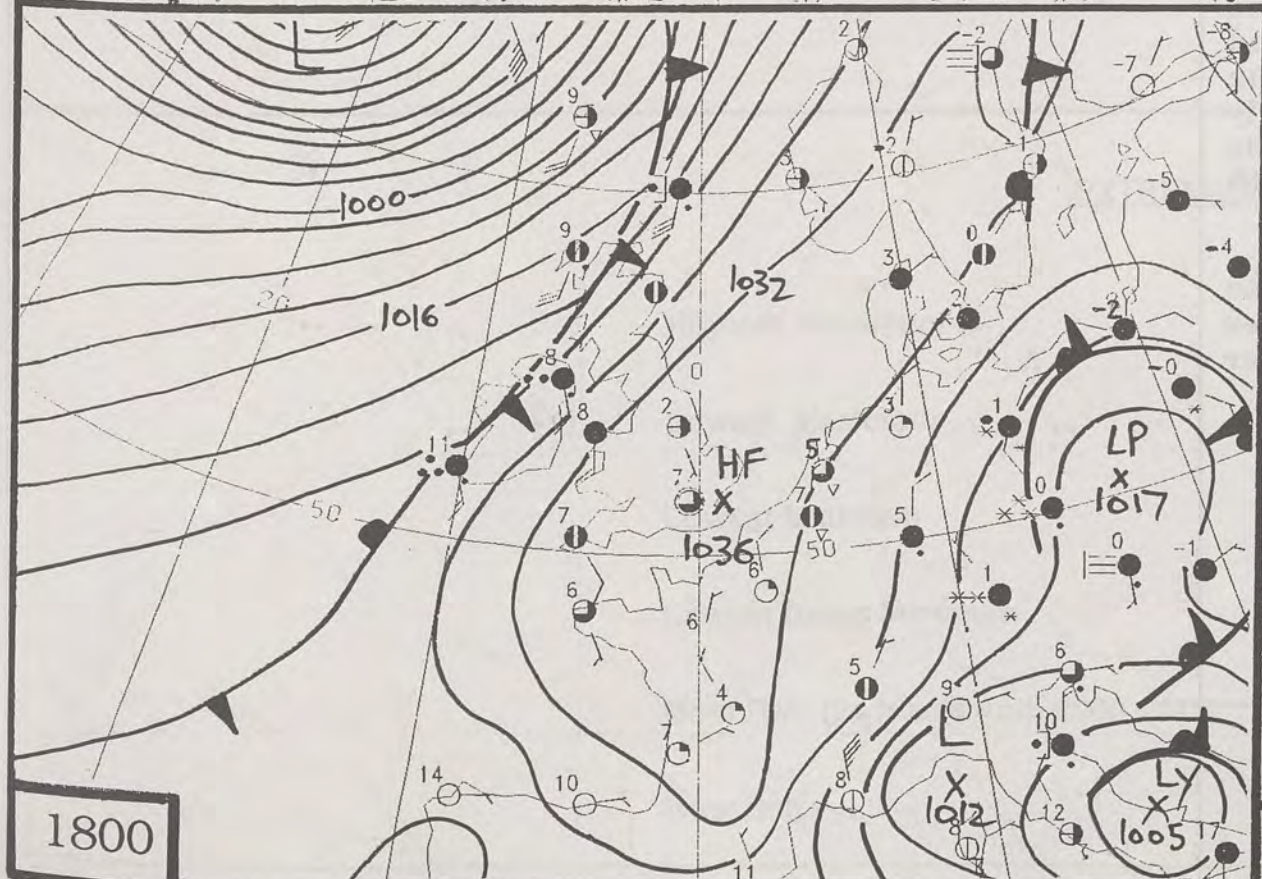
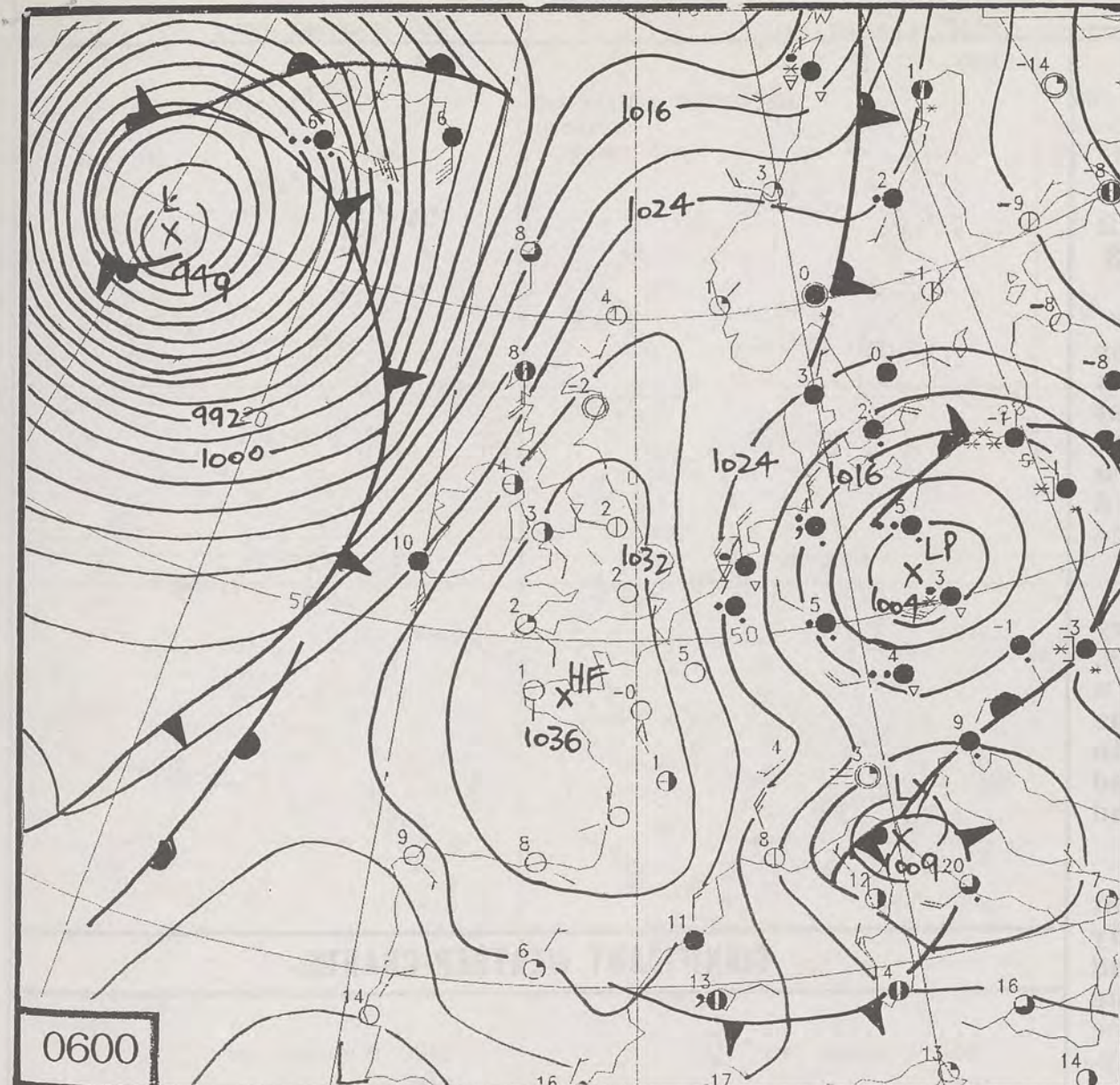
METEOSAT AT 17:30 GMT ON 14/11/93
 INFRA-RED



CLOUD-TOP OR LAND/SEA TEMPERATURE
 COLD WARM



NON
PECKED LINE
1200 GMT
CHART 13
STEREOPHOTOGRAPHIC PROJECTION AT CON SCALE 1:20M RUN TIME 15.51.44
570



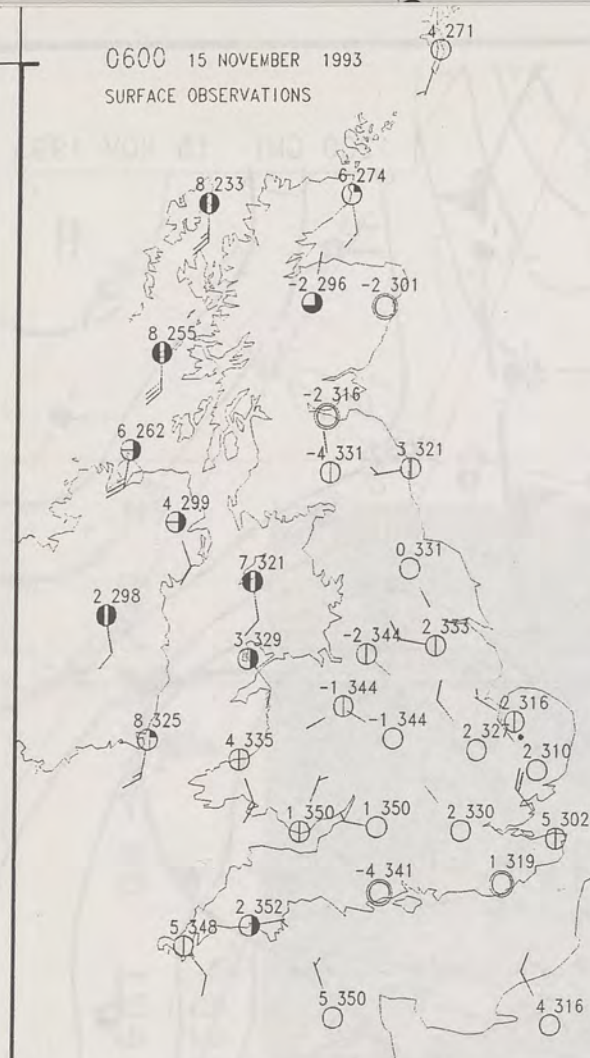
DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Monday 15th November 1993

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB

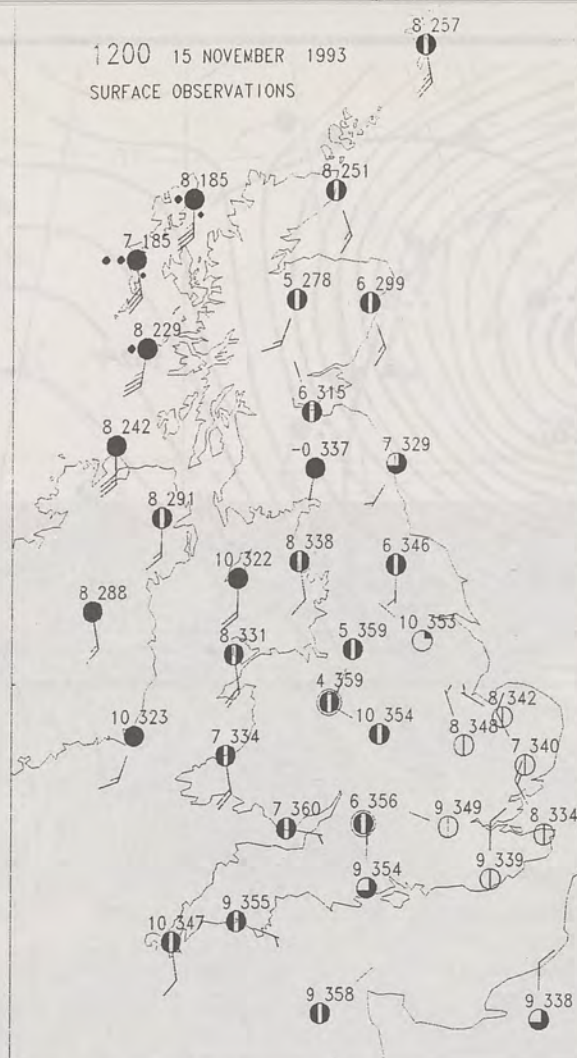


Warm front Cold front Occlusion

0600 15 NOVEMBER 1993
SURFACE OBSERVATIONS

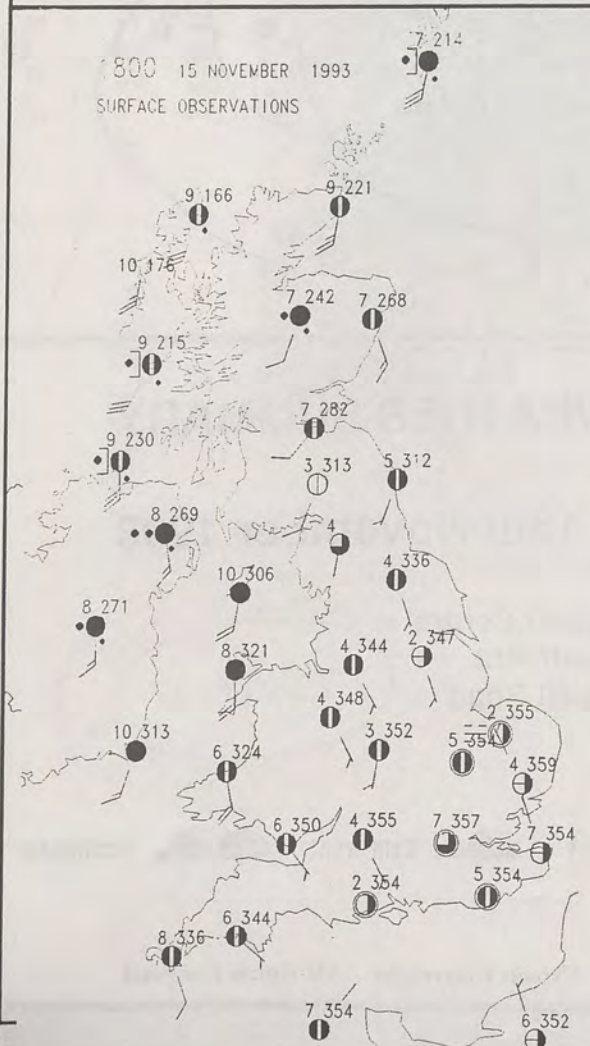


1200 15 NOVEMBER 1993
SURFACE OBSERVATIONS



PLOTTED SURFACE OBSERVATIONS

1800 15 NOVEMBER 1993
SURFACE OBSERVATIONS



2400 15 NOVEMBER 1993
SURFACE OBSERVATIONS



SUMMARY OF UK WEATHER MONDAY 15th November 1993

Most of the country had clear skies overnight. There were a few showers in East Anglia at first. Cloud spread across Northern Ireland and western Scotland and the wind freshened, touching gale force in places.

England and Wales had a dry day with plenty of sunshine. Cloud thickened in northwestern parts during the afternoon. Patchy fog formed in the evening in East Anglia and parts of southeast England and there was a frost in places.

Eastern Scotland had a bright morning and a cloudy afternoon. Western Scotland and Northern Ireland became cloudy and rain reached the western Isles around midday. The rain spread across Northern Ireland, northern and western Scotland during the afternoon, becoming generally lighter and more patchy in the evening. It was windy with gales in western parts.

Temperatures were mostly close to normal but parts of Wales and the Midlands were rather cold.

London Weather Centre

All times are GMT

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0600 15 NOVEMBER 1993
SIGWX



1200 15 NOVEMBER 1993
SIGWX



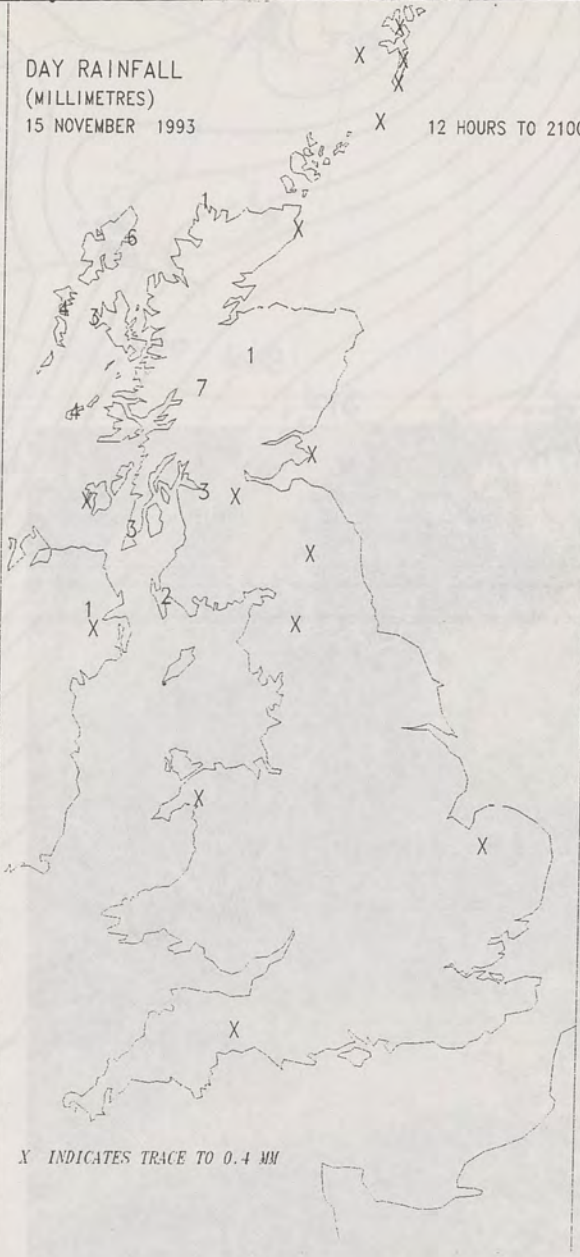
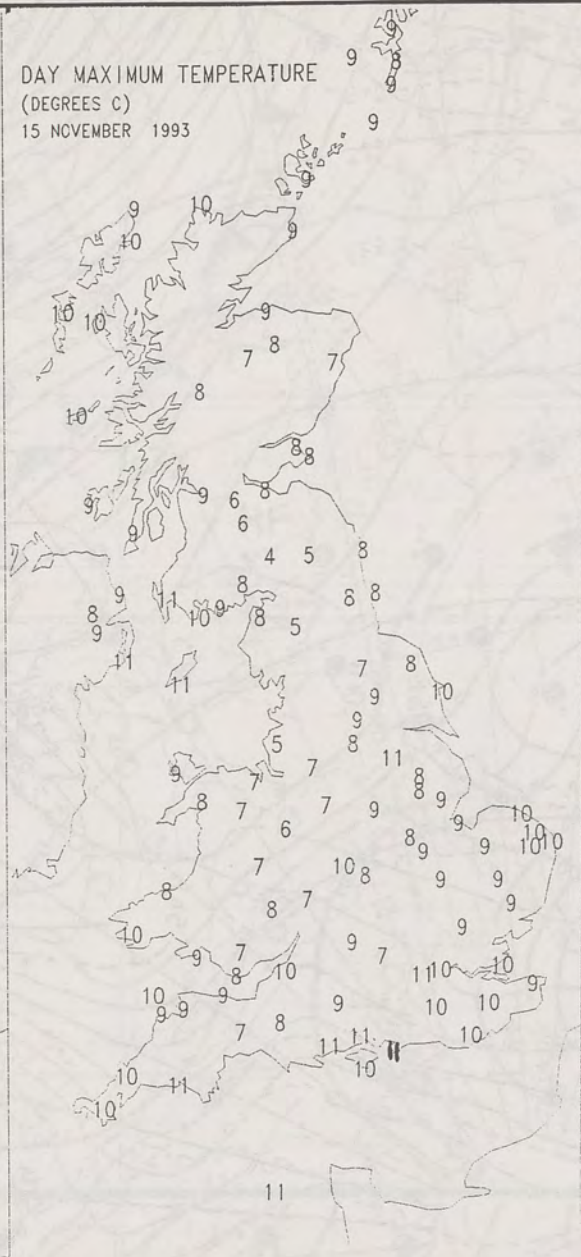
SIGNIFICANT WEATHER CHARTS

1800 15 NOVEMBER 1993
SIGWX



2400 15 NOVEMBER 1993
SIGWX





EXTREMES FOR MONDAY 15TH NOVEMBER 1993

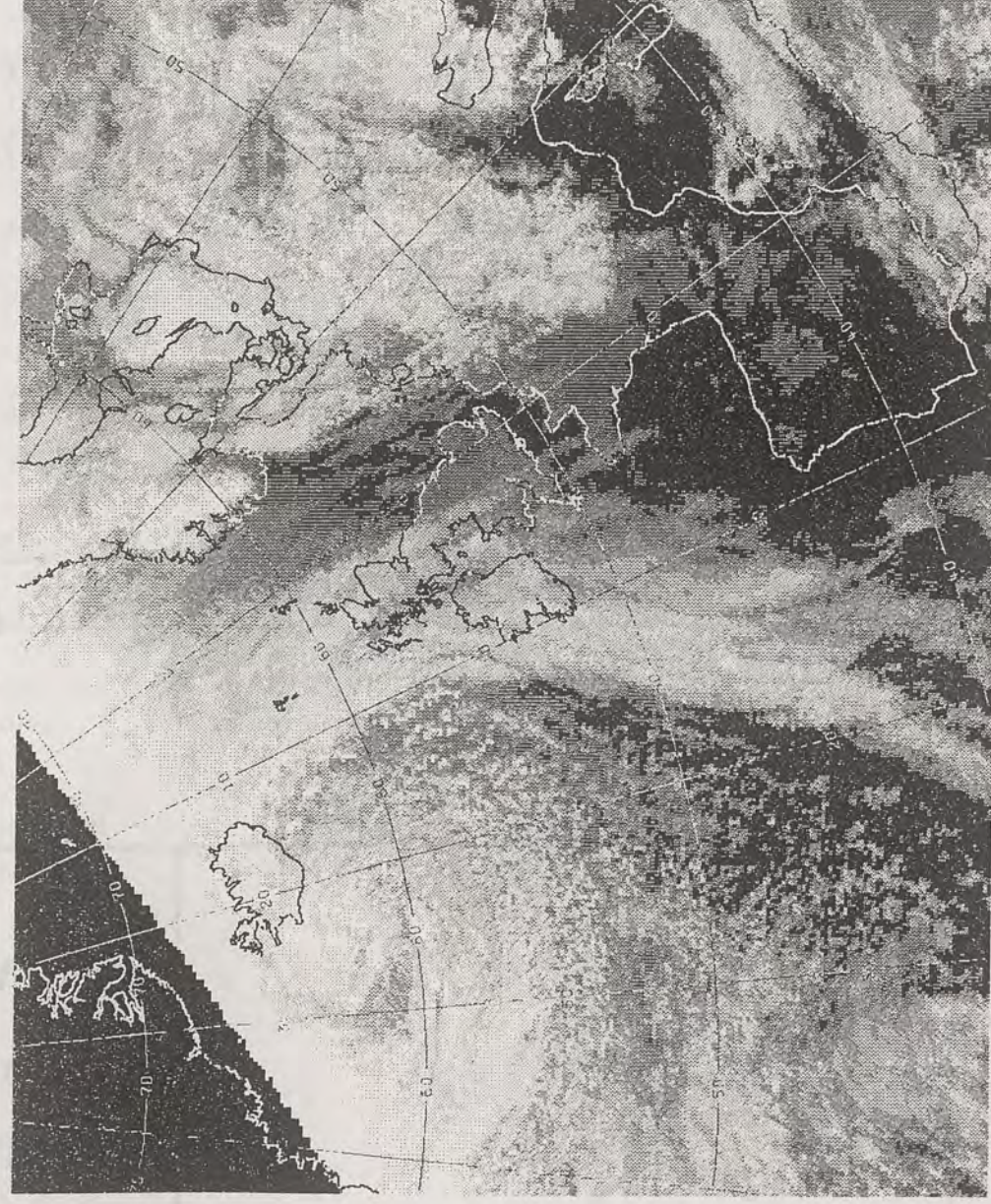
Highest Maximum	: 11.3 C Thorney Island [West Sussex]
Lowest Maximum	: 3.9 C Eskdalemuir [Dumfries and Galloway]
Lowest Minimum	: -5.0 C Whins Pond [Cumbria] and Eskdalemuir
Lowest Grass Minimum	: -8.8 C Eskdalemuir
Most Rain (24 hours from 0900 GMT)	: 16.1 mm Greenock [nr Glasgow]
Most Sun	: 7.6 Hrs Eastbourne [East Sussex]

DAILY WEATHER SUMMARY



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METE05AT AT 11:30 GMT ON 15/11/93
VISIBLE

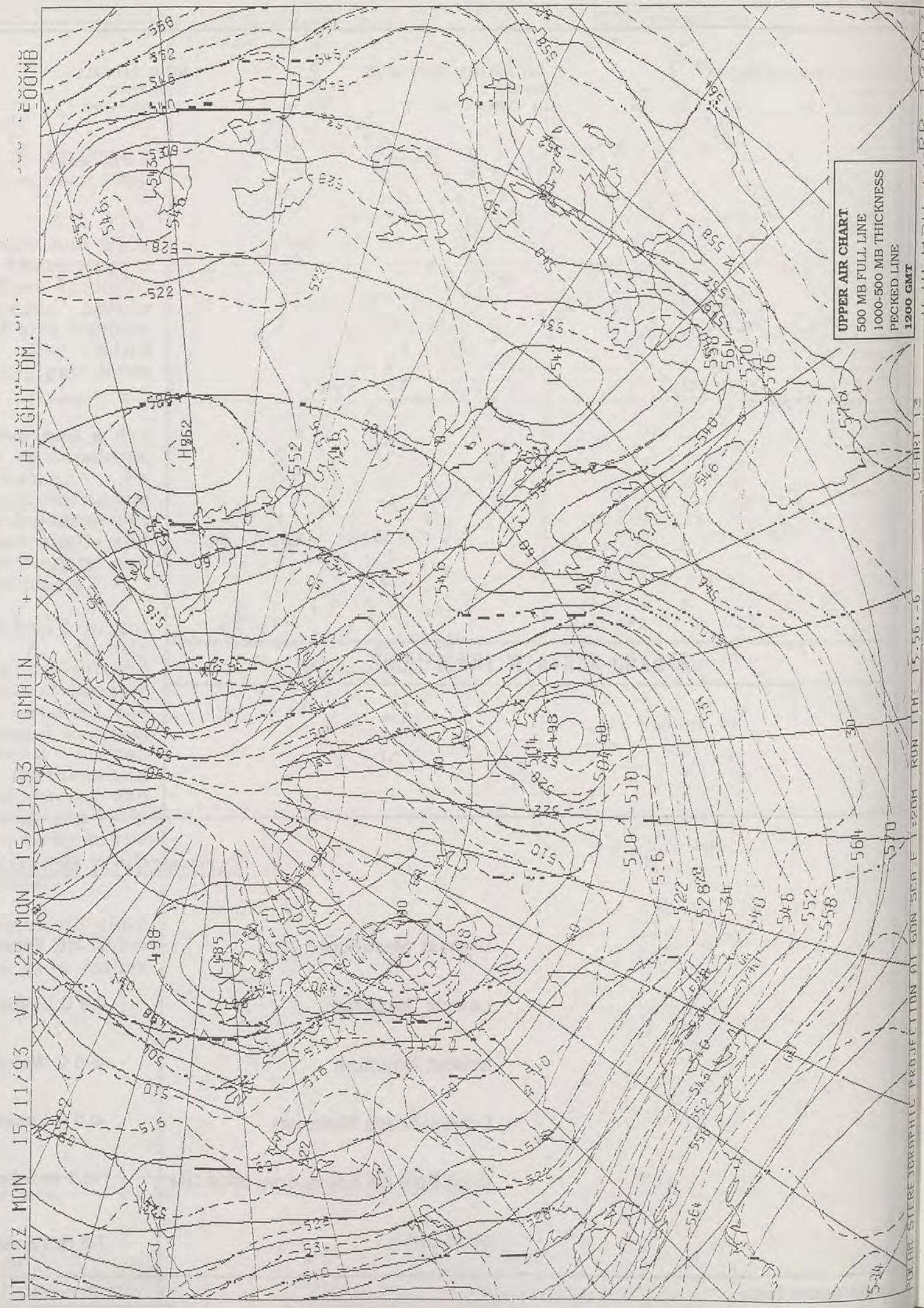


CLOUD THICKNESS

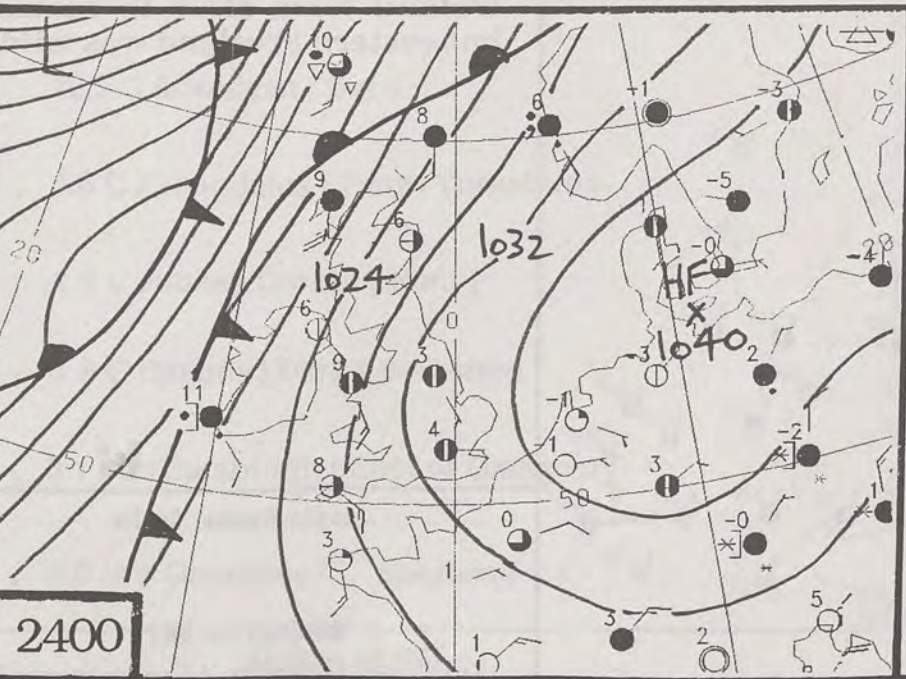
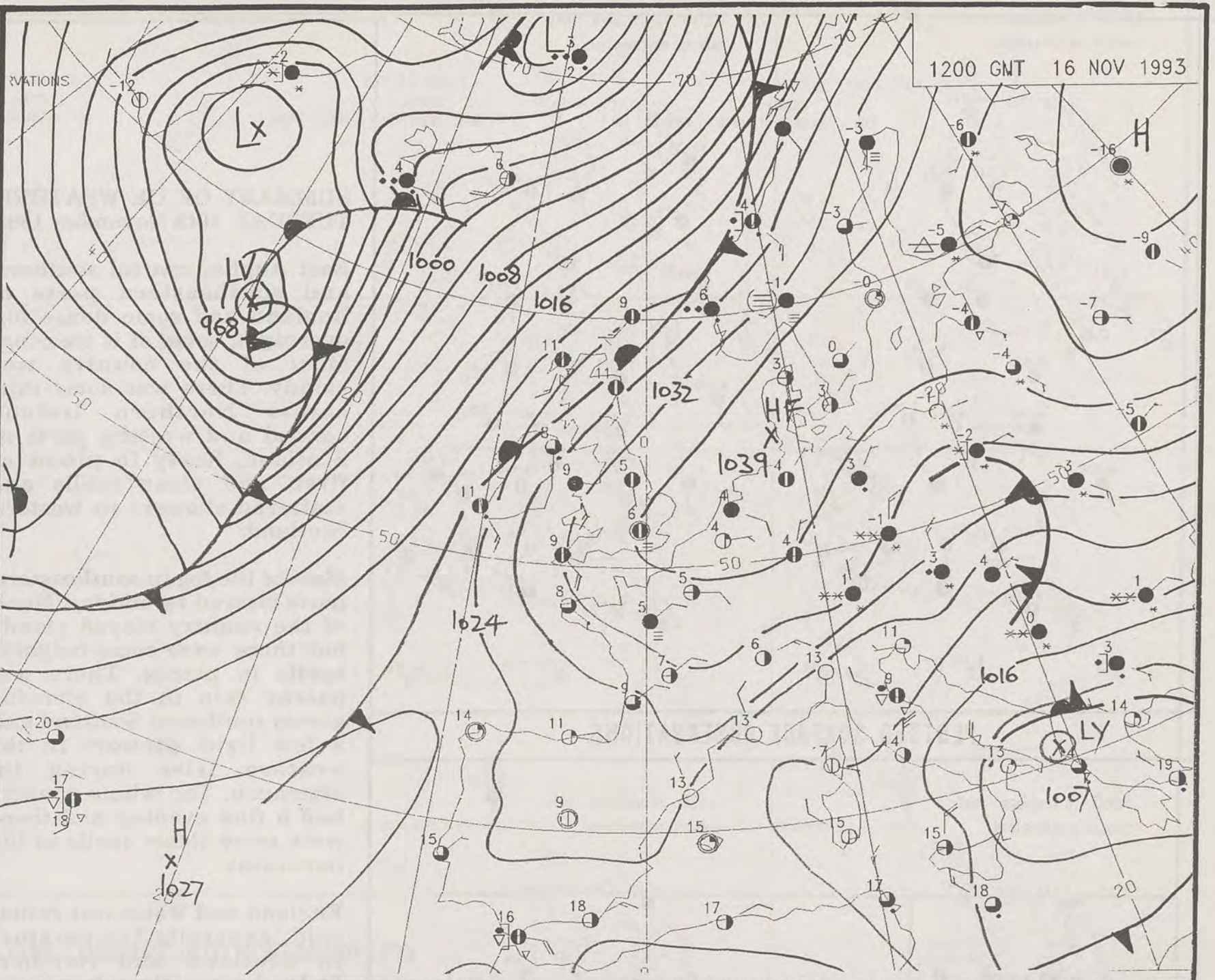
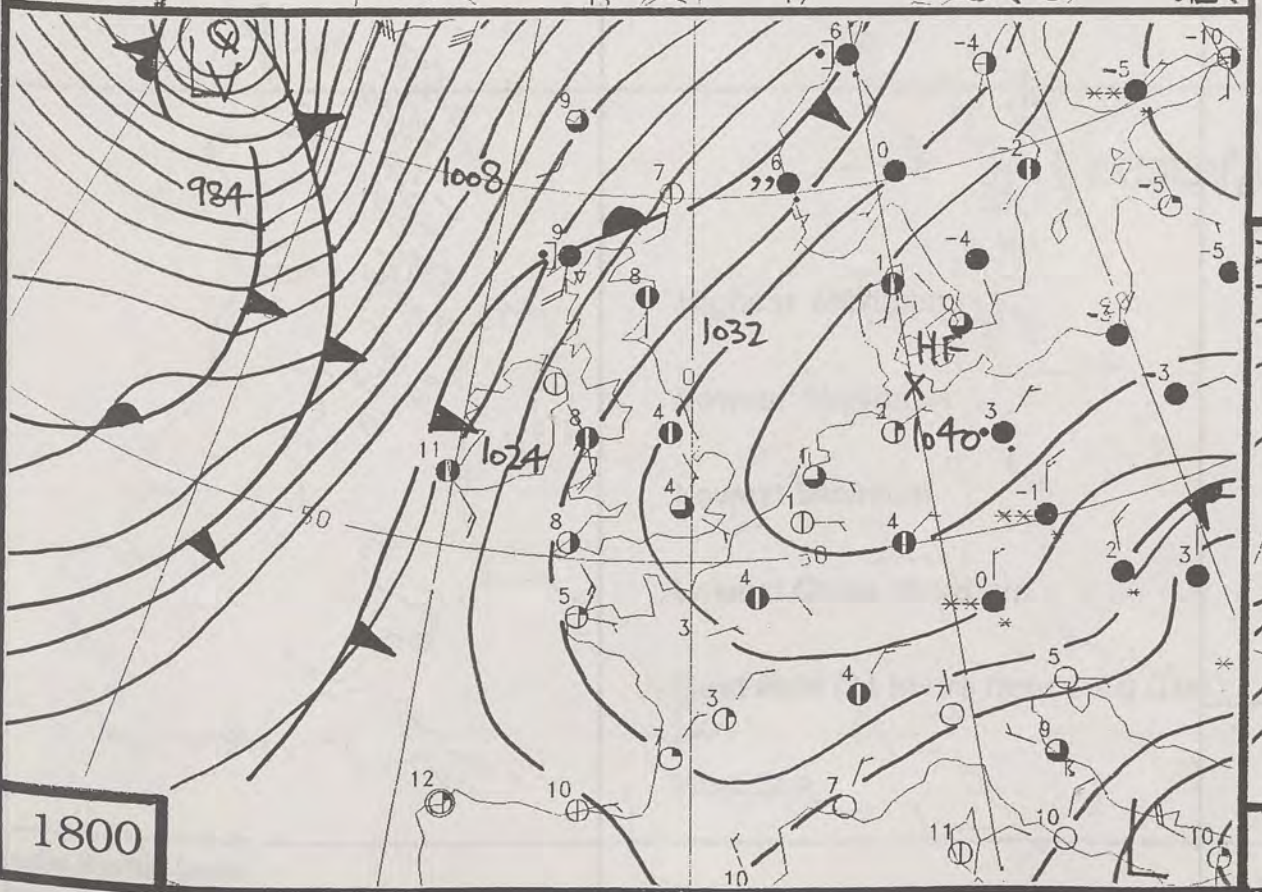
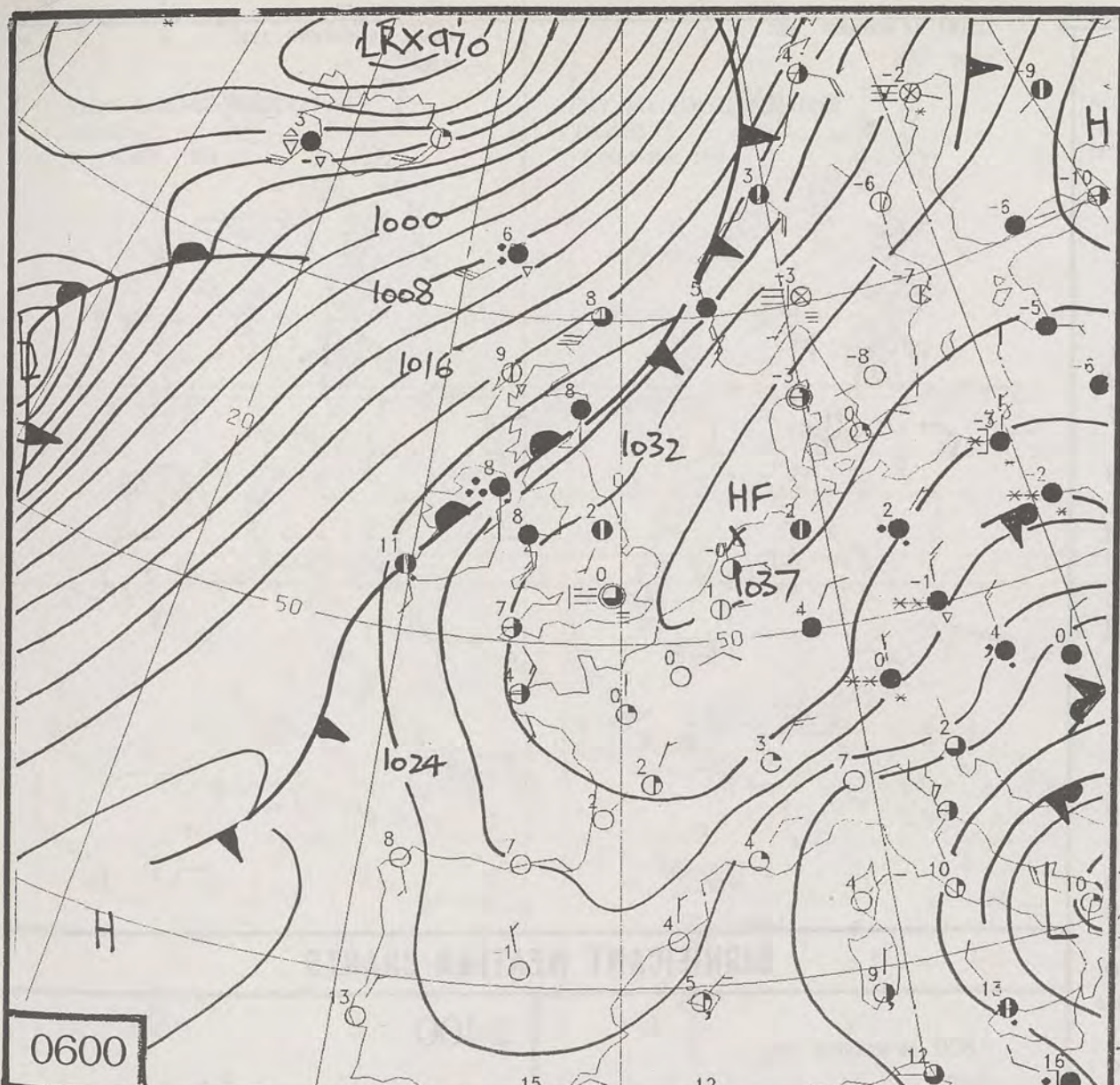
THICK



THIN



1000-500 Mm THICKNESS
PECKED LINE
1200 GMT
CHART 12
POLAR STEREOGRAPHIC PROJECTION AT CON SEC E 120M RUN 11M 15.56-6



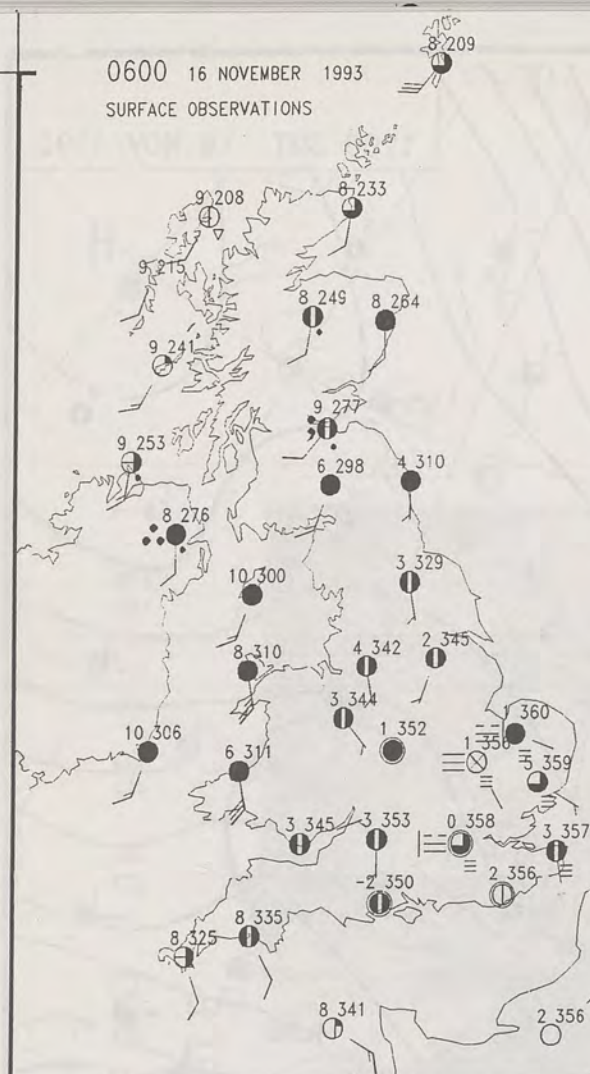
DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Tuesday 16th November 1993

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB

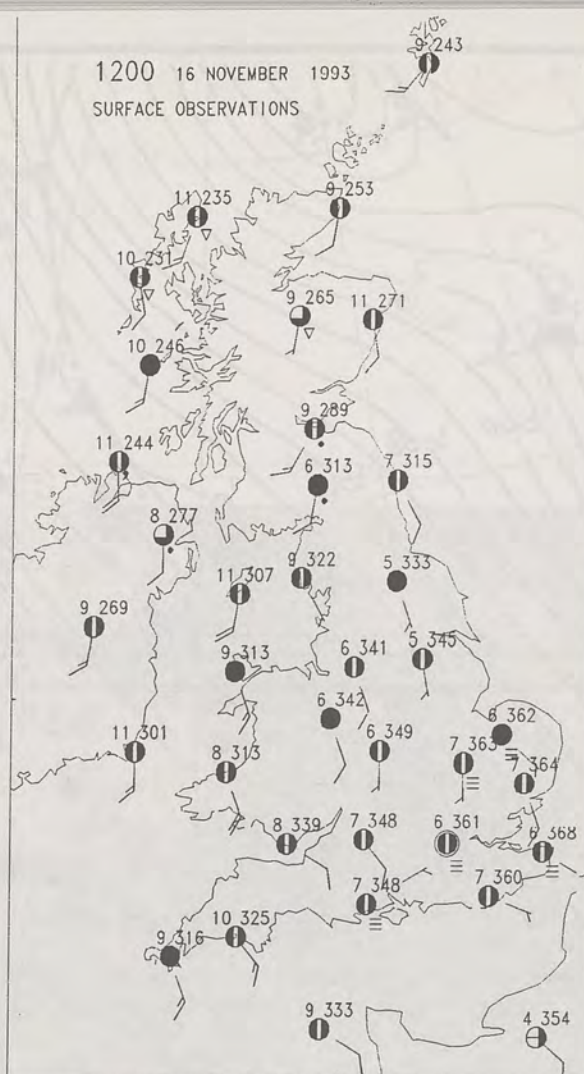


Warm front Cold front Occlusion

0600 16 NOVEMBER 1993
SURFACE OBSERVATIONS



1200 16 NOVEMBER 1993
SURFACE OBSERVATIONS

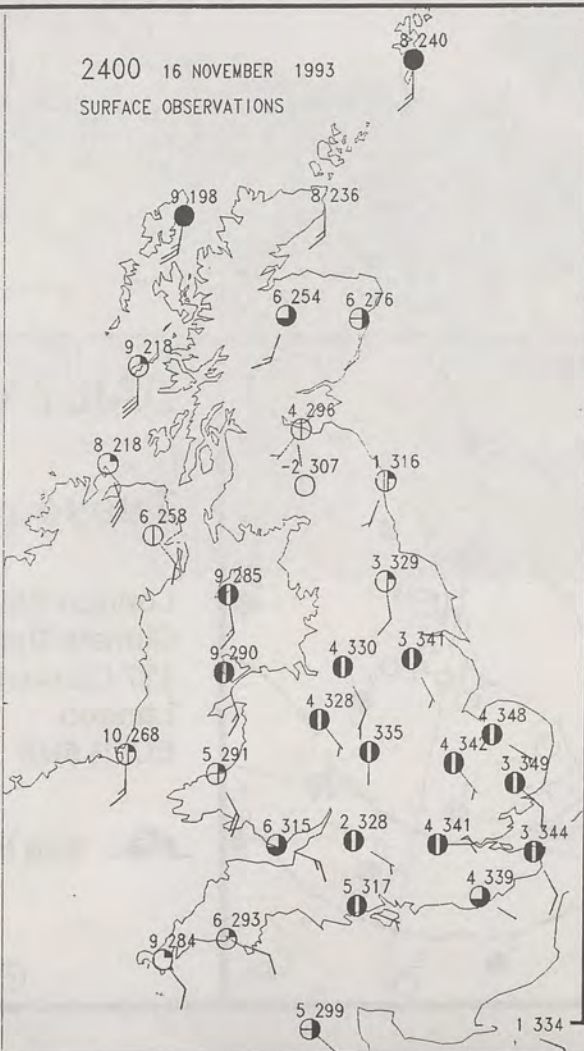


PLOTTED SURFACE OBSERVATIONS

1800 16 NOVEMBER 1993
SURFACE OBSERVATIONS



2400 16 NOVEMBER 1993
SURFACE OBSERVATIONS



SUMMARY OF UK WEATHER TUESDAY 16th November 1993

East Anglia, central southern and southeastern parts of England had some dense fog overnight, some of it freezing. Most of the country was cloudy. There was some rain across Northern Ireland, central and western parts of Scotland, heavy in places at first, and clear spells and scattered showers in western Scotland.

Most of the fog in southeastern parts cleared by midday. Much of the country stayed cloudy but there were some brighter spells in places. There was patchy rain in the morning across southwest Scotland and a few light showers in the western Isles during the afternoon. The whole country had a fine evening and there were some clears spells in the northwest.

England and Wales was rather cold generally. Temperatures in Scotland and Northern Ireland were close to normal but eastern Scotland was mild.

London Weather Centre

All times are GMT

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0600 16 NOVEMBER 1993
SIGWX



1200 16 NOVEMBER 1993
SIGWX



SIGNIFICANT WEATHER CHARTS

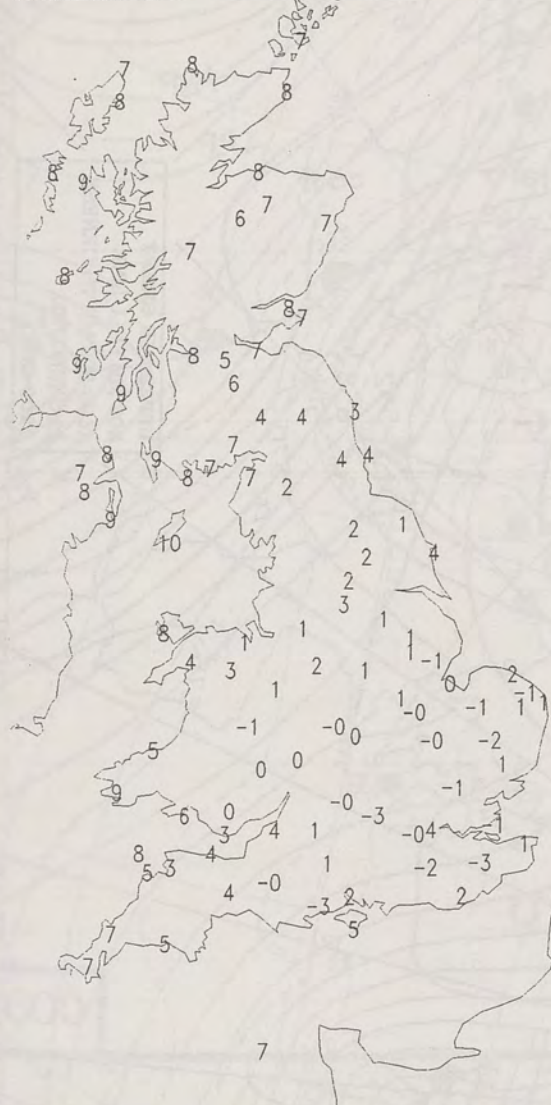
1800 16 NOVEMBER 1993
SIGWX



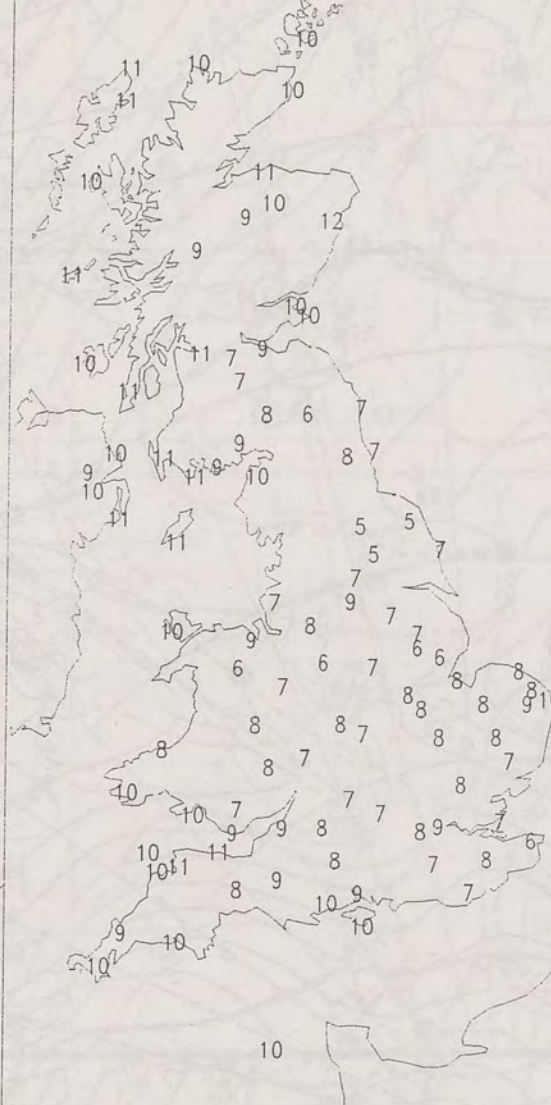
2400



NIGHT MINIMUM TEMPERATURE
(DEGREES C)
16 NOVEMBER 1993



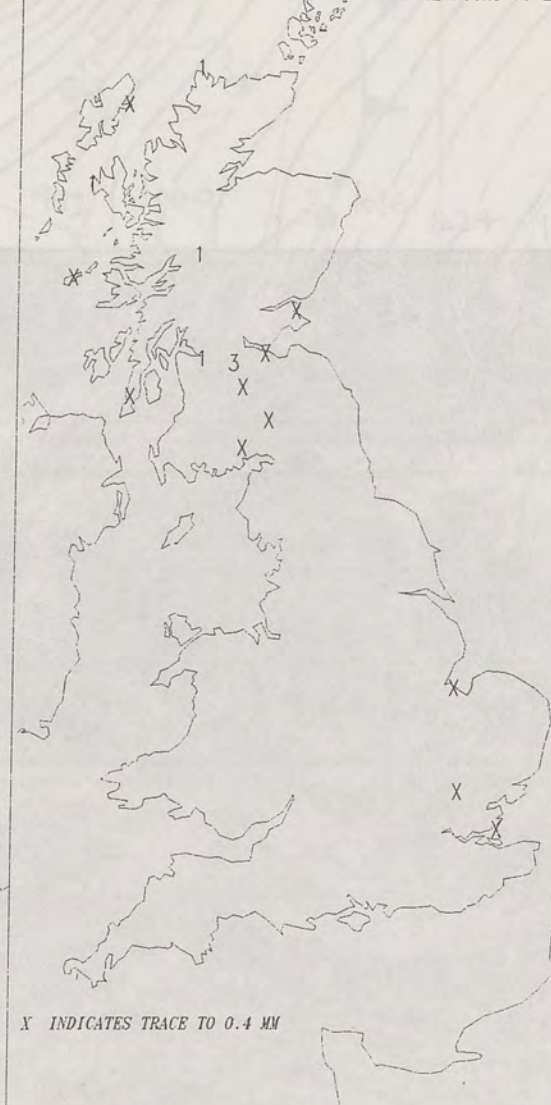
DAY MAXIMUM TEMPERATURE
(DEGREES C)
16 NOVEMBER 1993



NIGHT RAINFALL
(MILLIMETRES)
16 NOVEMBER 1993



DAY RAINFALL
(MILLIMETRES)
16 NOVEMBER 1993



SUNSHINE (DAWN TO DUSK)
(HOURS)
16 NOVEMBER 1993



EXTREMES FOR TUESDAY 16TH NOVEMBER 1993

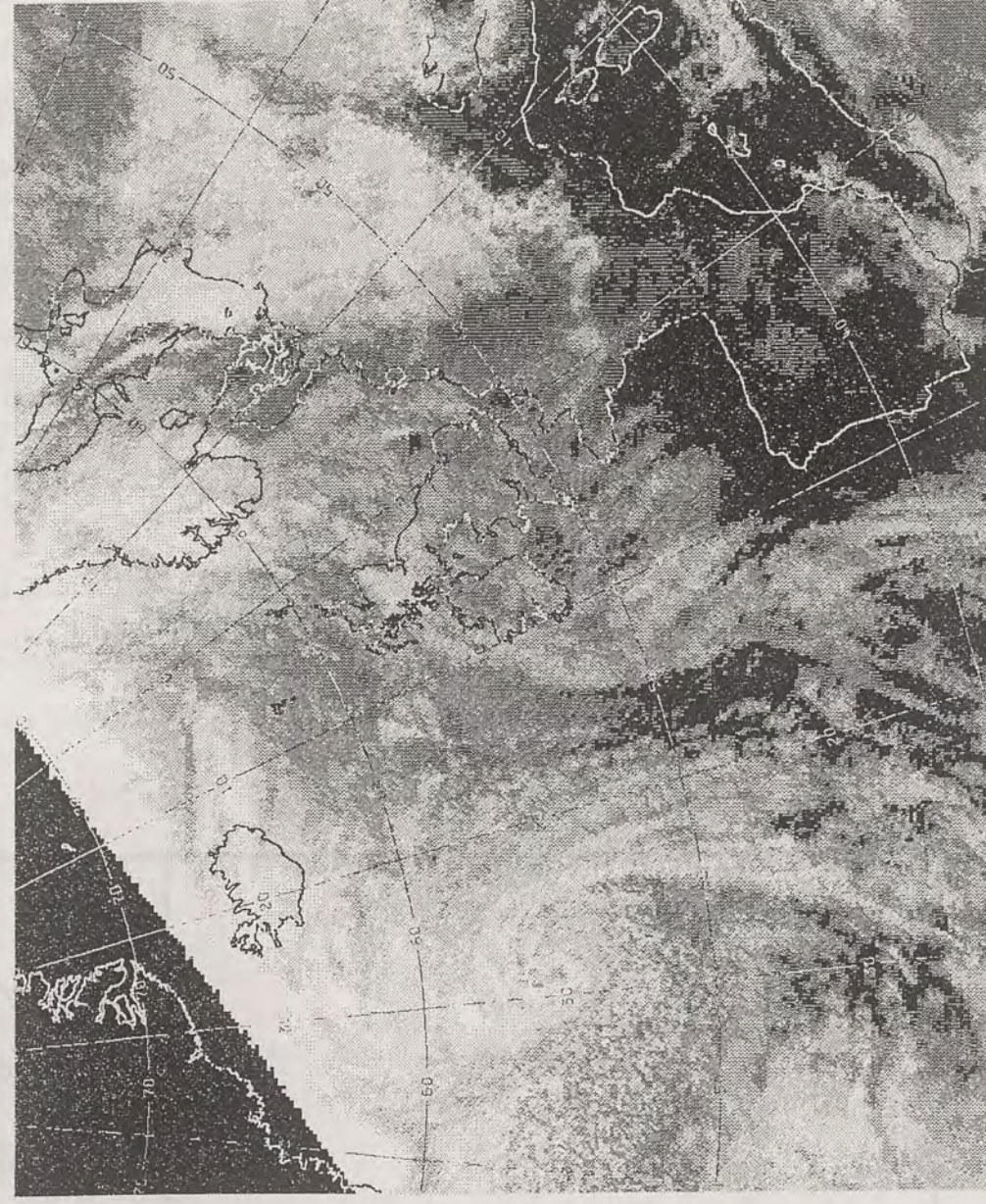
Highest Maximum	: 12.2 C Aberdeen / Dyce
Lowest Maximum	: 4.6 C Fylingdales [North Yorkshire]
Lowest Minimum	: -2.9 C Jubilee Corner [Kent]
Lowest Grass Minimum	: -7.6 C Beaufort Park [Berkshire]
Most Rain (24 hours from 0900 GMT)	: 3.1 mm Salsburgh [East of Glasgow]
Most Sun	: 6.0 Hrs Guernsey / L 'Ancresse

DAILY WEATHER SUMMARY

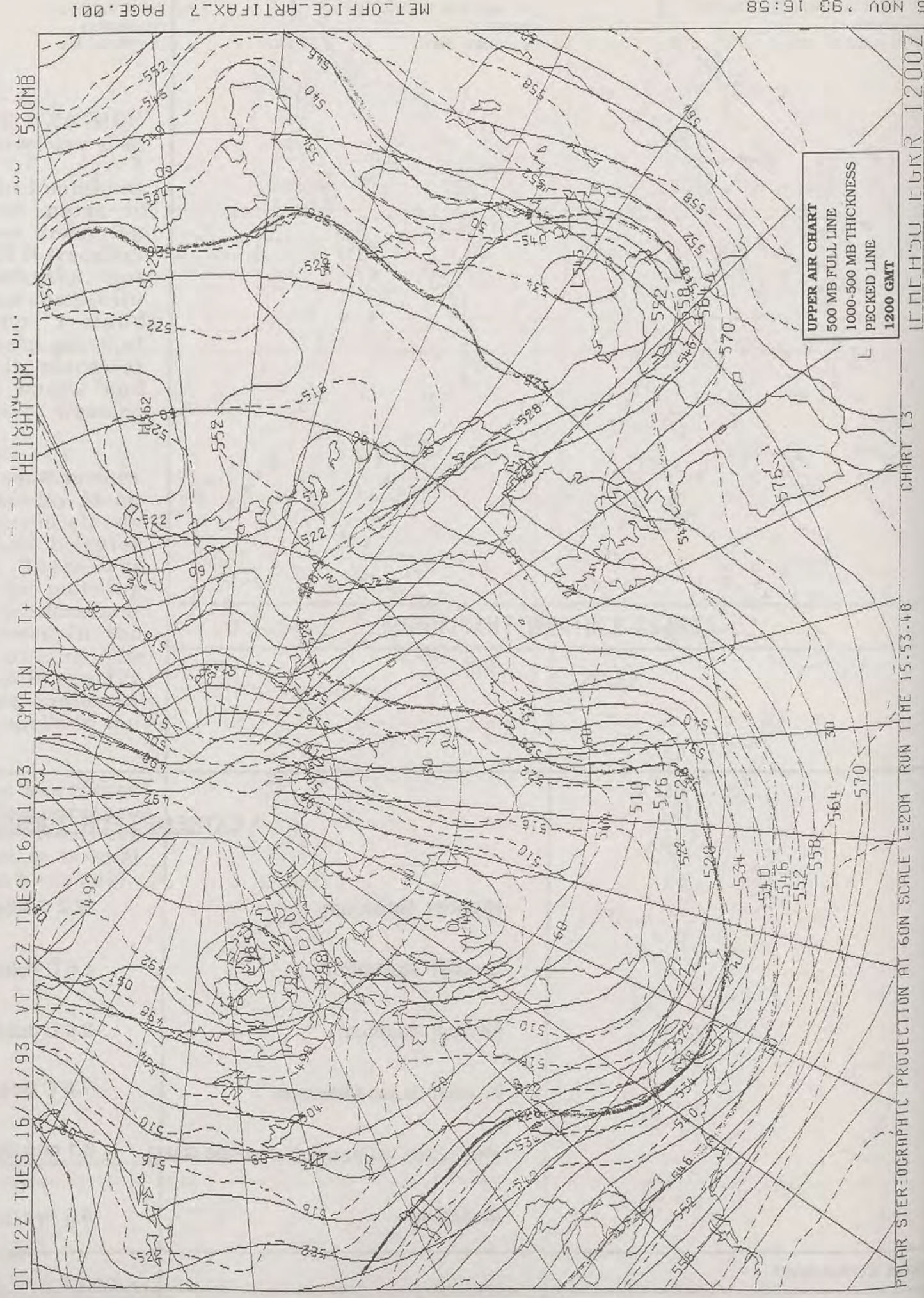


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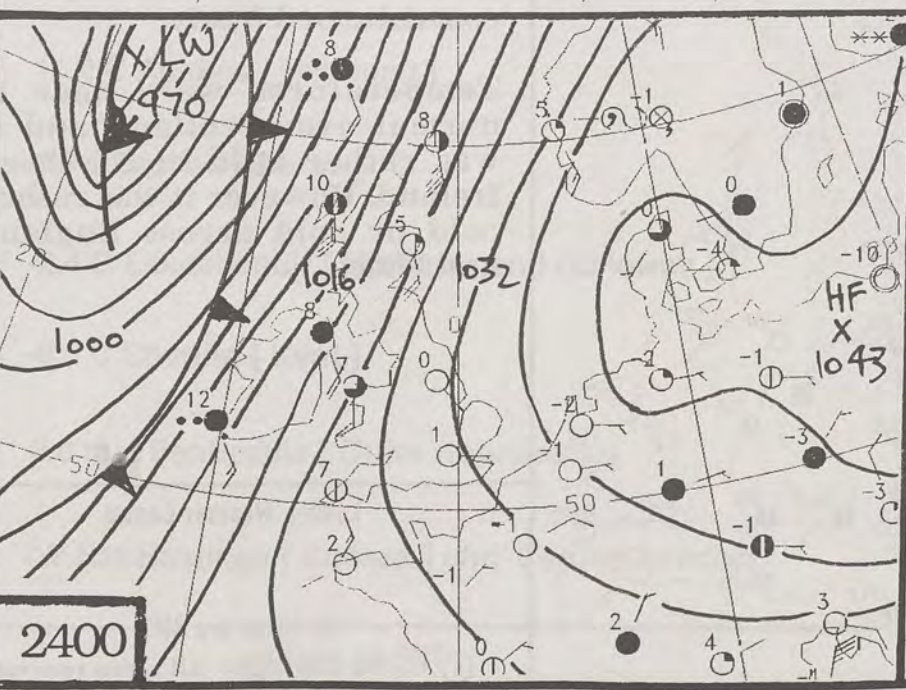
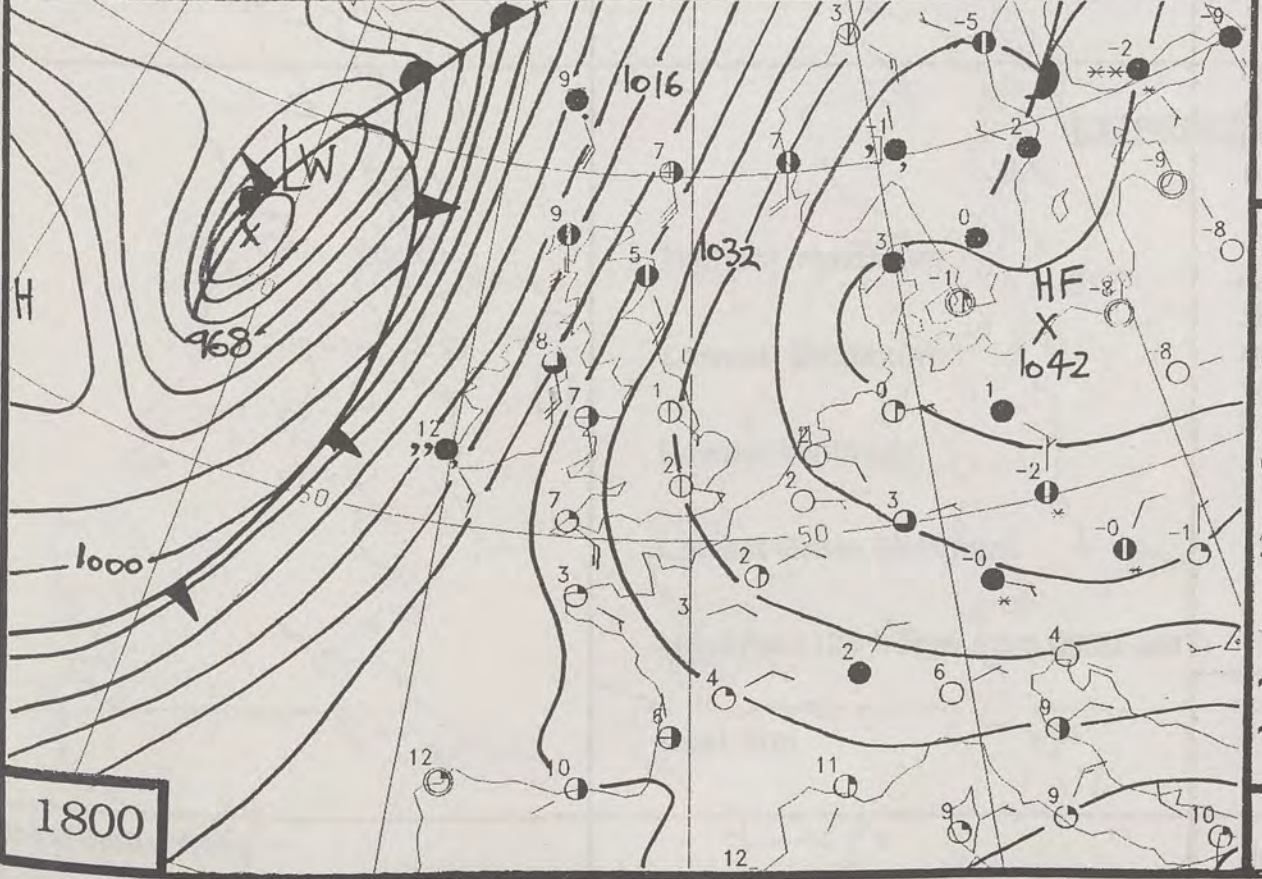
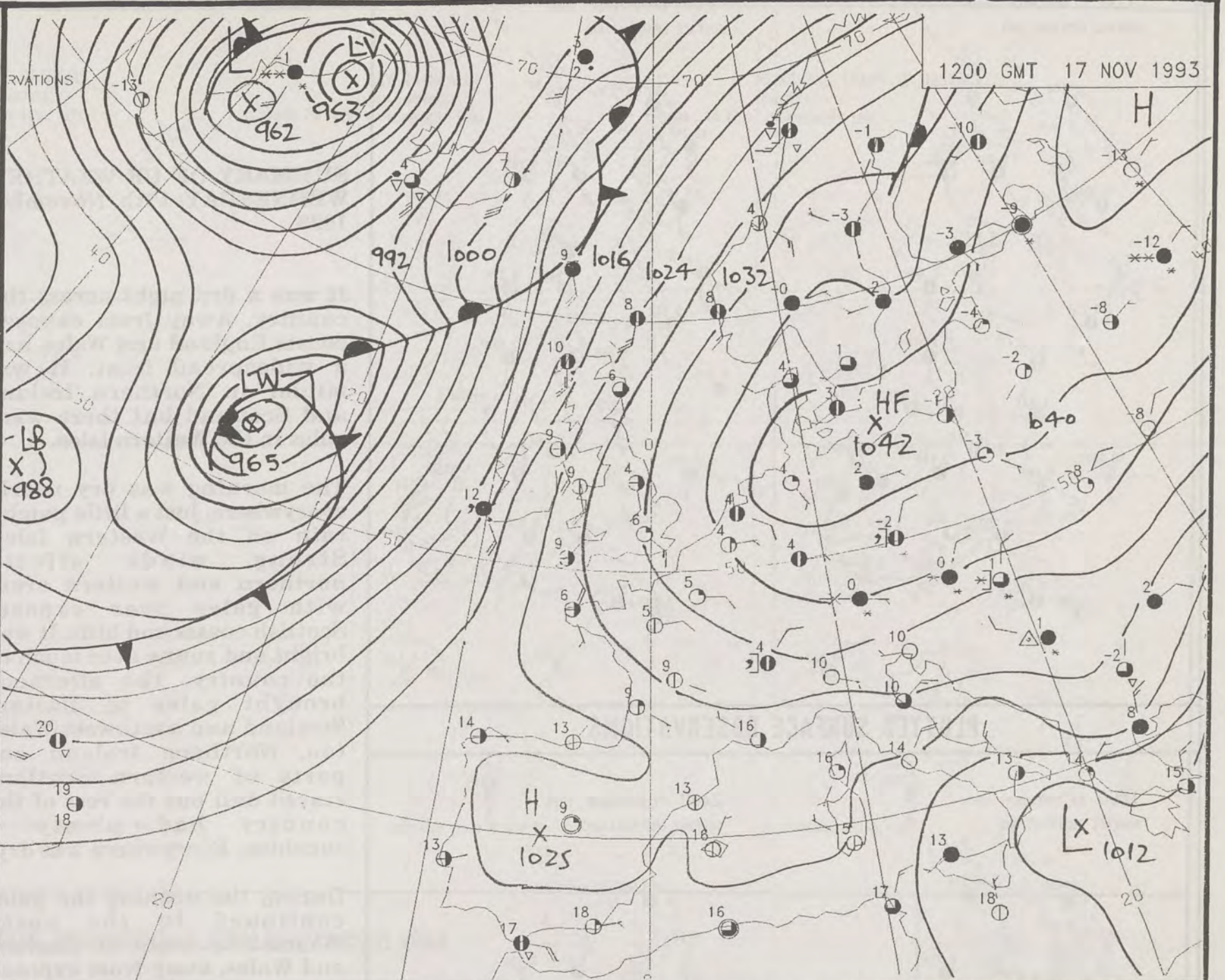
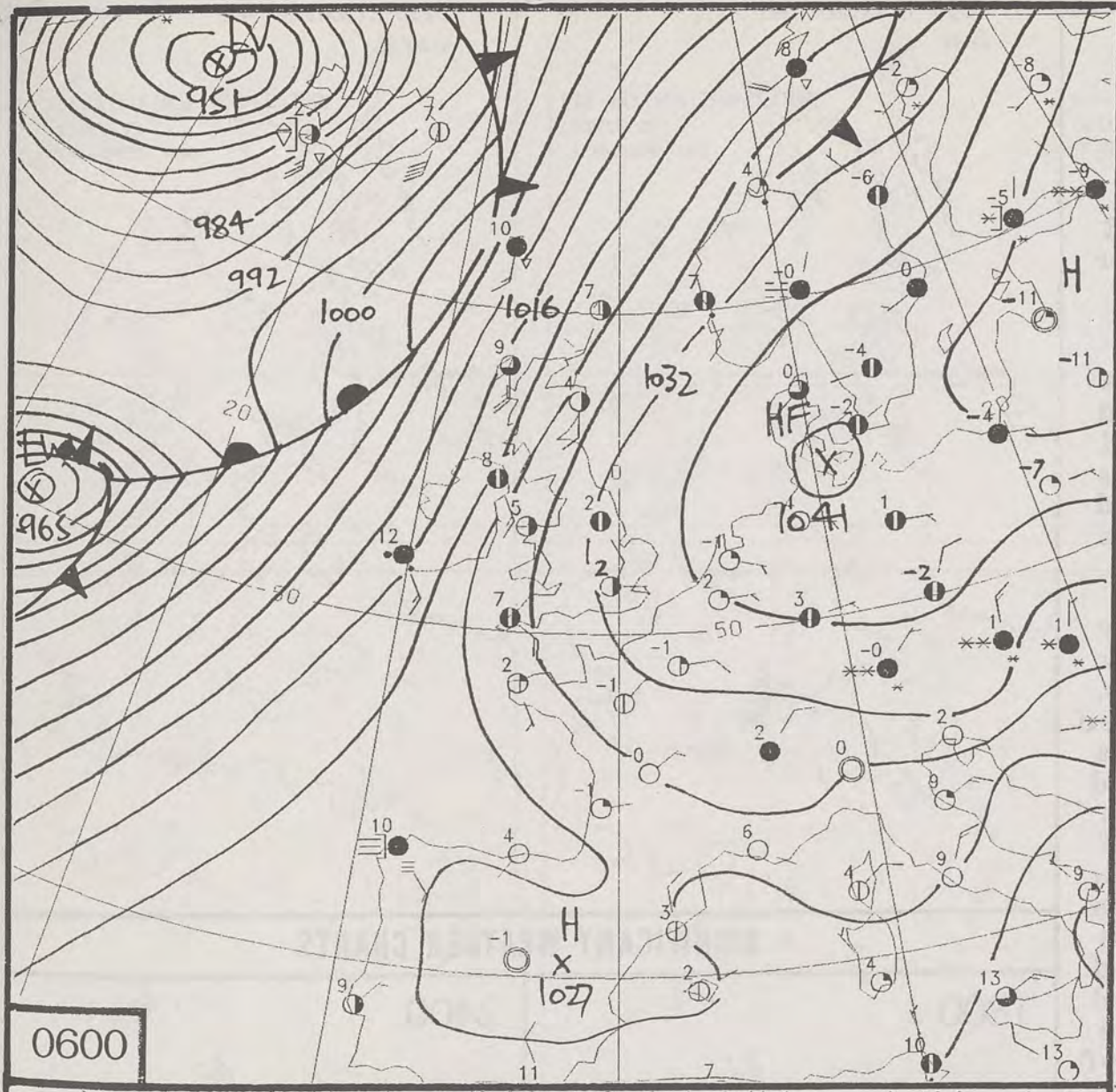
METEOSAT AT 11:30 GMT ON 16/11/93 VISIBLE



CLOUD THICKNESS
THICK THIN



91
700
1200
1700
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
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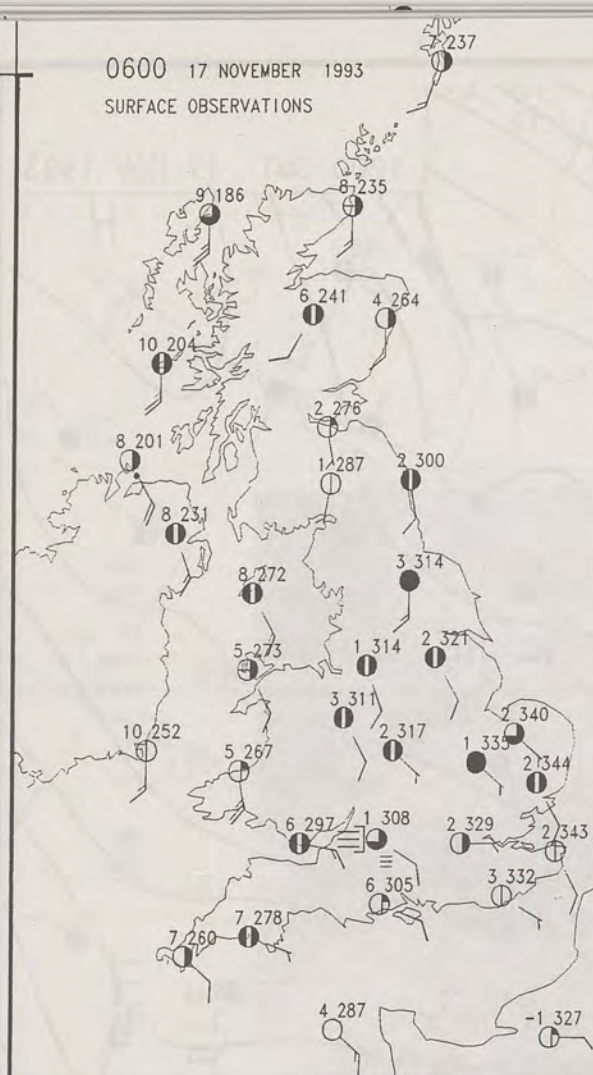
DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Wednesday 17th November 1993

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB

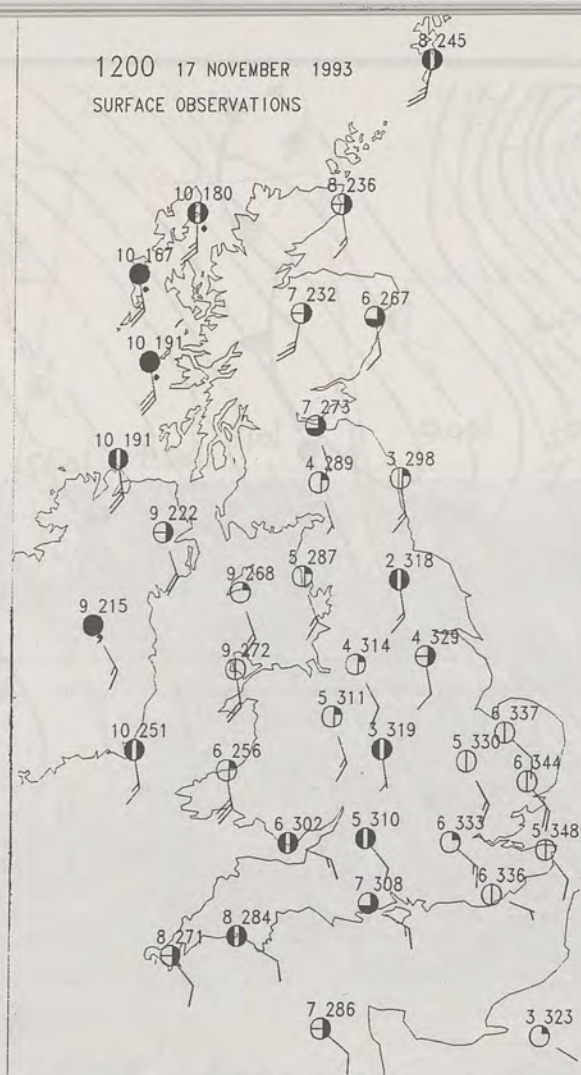


Warm front Cold front Occlusion

0600 17 NOVEMBER 1993
SURFACE OBSERVATIONS



1200 17 NOVEMBER 1993
SURFACE OBSERVATIONS



0600 17 NOVEMBER 1993
SIGWX



1200 17 NOVEMBER 1993
SIGWX



SUMMARY OF UK WEATHER WEDNESDAY 17th November 1993

It was a dry night across the country. Away from exposed coasts England and Wales had a widespread frost. It was milder in Northern Ireland and Scotland but there were gales in the Western Isles.

The morning was dry nearly everywhere, just a little patchy rain on the Western Isles. Strong winds affected northern and western areas with gales over exposed Scottish coasts and hills. It was bright and sunny over much of the country. The afternoon brought gales to Eastern Scotland and southwest Wales too. Northern Ireland and parts of western Scotland stayed dull but the rest of the country had plenty of sunshine. Everywhere was dry.

During the evening the gales continued in the north. Meanwhile much of England and Wales, away from exposed coasts, turned frosty.

Temperatures were near to normal over Scotland and it was rather mild in Northern Ireland. However it was rather cold or cold across England and Wales.

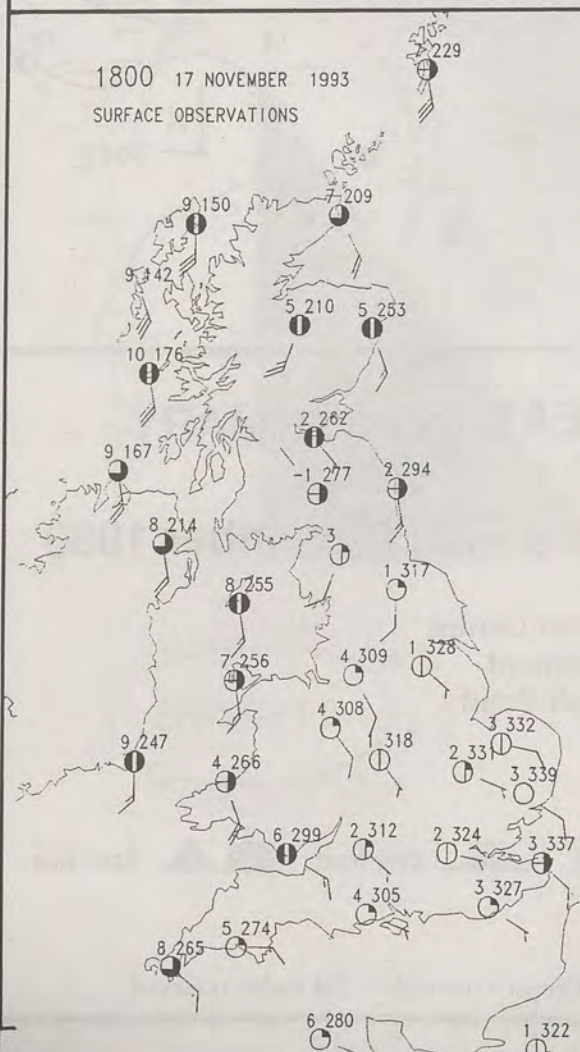
London Weather Centre

All times are GMT

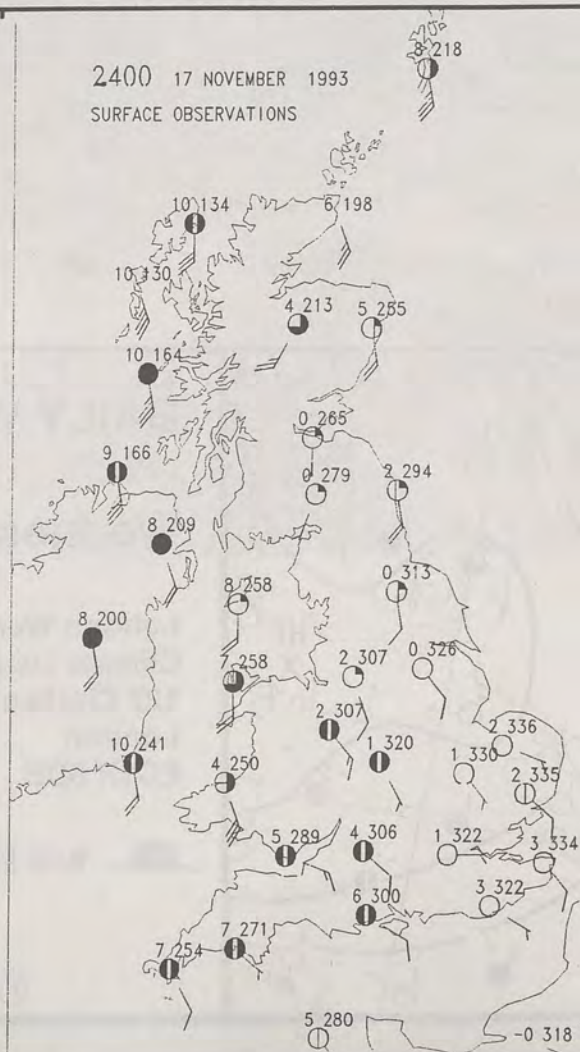
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PLOTTED SURFACE OBSERVATIONS

1800 17 NOVEMBER 1993
SURFACE OBSERVATIONS

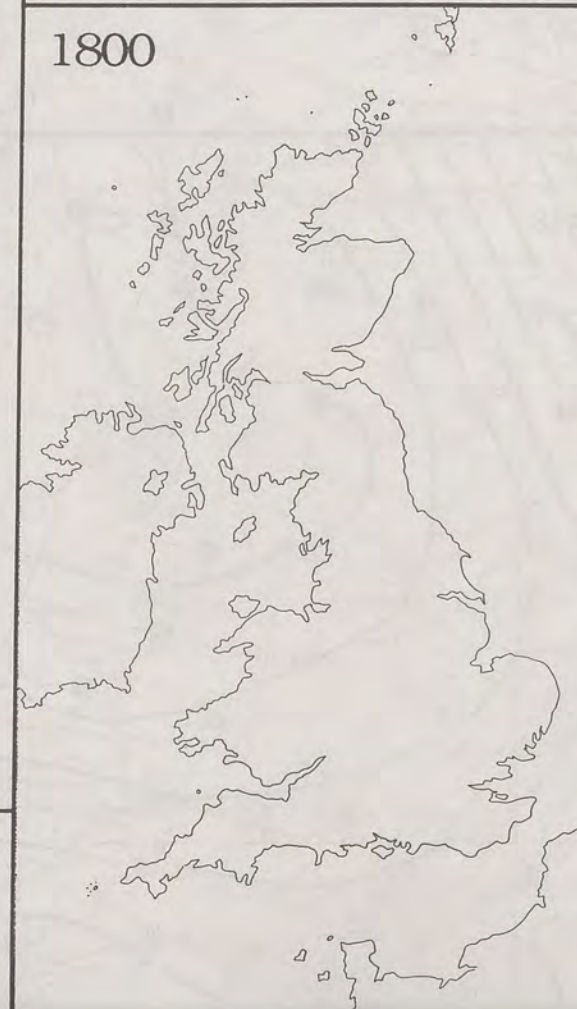


2400 17 NOVEMBER 1993
SURFACE OBSERVATIONS



SIGNIFICANT WEATHER CHARTS

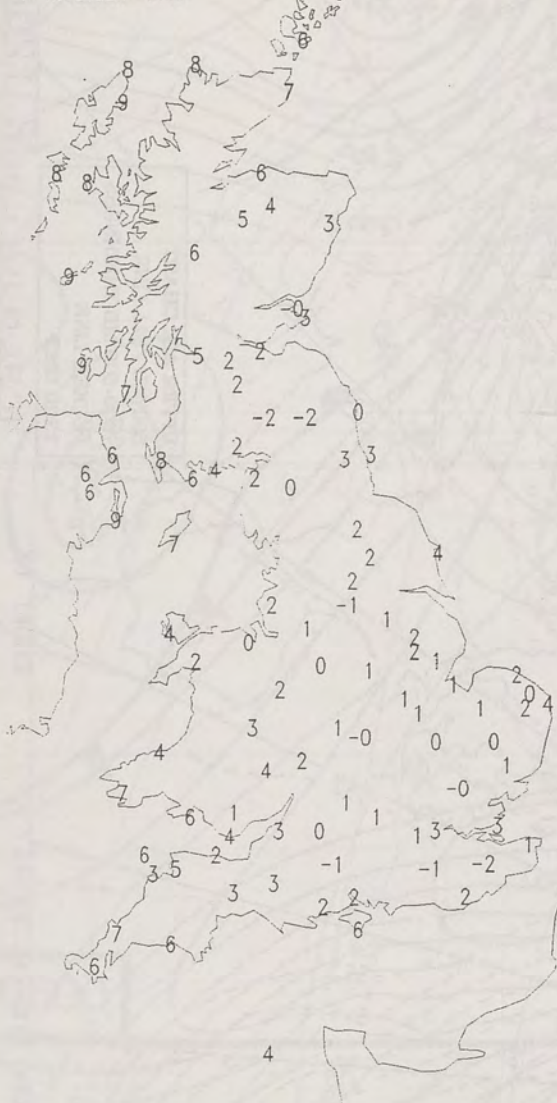
1800



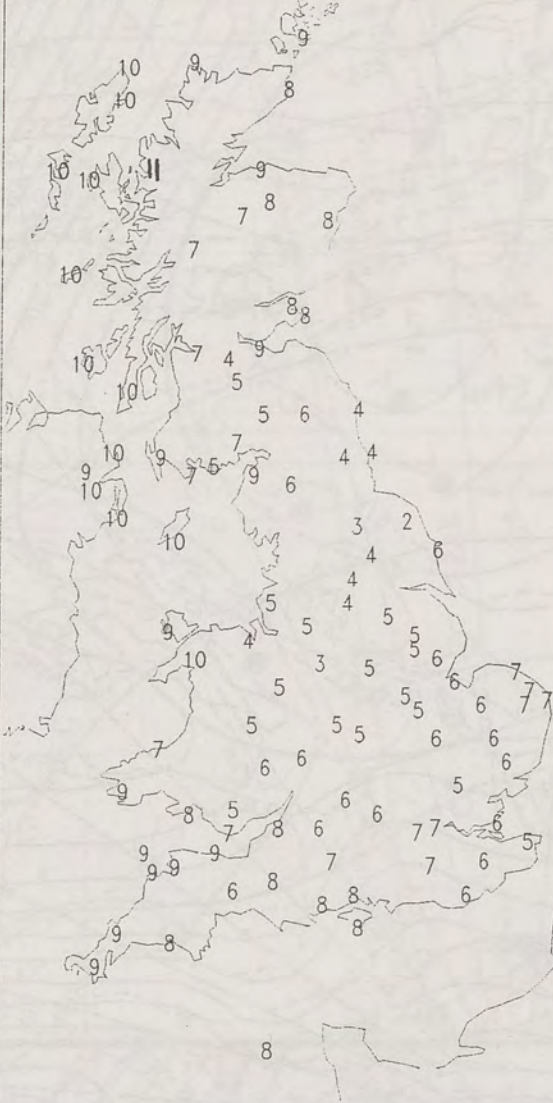
2400



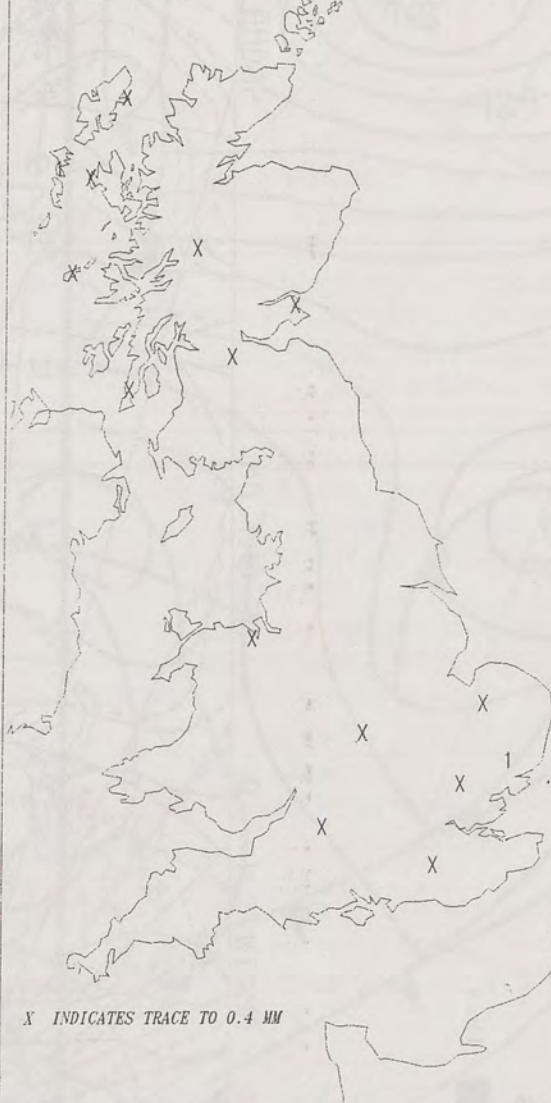
NIGHT MINIMUM TEMPERATURE
(DEGREES C)
17 NOVEMBER 1993



DAY MAXIMUM TEMPERATURE
(DEGREES C)
17 NOVEMBER 1993



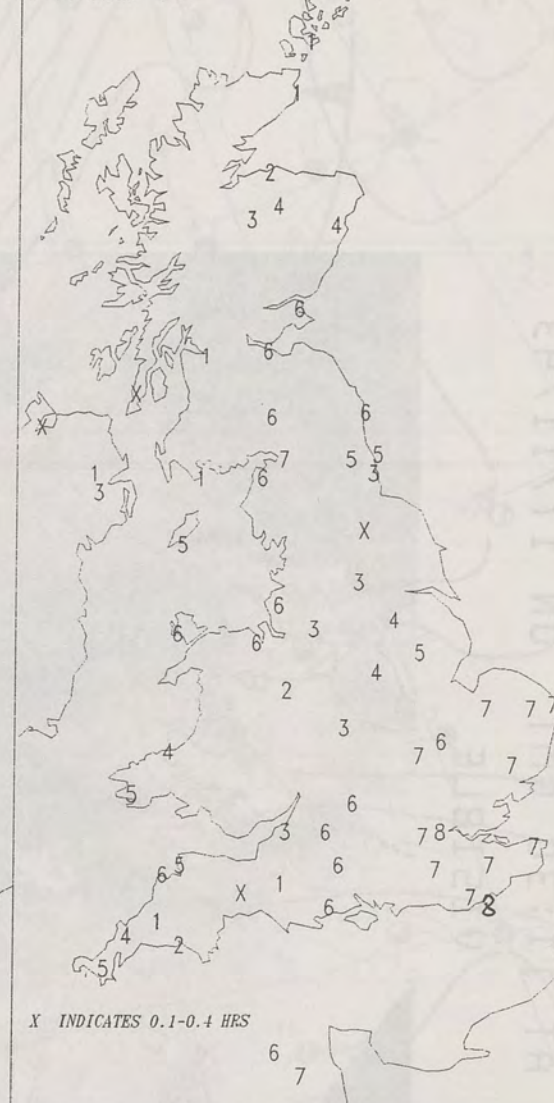
NIGHT RAINFALL
(MILLIMETRES)
17 NOVEMBER 1993



DAY RAINFALL
(MILLIMETRES)
17 NOVEMBER 1993



SUNSHINE (DAWN TO DUSK)
(HOURS)
17 NOVEMBER 1993



EXTREMES FOR WEDNESDAY 17TH NOVEMBER 1993

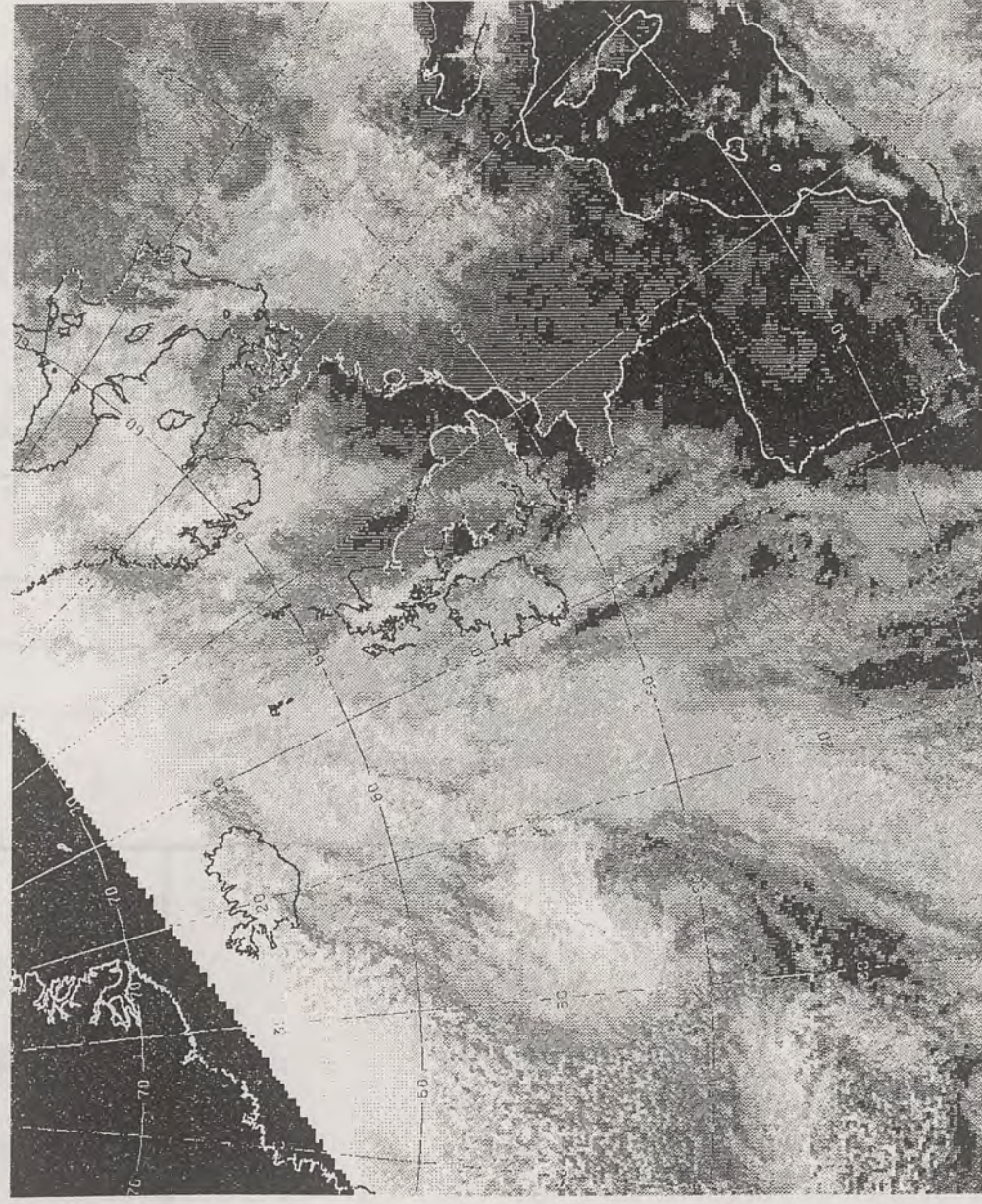
Highest Maximum	: 11.2 C Aultbea [Highland]
Lowest Maximum	: 2.6 C Buxton [Derbs.]
Lowest Minimum	: -2.4 C Eskdalemuir [Dumfries and Galloway]
Lowest Grass Minimum	: -8.5 C Charing [Kent]
Most Rain (24 hours from 0900 GMT)	: 8.0 mm Benbecula [Outer Hebrides]
Most Sun	: 7.7 Hrs Hastings [Sussex] and Central London

DAILY WEATHER SUMMARY

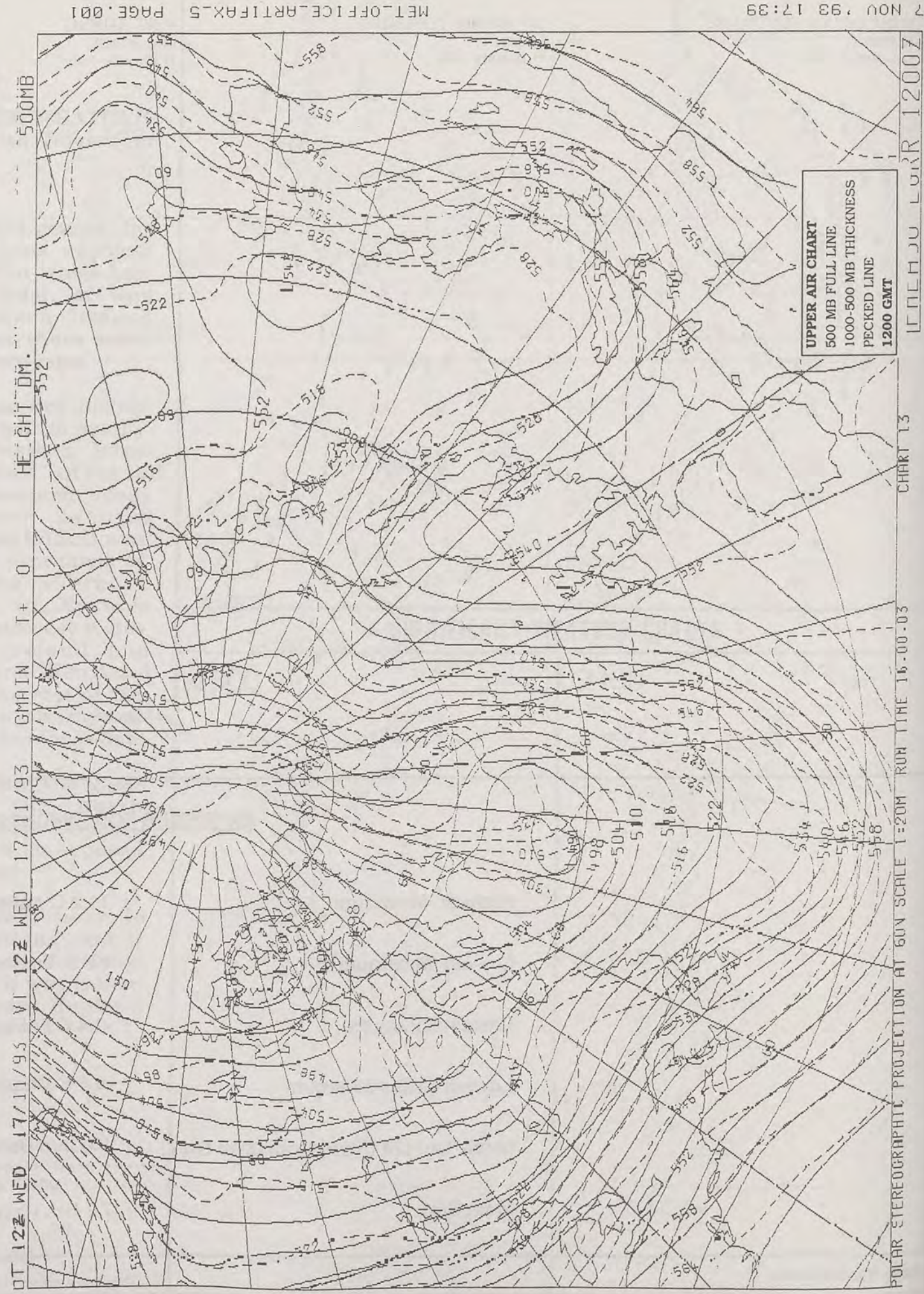


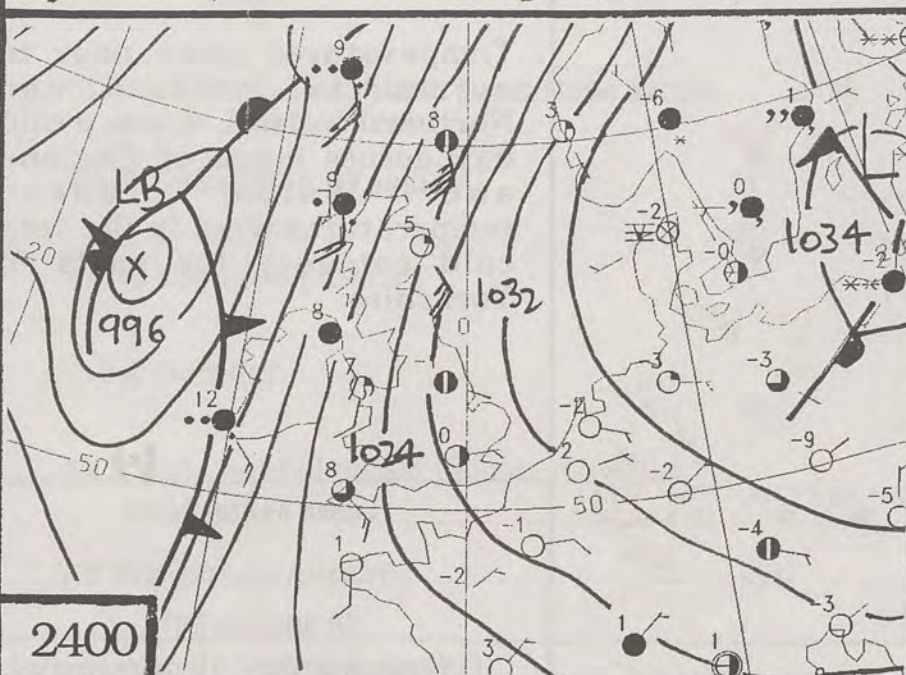
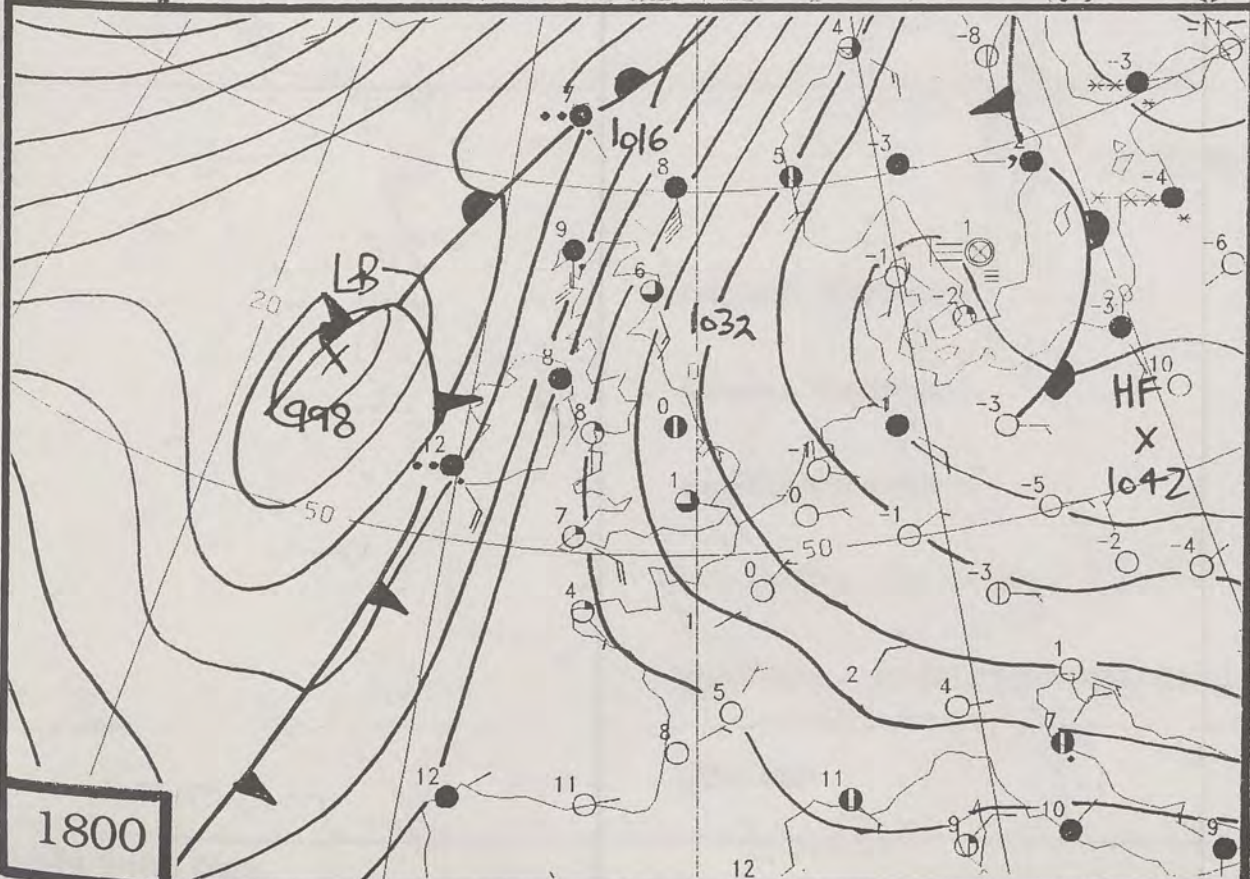
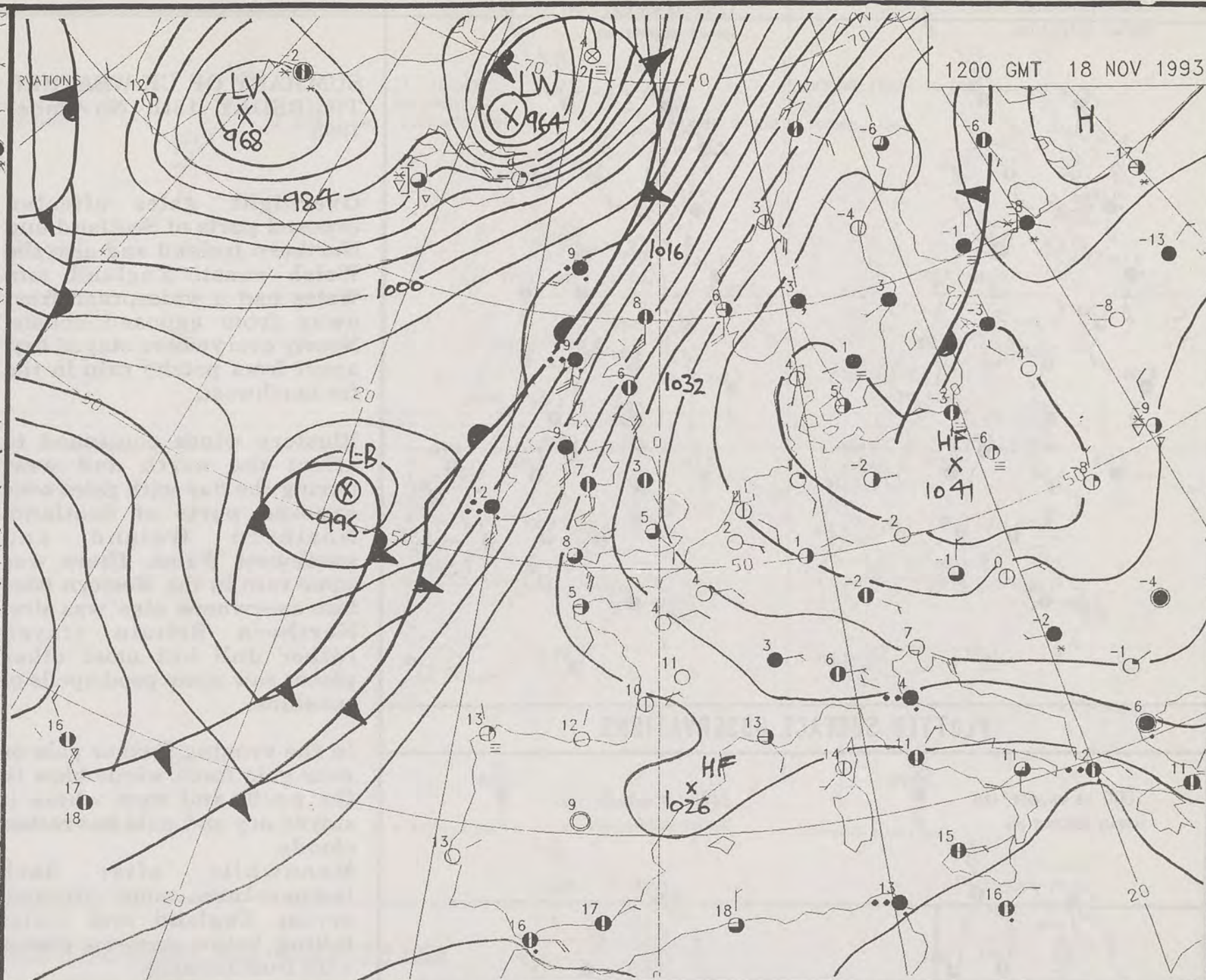
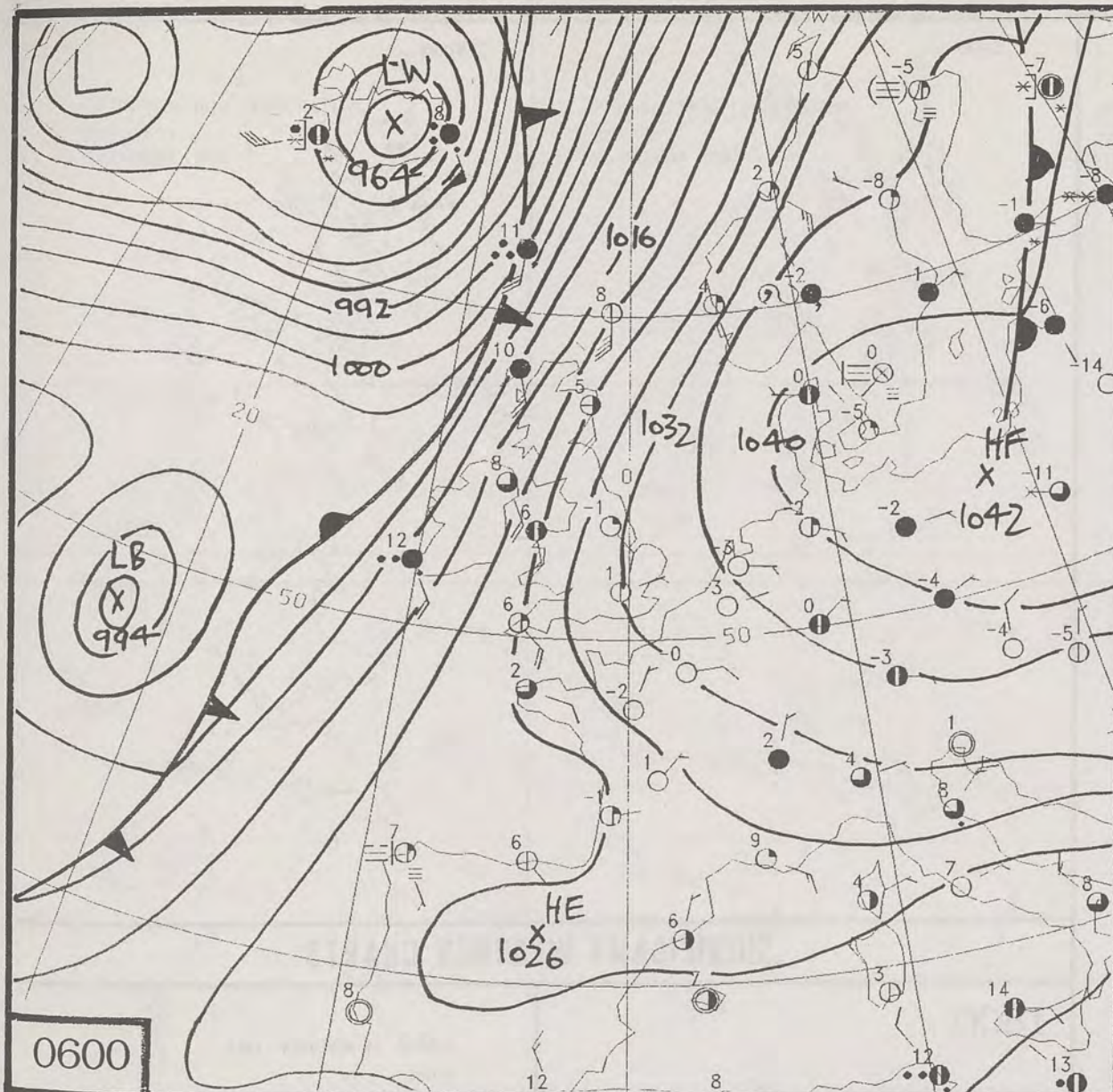
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METEOSAT AT 11:30 GMT ON 17/11/93
VISIBLE



CLOUD THICKNESS
THICK THIN





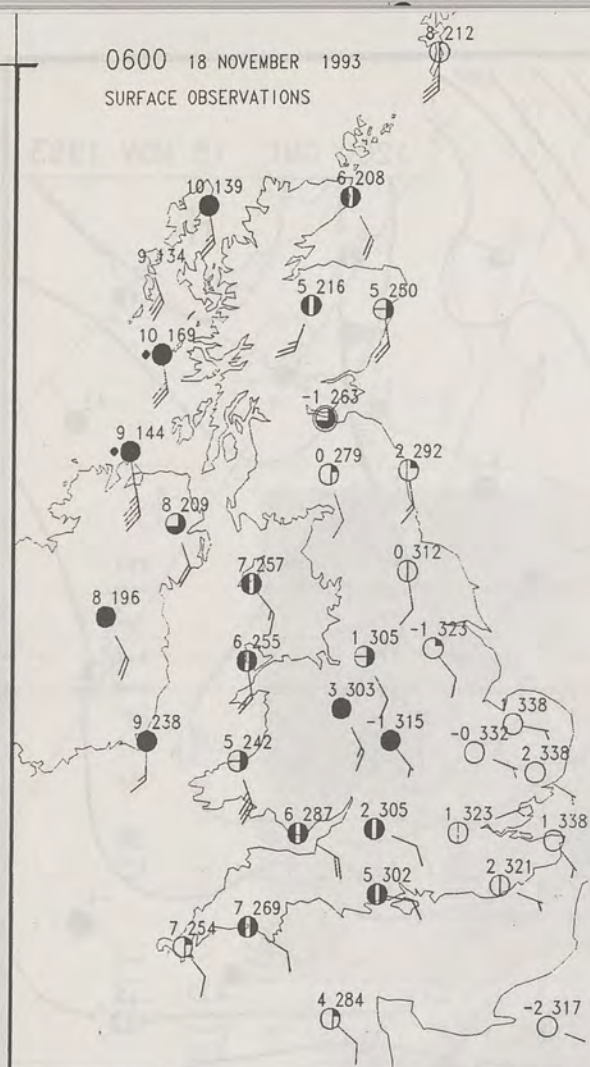
DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Thursday 18th November 1993

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB

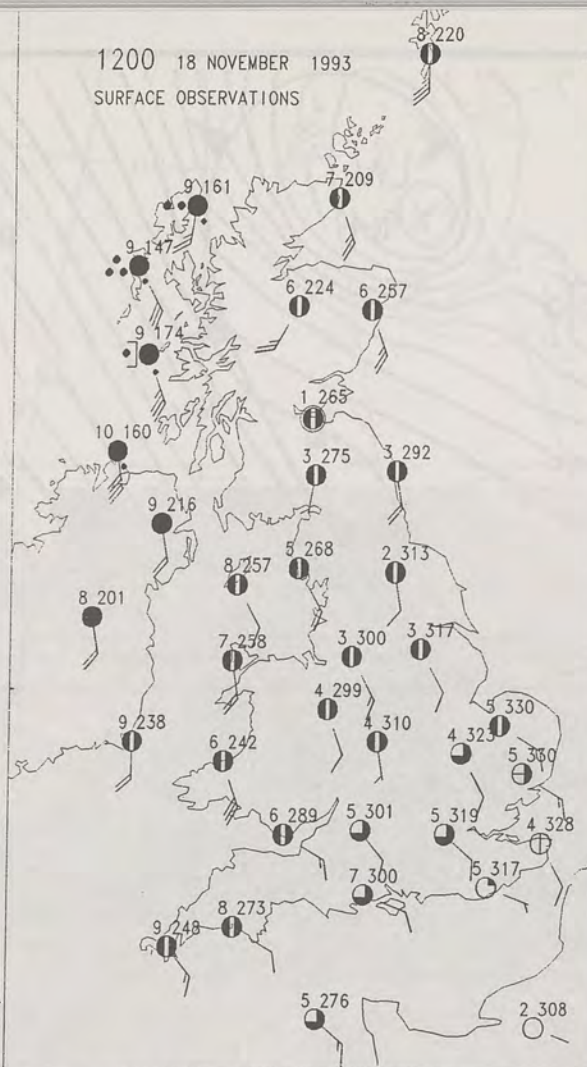


Warm front Cold front Occlusion

0600 18 NOVEMBER 1993
SURFACE OBSERVATIONS

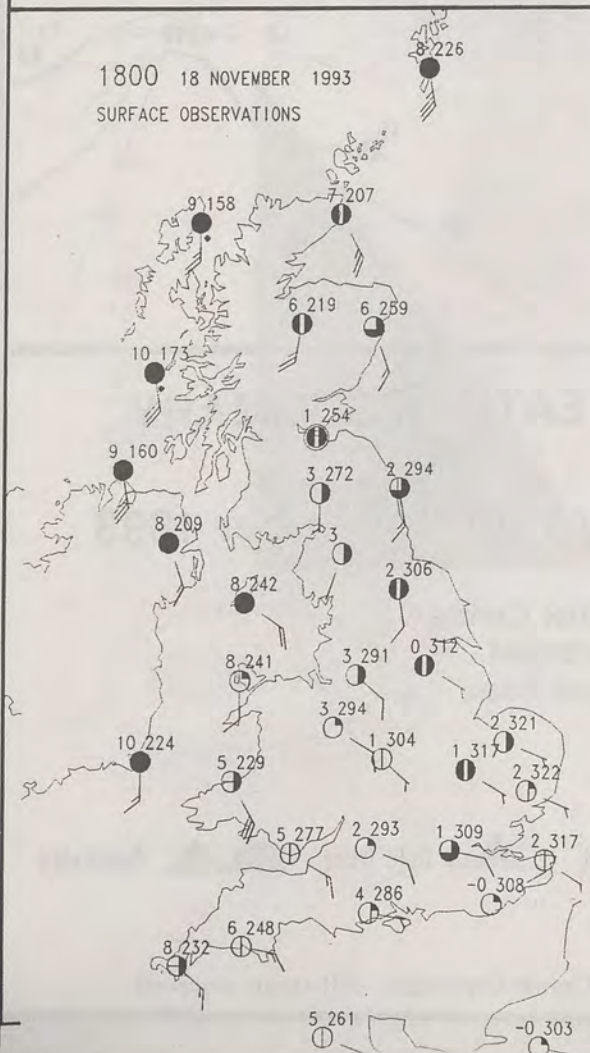


1200 18 NOVEMBER 1993
SURFACE OBSERVATIONS



PLOTTED SURFACE OBSERVATIONS

1800 18 NOVEMBER 1993
SURFACE OBSERVATIONS



2400 18 NOVEMBER 1993
SURFACE OBSERVATIONS



SUMMARY OF UK WEATHER THURSDAY 18th November 1993

Overnight gales affected exposed parts of Scotland and Northern Ireland and also the Welsh coast. England and Wales had a widespread frost away from exposed coasts. Nearly everywhere stayed dry, apart from patchy rain in the far northwest.

Blustery winds continued to affect the north and west during the day with gales over exposed parts of Scotland, Northern Ireland and southwest Wales. There was some rain in the Western Isles but everywhere else was dry. Northern Britain stayed rather dull but most other places saw some good spells of sunshine.

In the evening further gale or near gale force winds blew in the north and west where it stayed dry and mild but rather cloudy.

Meanwhile after dark temperatures soon dropped across England and Wales falling below zero in places with frost forming.

Temperatures were near to normal in Scotland and Northern Ireland. It was a cold day across much of England and Wales; indeed temperatures were in the very cold category for parts of Yorkshire.

London Weather Centre

All times are GMT

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0600 18 NOVEMBER 1993
SIGWX



1200 18 NOVEMBER 1993
SIGWX



SIGNIFICANT WEATHER CHARTS

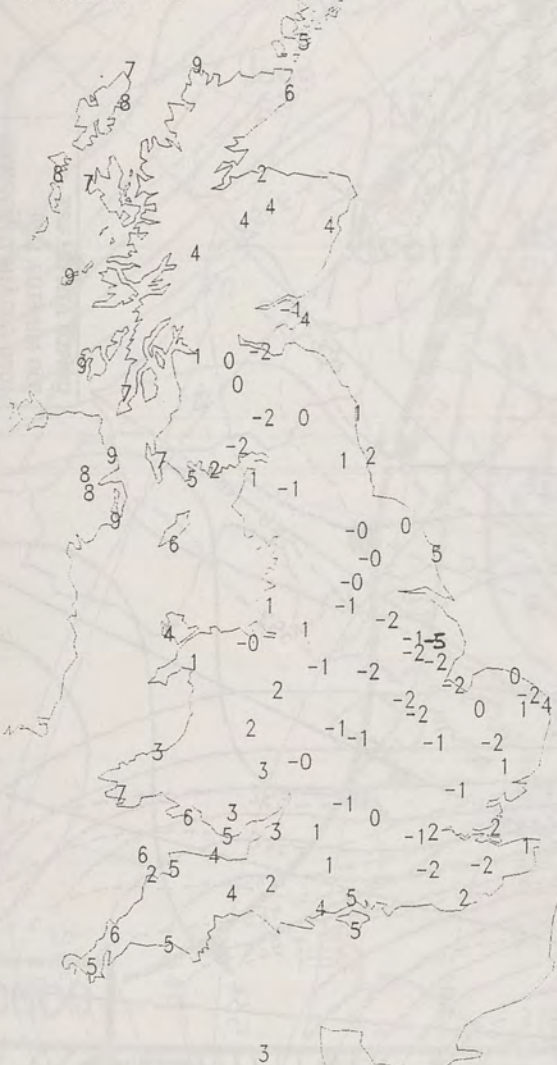
1800



2400 18 NOVEMBER 1993
SIGWX



NIGHT MINIMUM TEMPERATURE
(DEGREES C)
18 NOVEMBER 1993



DAY MAXIMUM TEMPERATURE
(DEGREES C)
18 NOVEMBER 1993



NIGHT RAINFALL
(MILLIMETRES)
18 NOVEMBER 1993



X INDICATES TRACE TO 0.4 MM

12 HOURS TO 0900

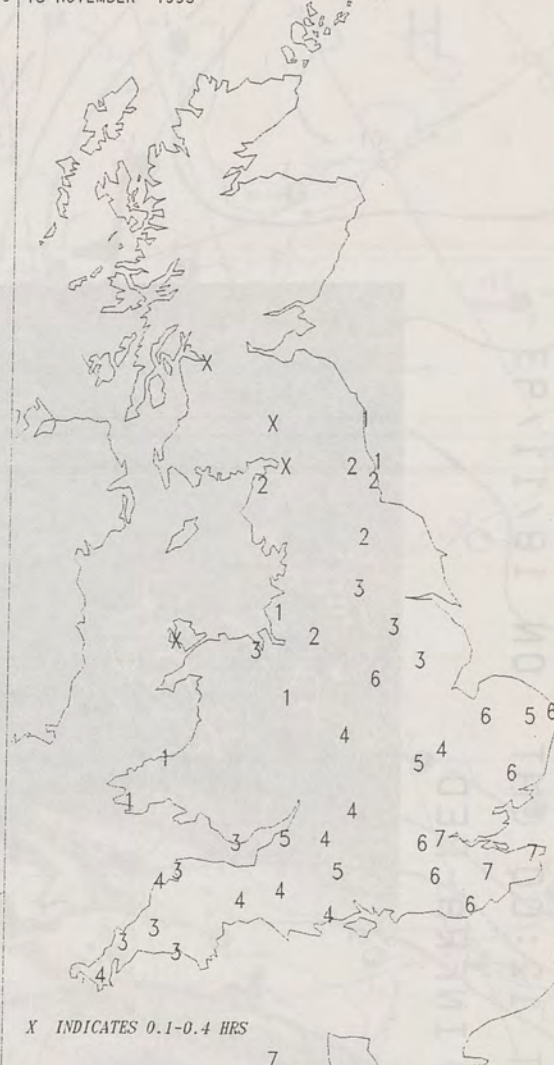
DAY RAINFALL
(MILLIMETRES)
18 NOVEMBER 1993



X INDICATES TRACE TO 0.4 MM

12 HOURS TO 2100

SUNSHINE (DAWN TO DUSK)
(HOURS)
18 NOVEMBER 1993



X INDICATES 0.1-0.4 HRS

EXTREMES FOR THURSDAY 18TH NOVEMBER 1993

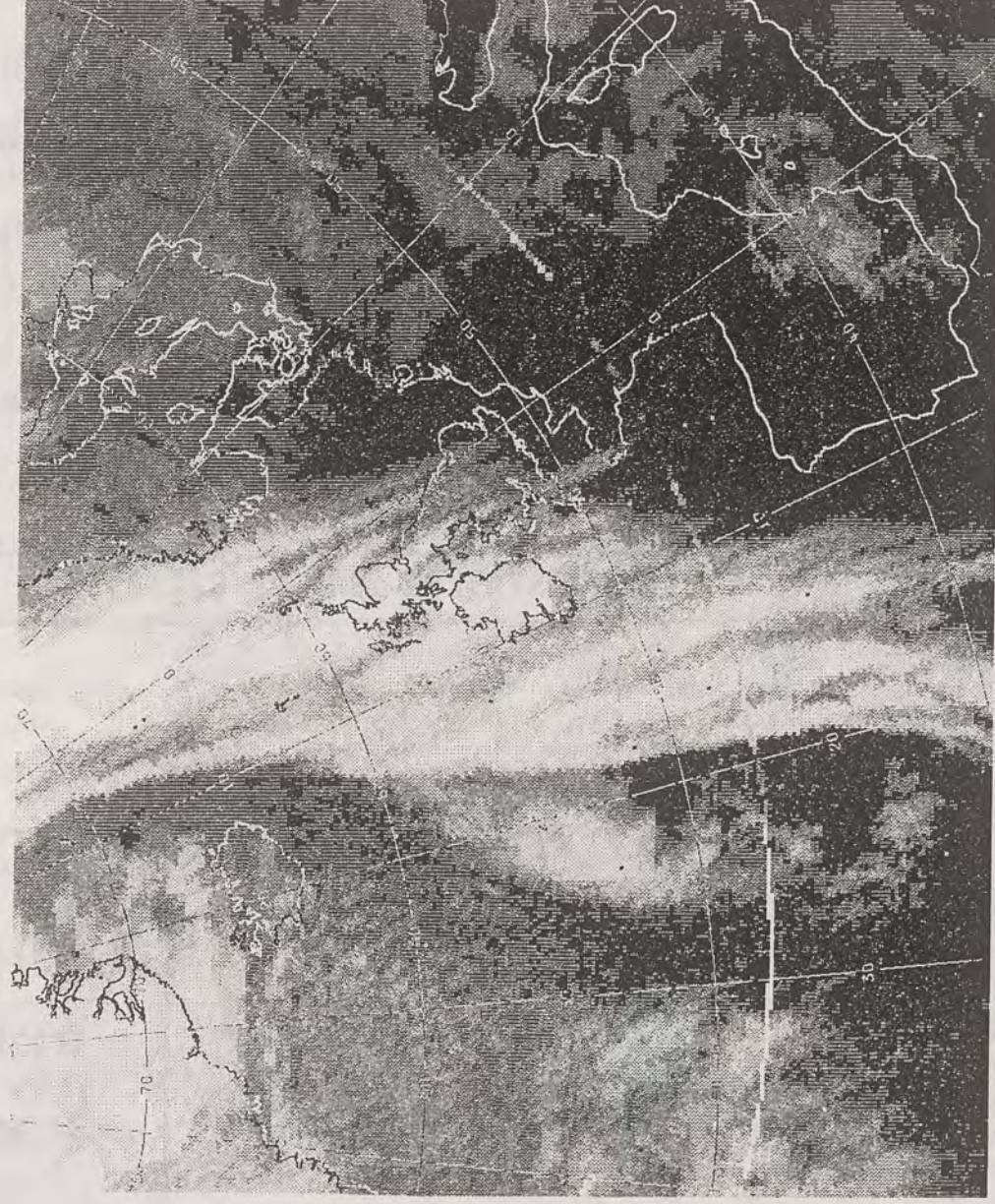
Highest Maximum	: 12.2 C Aultbea [Highland] and Cape Wrath
Lowest Maximum	: 1.1 C Strathallan [Tayside]
Lowest Minimum	: -4.5 C Cranwell [Lincs]
Lowest Grass Minimum	: -9.2 C Bedford
Most Rain (24 hours from 0900 GMT)	: 12.3 mm Lochboisedale [Outer Hebrides]
Most Sun	: 7.8 Hrs Jersey Airport

DAILY WEATHER SUMMARY

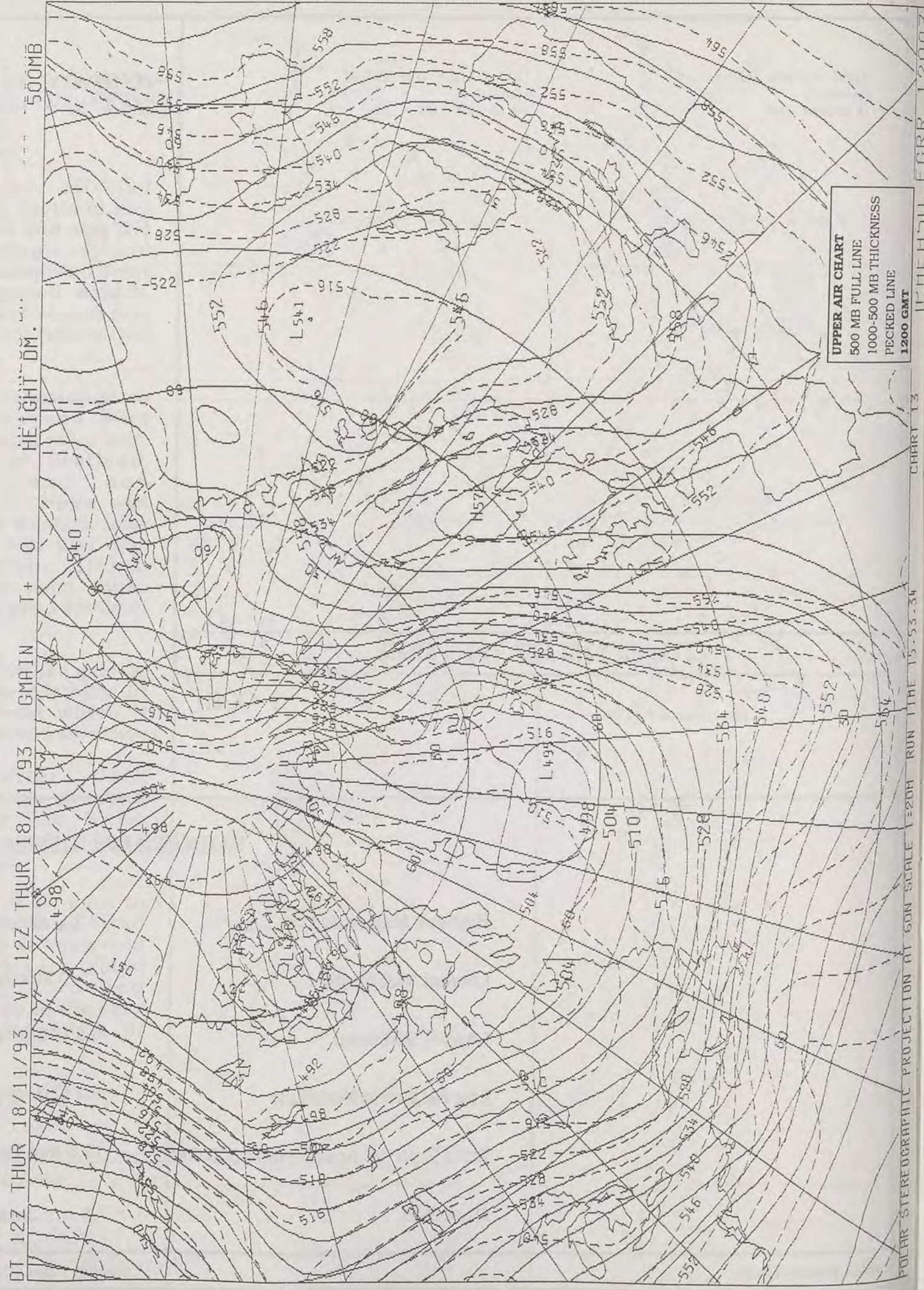


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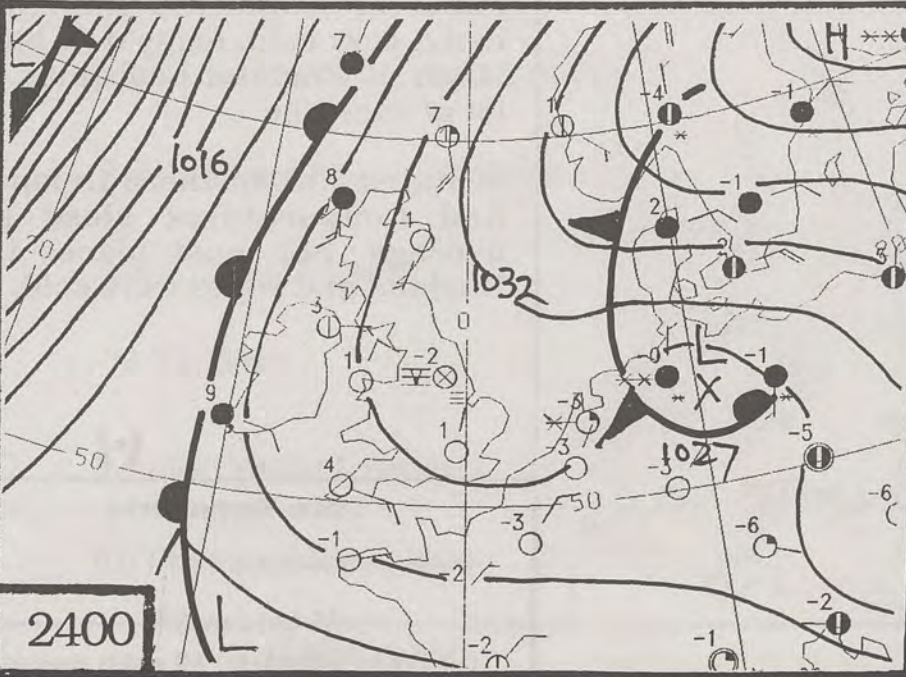
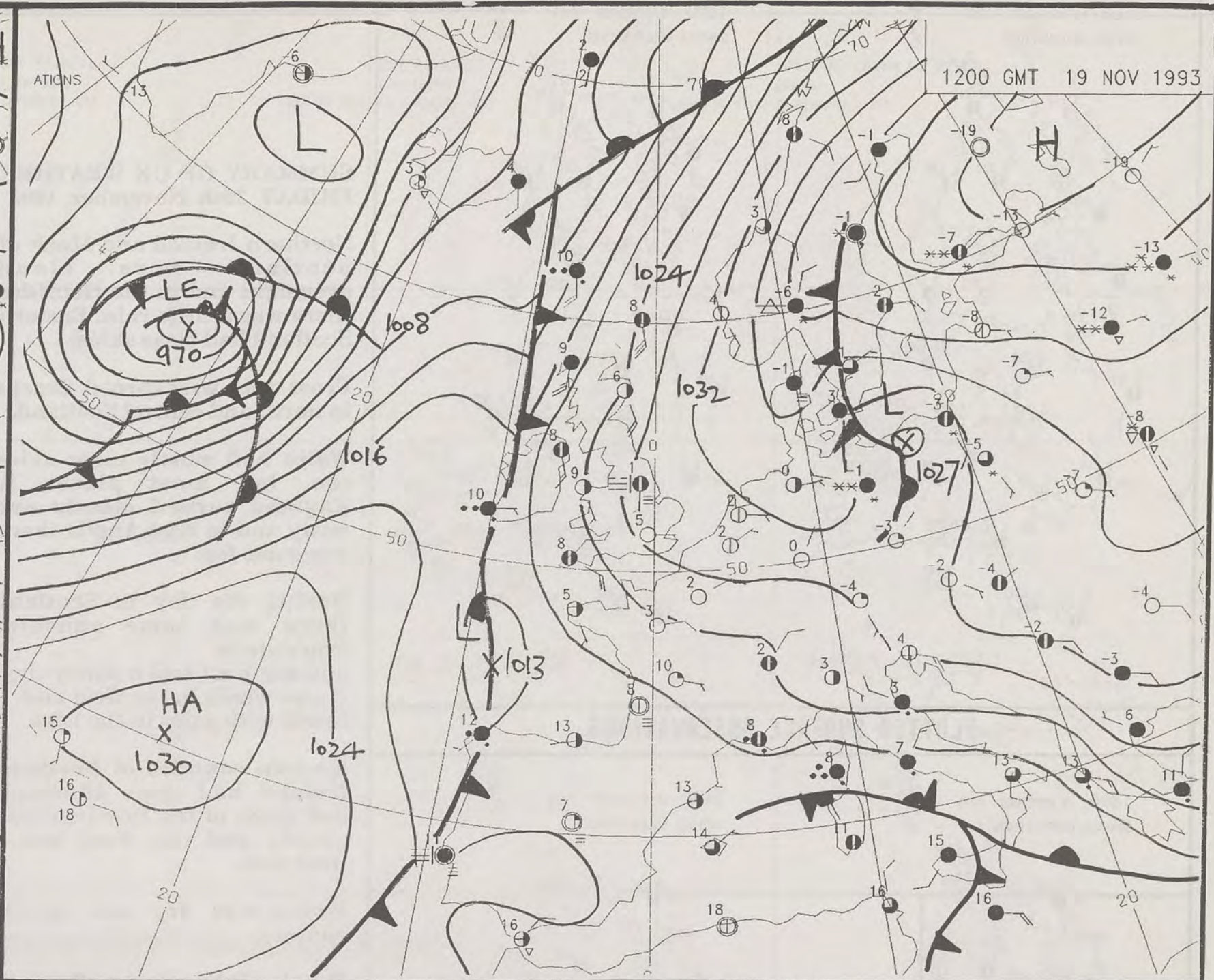
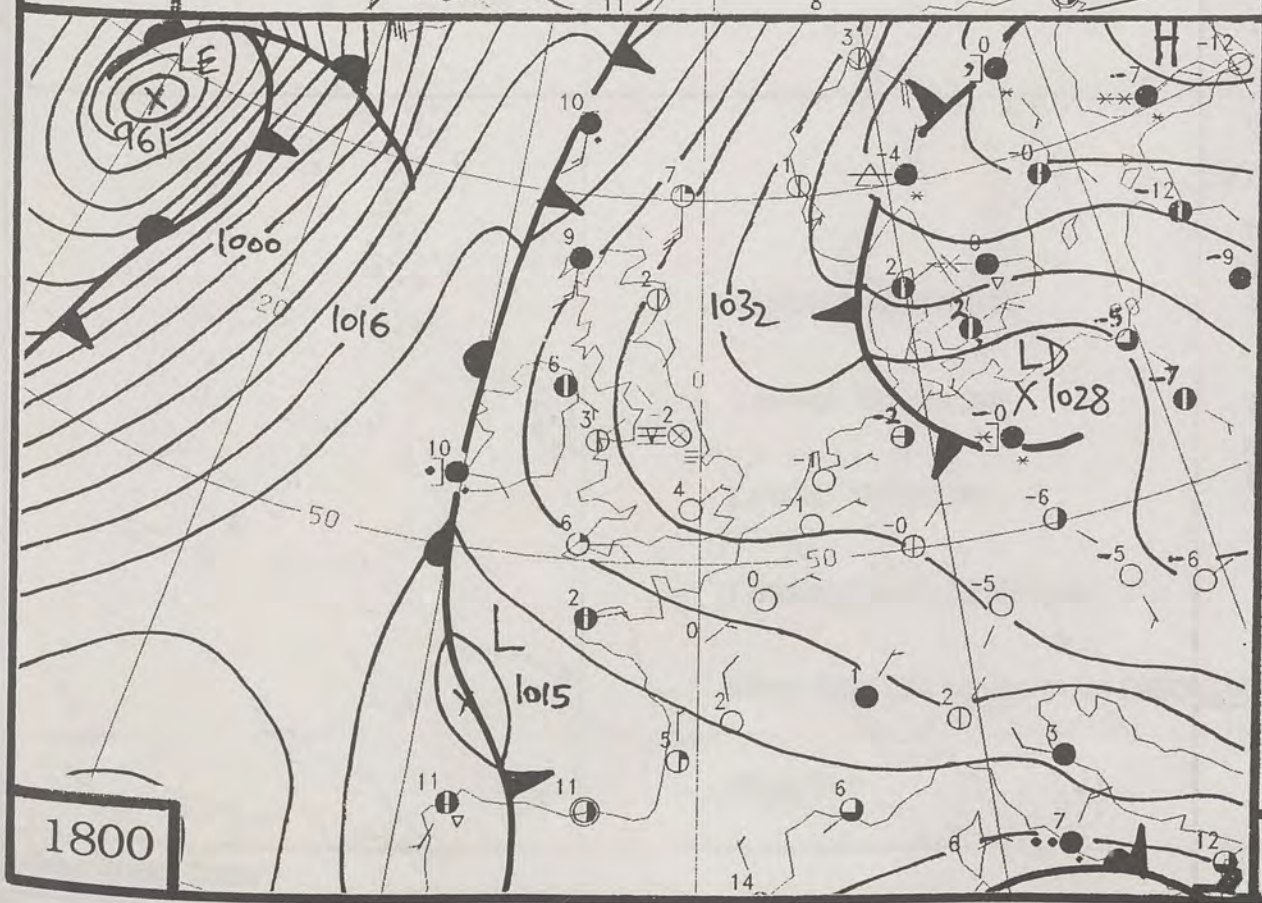
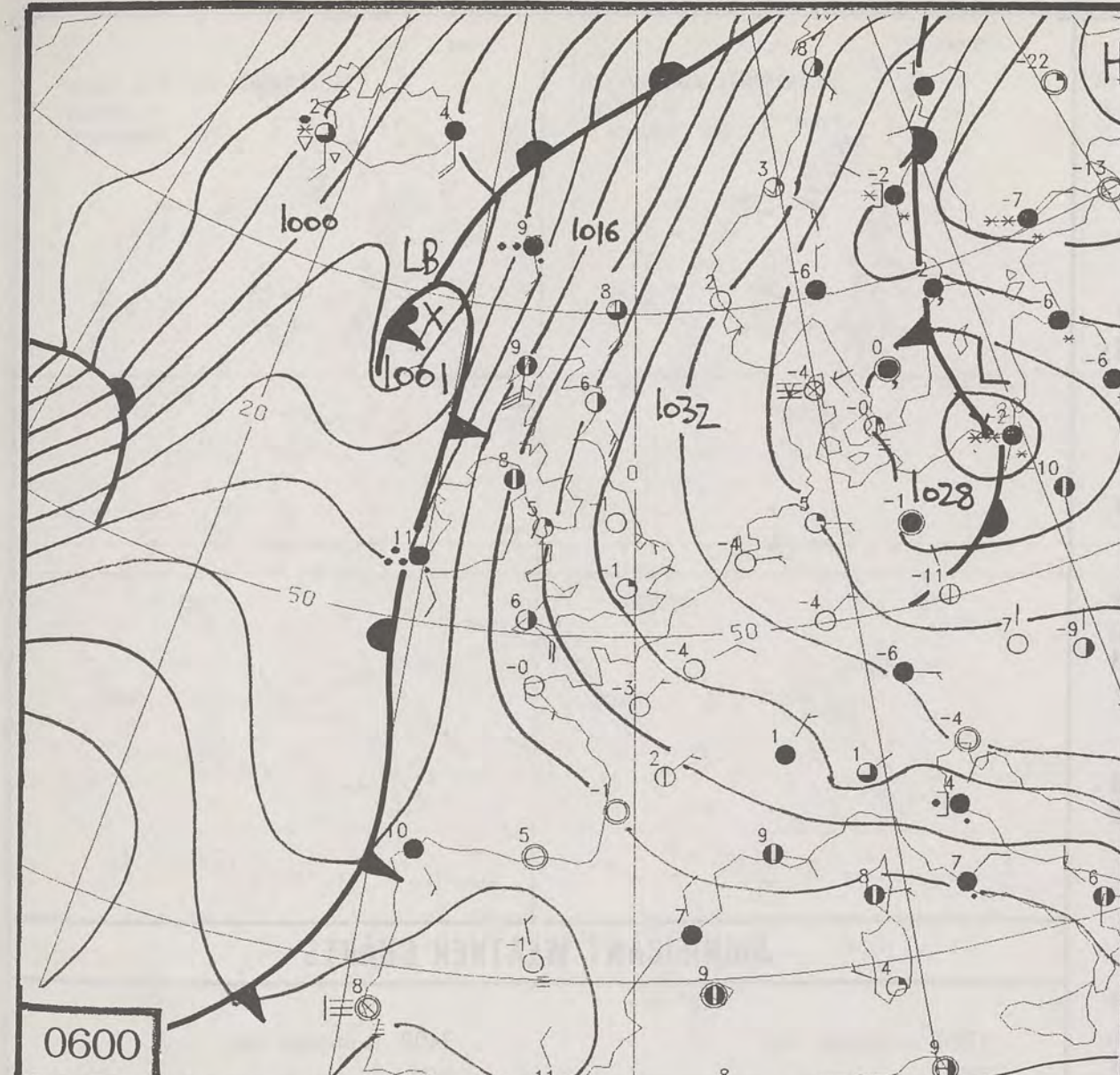
METEOSAT AT 12:00 GMT ON 18/11/93
INFRA-RED



CLOUD-TOP OR LAND/SEA TEMPERATURE
COLD WARM



PECKED LINE 1200 GMT
 CHART 13
 POLAR STEREOGRAPHIC PROJECTION AT 60N SCALE 1:20M RUN TIME 15-53-34



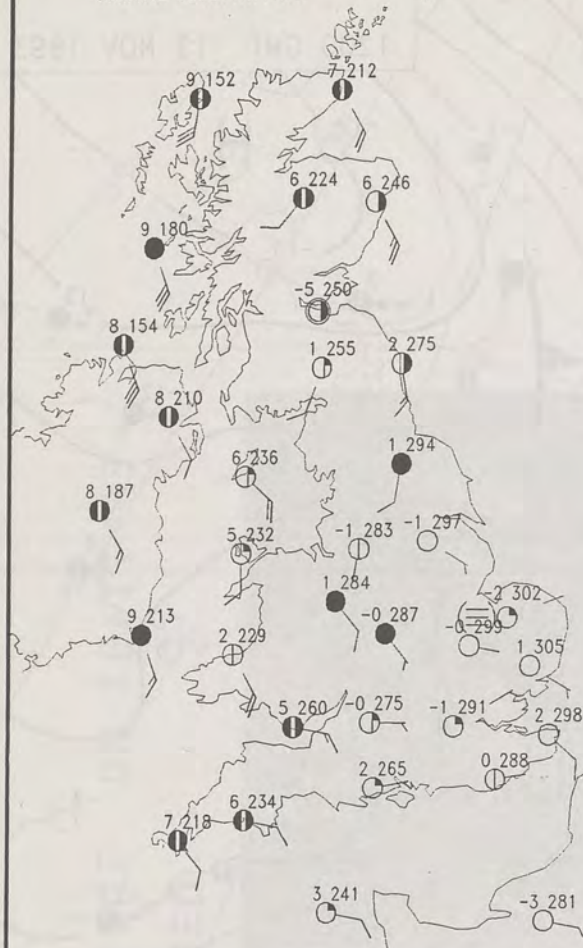
DUPLICATE ALSO
 DAILY WEATHER SUMMARY
 NOT FOR LOAN
 Friday 19th November 1993
 London Weather Centre
 Climate Department
 127 Clerkenwell Road
 London
 EC1R 5DB

METEOROLOGICAL OFFICE
 29 NOV 1993
 LIBRARY

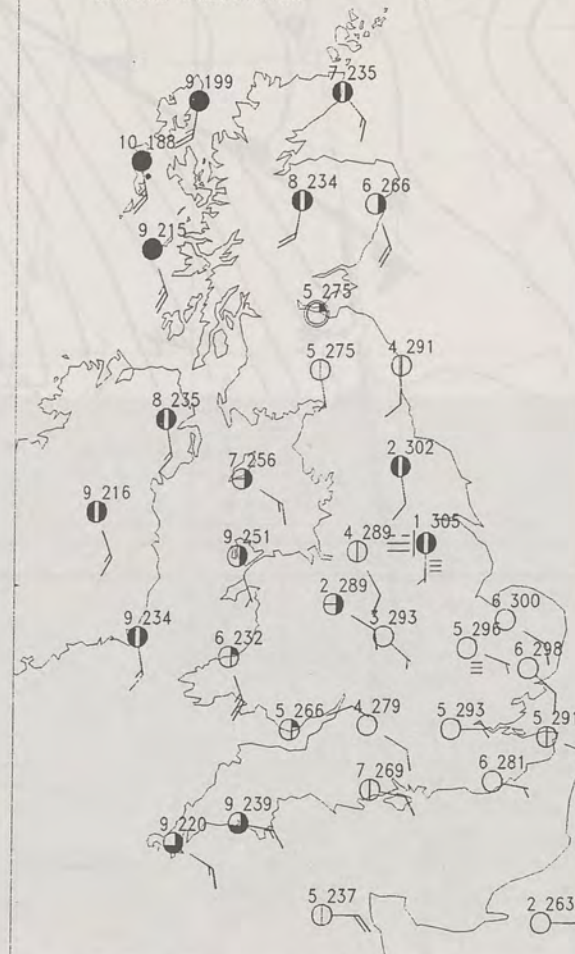
Warm front Cold front Occlusion

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0600 19 NOVEMBER 1993
SURFACE OBSERVATIONS

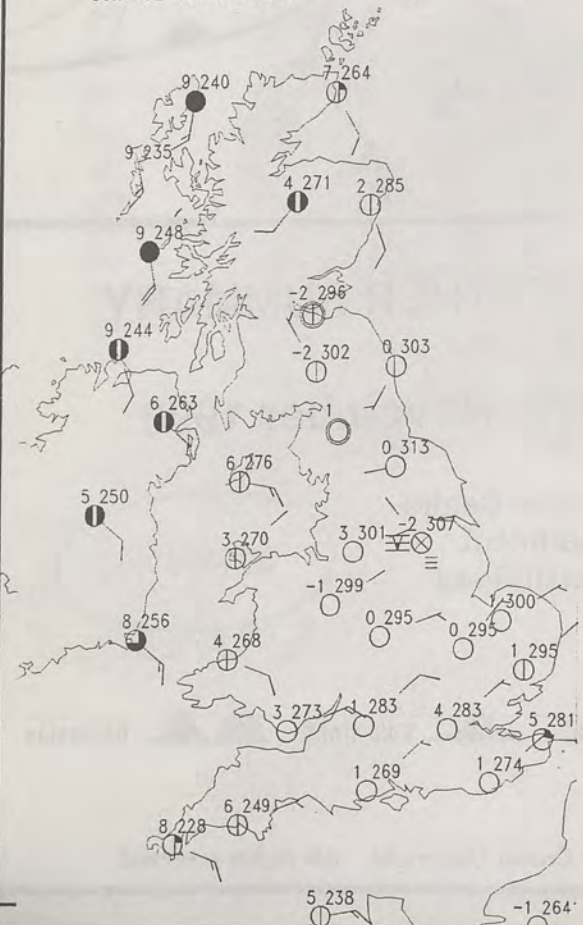


1200 19 NOVEMBER 1993
SURFACE OBSERVATIONS

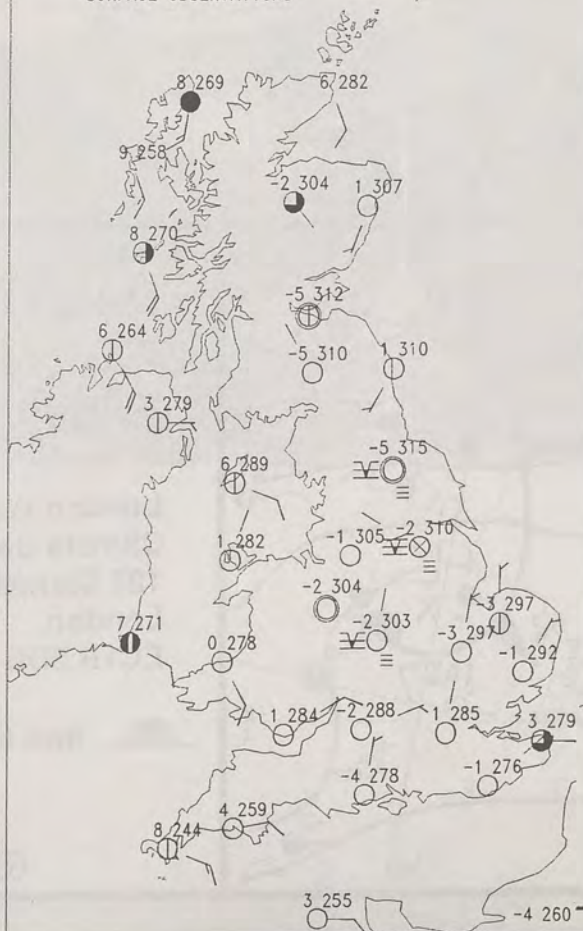


PLOTTED SURFACE OBSERVATIONS

1800 19 NOVEMBER 1993
SURFACE OBSERVATIONS



2400 19 NOVEMBER 1993
SURFACE OBSERVATIONS



SUMMARY OF UK WEATHER FRIDAY 19th November 1993

Northern Ireland and Much of Scotland were cloudy overnight and in the Hebrides there was a little rain. Eastern Scotland had clear skies.

Frost was widespread except in north and central Scotland.

Wales had mostly clear skies too, but most places in England turned cloudy and misty and in East Anglia there was some fog.

During the day in Scotland there was some sunshine everywhere and the East had a sunny day. It was windy in the West and North with gales in the Isles.

Eastern counties of Northern Ireland had some sunshine, but Much of the Province was cloudy and the West had a little rain.

Wales was dry and mostly sunny.

Parts of Northeast England had a very cold, foggy day, but Much of England had quite a lot of sunshine.

Scotland and Northern Ireland had temperatures close to average but most places in England and Wales were cold.

London Weather Centre

All times are GMT

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0600 19 NOVEMBER 1993
SIGWX



1200 19 NOVEMBER 1993
SIGWX

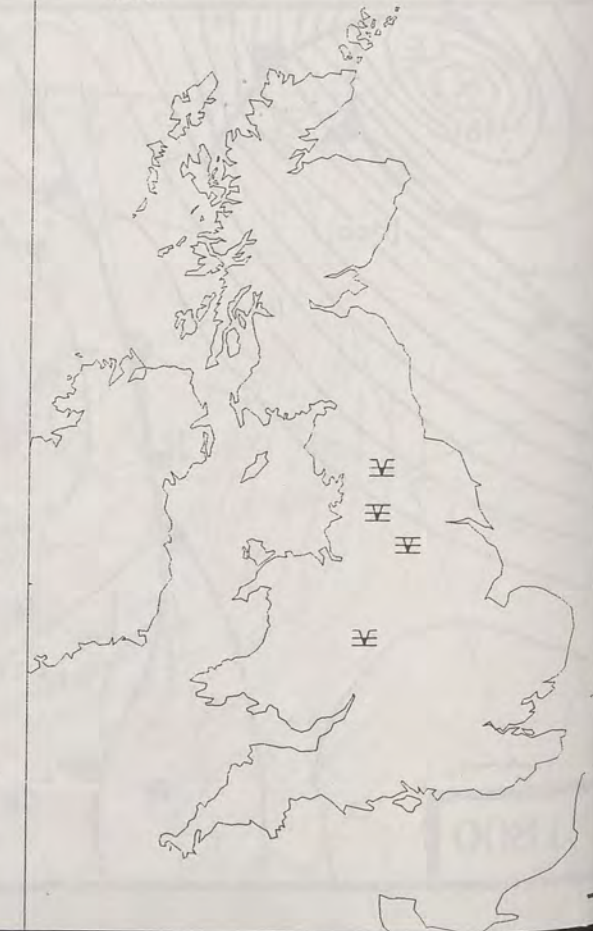


SIGNIFICANT WEATHER CHARTS

1800 19 NOVEMBER 1993
SIGWX



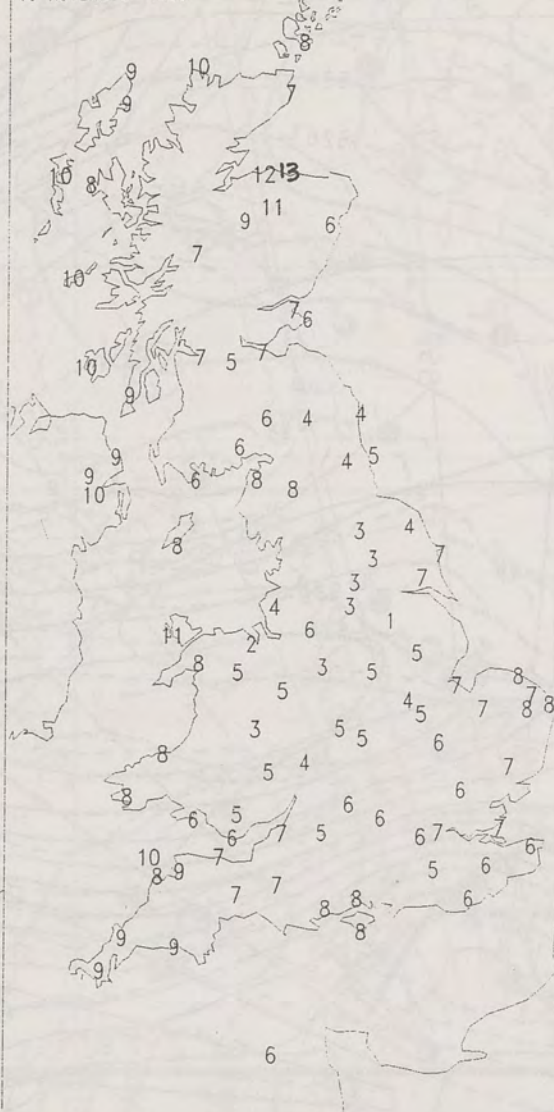
2400 19 NOVEMBER 1993
SIGWX



NIGHT MINIMUM TEMPERATURE
(DEGREES C)
19 NOVEMBER 1993



DAY MAXIMUM TEMPERATURE
(DEGREES C)
19 NOVEMBER 1993

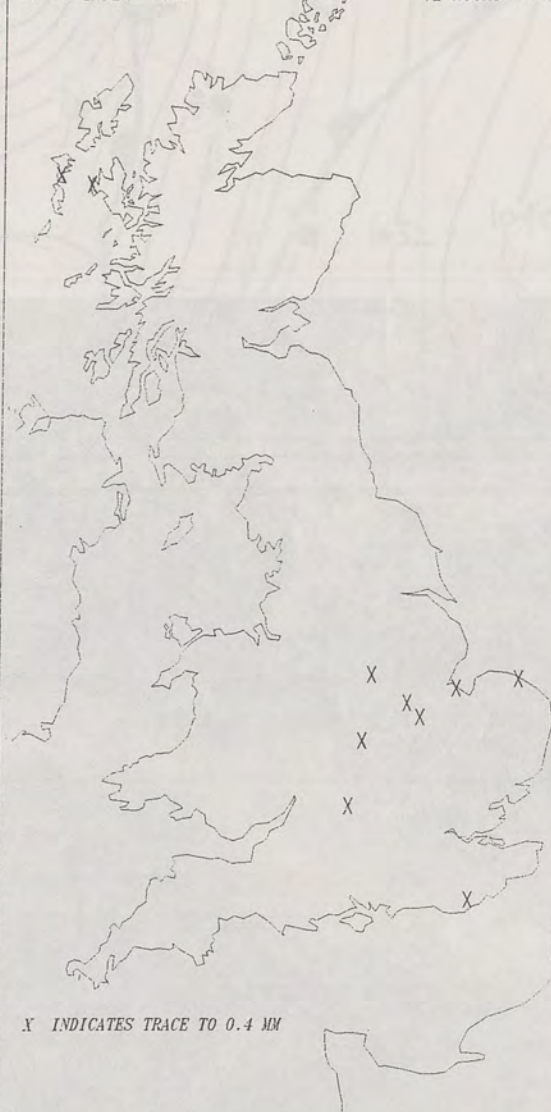


NIGHT RAINFALL
(MILLIMETRES)
19 NOVEMBER 1993



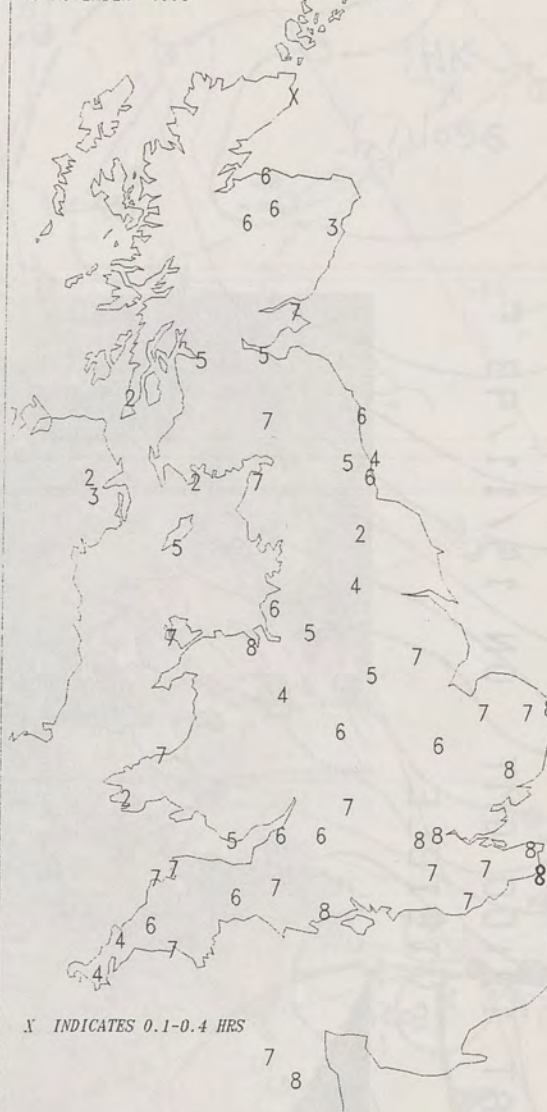
12 HOURS TO 0900

DAY RAINFALL
(MILLIMETRES)
19 NOVEMBER 1993



12 HOURS TO 2100

SUNSHINE (DAWN TO DUSK)
(HOURS)
19 NOVEMBER 1993



EXTREMES FOR FRIDAY 19TH NOVEMBER 1993

Highest Maximum	: 12.7 C Lossiemouth [Moray Firth]
Lowest Maximum	: 1.3 C Finningley [nr Doncaster]
Lowest Minimum	: -5.9 C Shap [Cumbria]
Lowest Grass Minimum	: -11.3 C Shap
Most Rain (24 hours from 0900 GMT)	: 0.5 mm Cromer [Norfolk]
Most Sun	: 8.0 Hrs Folkestone [Kent]

DAILY WEATHER SUMMARY

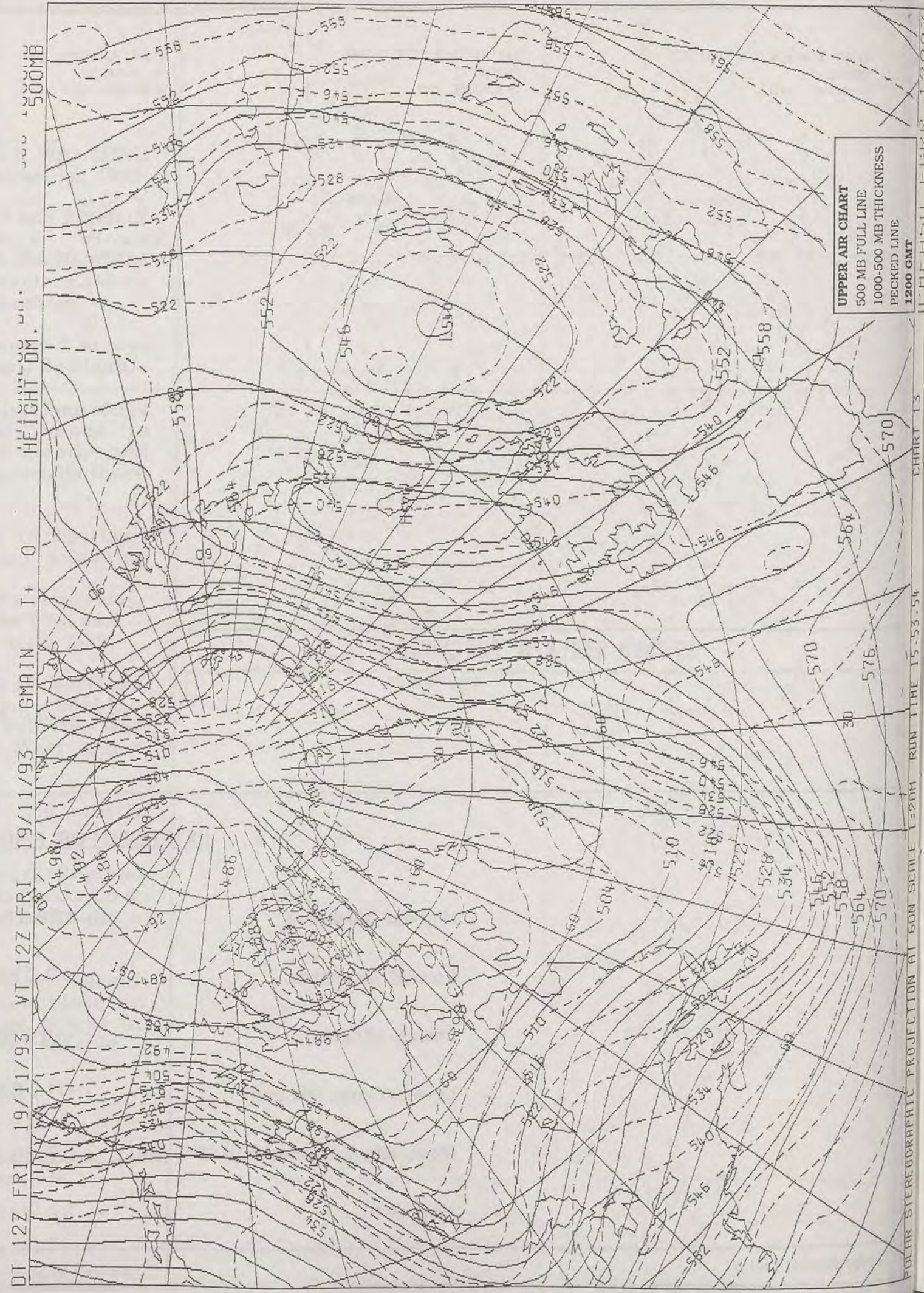


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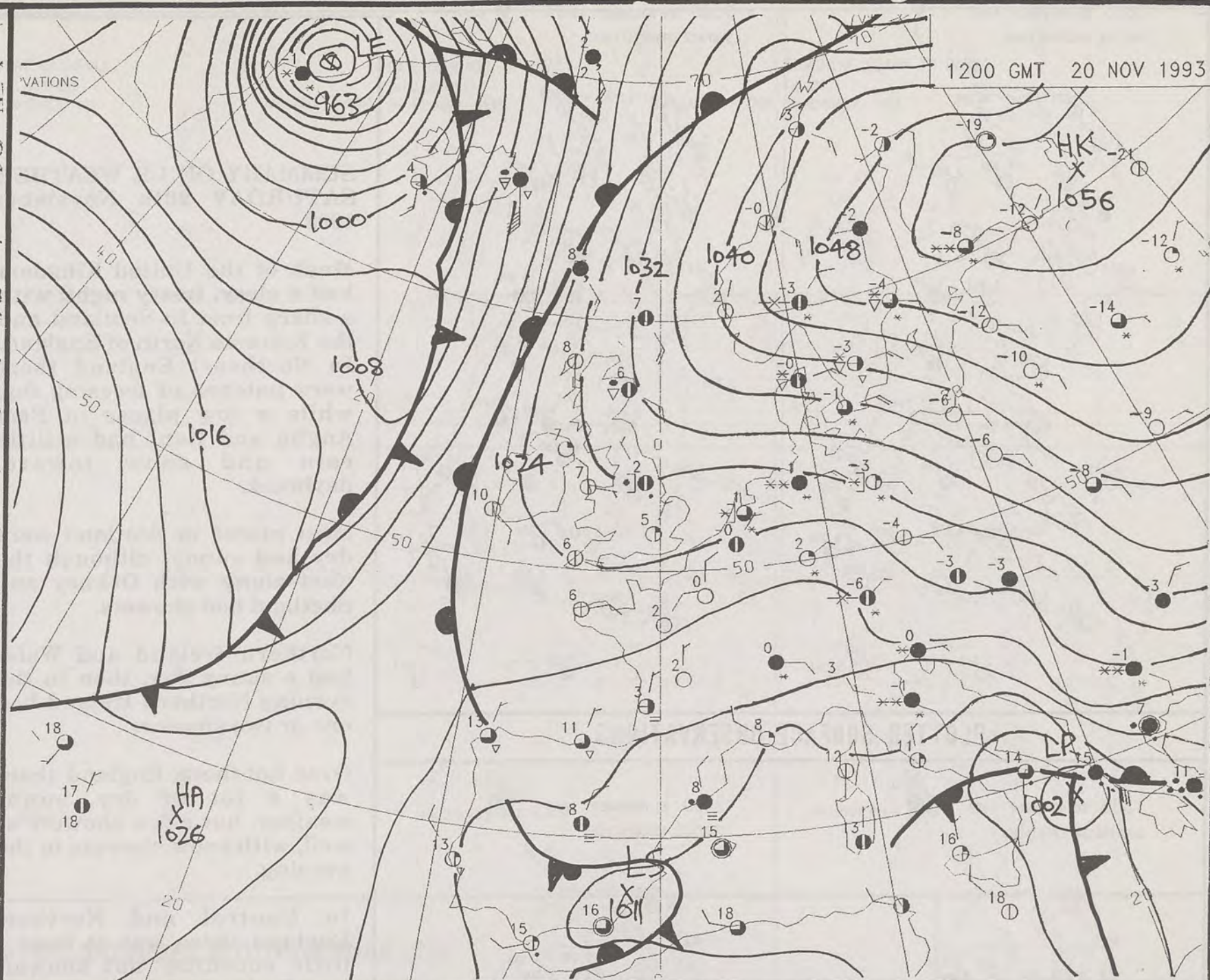
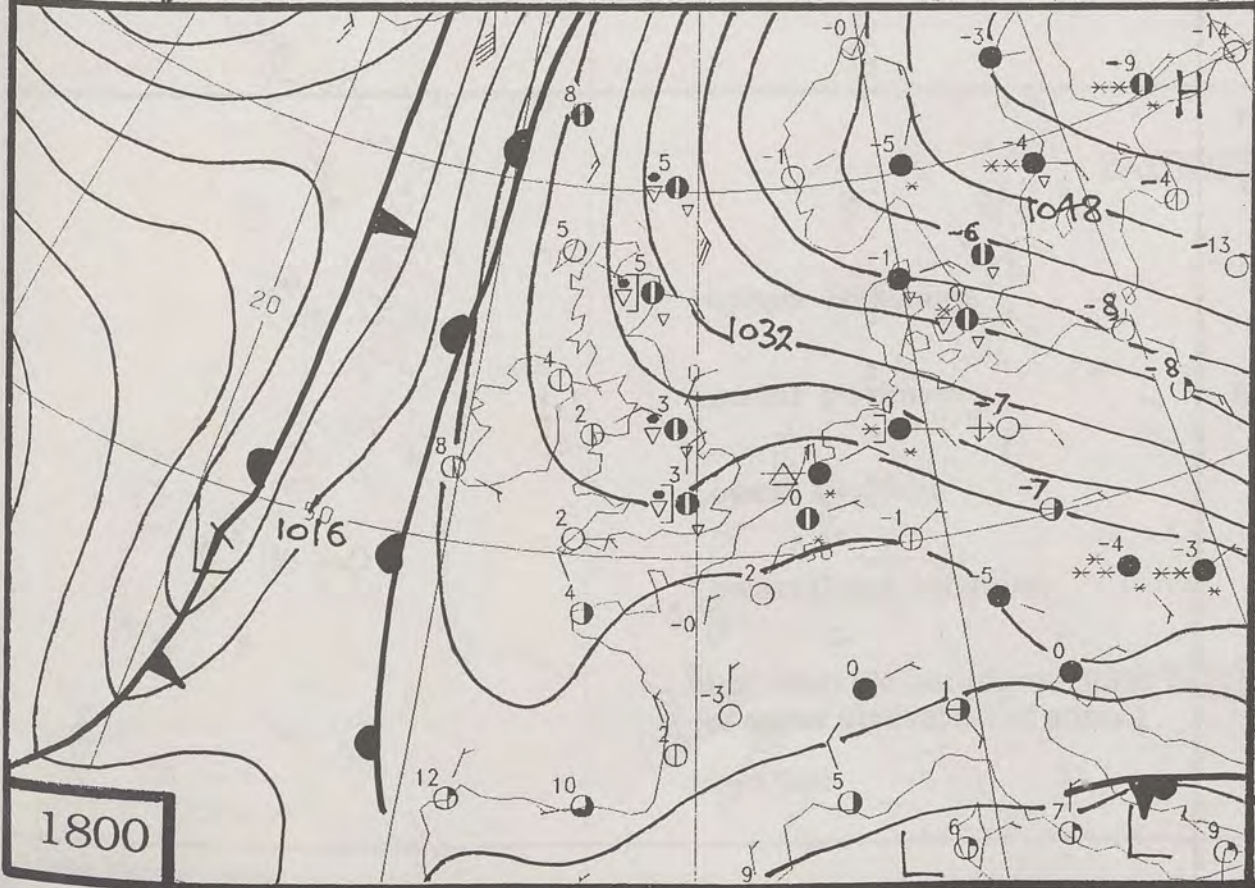
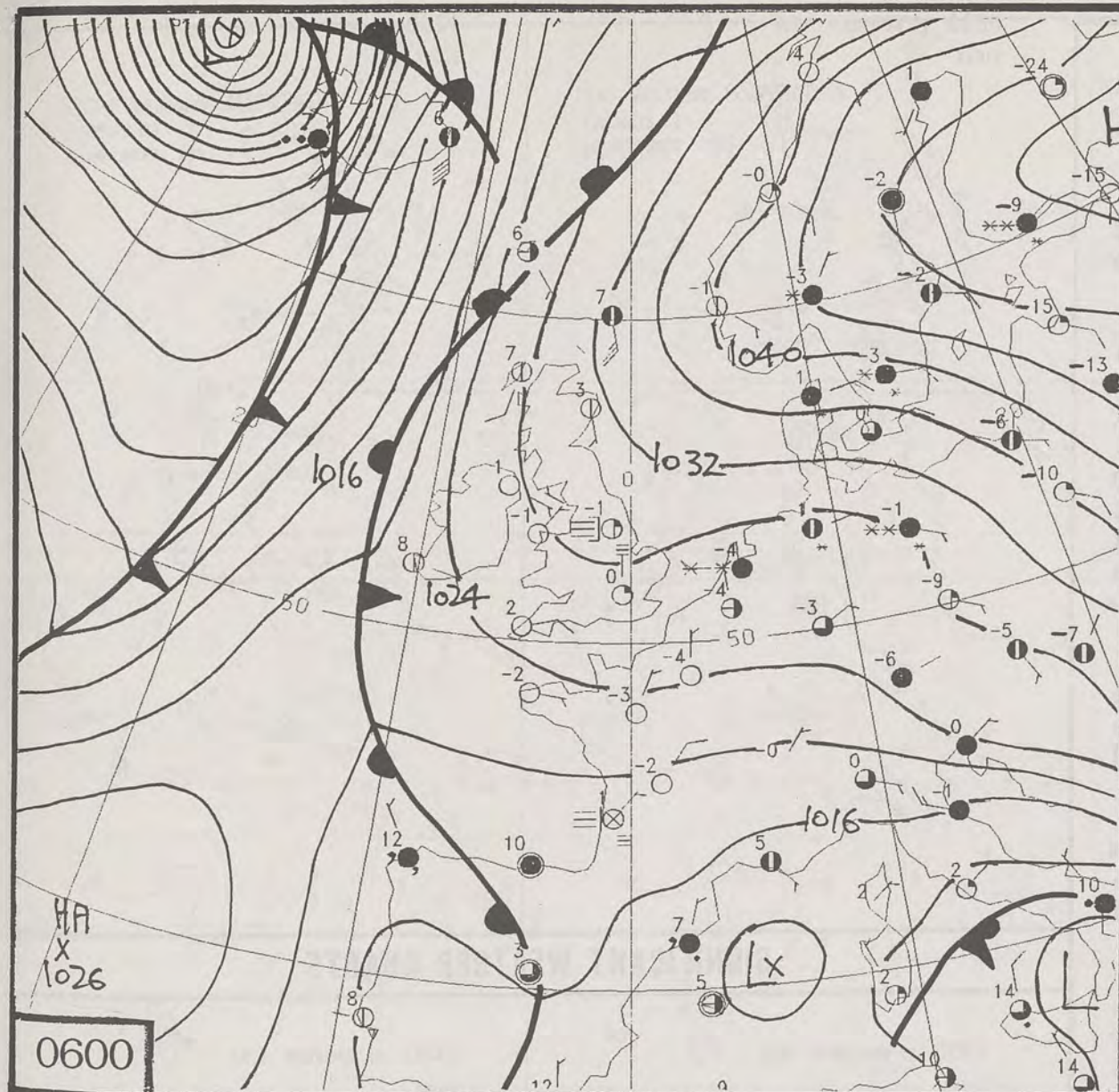
METEOSAT AT 12:00 GMT ON 19/11/93
VISIBLE



CLOUD THICKNESS
THICK THIN



NON
1000-500 MB THICKNESS
PECKED LINE
1200 GMT
CHART 13
570
POLAR STEREOGRAPHIC PROJECTION AT 60N SCALE 1:20M RUN TIME 15.53.54
570



DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Saturday 20th November 1993

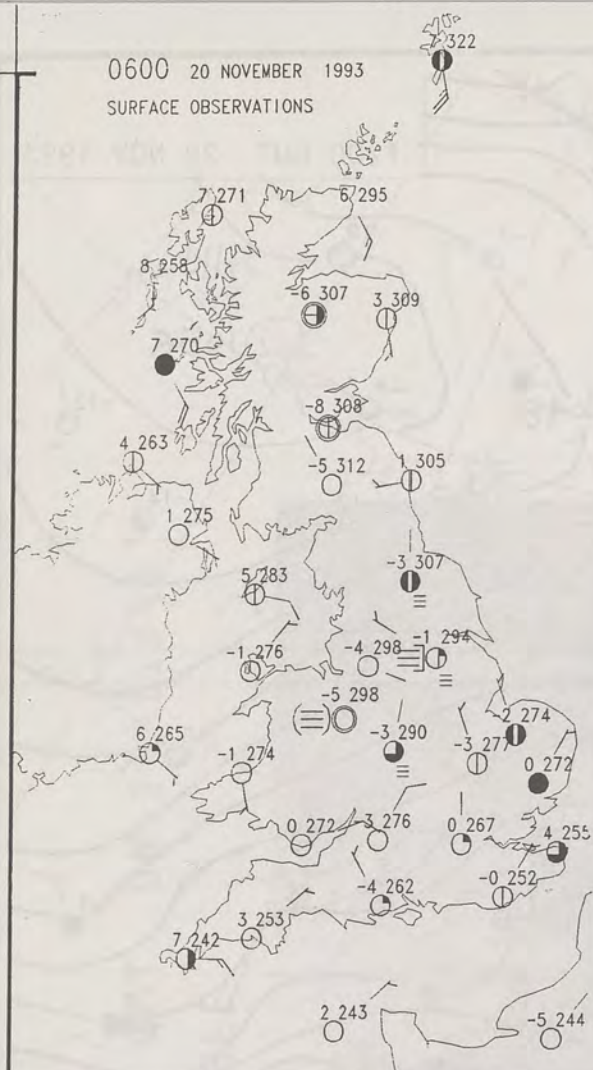
London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB



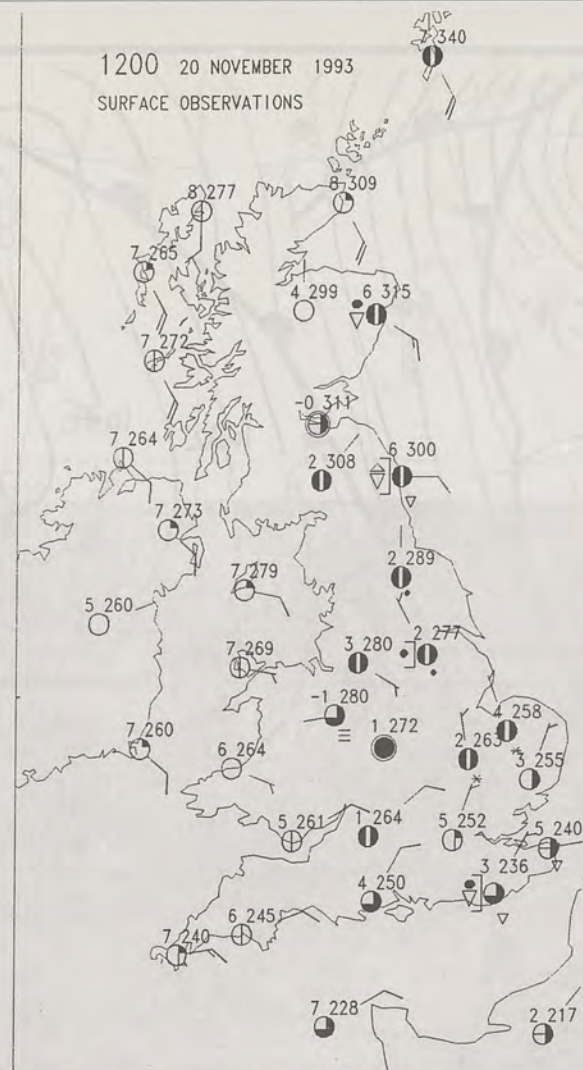
Warm front Cold front Occlusion

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0600 20 NOVEMBER 1993
SURFACE OBSERVATIONS



1200 20 NOVEMBER 1993
SURFACE OBSERVATIONS



SUMMARY OF UK WEATHER SATURDAY 20th November 1993

Much of the United Kingdom had a clear, frosty night, with a sharp frost in Scotland and the Extreme North of England. In Northeast England there were patches of freezing fog, while a few places in East Anglia and Kent had a little rain and snow towards daybreak.

Most places in Scotland were dry and sunny although the East along with Orkney and Shetland had showers.

Northern Ireland and Wales had a sunny day, then in the evening Northern Ireland had one or two showers.

Over Southern England there was a lot of dry, sunny weather but a few showers as well, with snow showers in the evening.

In Central and Northern England there was at least a little sunshine but showers too of rain, sleet and snow.

Many places had a cold or very cold day although Southwest England, Northern Ireland and Much of Scotland had temperatures close to average.

London Weather Centre

All times are GMT

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0600 20 NOVEMBER 1993
SIGWX

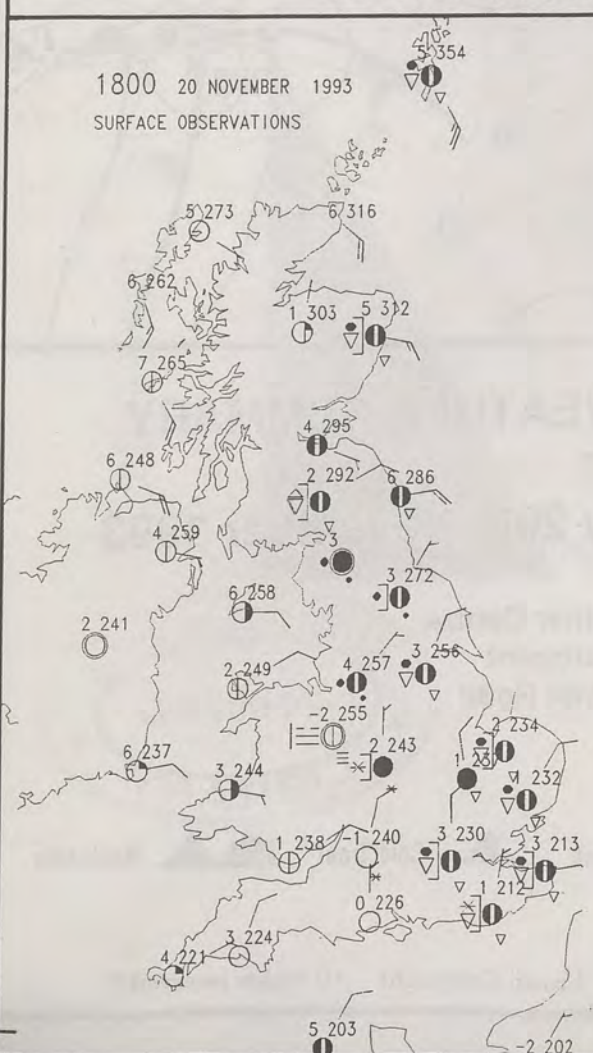


1200 20 NOVEMBER 1993
SIGWX

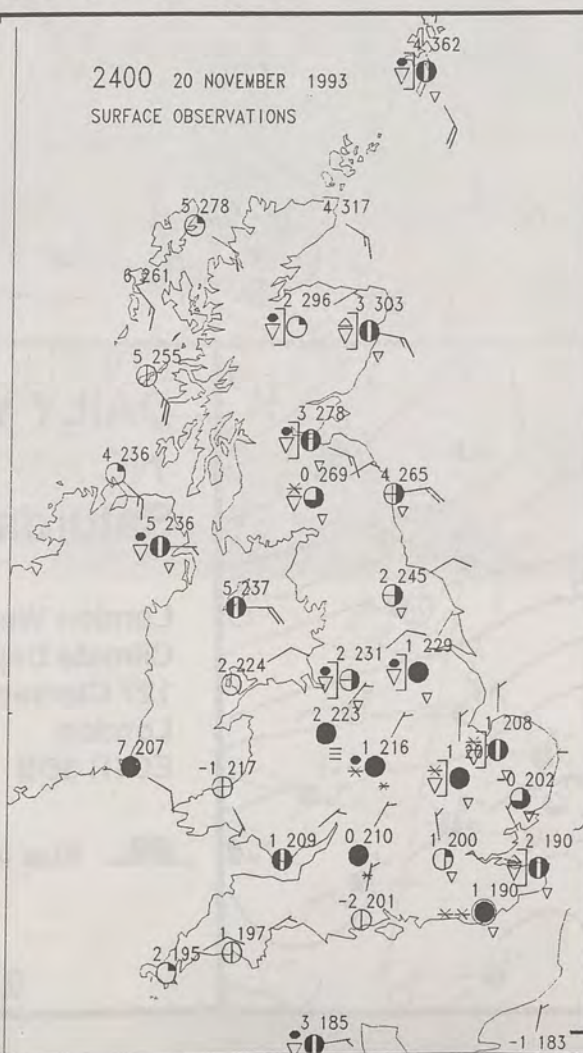


PLOTTED SURFACE OBSERVATIONS

1800 20 NOVEMBER 1993
SURFACE OBSERVATIONS



2400 20 NOVEMBER 1993
SURFACE OBSERVATIONS



SIGNIFICANT WEATHER CHARTS

1800 20 NOVEMBER 1993
SIGWX



2400 20 NOVEMBER 1993
SIGWX



NIGHT MINIMUM TEMPERATURE
(DEGREES C)
20 NOVEMBER 1993



DAY MAXIMUM TEMPERATURE
(DEGREES C)
20 NOVEMBER 1993



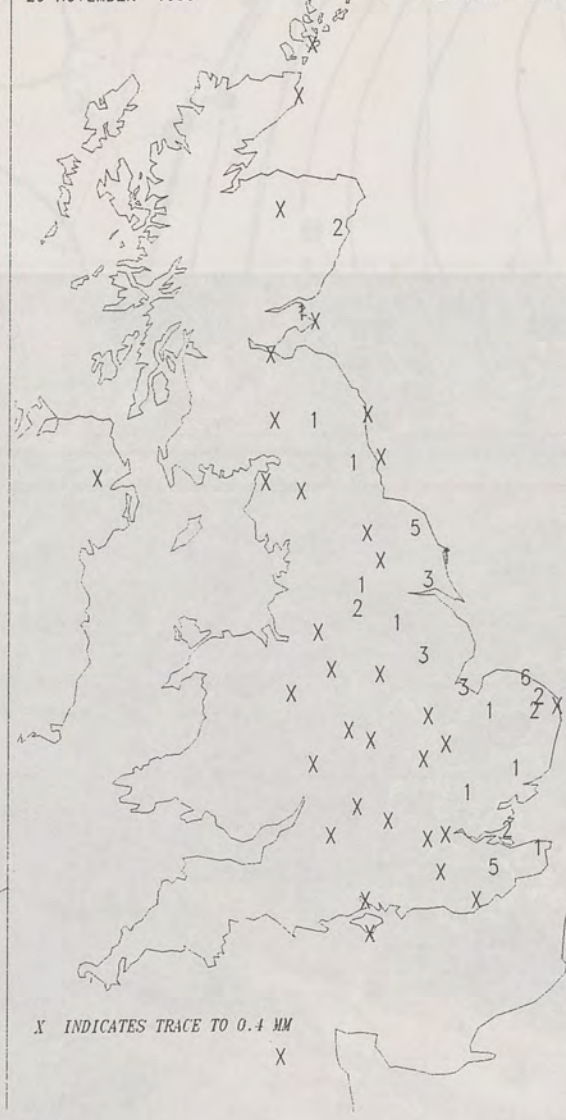
NIGHT RAINFALL
(MILLIMETRES)
20 NOVEMBER 1993



X INDICATES TRACE TO 0.4 MM

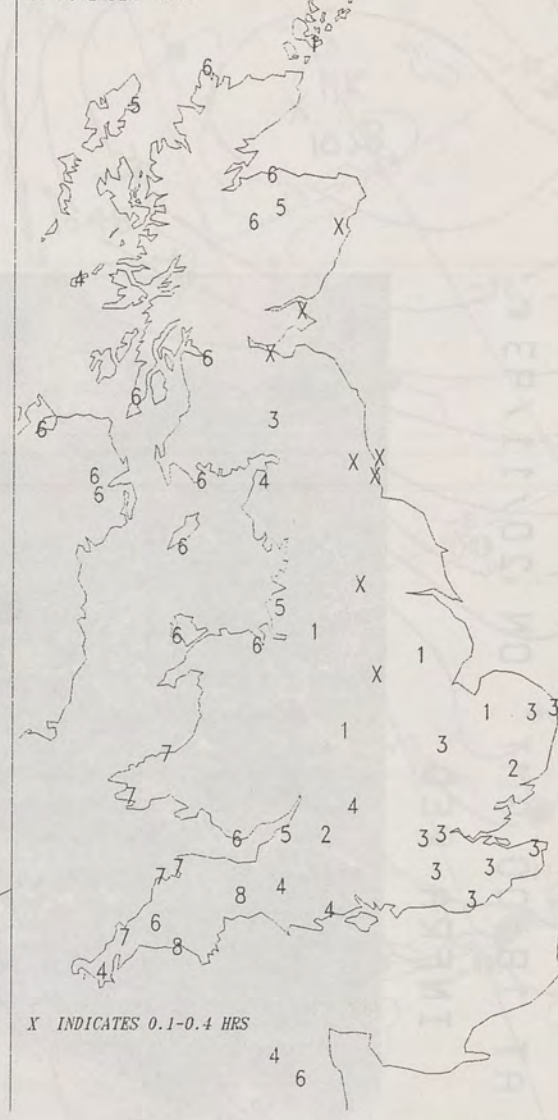
12 HOURS TO 0900

DAY RAINFALL
(MILLIMETRES)
20 NOVEMBER 1993



X INDICATES TRACE TO 0.4 MM

SUNSHINE (DAWN TO DUSK)
(HOURS)
20 NOVEMBER 1993



X INDICATES 0.1-0.4 HRS

EXTREMES FOR SATURDAY 20TH NOVEMBER 1993

Highest Maximum	: 10.2 C Isles of Scilly
Lowest Maximum	: 0.1 C Strathallan [Tayside]
Lowest Minimum	: -8.7 C Edinburgh / Turnhouse
Lowest Grass Minimum	: -12.6 C Shap [Cumbria]
Most Rain (24 hours from 0900 GMT) [or water equivalent of snow]	: 15.2 mm Clacton [Essex]
Most Sun	: 7.9 Hrs Dunkeswell [Devon]

DAILY WEATHER SUMMARY



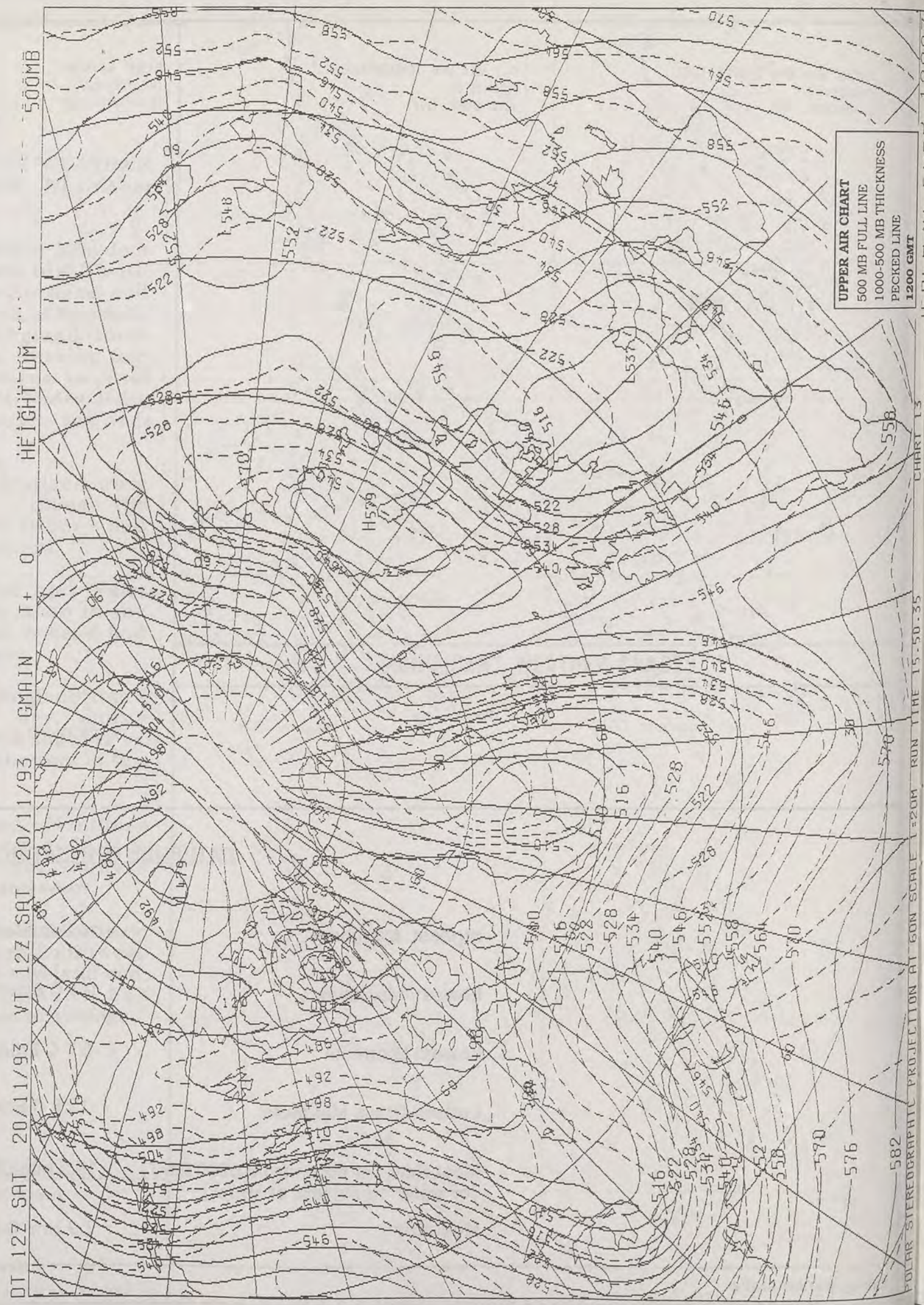
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METEOSAT AT 18:00 GMT ON 20/11/93
INFRA-RED

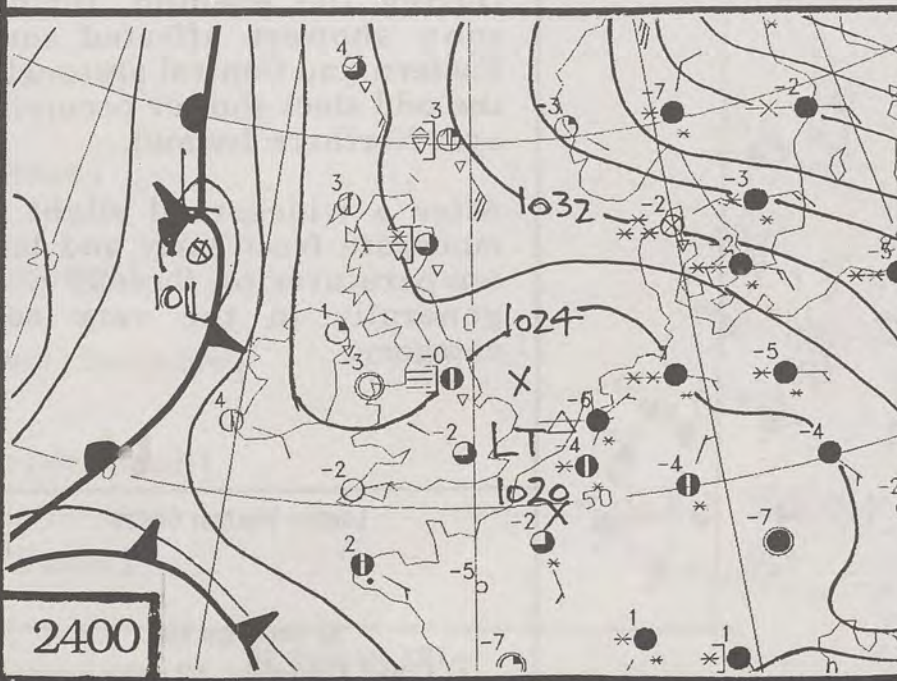
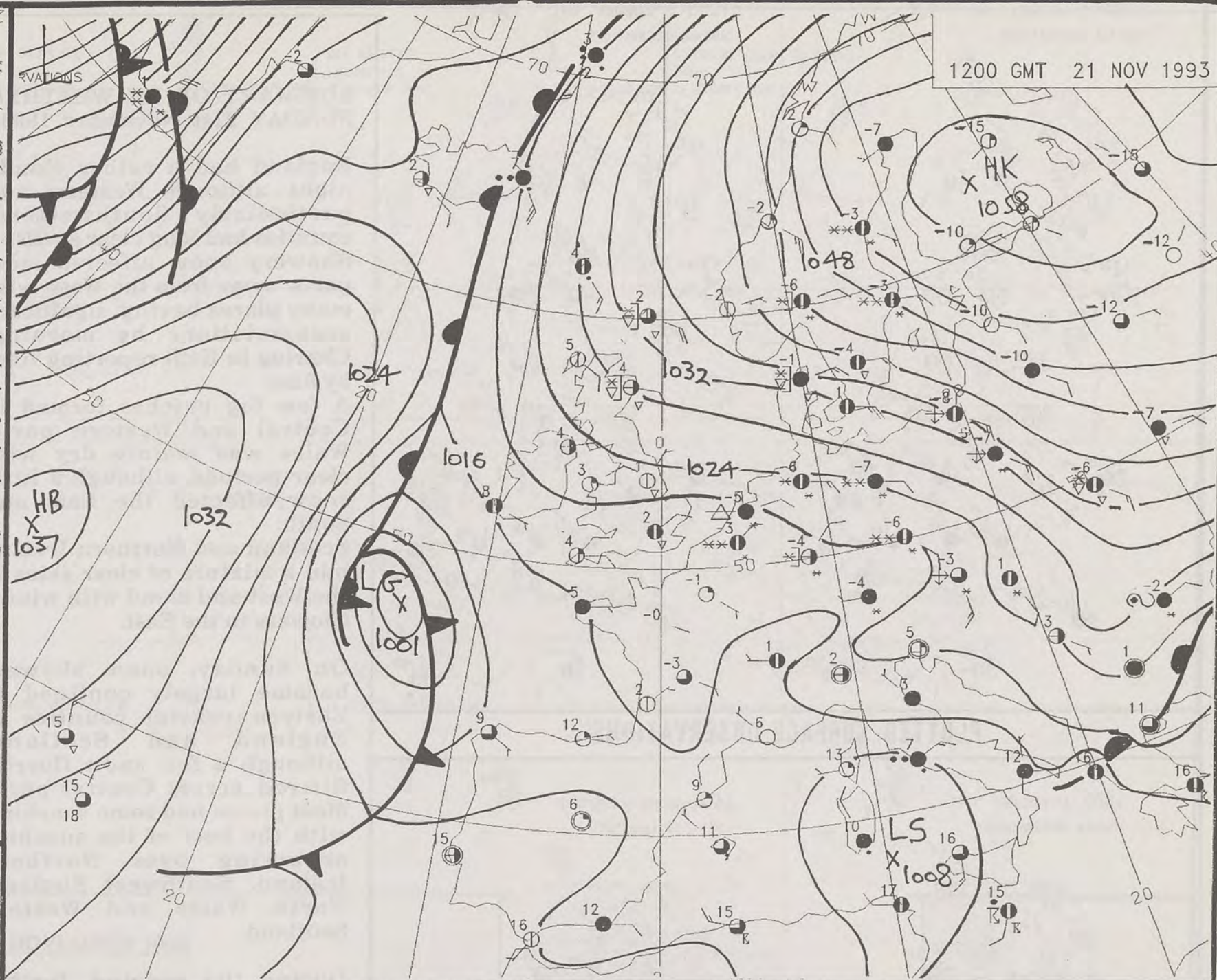
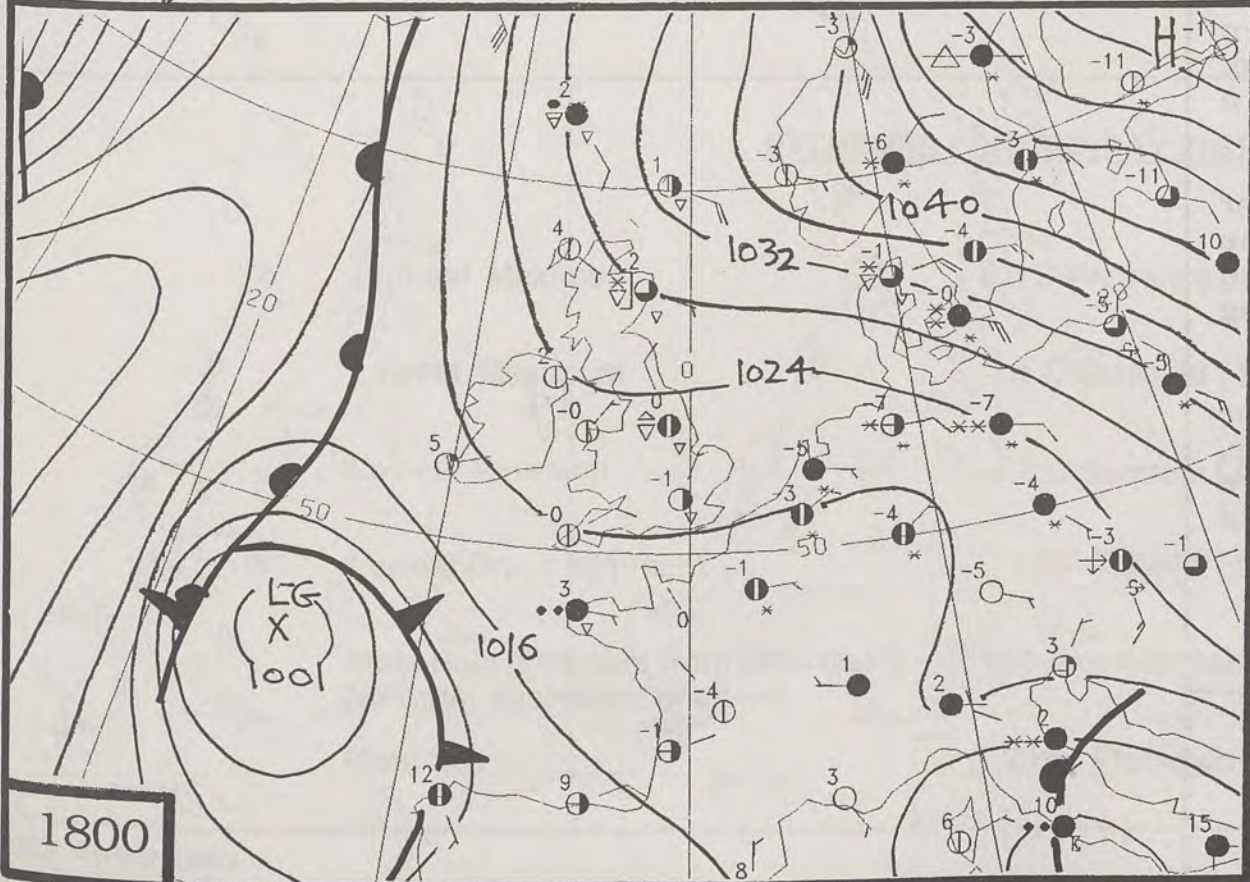
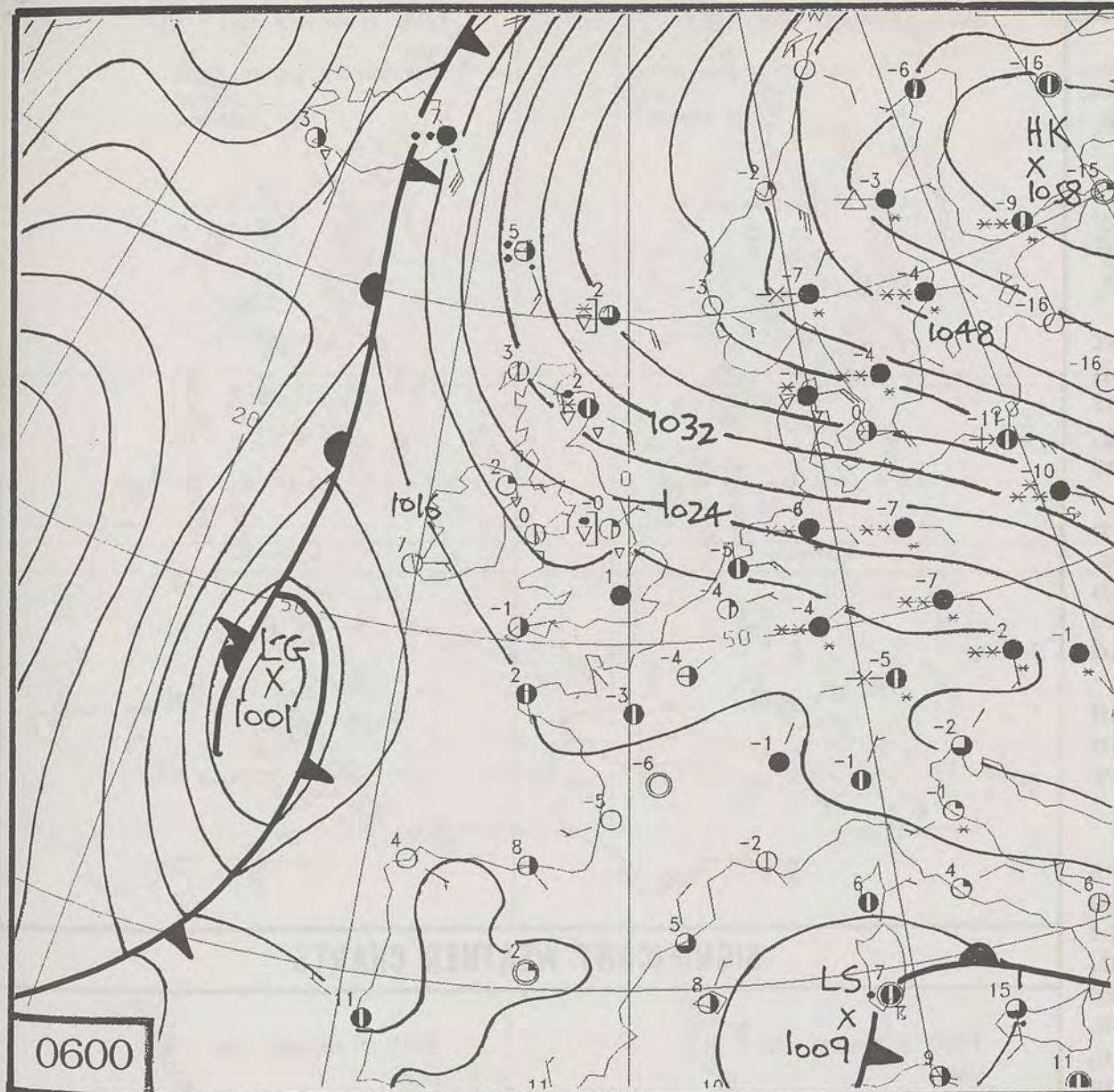


CLOUD-TOP OR LAND/SEA TEMPERATURE

COLD WARM



NON
1000-500 MB THICKNESS
PECKED LINE
1200 GMT
558
520
POLAR STEREOGRAPHIC PROJECTION AT 60N SCALE 1:20M RUN TIME 15.50.35
CHART 13



DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Sunday 21st November 1993

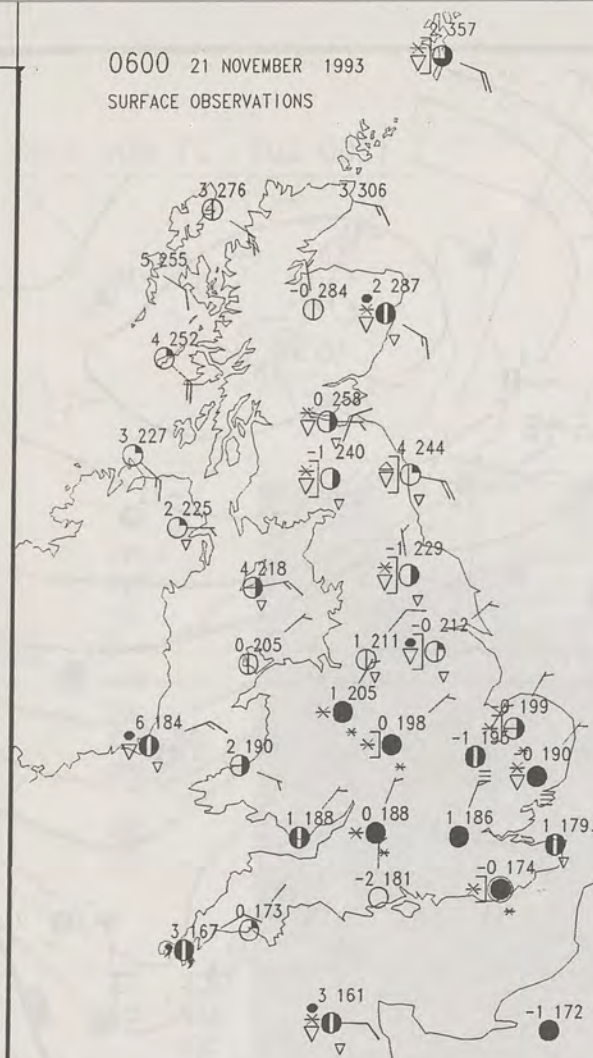
London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB



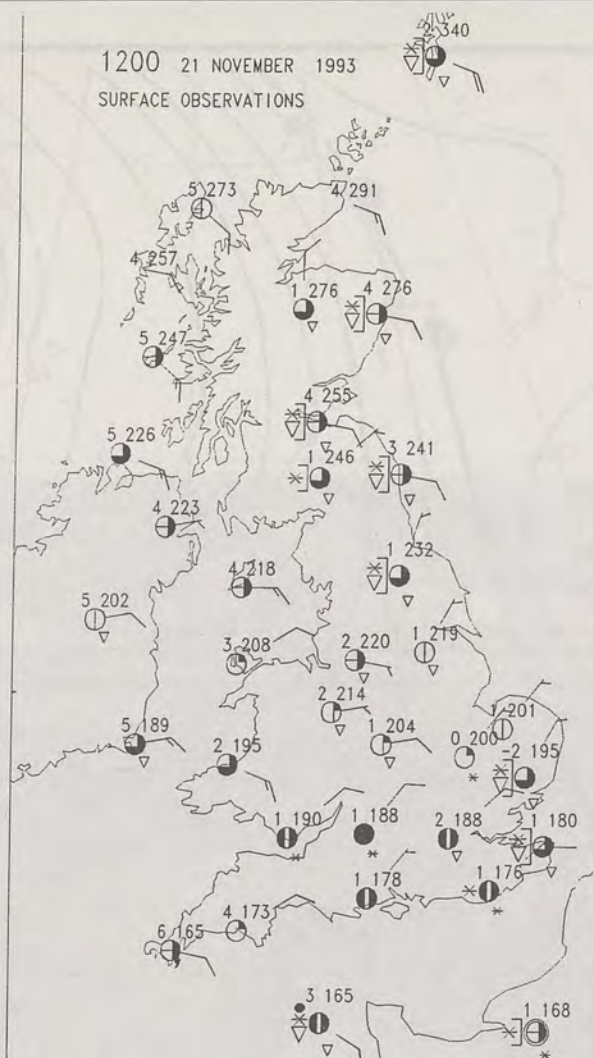
Warm front Cold front Occlusion

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0600 21 NOVEMBER 1993
SURFACE OBSERVATIONS



1200 21 NOVEMBER 1993
SURFACE OBSERVATIONS

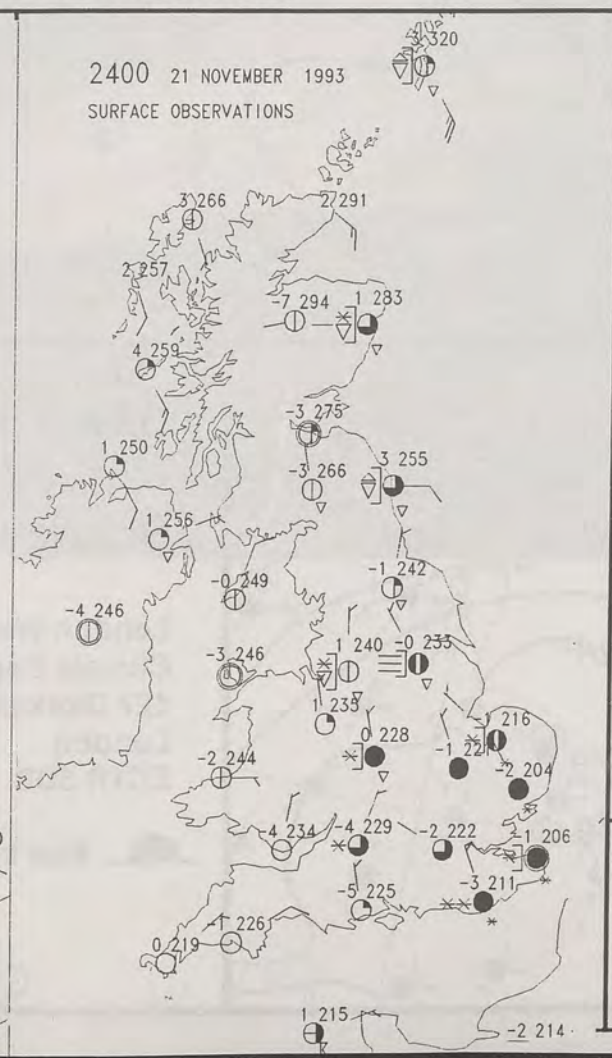


PLOTTED SURFACE OBSERVATIONS

1800 21 NOVEMBER 1993
SURFACE OBSERVATIONS



2400 21 NOVEMBER 1993
SURFACE OBSERVATIONS



SUMMARY OF UK WEATHER SUNDAY 21st November 1993

England had a rather cloudy night although Western and particularly Southwestern counties had long clear spells. Showery snow affected most parts away from the West, with many places having significant accumulations by morning, Charing in Kent reporting 7cms by 9am.

A few fog patches formed in Central and Western parts. Wales was mainly dry with clear periods, although a little snow affected the East and South.

Scotland and Northern Ireland had a mixture of clear skies in the West and cloud with wintry showers in the East.

On Sunday, snow showers became largely confined to Eastern coastal counties of England and Scotland, although a few snow flurries filtered across Central parts. Most places had some sunshine, with the best of the sunshine occurring over Northern Ireland, Southwest England, North Wales and Western Scotland.

During the evening, further snow showers affected some Eastern and Central areas with the odd sleet shower occurring over Northern Ireland.

After a widespread slight or moderate frost early and late, temperatures on Sunday were generally in the very cold category.

London Weather Centre

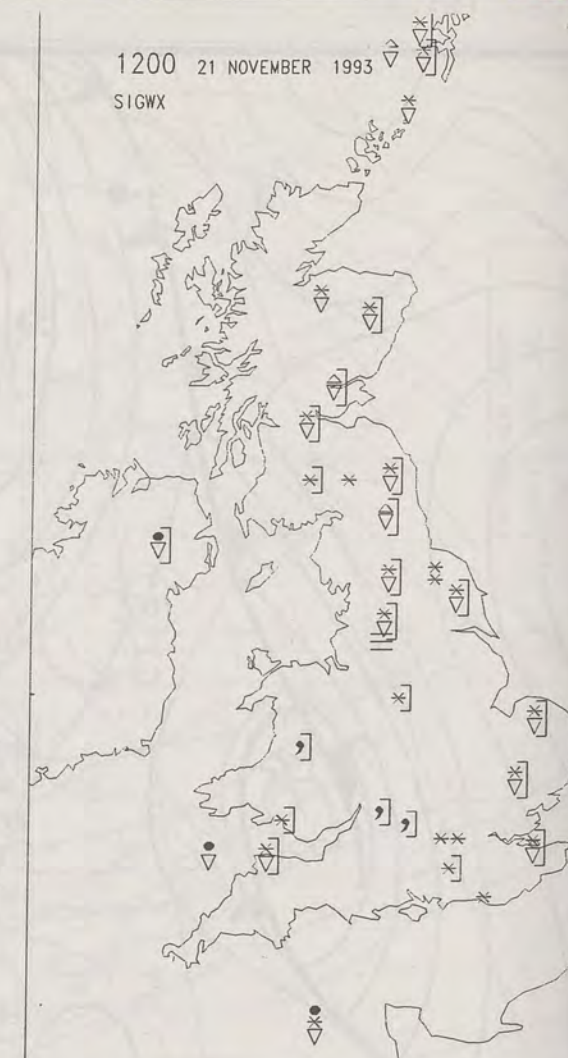
All times are GMT

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0600 21 NOVEMBER 1993
SIGWX



1200 21 NOVEMBER 1993
SIGWX

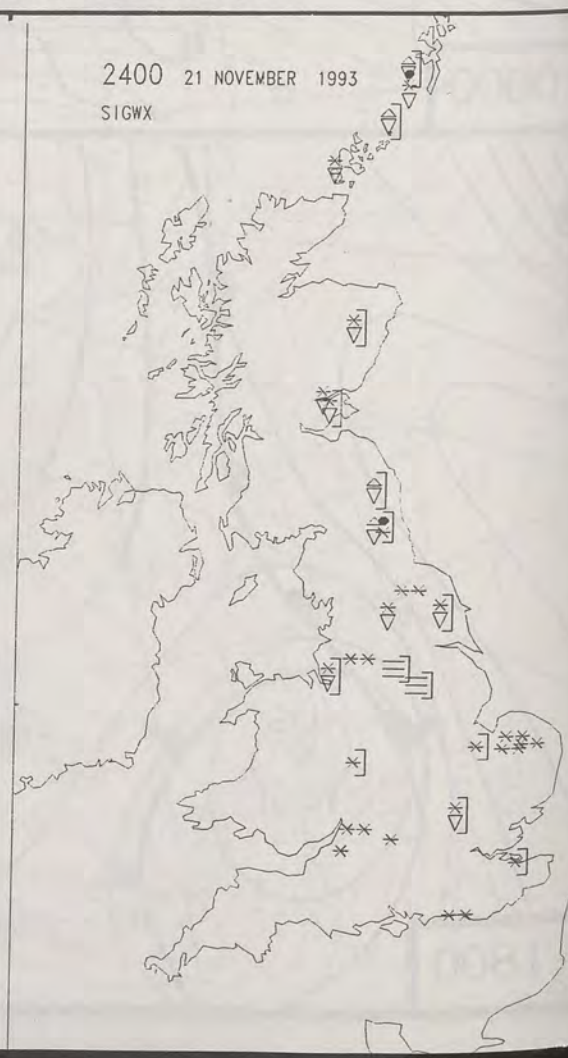


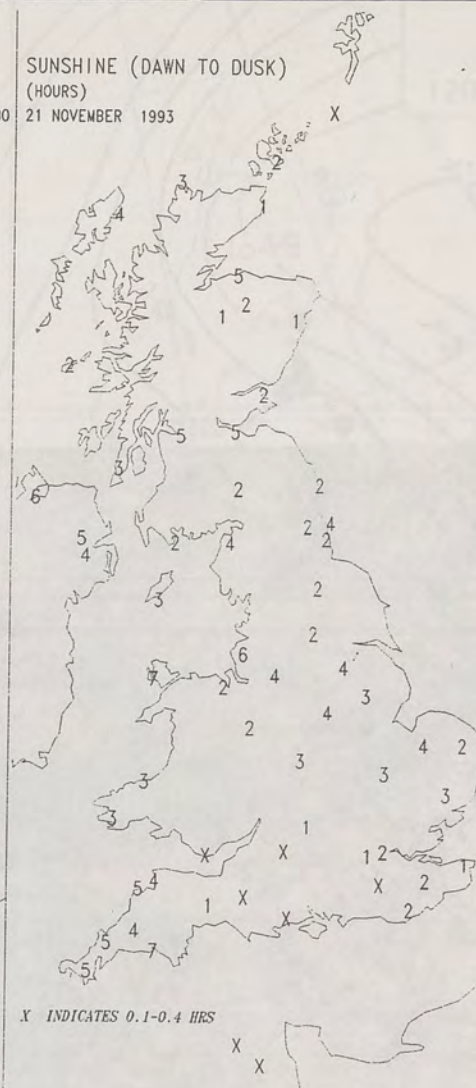
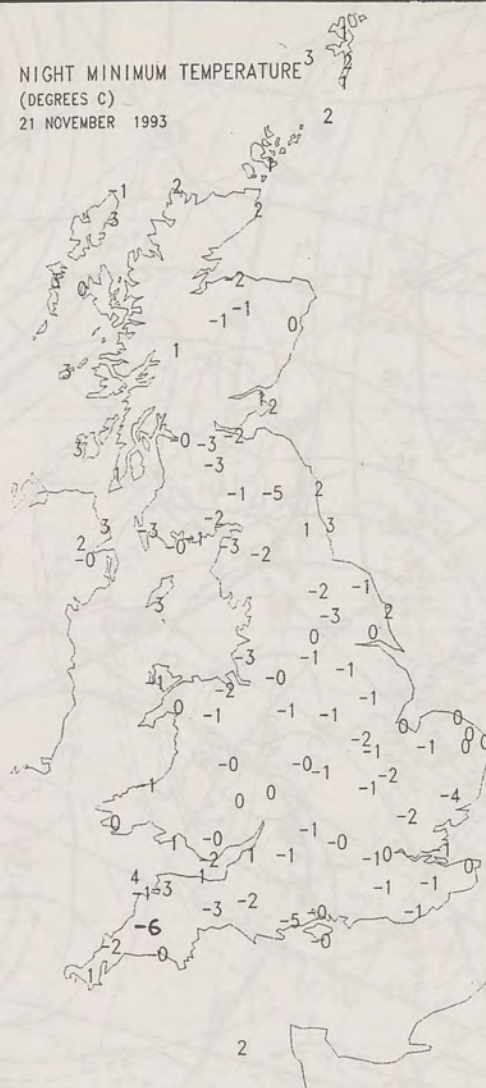
SIGNIFICANT WEATHER CHARTS

1800 21 NOVEMBER 1993
SIGWX

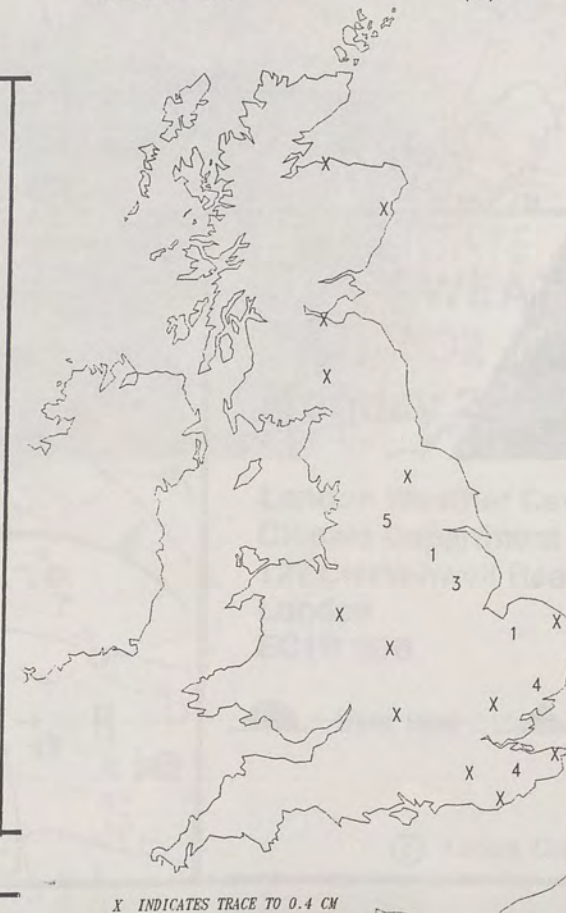


2400 21 NOVEMBER 1993
SIGWX





0600 21 NOVEMBER 1993
DEPTH OF SNOW (CM)



EXTREMES FOR SUNDAY 21ST NOVEMBER 1993

Highest Maximum	: 8.0 C Penzance [Cornwall]
Lowest Maximum	: -1.1 C Stansted [Essex]
Lowest Minimum	: -6.0 C Bastreet [Cornwall]
Lowest Grass Minimum	: -11.3 C Beaufort Park [Berkshire]
Most Rain (24 hours from 0900 GMT) [or water equivalent of snow]	: 15.3 mm Inchmarlo [Grampian]
Most Sun	: 7.2 Hrs Plymouth [Devon]

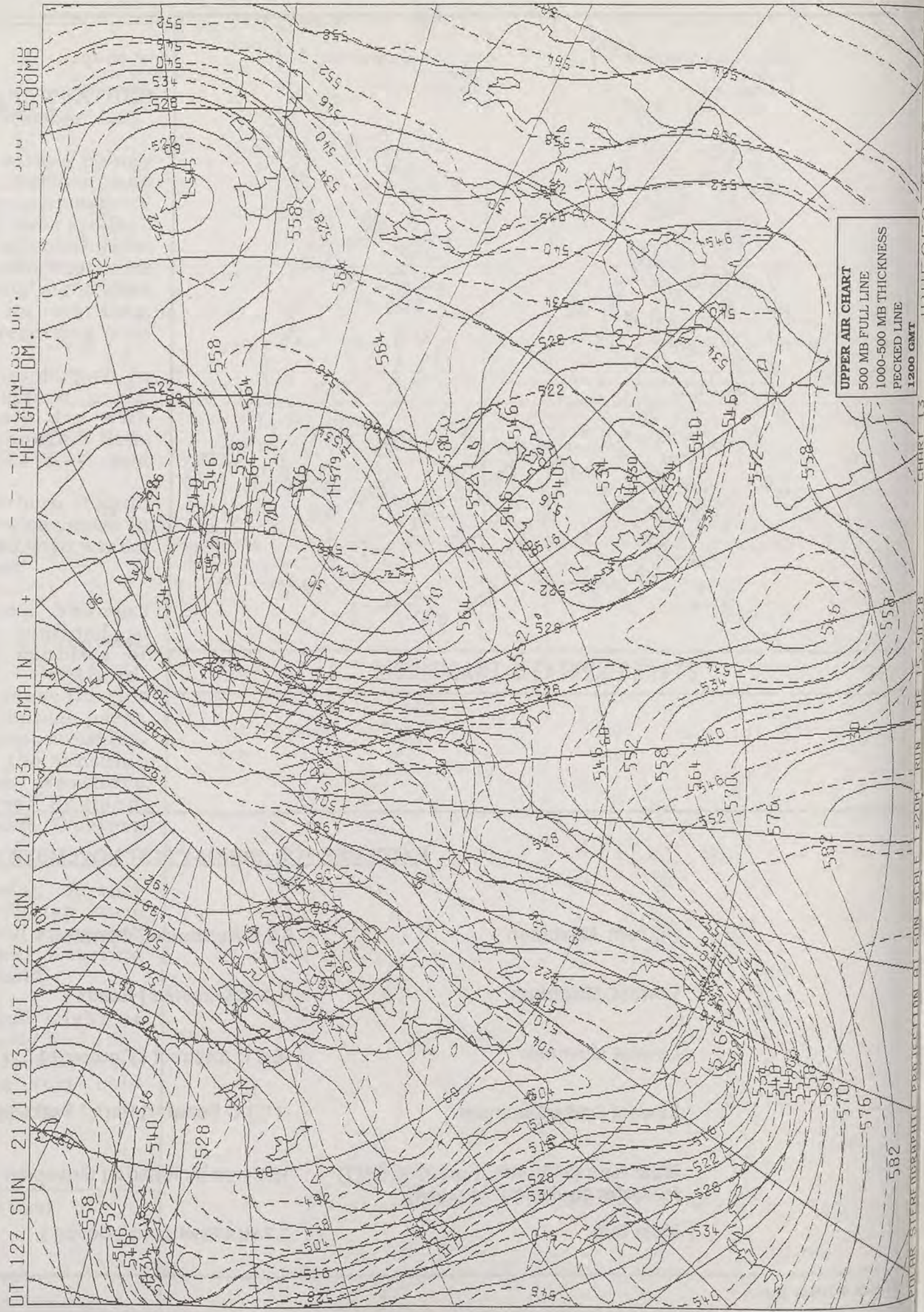
DAILY WEATHER SUMMARY

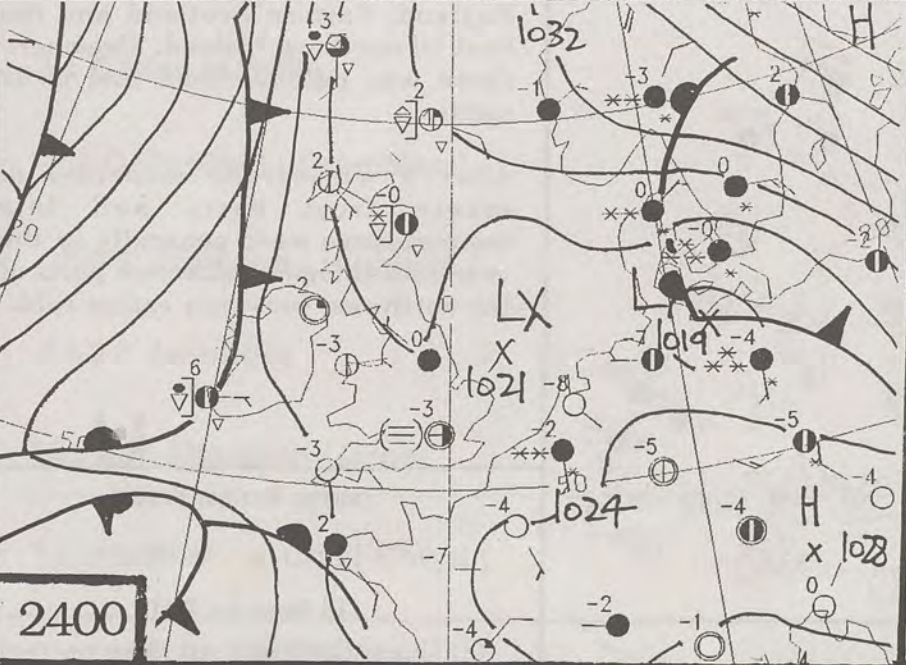
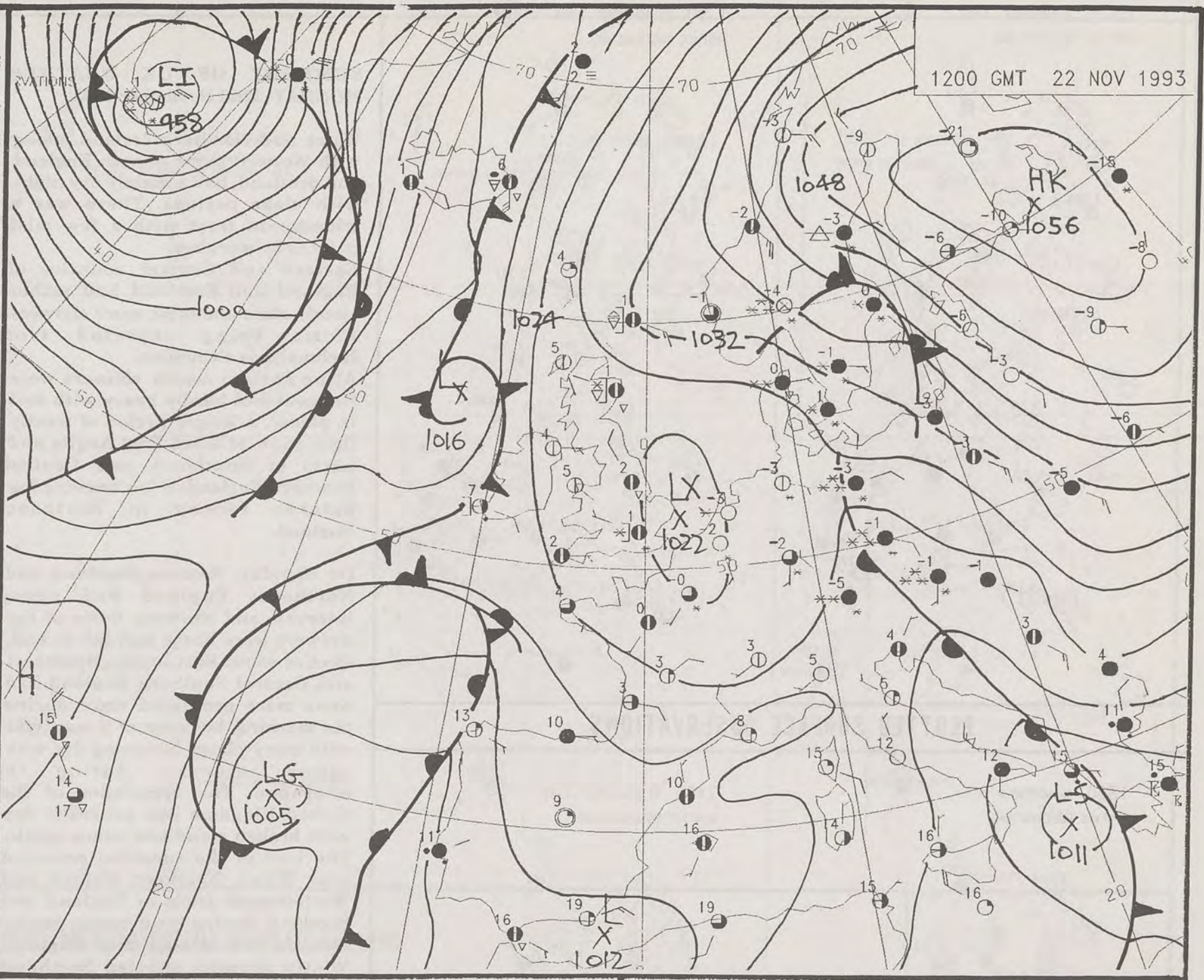
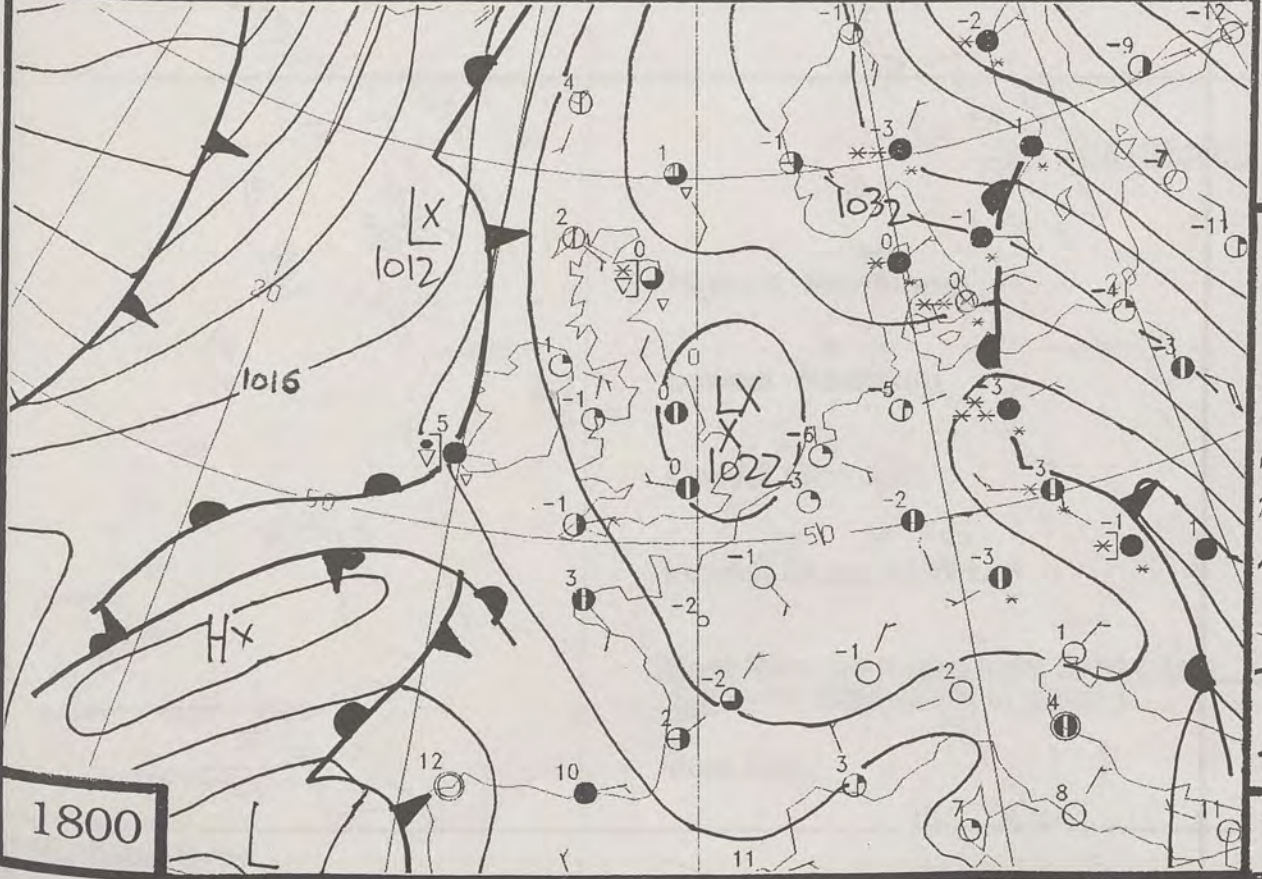
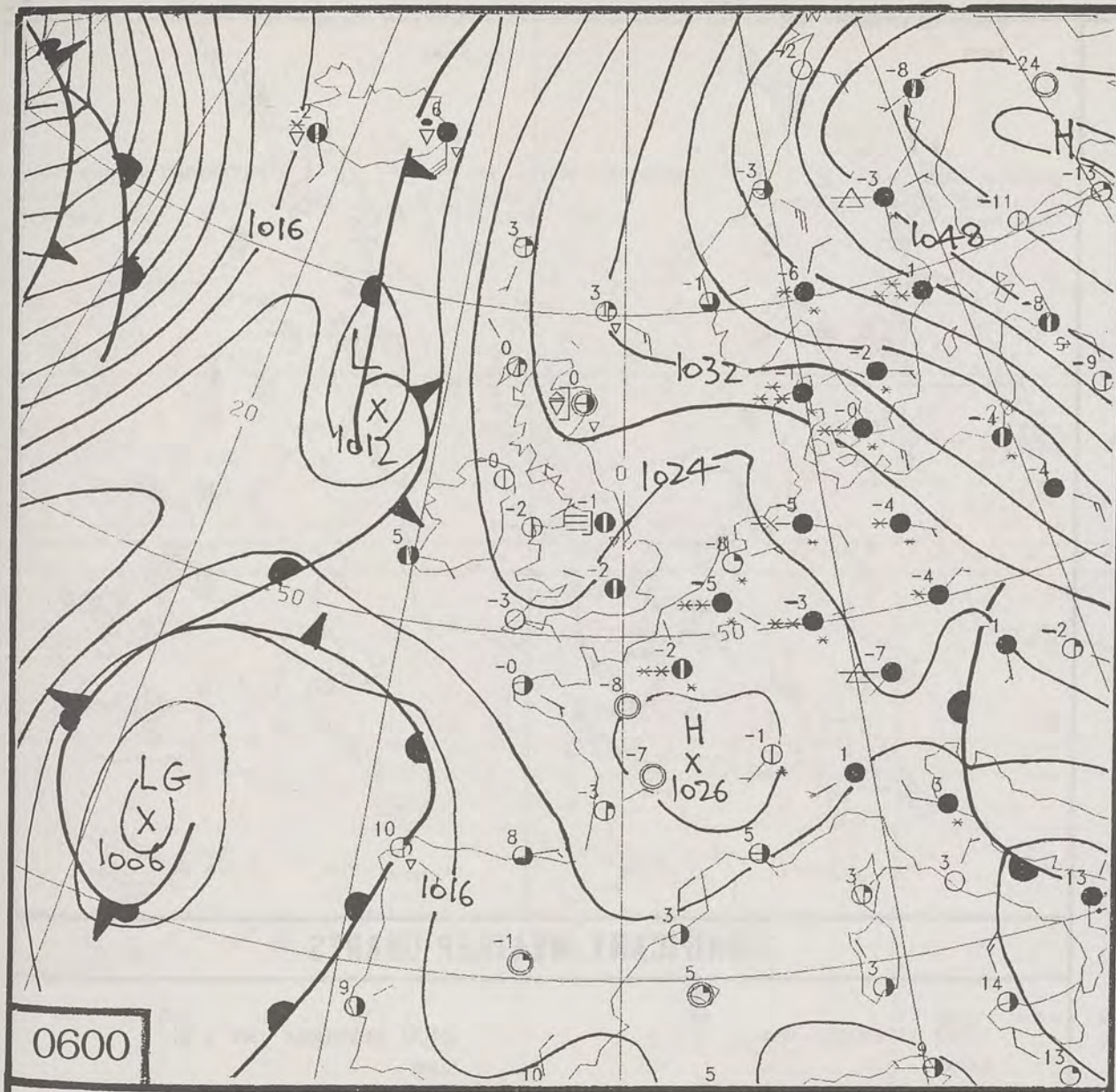


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THICK

THIN





DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Monday 22nd November 1993

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB

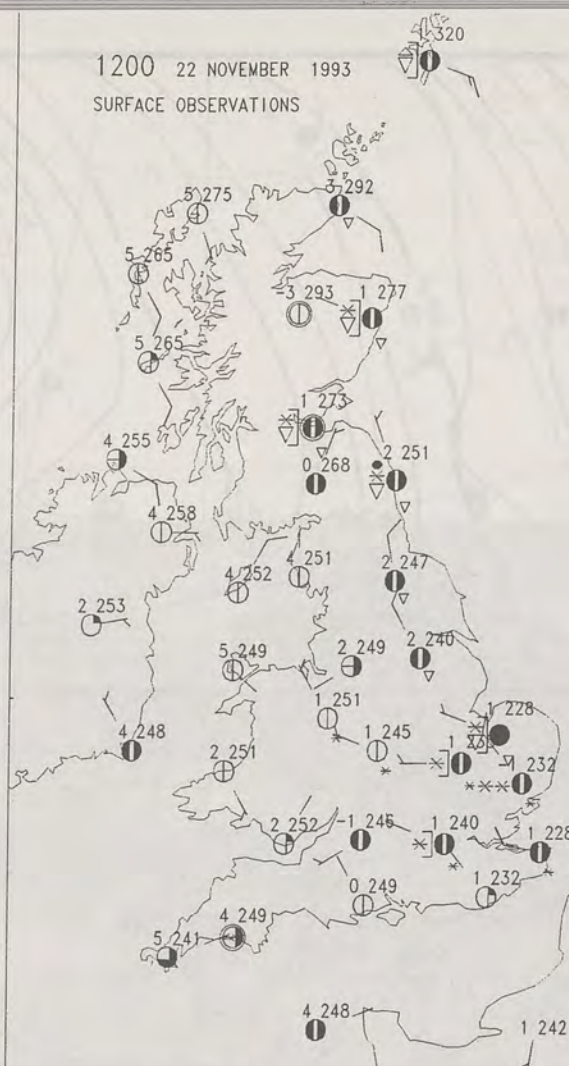


Warm front Cold front Occlusion

0600 22 NOVEMBER 1993
SURFACE OBSERVATIONS

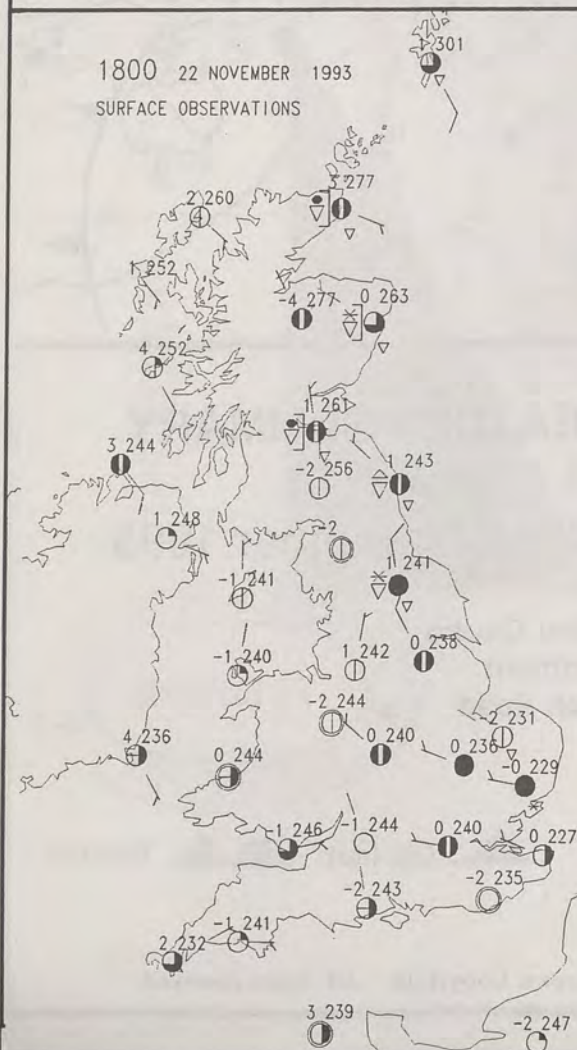


1200 22 NOVEMBER 1993
SURFACE OBSERVATIONS

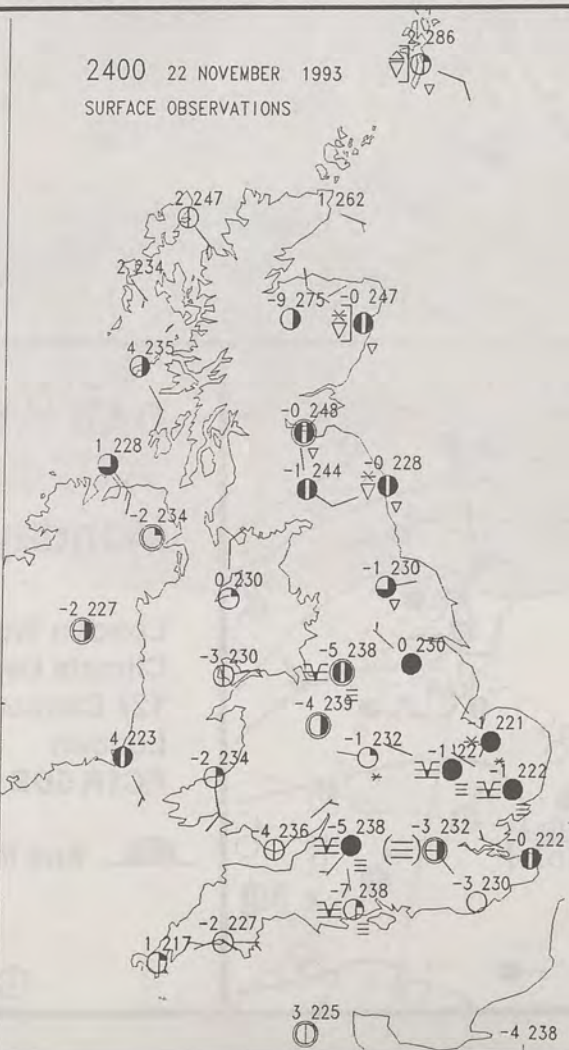


PLOTTED SURFACE OBSERVATIONS

1800 22 NOVEMBER 1993
SURFACE OBSERVATIONS



2400 22 NOVEMBER 1993
SURFACE OBSERVATIONS



SUMMARY OF UK WEATHER MONDAY 22nd November 1993

Wales and Northern Ireland, along with Western parts of both England and Scotland, had a mainly dry night with clear periods. There was a widespread frost with a few mist patches by morning.

Eastern and Central counties of England and Scotland had rather cloudy skies and some snow showers-17cms being reported from Inchmarlo in Grampian.

Along Eastern coasts showers were frequent and locally heavy with hail in places. A longer period of mostly light snow affected East Anglia and parts of Southeast and Central Southern England. A few freezing fog patches formed in Northeast England.

On Monday, Eastern Scotland and Northeast England had sunny intervals and showers. Some of the showers were heavy and fell as hail, sleet or snow. East Anglia, Southeast and Central Southern England had some more prolonged snow during the morning, but most of it was light with many places becoming dry with sunny intervals during the afternoon. The remainder of the United Kingdom was generally dry with broken cloud and sunny spells. The best of the sunshine occurred over Wales, Northern Ireland and Westernmost parts of England and Scotland. During the evening, patchy freezing fog formed over England. Wintry showers affected Northeast England, Eastern Scotland and the East Of northern Ireland. Elsewhere there was patchy cloud and clear spells.

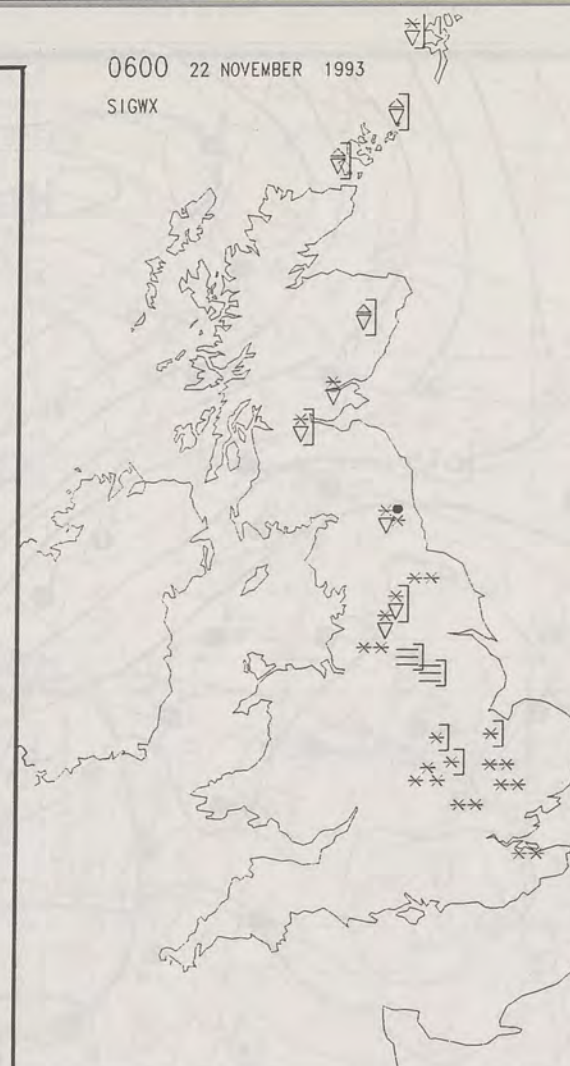
After a widespread moderate or severe frost early and late, temperatures were generally in the very cold category, although parts of the northwest were only rather cold.

London Weather Centre

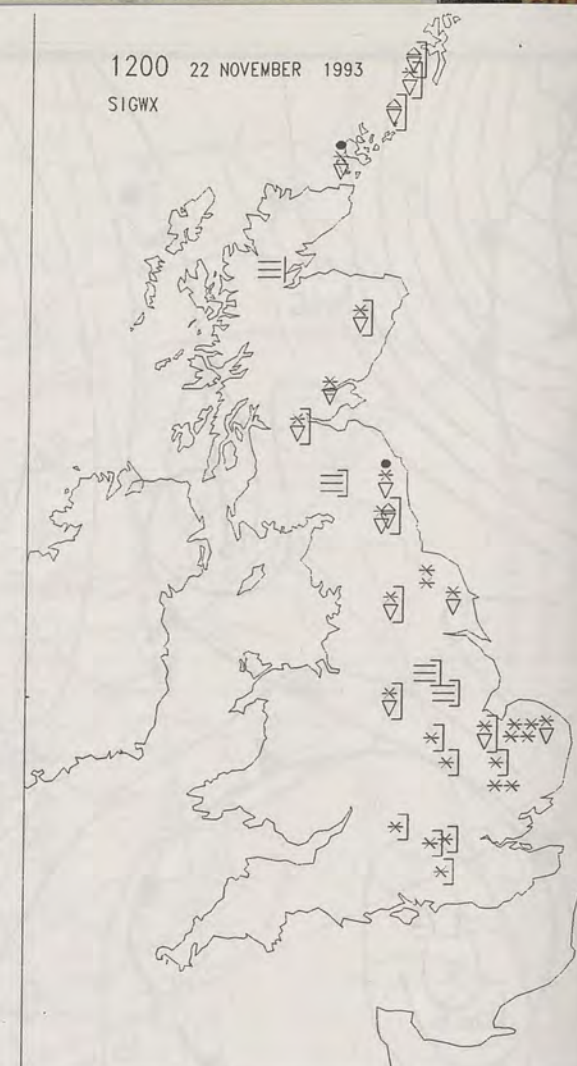
All times are GMT

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0600 22 NOVEMBER 1993
SIGWX



1200 22 NOVEMBER 1993
SIGWX



SIGNIFICANT WEATHER CHARTS

1800 22 NOVEMBER 1993
SIGWX



2400 22 NOVEMBER 1993
SIGWX



NIGHT MINIMUM TEMPERATURE
(DEGREES C)
22 NOVEMBER 1993



DAY MAXIMUM TEMPERATURE
(DEGREES C)
22 NOVEMBER 1993



NIGHT RAINFALL
(MILLIMETRES)
22 NOVEMBER 1993



DAY RAINFALL
(MILLIMETRES)
22 NOVEMBER 1993



SUNSHINE (DAWN TO DUSK)
(HOURS)
22 NOVEMBER 1993



0600 22 NOVEMBER 1993
DEPTH OF SNOW (CM)



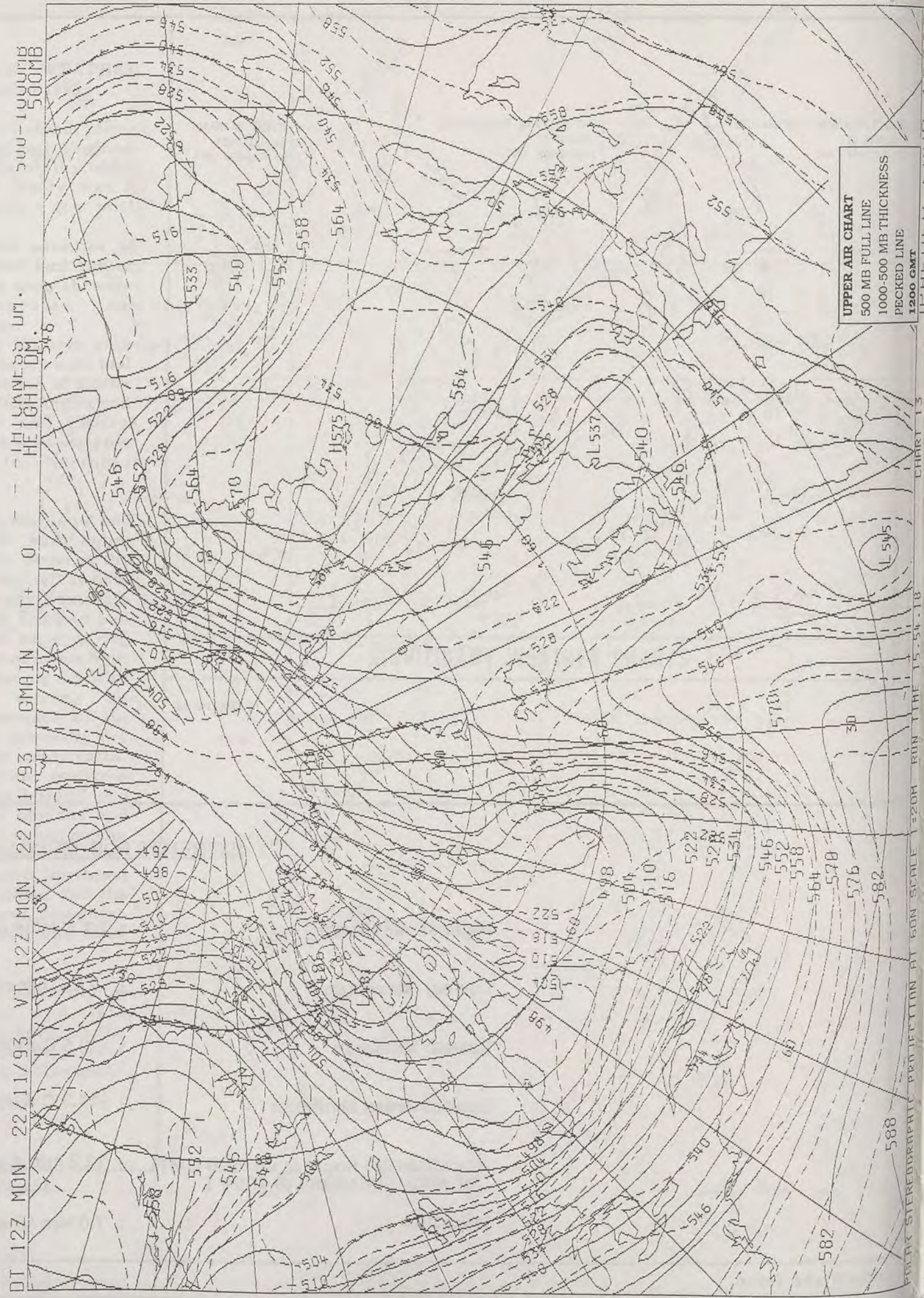
EXTREMES FOR MONDAY 22ND NOVEMBER 1993

Highest Maximum	: 7.1 C Isles of Scilly
Lowest Maximum	: -2.0 C Glenlivet [Grampian]
Lowest Minimum	: -10.5 C Aviemore [Highland]
Lowest Grass Minimum	: -14.3 C Aviemore
Most Rain (24 hours from 0900 GMT) [or water equivalent of snow]	: 13.2 mm Aberdeen / Dyce
Most Sun	: 7.0 Hrs Moel - y - Crio [Clwyd]

DAILY WEATHER SUMMARY



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1000-500 MB THICKNESS
PECKED LINE
1200 GMT

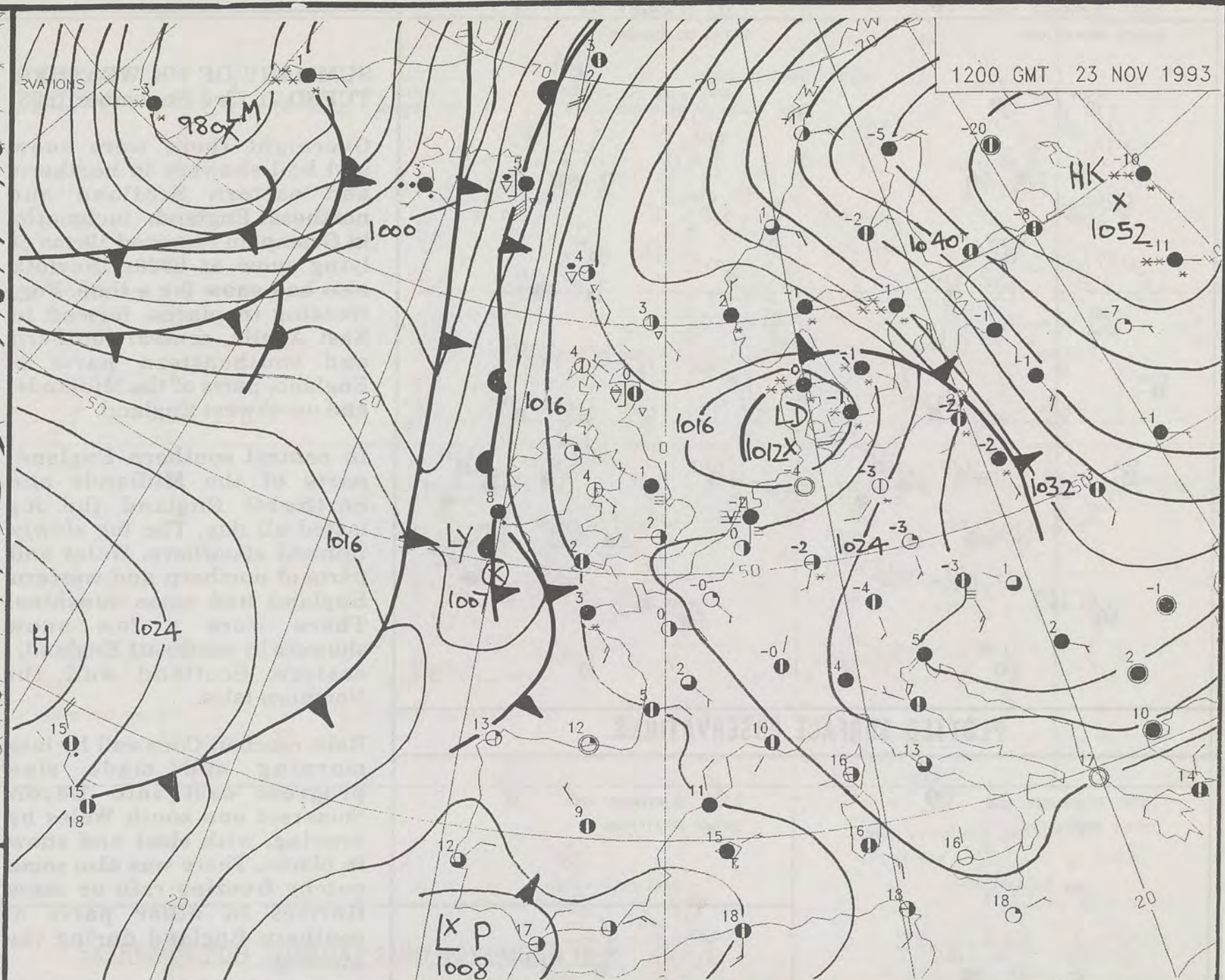
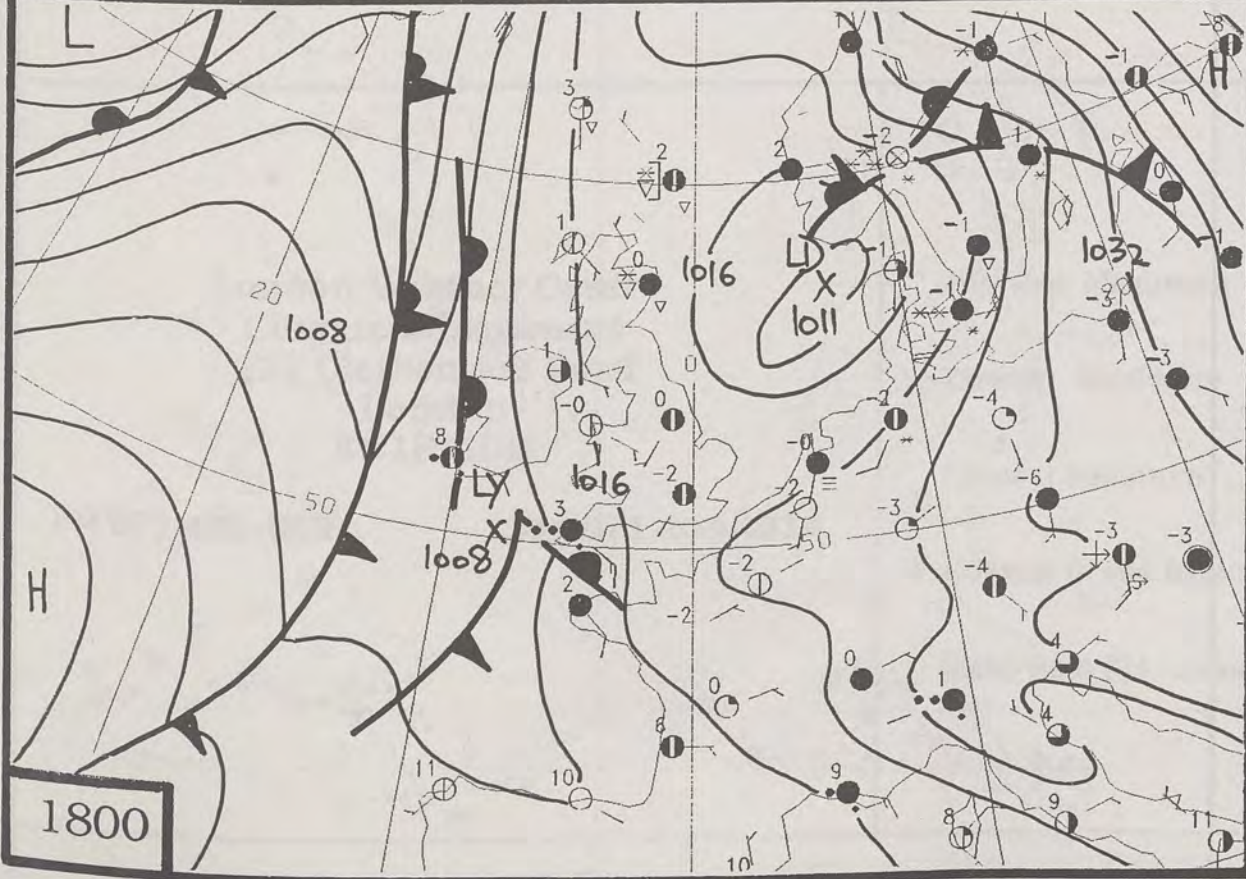
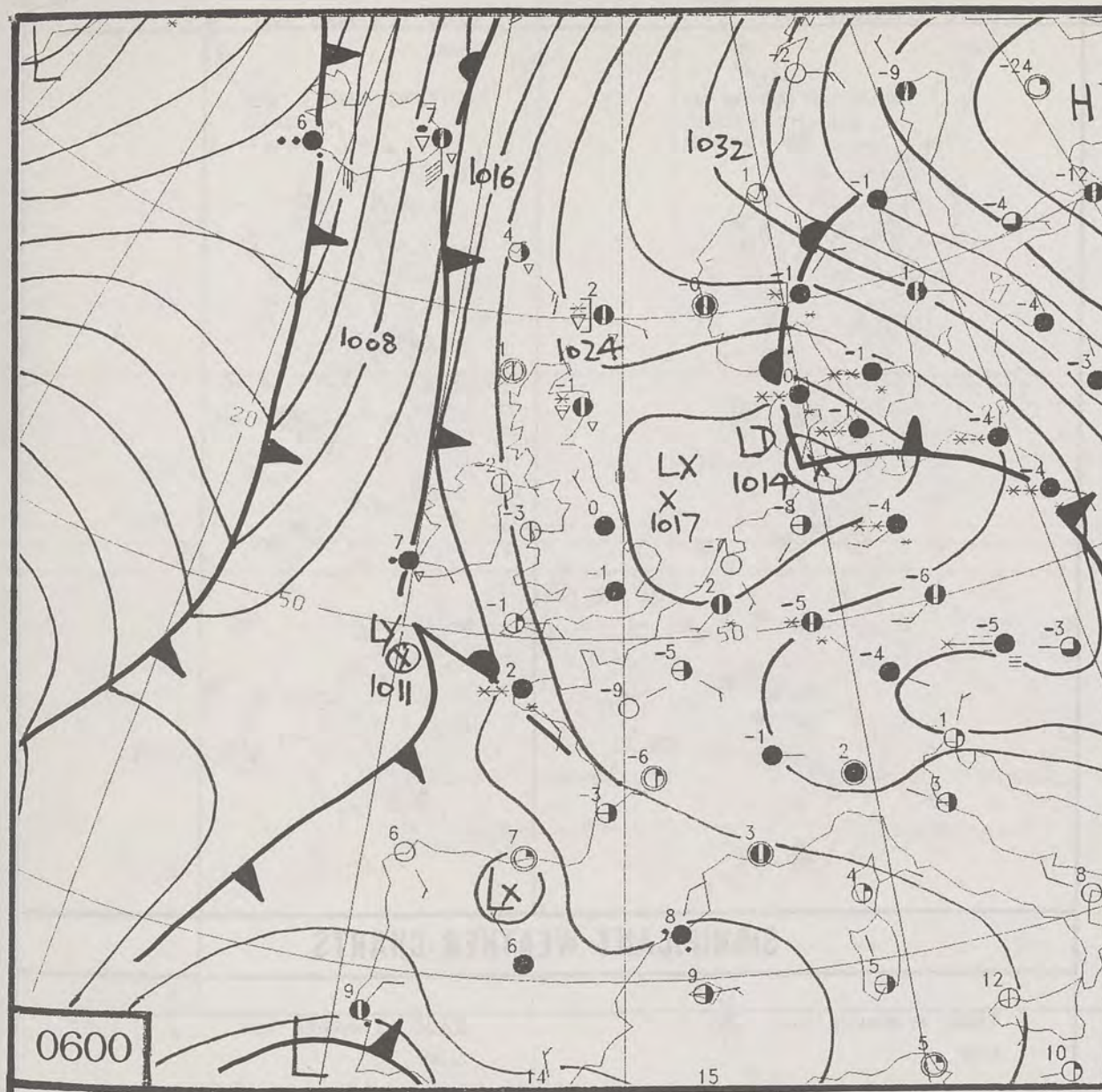
1555

CHART 13

582

588

POLAR STEREOGRAPHIC PROJECTION AT 60N SCALE 1:20M RUN TIME 15.5V.18



1200 GMT 23 NOV 1993

DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Tuesday 23rd November 1993

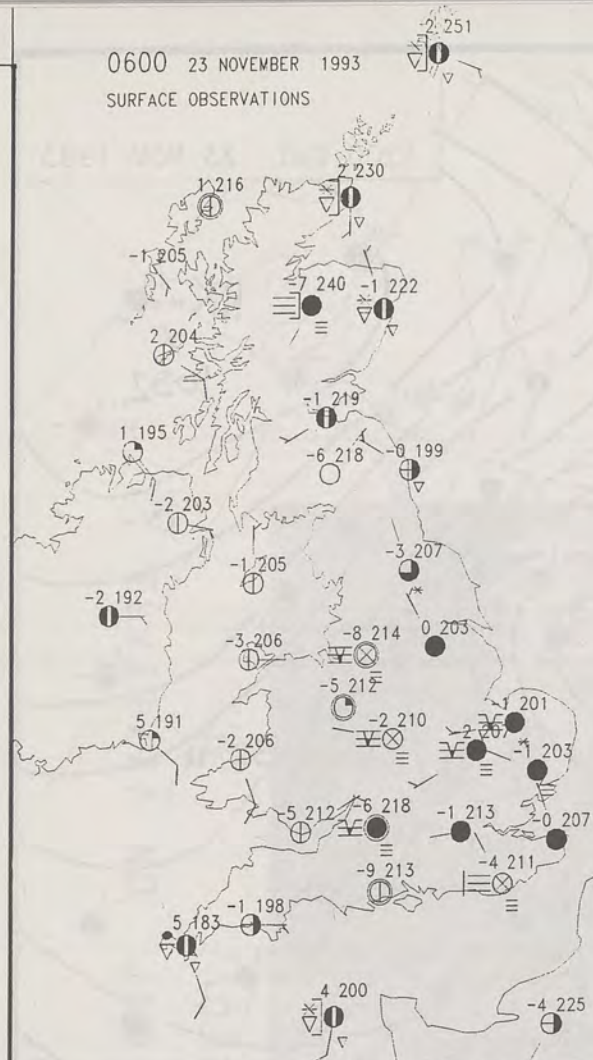
London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB



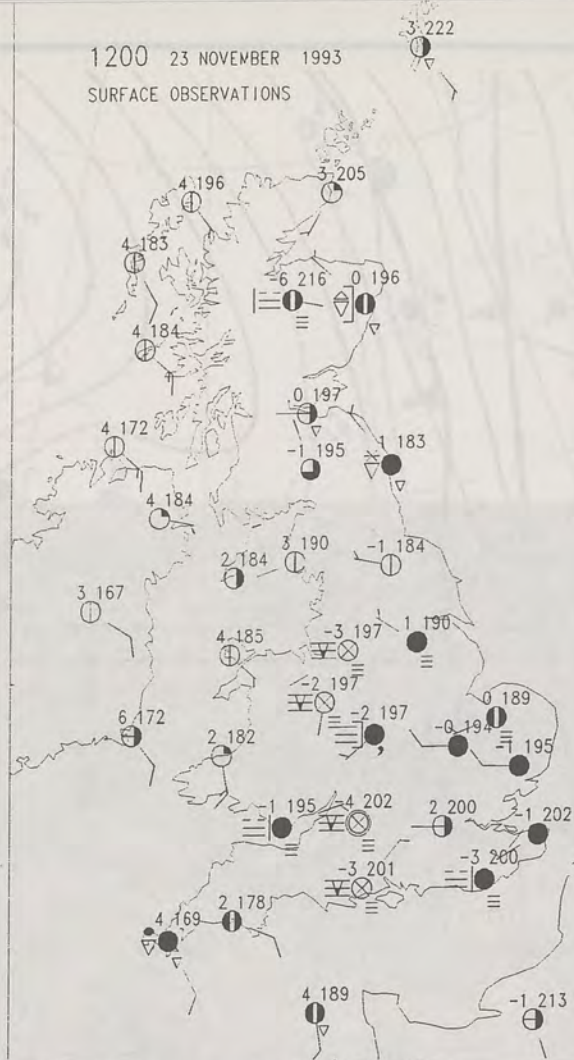
Warm front Cold front Occlusion

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0600 23 NOVEMBER 1993
SURFACE OBSERVATIONS

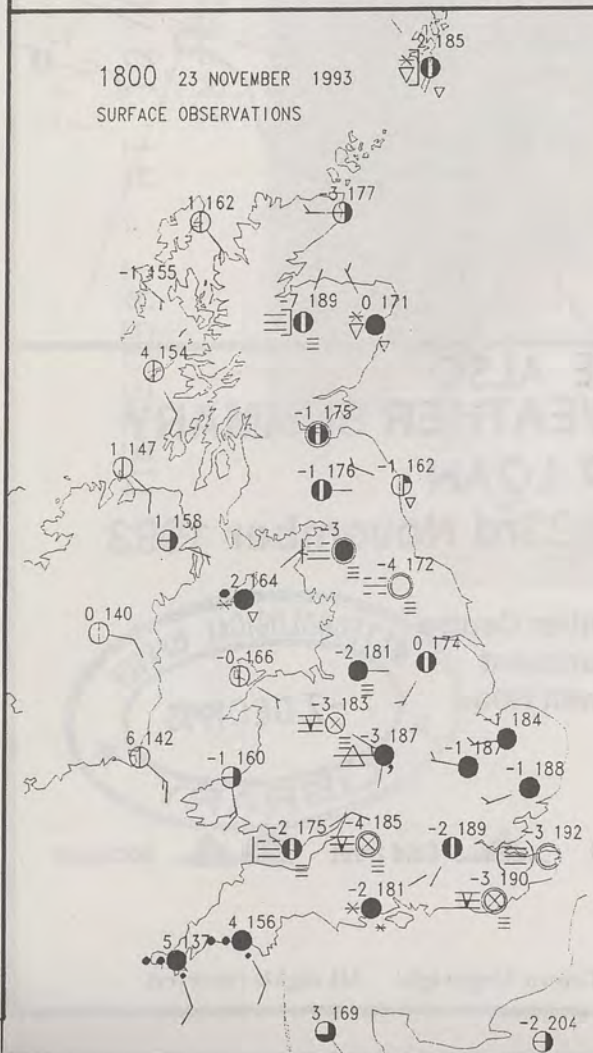


1200 23 NOVEMBER 1993
SURFACE OBSERVATIONS

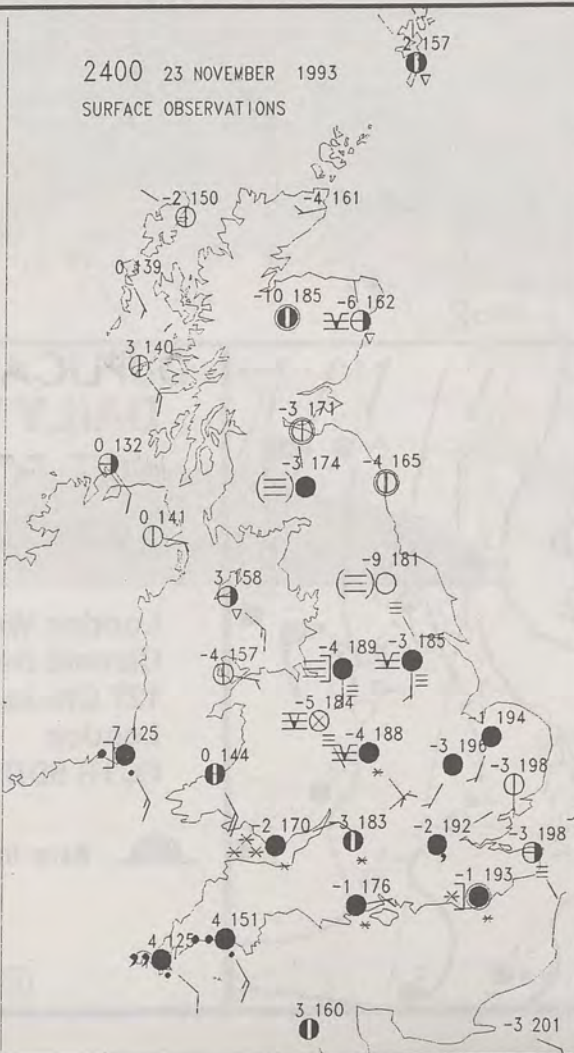


PLOTTED SURFACE OBSERVATIONS

1800 23 NOVEMBER 1993
SURFACE OBSERVATIONS



2400 23 NOVEMBER 1993
SURFACE OBSERVATIONS



SUMMARY OF UK WEATHER TUESDAY 23rd November 1993

Overnight there were snow and hail showers in northern and eastern Scotland and northeast England. Inchmarlo in Grampian reported 19cms of lying snow at 0900z. Norfolk also had snow for a time. Fog, freezing in places, formed in East Anglia, central southern and southeastern parts of England, parts of the Midlands and northwest England.

In central southern England, parts of the Midlands and northwest England the fog lasted all day. The fog slowly thinned elsewhere. Wales and parts of northern and western England had some sunshine. There were a few snow showers in northeast England, eastern Scotland and the Northern Isles.

Rain reached Cornwall by late morning and made slow progress east into Devon, Somerset and south Wales by evening, with sleet and snow in places. There was also some patchy freezing rain or snow flurries in other parts of southern England during the evening.

Northern Ireland and western Scotland had a sunny day.

It was cold in many western parts but very cold over much of the country with temperatures below freezing all day.

London Weather Centre

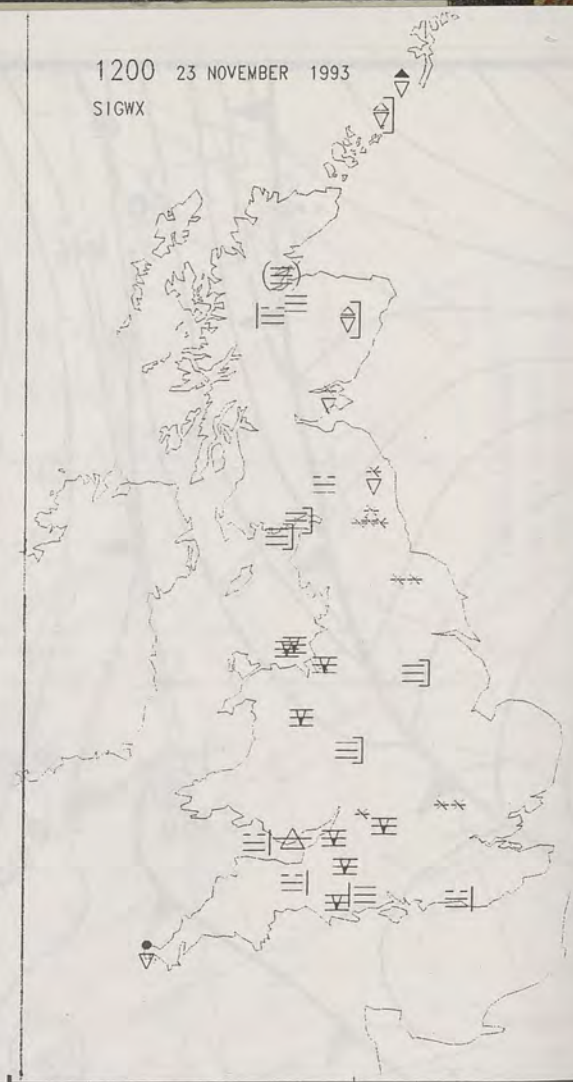
All times are GMT

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0600 23 NOVEMBER 1993
SIGWX

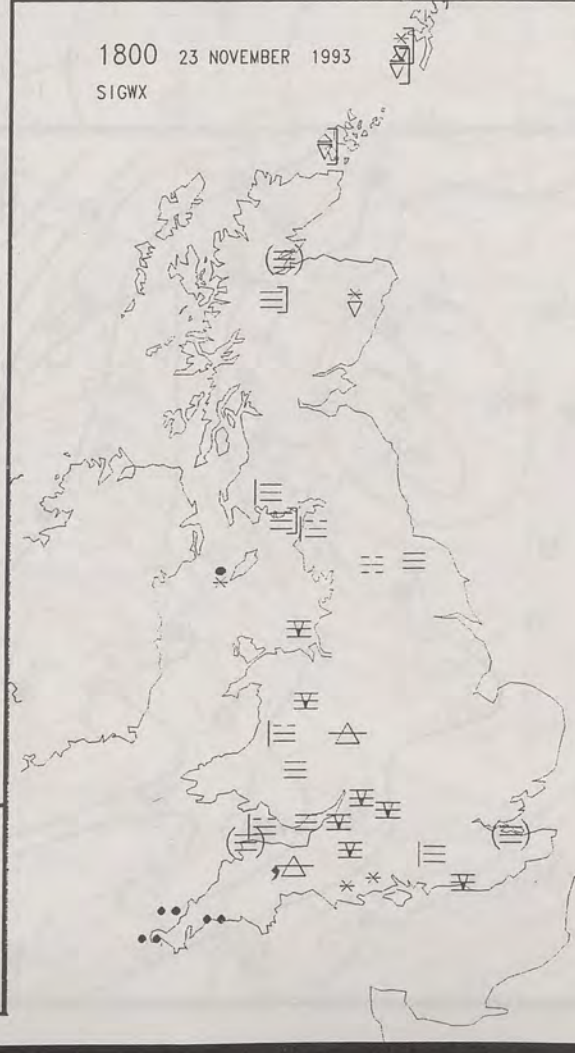


1200 23 NOVEMBER 1993
SIGWX

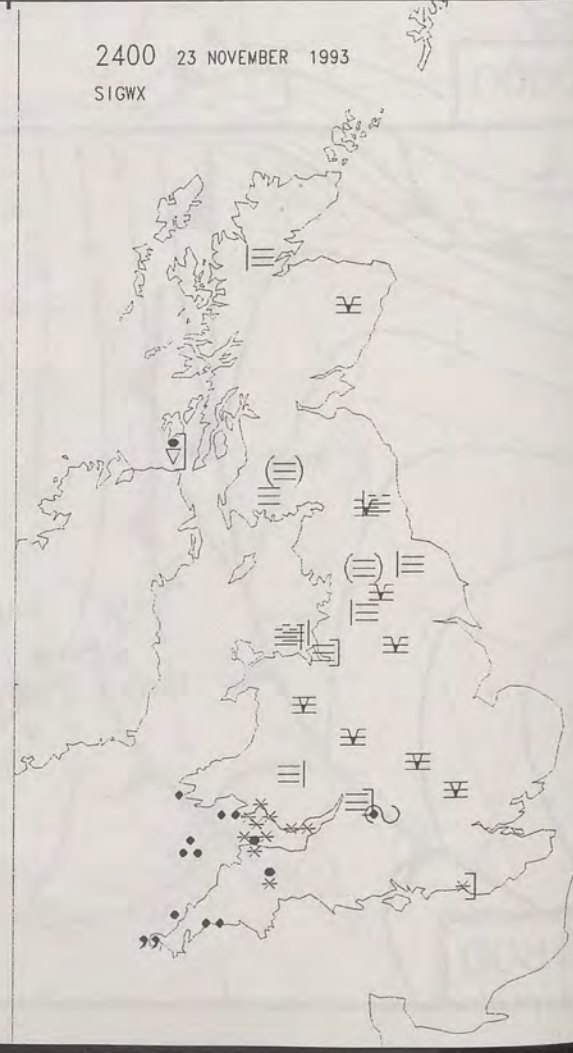


SIGNIFICANT WEATHER CHARTS

1800 23 NOVEMBER 1993
SIGWX



2400 23 NOVEMBER 1993
SIGWX



NIGHT MINIMUM TEMPERATURE
(DEGREES C)
23 NOVEMBER 1993



DAY MAXIMUM TEMPERATURE
(DEGREES C)
23 NOVEMBER 1993



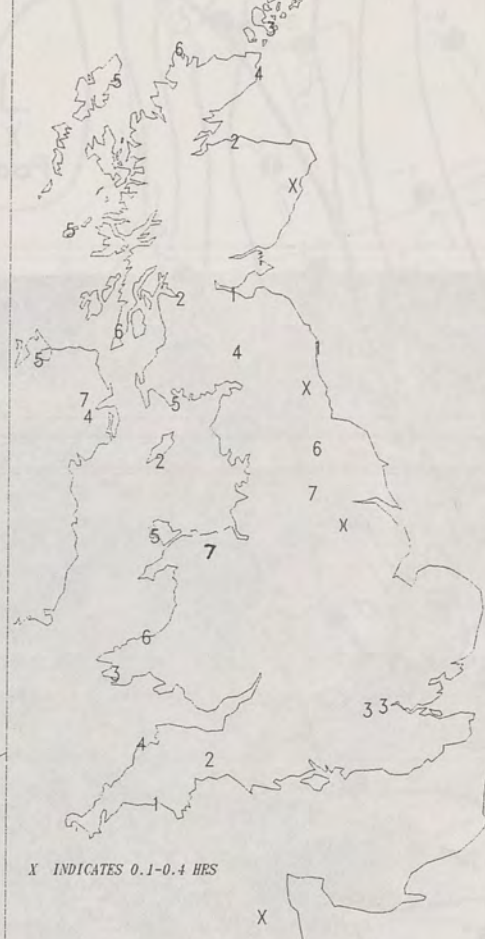
NIGHT RAINFALL
(MILLIMETRES)
23 NOVEMBER 1993



DAY RAINFALL
(MILLIMETRES)
23 NOVEMBER 1993



SUNSHINE (DAWN TO DUSK)
(HOURS)
23 NOVEMBER 1993



0600 23 NOVEMBER 1993
DEPTH OF SNOW (CM)



EXTREMES FOR TUESDAY 23RD NOVEMBER 1993

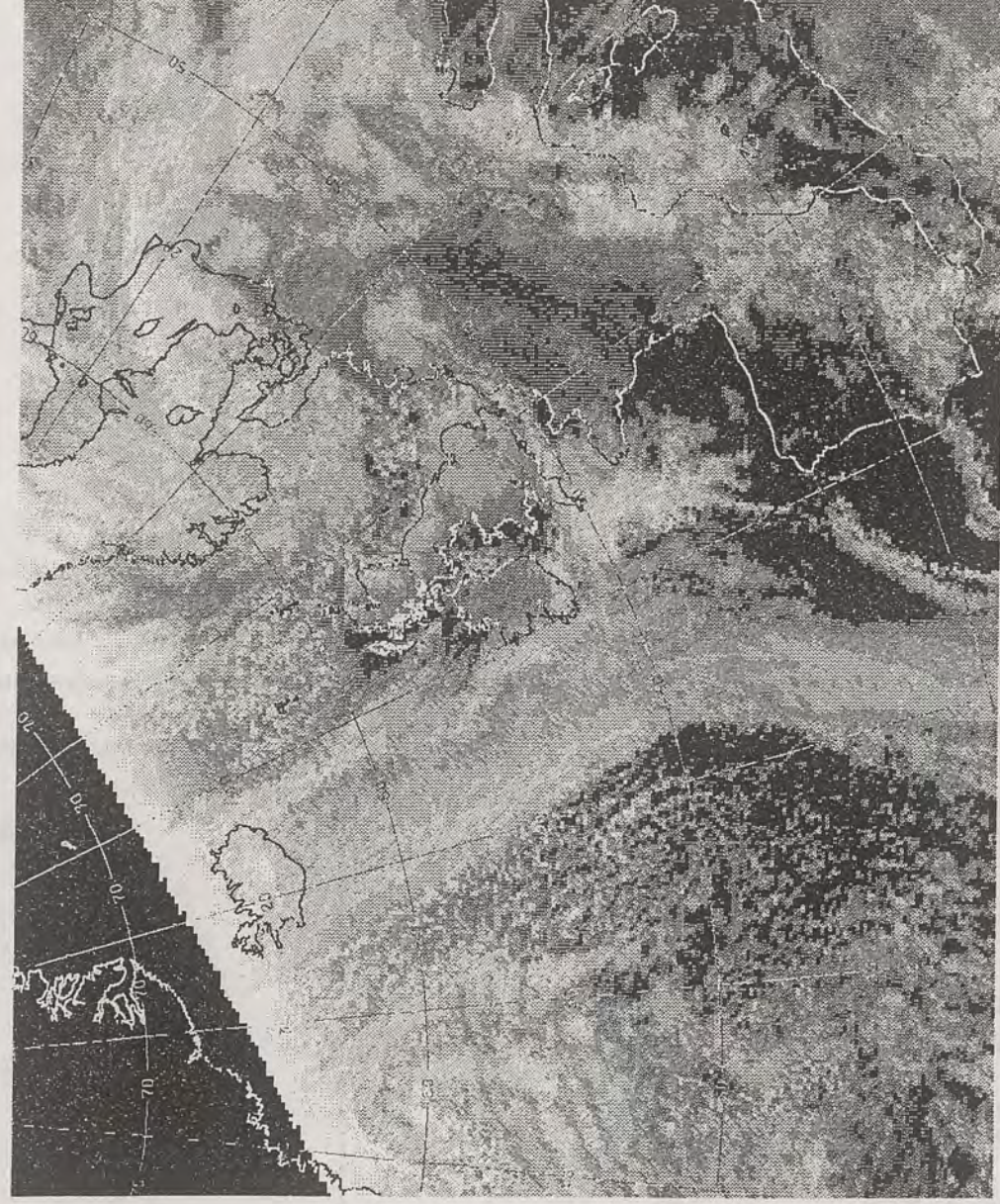
**London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB**

Tel 071 405 4358 Fax 071 404 4314

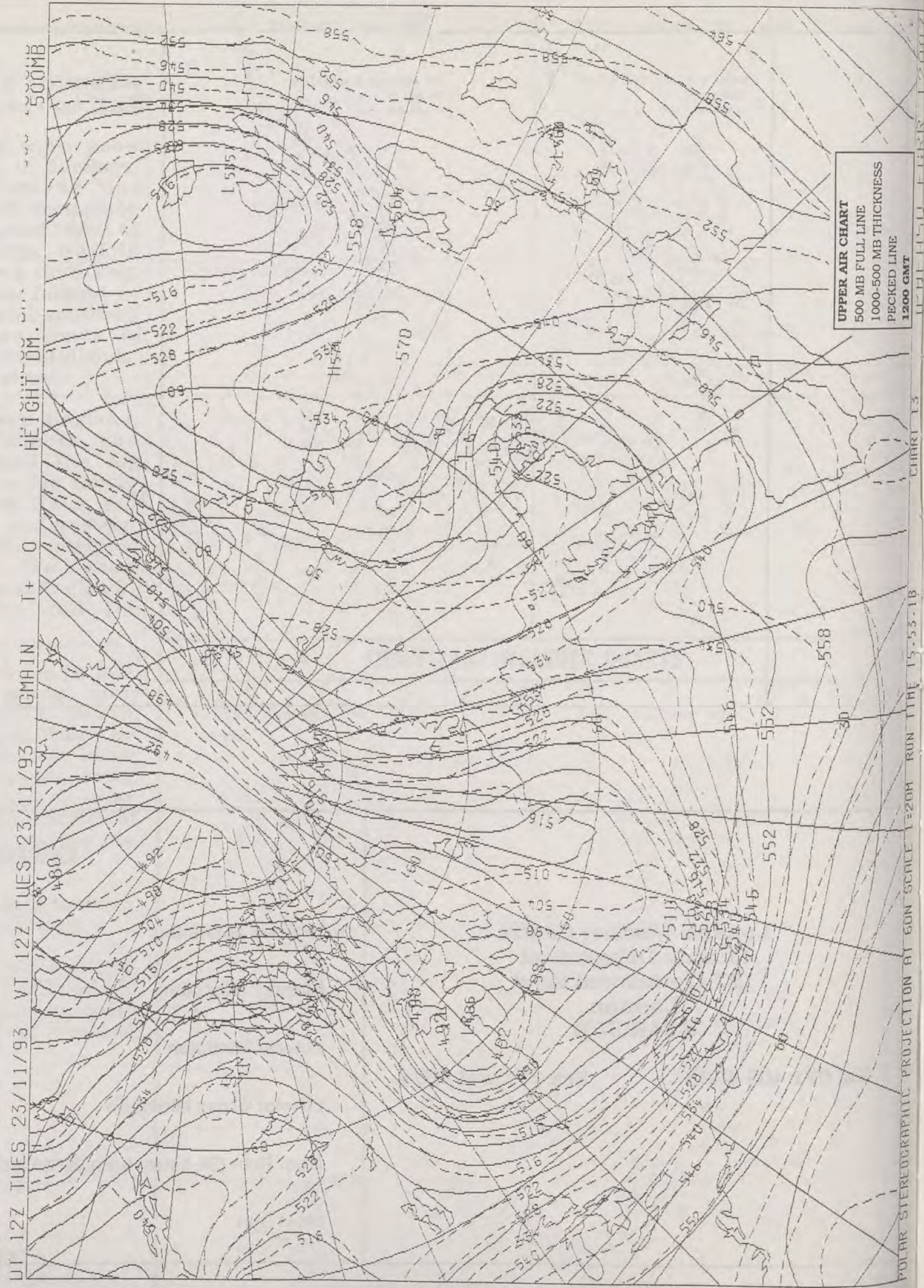
Highest Maximum	: 8.2 C Isles of Scilly
Lowest Maximum	: -5.3 C Aviemore [Highland]
Lowest Minimum	: -10.4 C Strathallen [Tayside]
Lowest Grass Minimum	: -14.6 C Aviemore
Most Rain (24 hours from 0900 GMT)	: 21.6 mm Isles of Scilly
Most Sun	: 7.5 Hrs Moel - y - Crio [Clwyd]

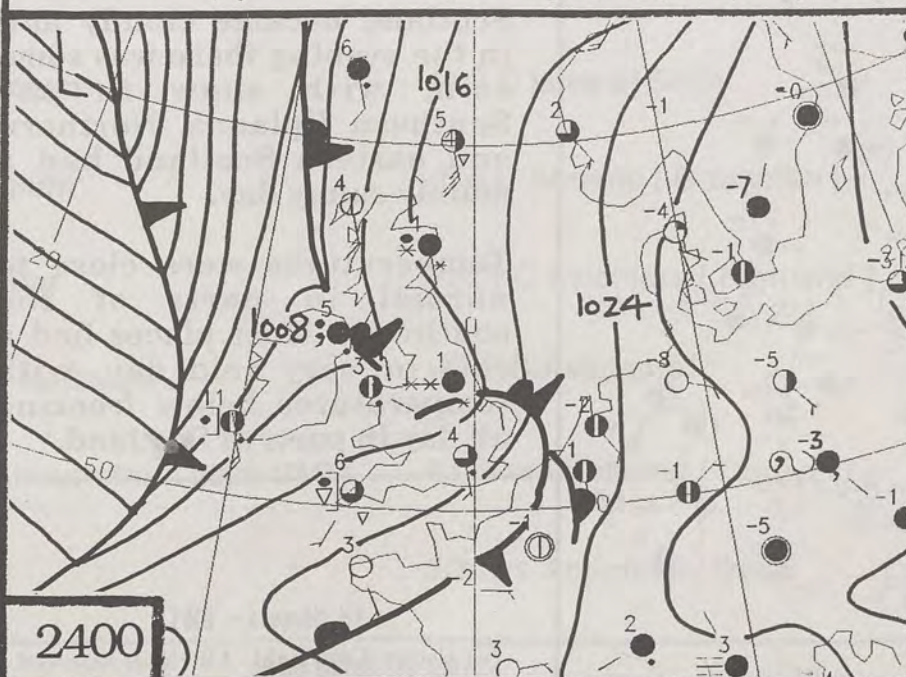
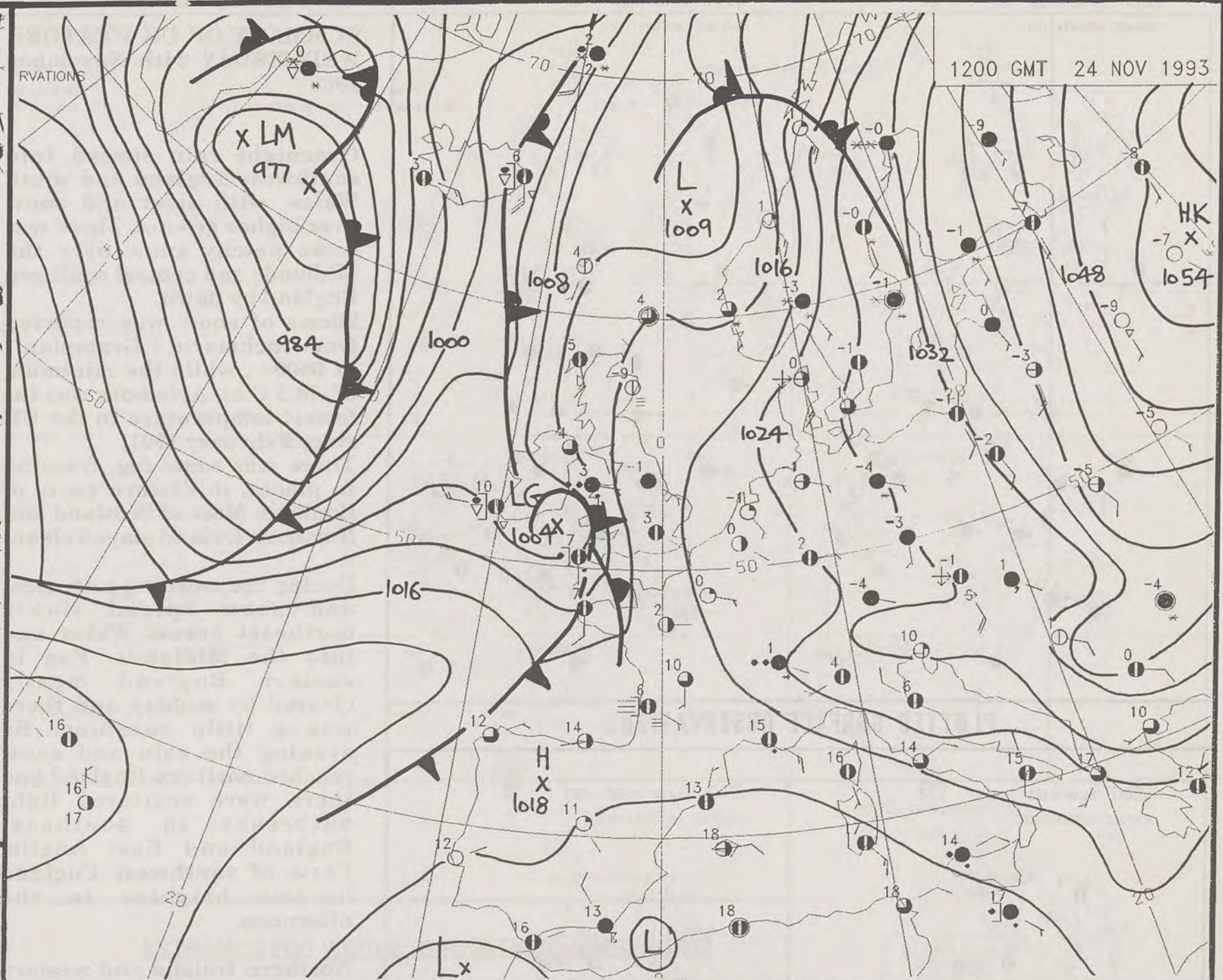
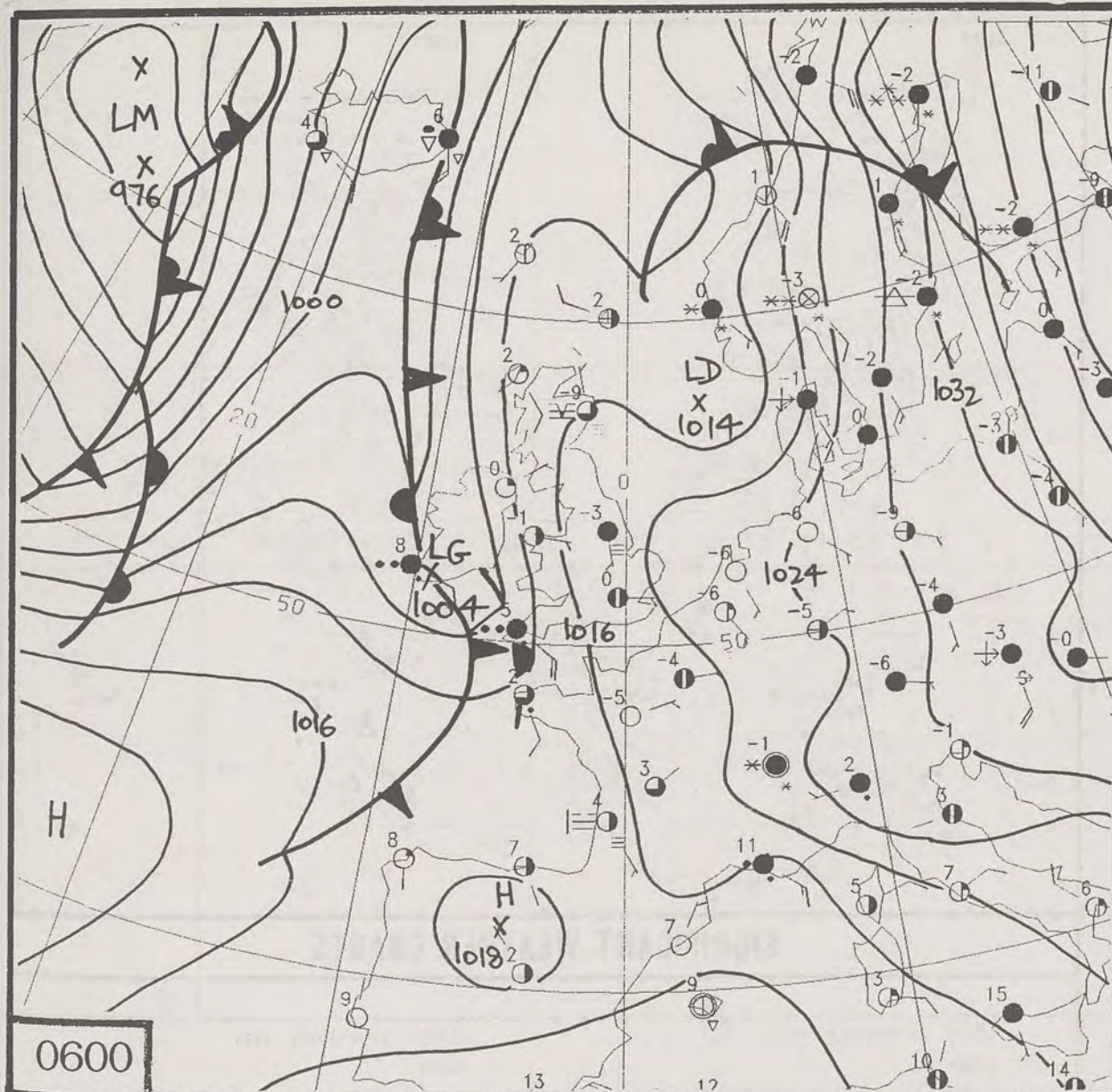
All times are GMT

METE05AT AT 12:00 GMT ON 23/11/93
VISIBLE



CLOUD THICKNESS
THICK THIN





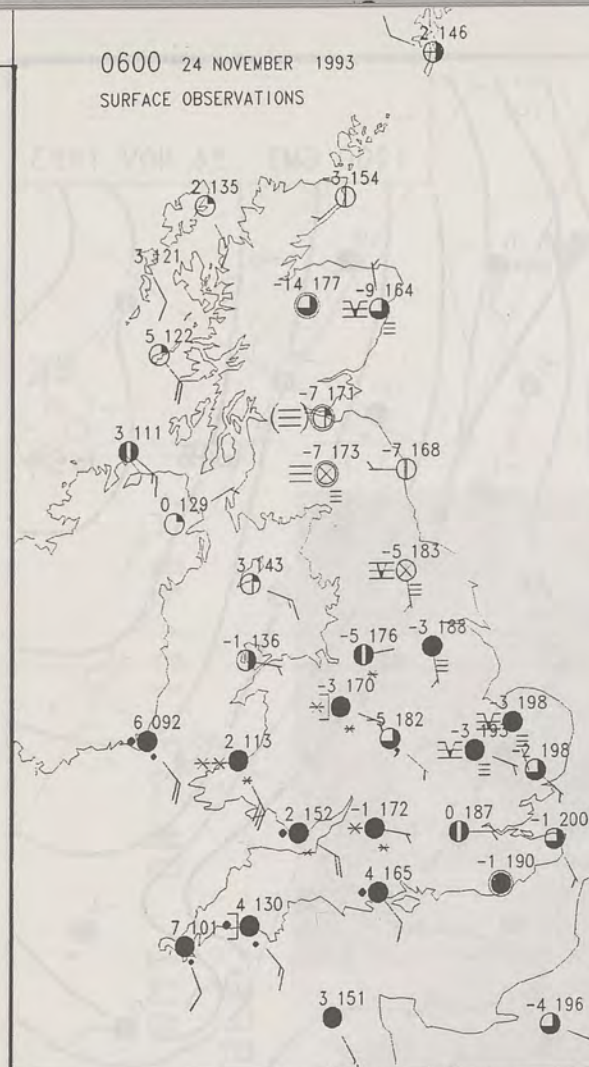
DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Wednesday 24th November 1993

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB

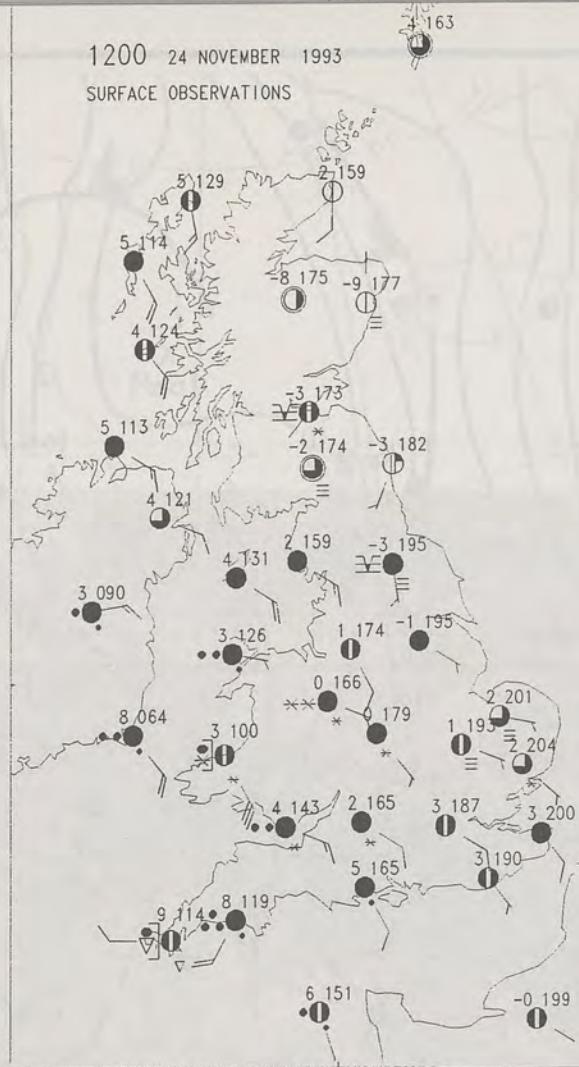


Warm front Cold front Occlusion

0600 24 NOVEMBER 1993
SURFACE OBSERVATIONS

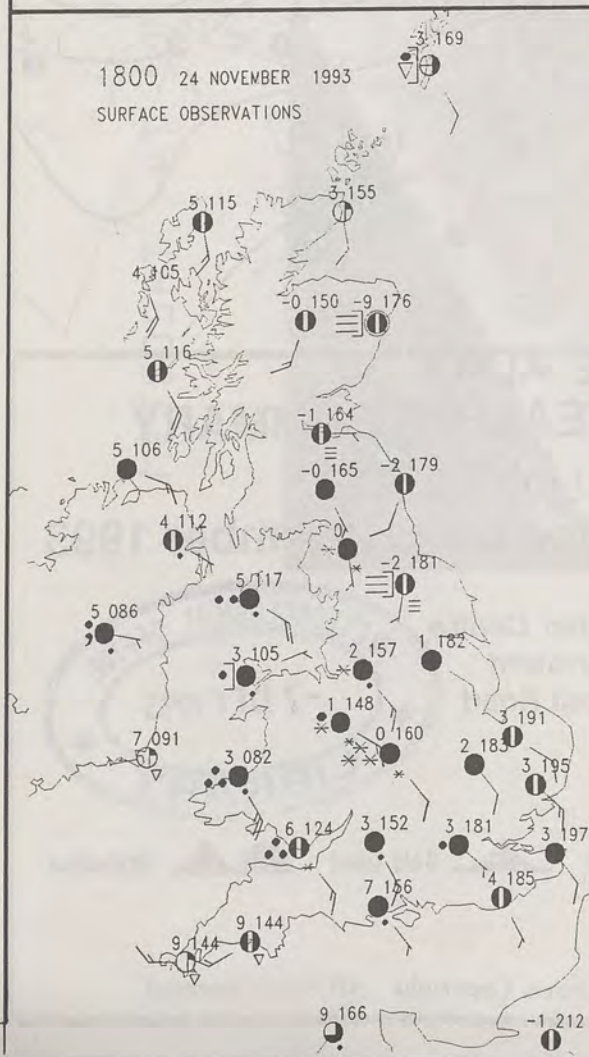


1200 24 NOVEMBER 1993
SURFACE OBSERVATIONS

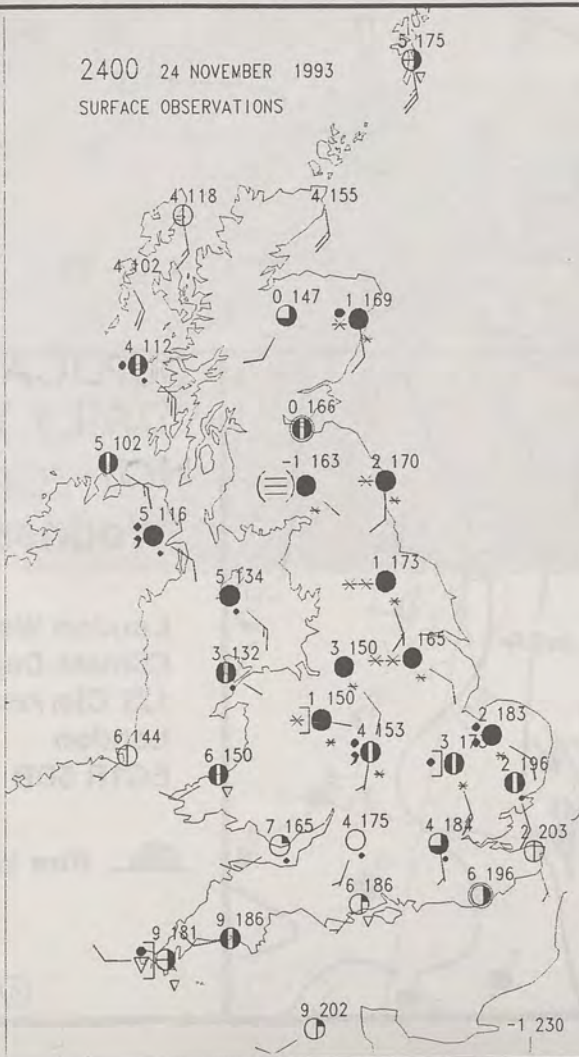


PLOTTED SURFACE OBSERVATIONS

1800 24 NOVEMBER 1993
SURFACE OBSERVATIONS



2400 24 NOVEMBER 1993
SURFACE OBSERVATIONS



SUMMARY OF UK WEATHER WEDNESDAY 24th November 1993

Overnight rain spread into southwest England and south Wales with sleet and snow over higher ground. There was some patchy snow over the Midlands and central southern England by dawn.

20cms of snow was reported from Inchmarlo [Grampian] at 0900z , while the minimum of -14.5 C at Aviemore was the lowest temperature in the UK since February 1991.

There was some fog, freezing in places, in eastern parts of England. Most of Scotland and Northern Ireland stayed clear.

During the morning rain, sleet and snow spread slowly northeast across Wales and into the Midlands. Fog in eastern England mostly cleared by midday and there was a little sunshine. By evening the rain and snow reached northern England and there were scattered light outbreaks in southeast England and East Anglia. Parts of southwest England became brighter in the afternoon.

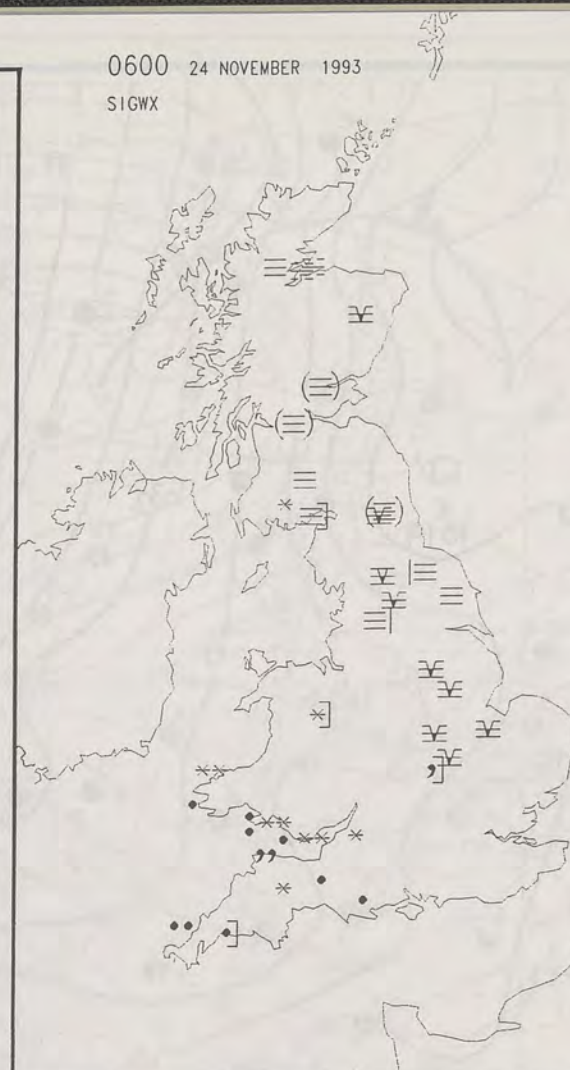
Northern Ireland and western Scotland became cloudy and in the evening there was some rain, with snow in the Southern Uplands. Northern and eastern Scotland had a mainly sunny day.

Temperatures were close to normal in parts of the southwest. Most places had a cold or very cold day, with temperatures below freezing all day in parts of Scotland.

All times are GMT

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0600 24 NOVEMBER 1993
SIGWX



1200 24 NOVEMBER 1993
SIGWX



SIGNIFICANT WEATHER CHARTS

1800 24 NOVEMBER 1993
SIGWX



2400 24 NOVEMBER 1993
SIGWX



NIGHT MINIMUM TEMPERATURE
(DEGREES C)
24 NOVEMBER 1993



DAY MAXIMUM TEMPERATURE
(DEGREES C)
24 NOVEMBER 1993



NIGHT RAINFALL
(MILLIMETRES)
24 NOVEMBER 1993



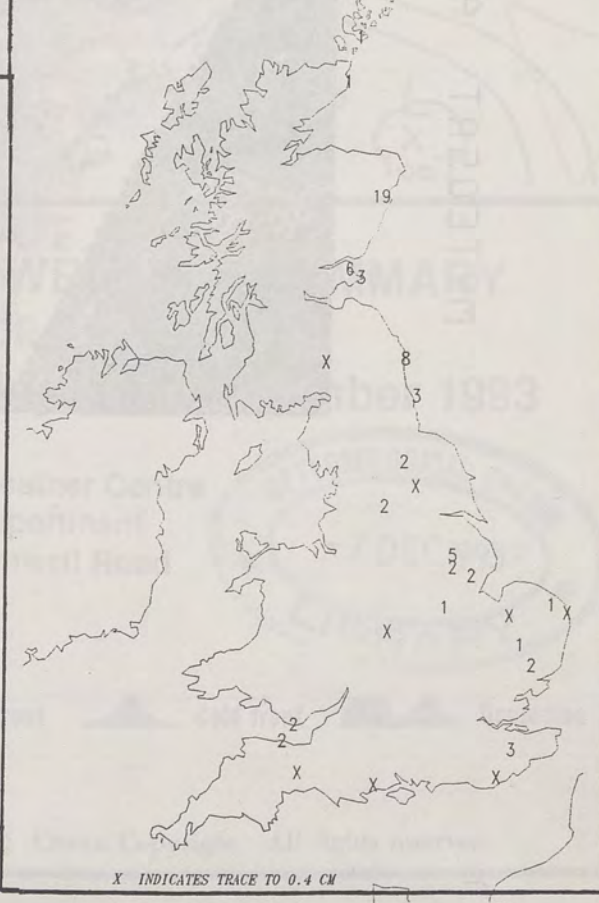
DAY RAINFALL
(MILLIMETRES)
24 NOVEMBER 1993



SUNSHINE (DAWN TO DUSK)
(HOURS)
24 NOVEMBER 1993



0600 24 NOVEMBER 1993
DEPTH OF SNOW
(CM)



EXTREMES FOR WEDNESDAY 24TH NOVEMBER 1993

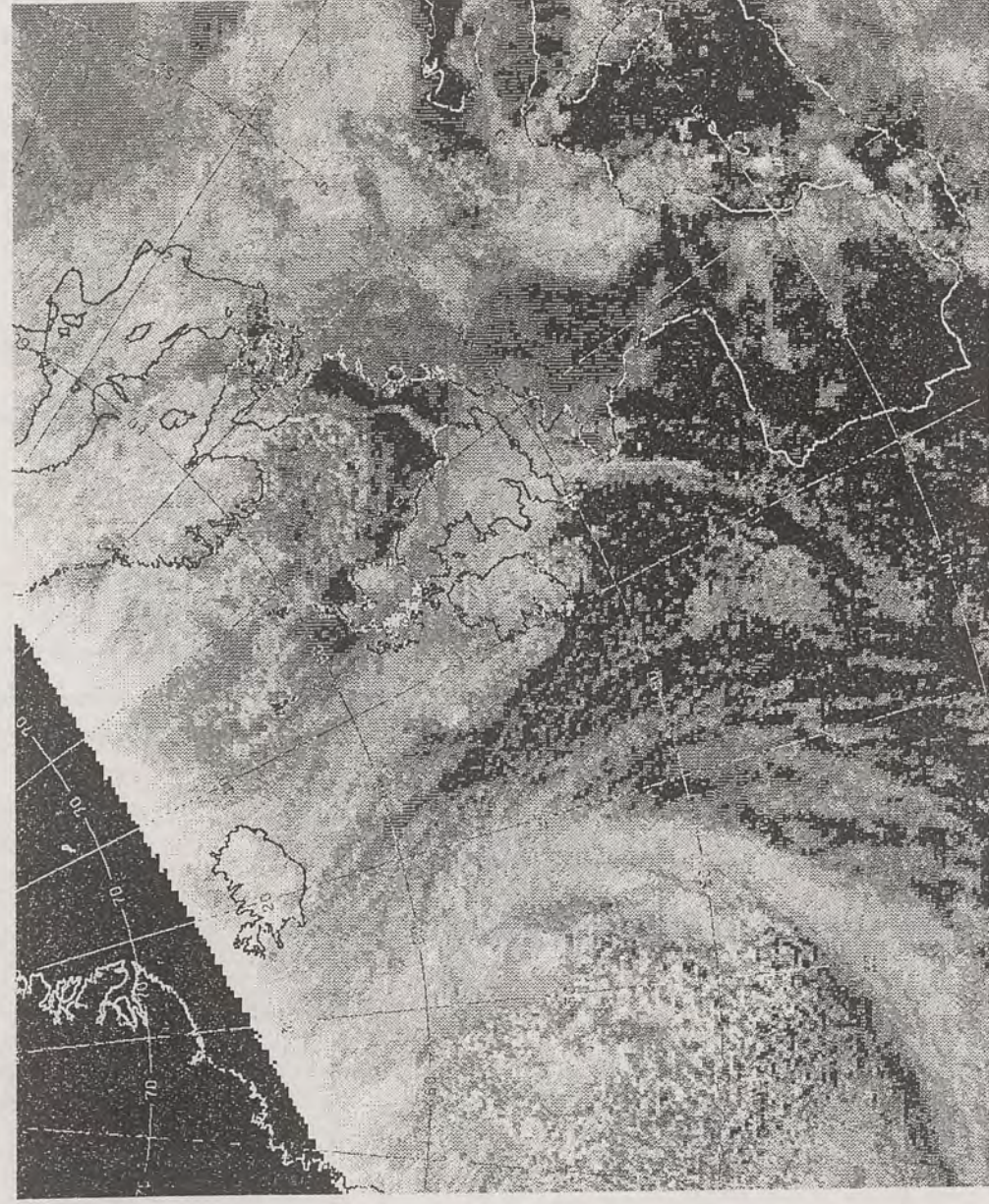
**London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB**

Tel 071 405 4358 Fax 071 404 4314

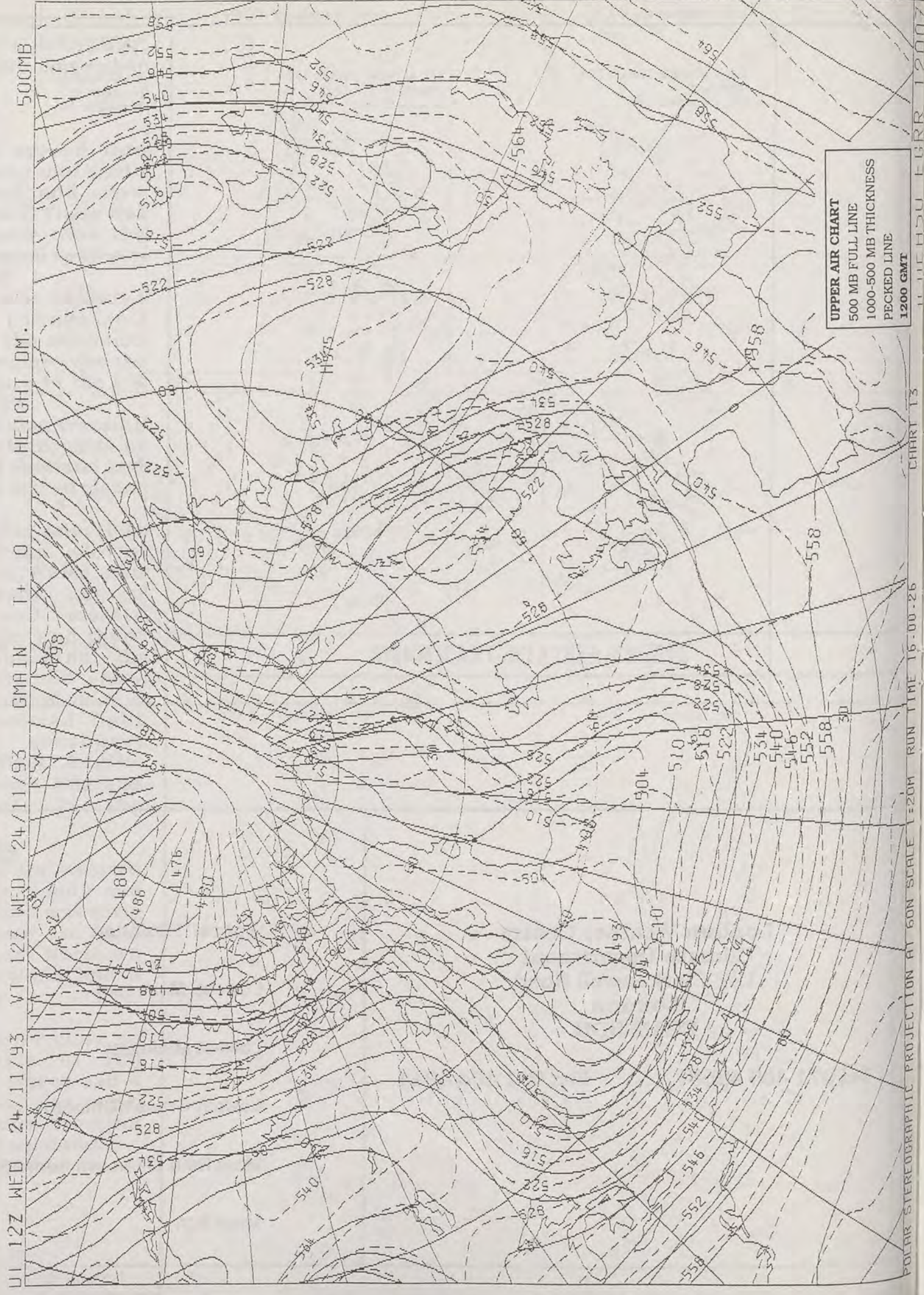
Highest Maximum : 11.0 C Isles of Scilly
Lowest Maximum : -5.4 C Aboyne [Grampian]
Lowest Minimum : -14.5 C Aviemore [Highland]
Lowest Grass Minimum : -17.6 C Aviemore
Most Rain (24 hours from 0900 GMT) : 13.9 mm Bastreet [Cornwall]
Most Sun : 5.3 Hrs Aberdeen / Dyce

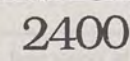
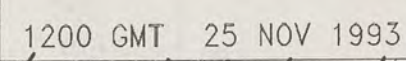
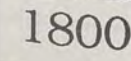
All times are GMT

METE05AT AT 12:00 GMT ON 24/11/93
VISIBLE



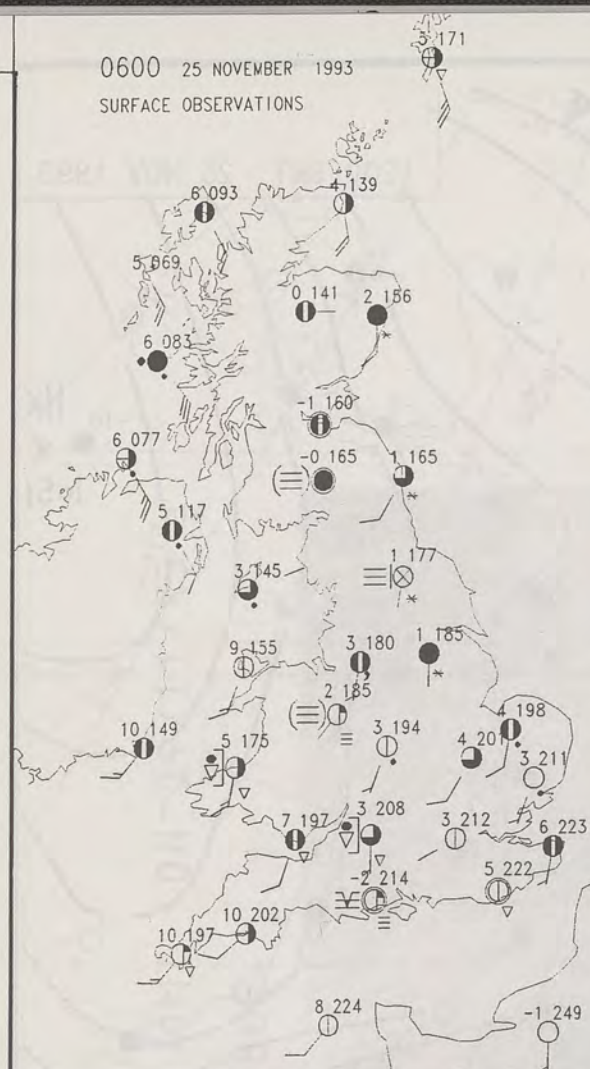
CLOUD THICKNESS
THICK THIN



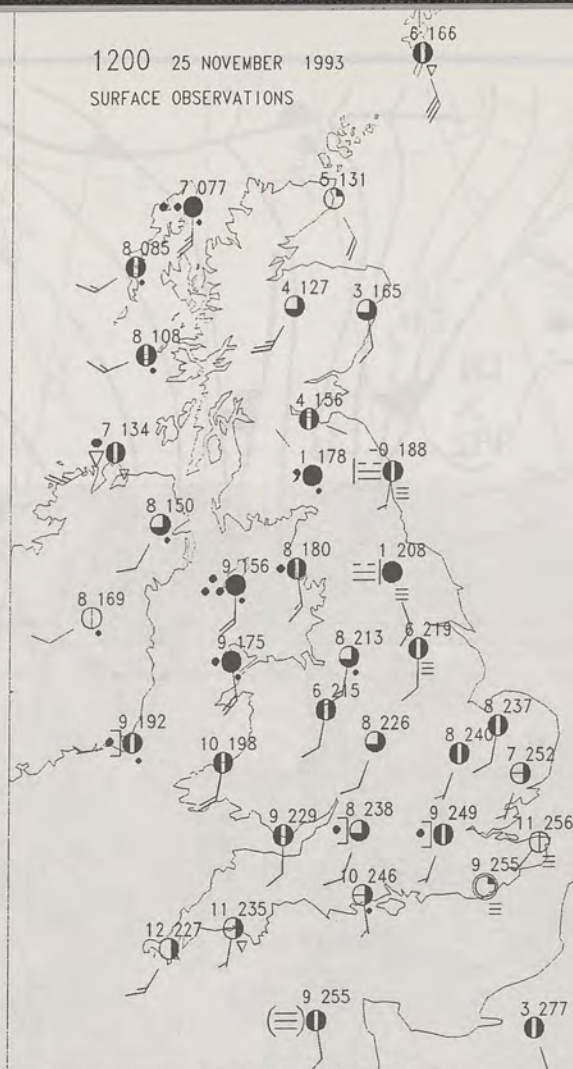


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0600 25 NOVEMBER 1993
SURFACE OBSERVATIONS



1200 25 NOVEMBER 1993
SURFACE OBSERVATIONS

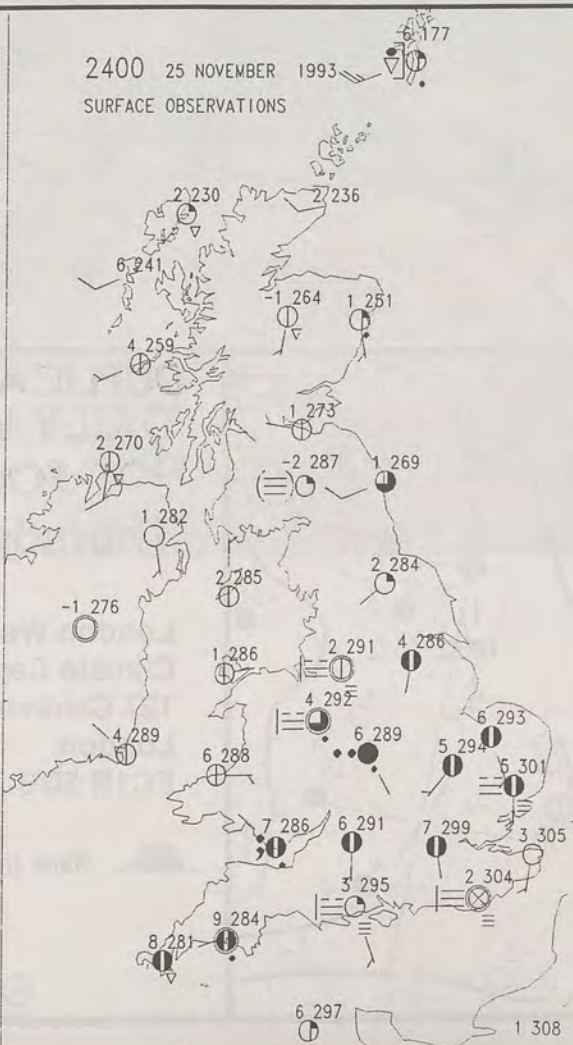


PLOTTED SURFACE OBSERVATIONS

1800 25 NOVEMBER 1993
SURFACE OBSERVATIONS



2400 25 NOVEMBER 1993
SURFACE OBSERVATIONS



SUMMARY OF UK WEATHER THURSDAY 25th November 1993

Overnight there were some showers around the Bristol Channel and along the south coast. Outbreaks of rain, sleet and snow spread north from the Midlands into northern England, southern and eastern Scotland. There was also some patchy rain in Northern Ireland and the Northern Isles. Fog formed in northern England and the southeast.

Most of southern England had a dry day with some sunshine. Over northern England some of the fog lasted into the afternoon and there was some patchy rain. The Channel Islands stayed foggy. Rain spread into Northern Ireland, western Scotland and northwest Wales during the morning with clearer weather and showers in the afternoon. Patchy rain spread to eastern Scotland, the Northern Isles, the rest of Wales and parts of southwest England in the afternoon.

Southeast England stayed mainly clear in the evening and some patchy fog reformed. There was patchy rain from northeast England across the Midlands to southwest England.

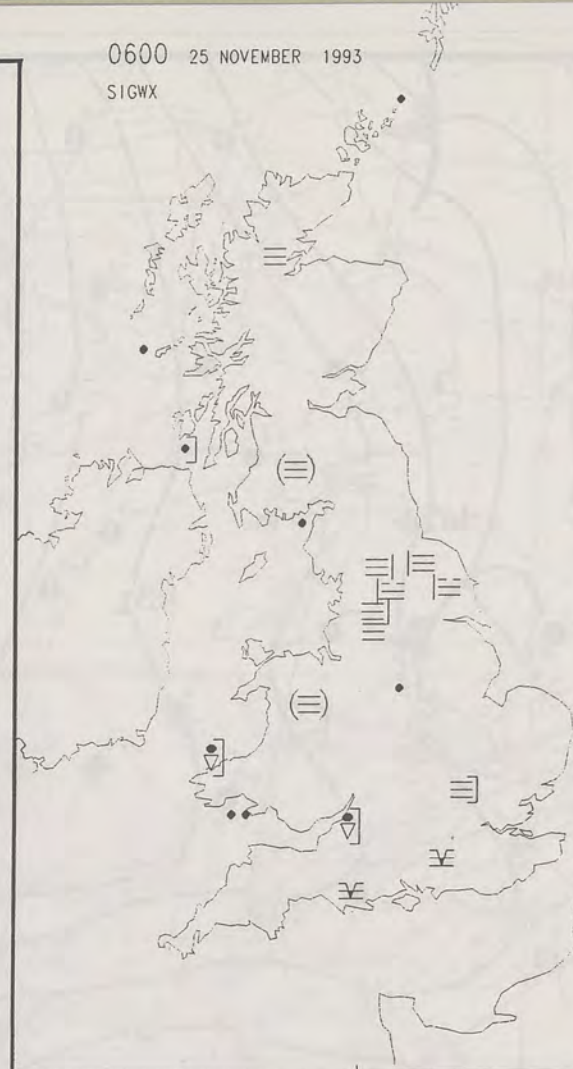
It became mild in the south but is was rather cold in eastern and central Scotland.

London Weather Centre

All times are GMT

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0600 25 NOVEMBER 1993
SIGWX

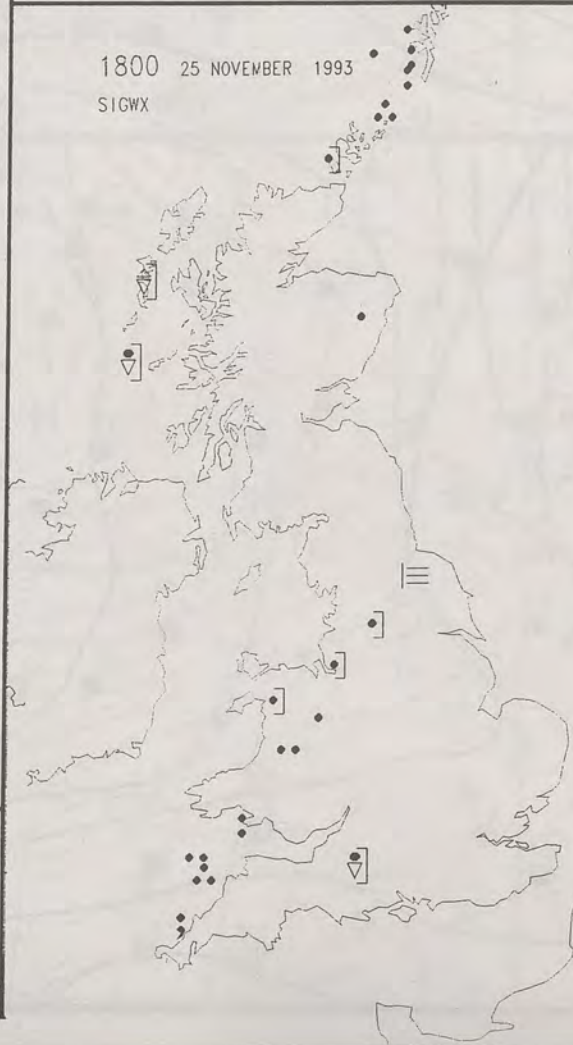


1200 25 NOVEMBER 1993
SIGWX



SIGNIFICANT WEATHER CHARTS

1800 25 NOVEMBER 1993
SIGWX



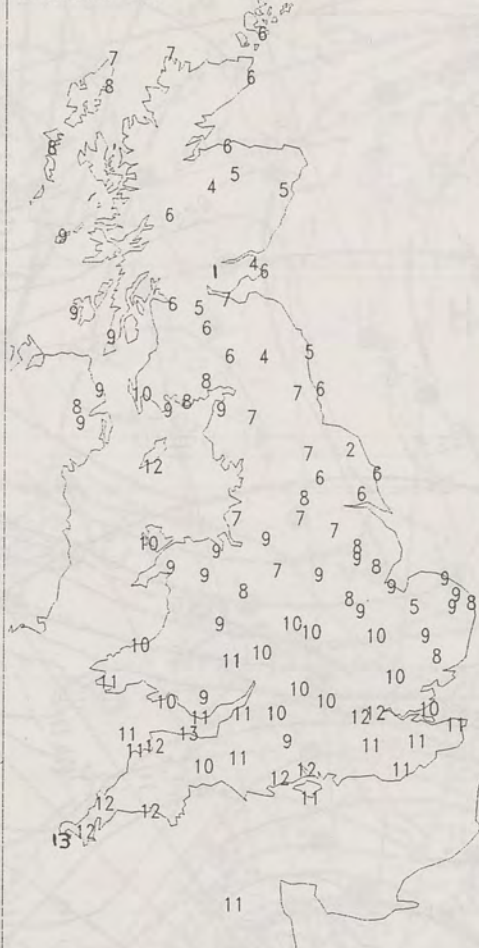
2400 25 NOVEMBER 1993
SIGWX



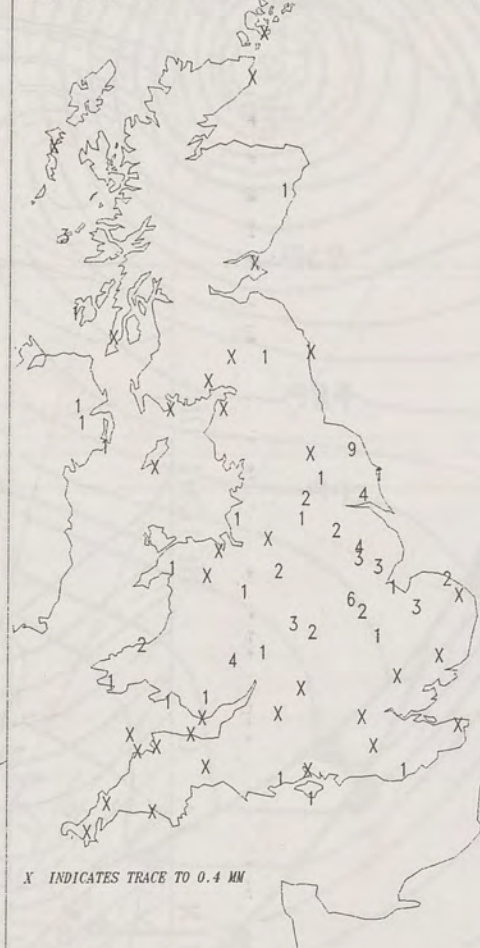
NIGHT MINIMUM TEMPERATURE
(DEGREES C)
25 NOVEMBER 1993



DAY MAXIMUM TEMPERATURE
(DEGREES C)
25 NOVEMBER 1993



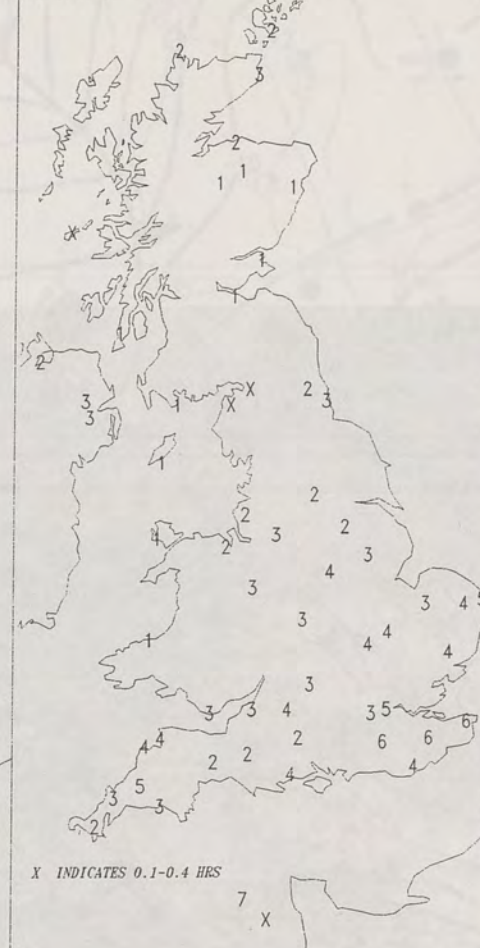
NIGHT RAINFALL
(MILLIMETRES)
25 NOVEMBER 1993



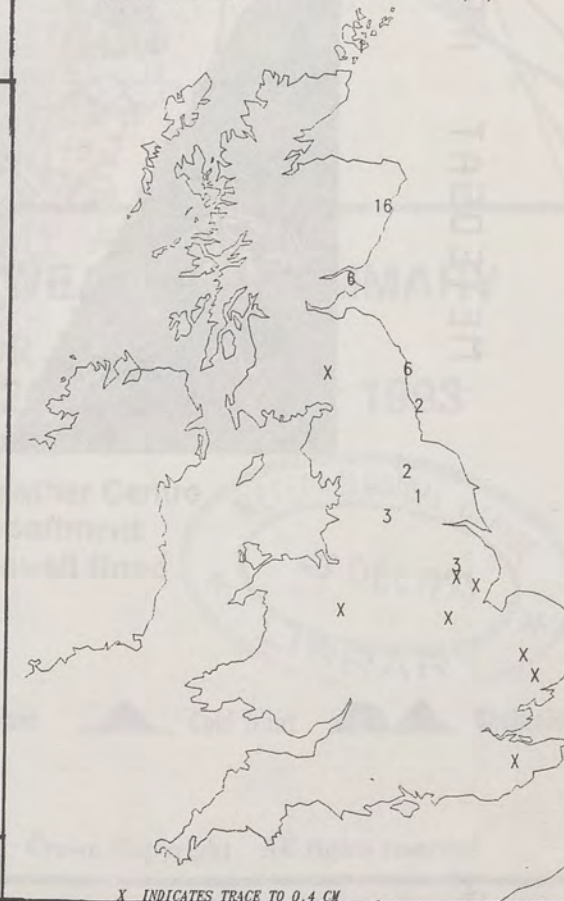
DAY RAINFALL
(MILLIMETRES)
25 NOVEMBER 1993



SUNSHINE (DAWN TO DUSK)
(HOURS)
25 NOVEMBER 1993



0600 25 NOVEMBER 1993
DEPTH OF SNOW (CM)



London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB

Tel 071 405 4358

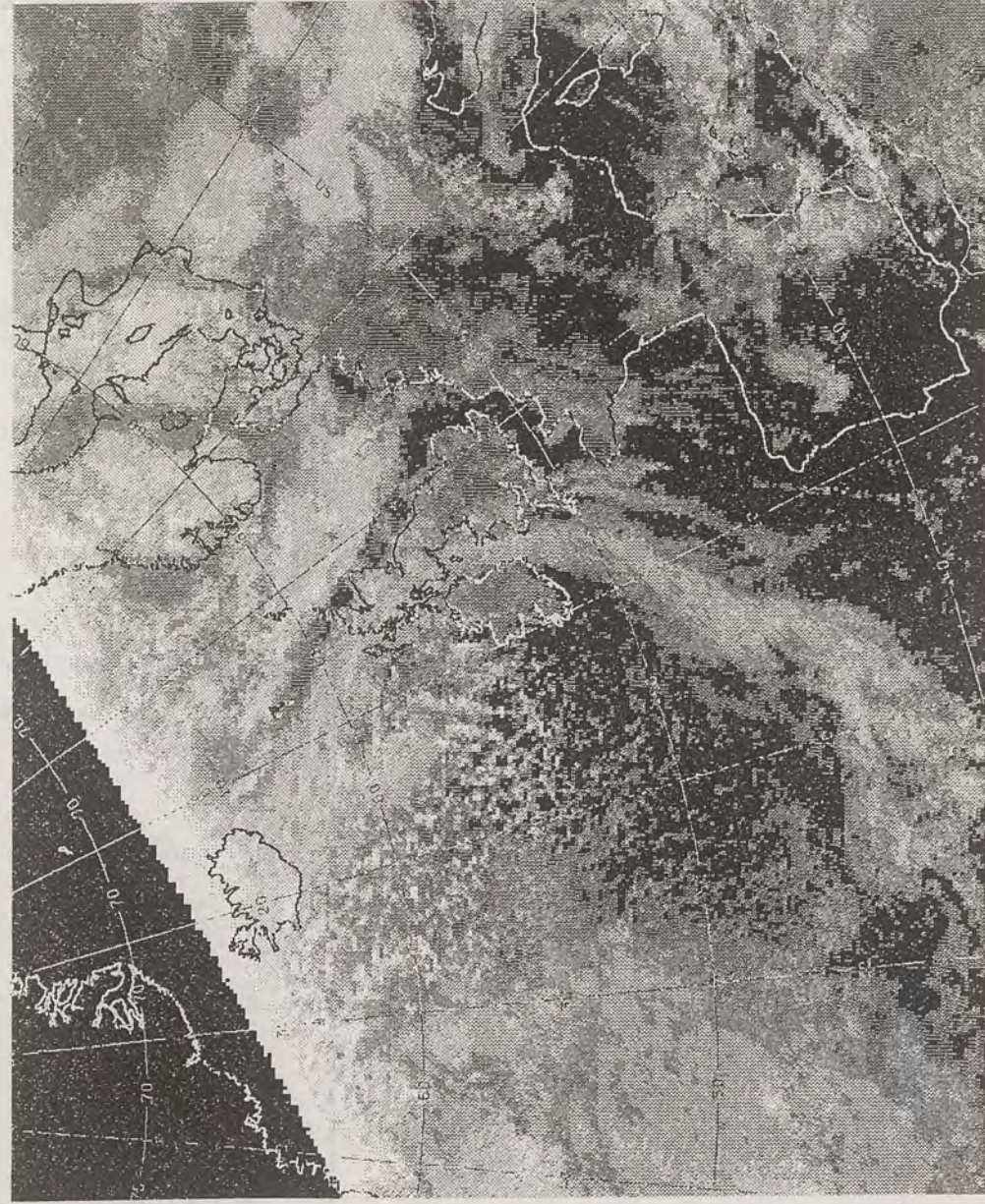
Fax 071 404 4314

EXTREMES FOR THURSDAY 25TH NOVEMBER 1993

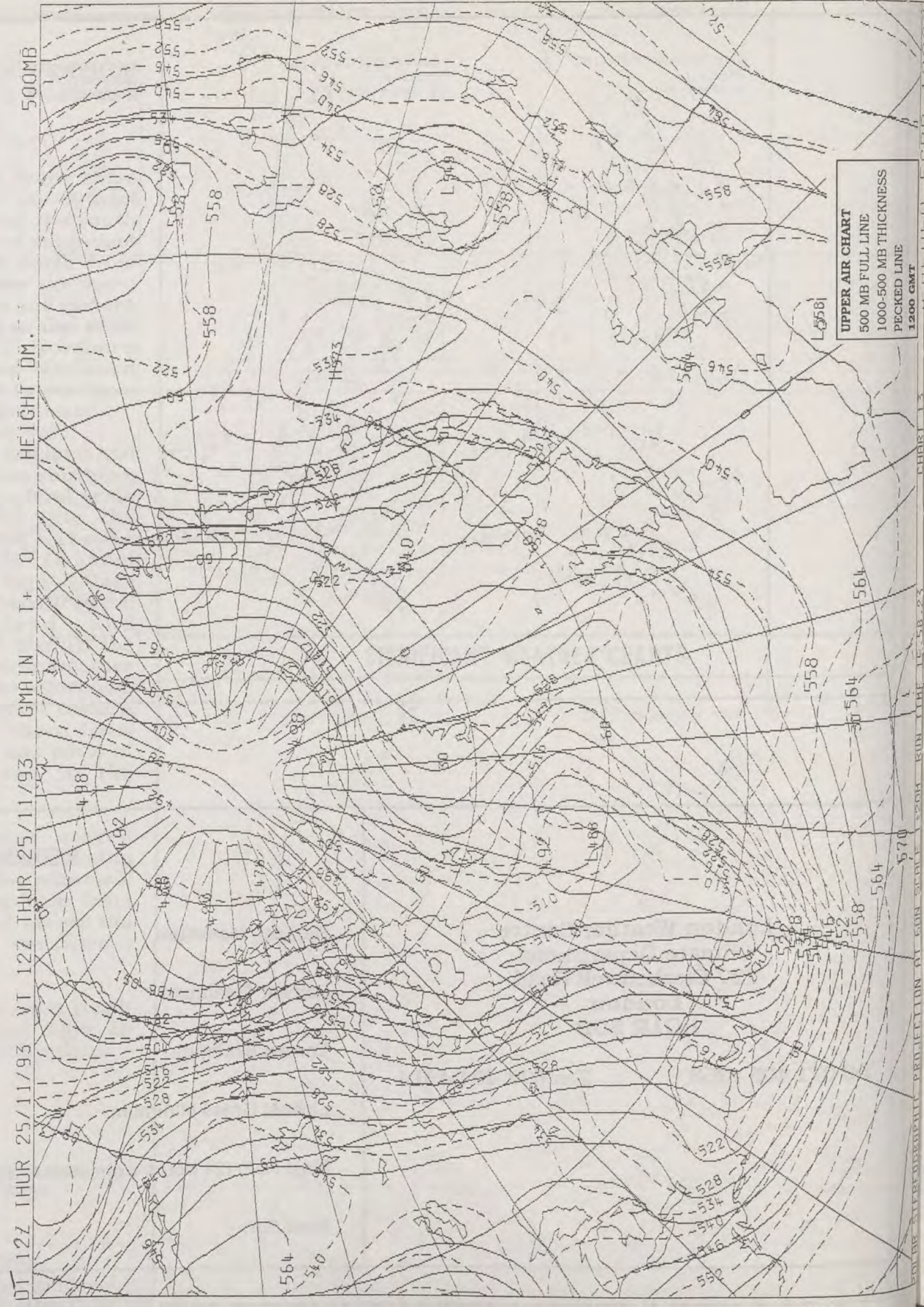
Highest Maximum	: 13.2 C Penzance [Cornwall]
Lowest Maximum	: 1.0 C Strathallen [Tayside]
Lowest Minimum	: -8.0 C Loch Glascarnoch [NW Scotland]
Lowest Grass Minimum	: -11.9 C Kinloss [Moray Firth]
Most Rain (24 hours from 0900 GMT)	: 10.0 mm West Freugh [Dumfries and Galloway]
Most Sun	: 7.0 Hrs Guernsey Airport

All times are GMT

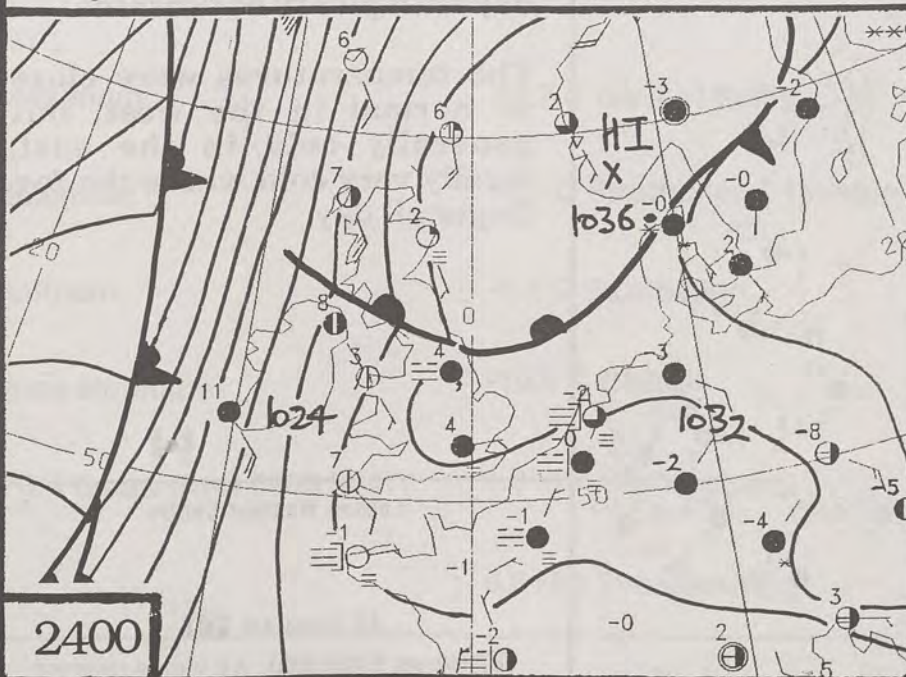
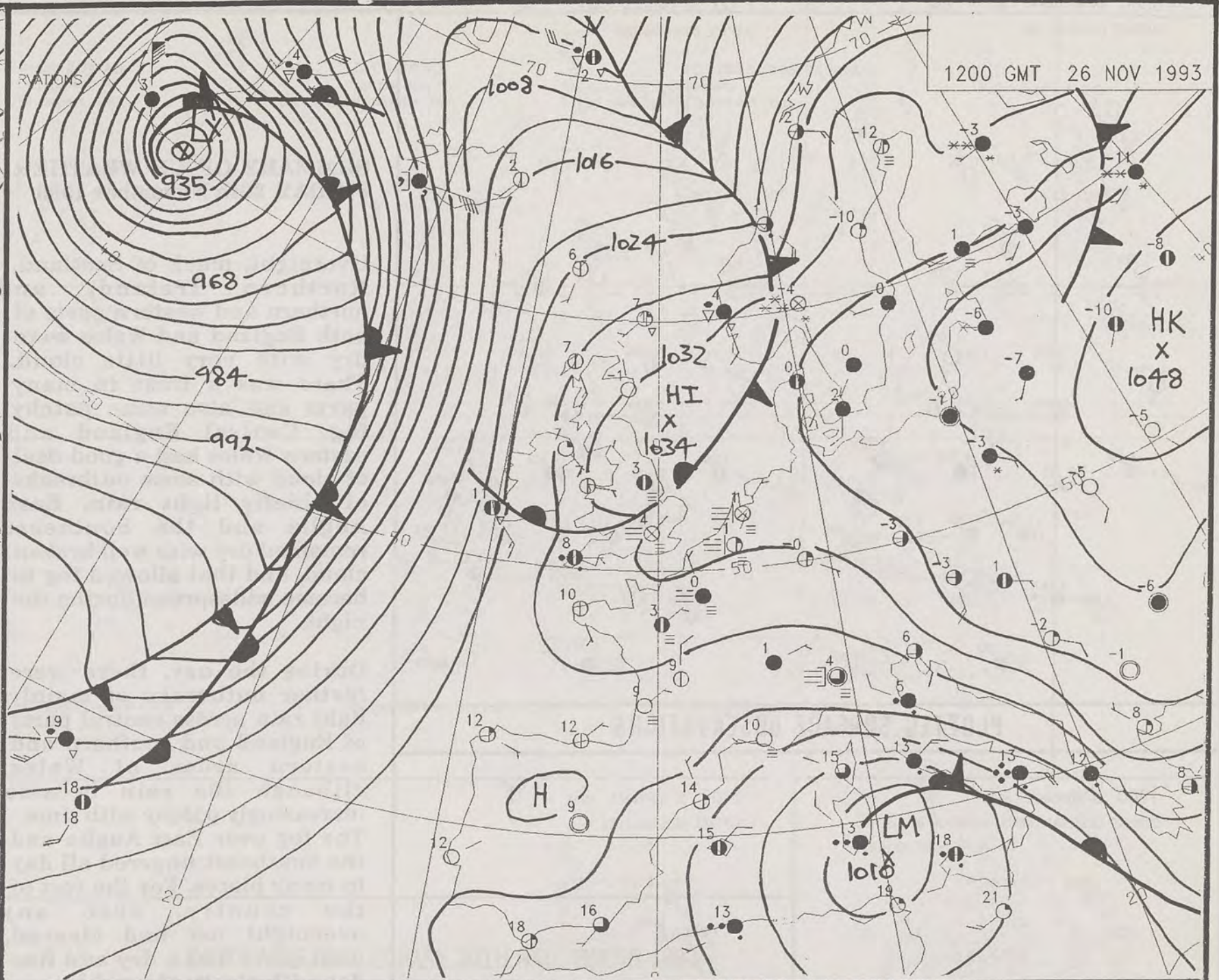
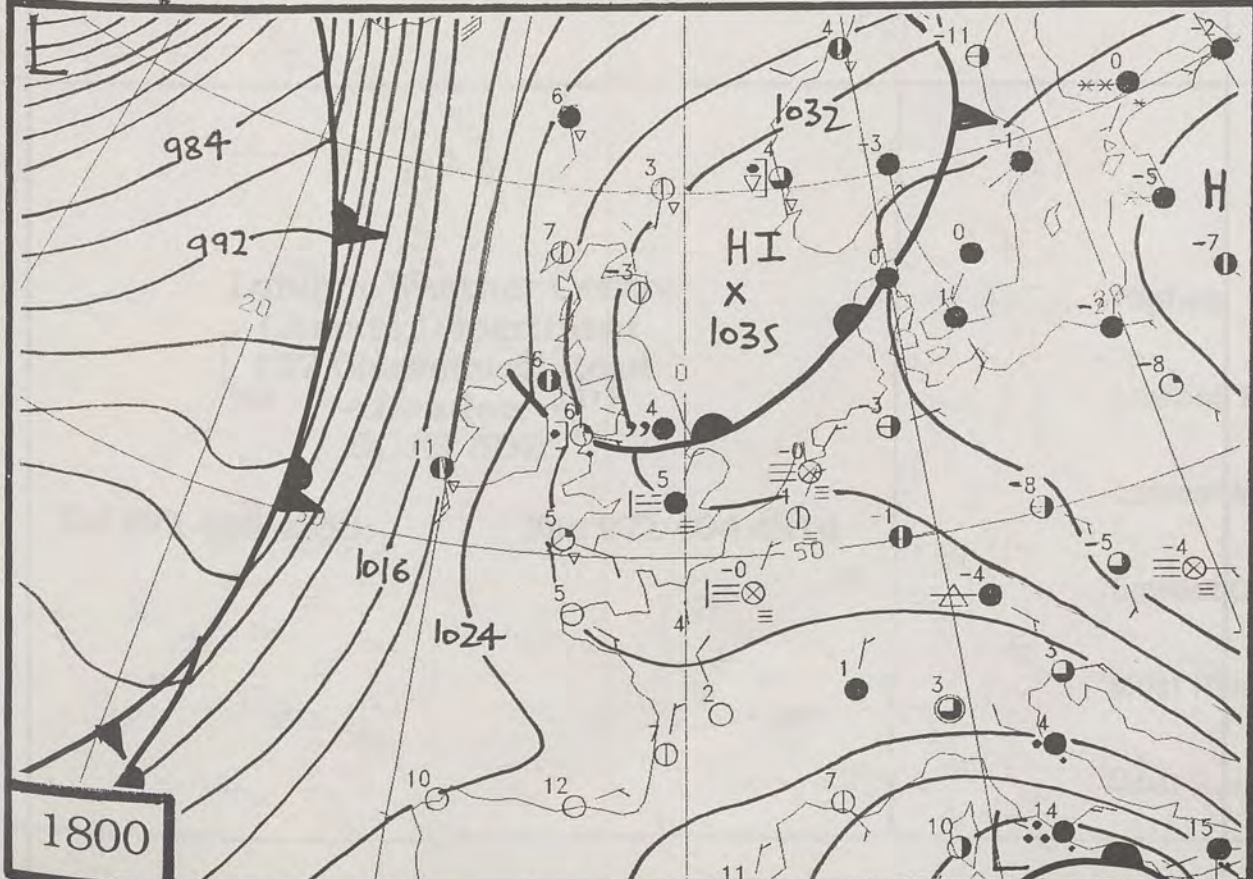
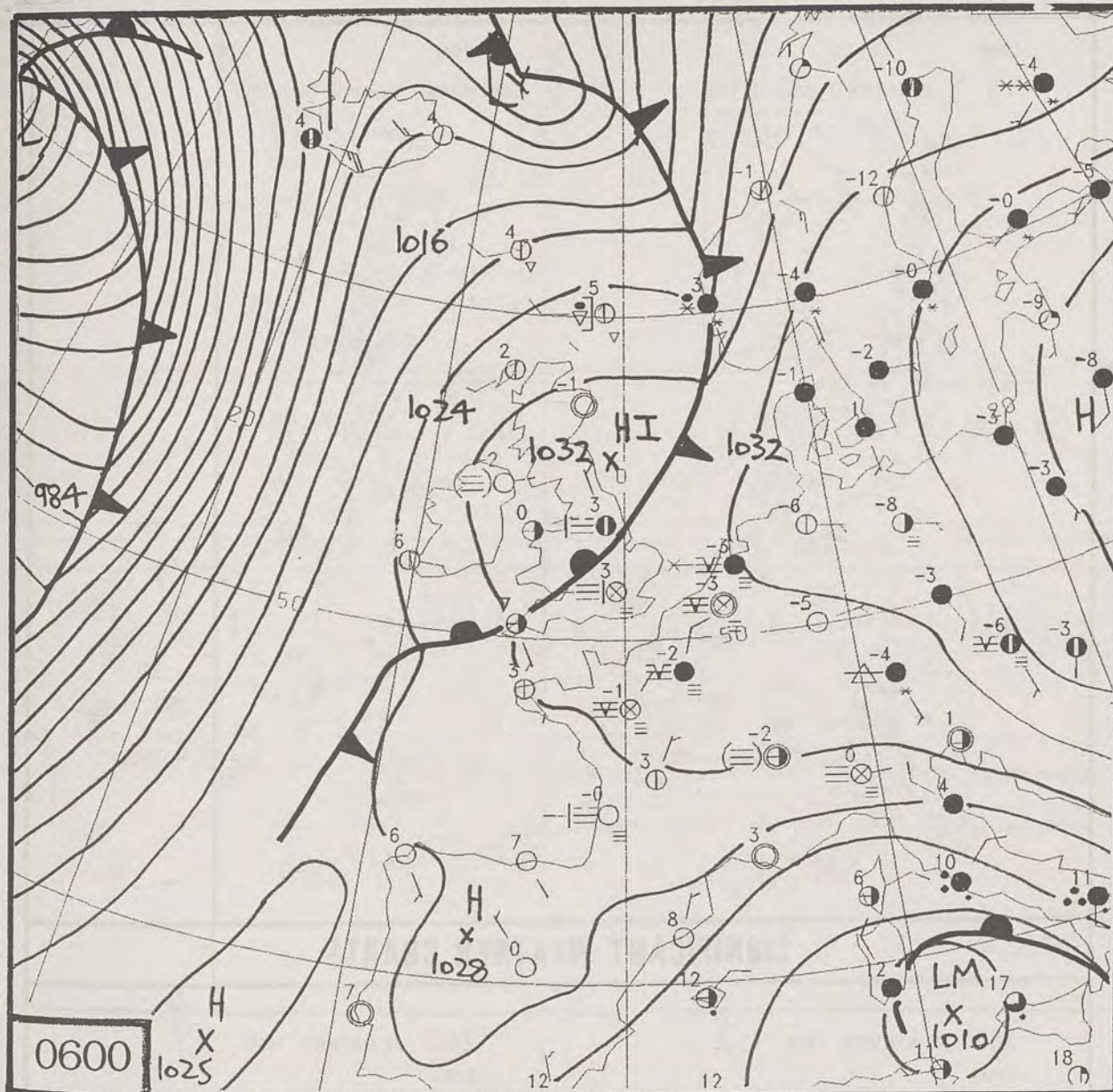
METE05AT AT 12:00 GMT ON 25/11/93
VISIBLE



CLOUD THICKNESS
THICK THIN



PECKED LINE
1200 GMT



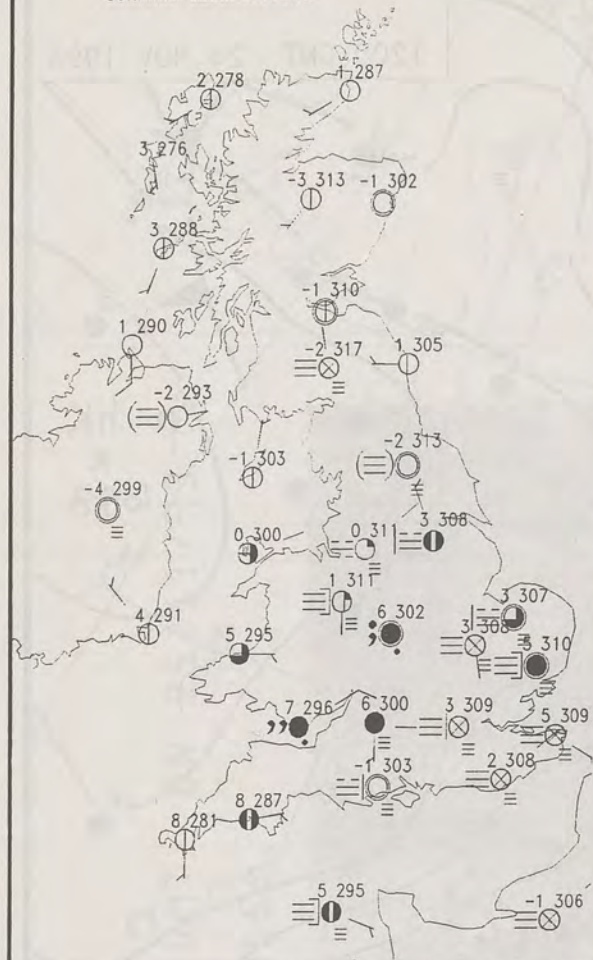
DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Friday 26th November 1993

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB

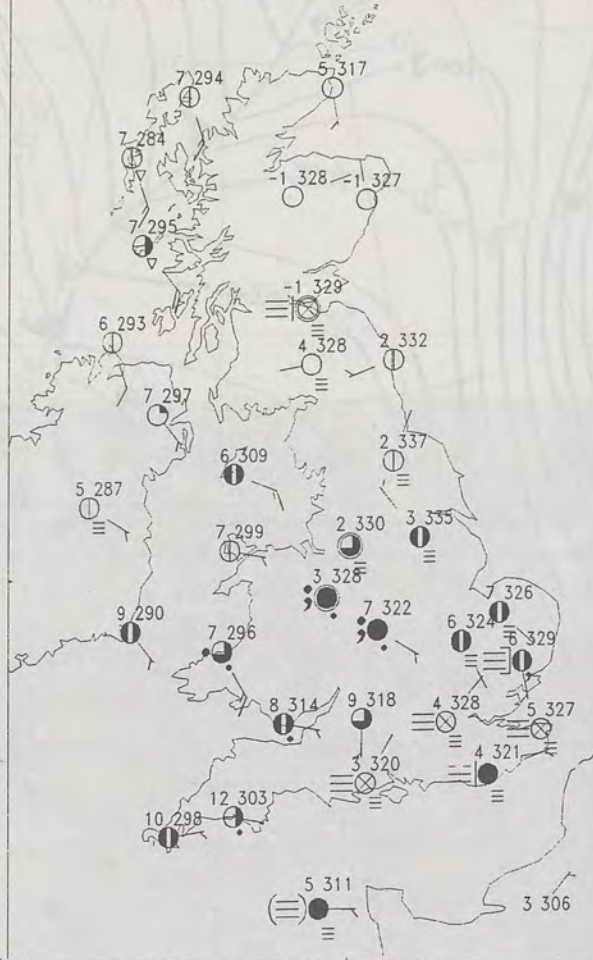


Warm front Cold front Occlusion

0600 26 NOVEMBER 1993
SURFACE OBSERVATIONS

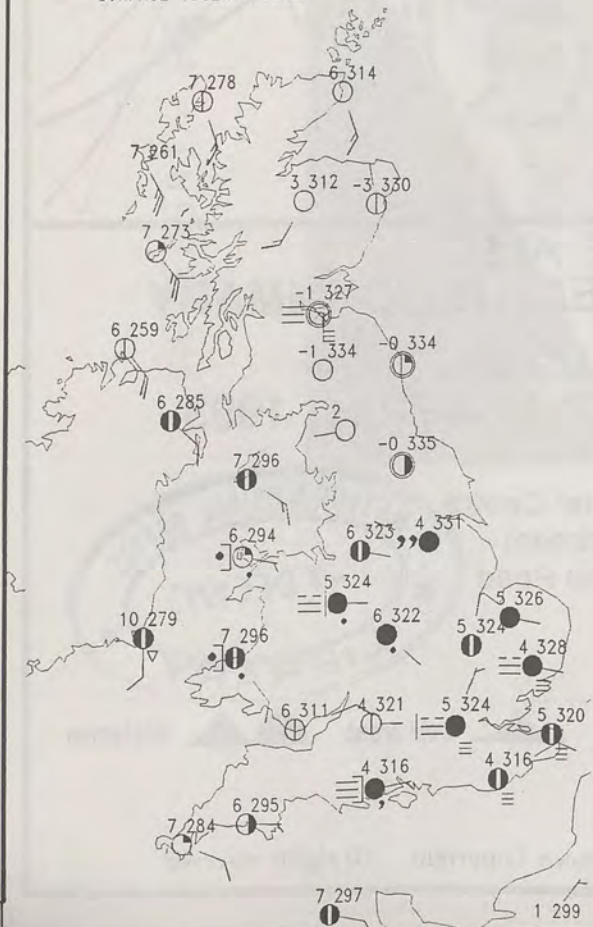


1200 26 NOVEMBER 1993
SURFACE OBSERVATIONS

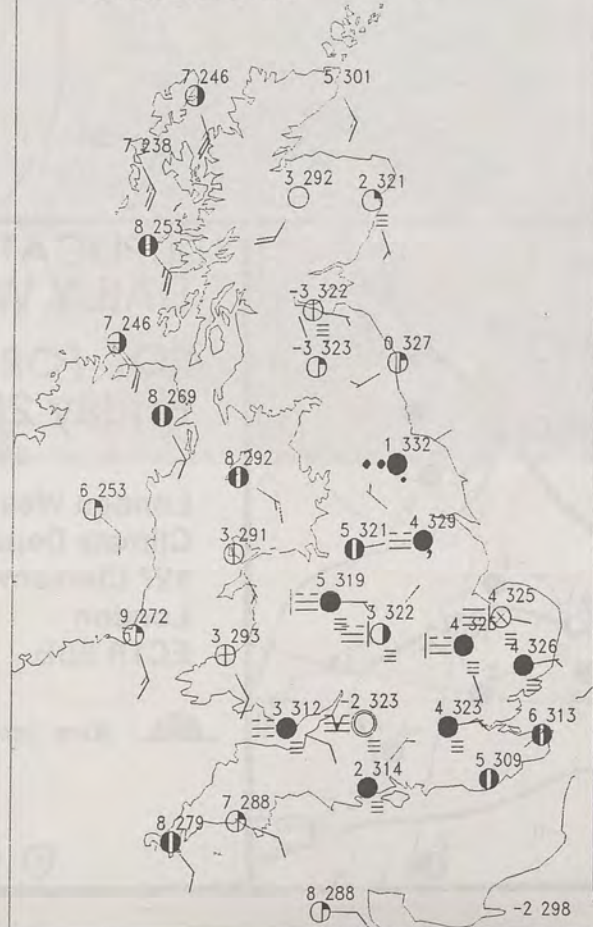


PLOTTED SURFACE OBSERVATIONS

1800 26 NOVEMBER 1993
SURFACE OBSERVATIONS



2400 26 NOVEMBER 1993
SURFACE OBSERVATIONS



SUMMARY OF UK WEATHER FRIDAY 26th November 1993

Overnight, much of Scotland, Northern Ireland, and northern and western parts of both England and Wales were dry with very little cloud. There was a frost in many parts and also some patchy fog. Central England and eastern Wales had a good deal of cloud with some outbreaks of chiefly light rain. East Anglia and the Southeast remained dry with well broken cloud, and that allowed fog to become widespread during the night.

During the day, there were further outbreaks of mainly light rain across central parts of England and southern and eastern areas of Wales, although the rain became increasingly patchy with time. The fog over East Anglia and the Southeast lingered all day in many places. For the rest of the country, once any overnight fog had cleared, most parts had a dry and fine day with plenty of sunshine.

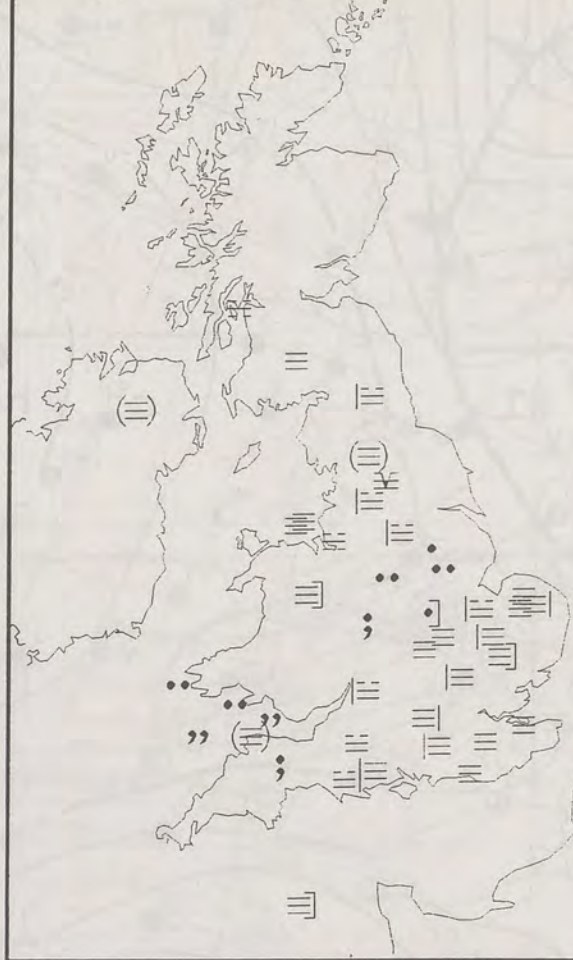
The temperatures were close to normal in the west, but generally cold in the east, locally very cold where the fog linger all day.

London Weather Centre

All times are GMT

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0600 26 NOVEMBER 1993
SIGWX

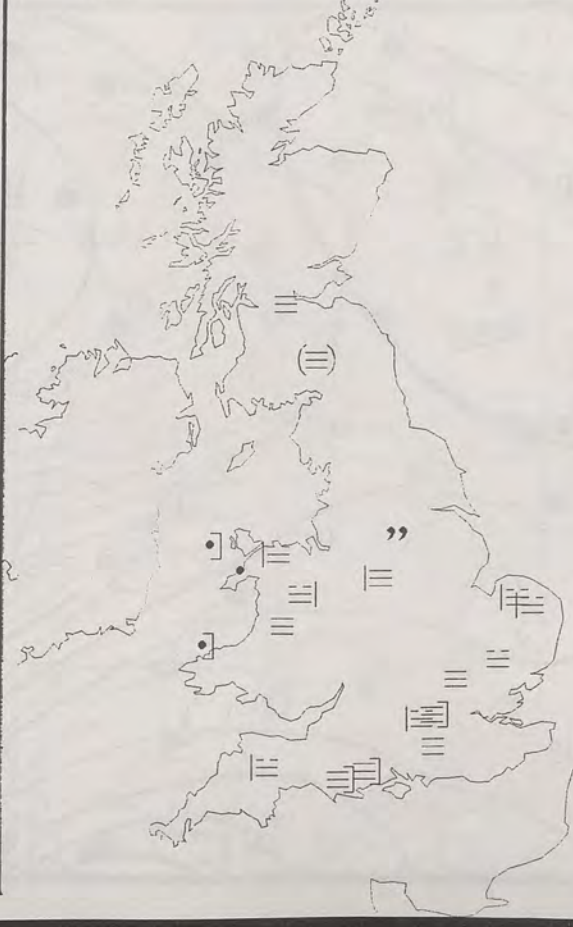


1200 26 NOVEMBER 1993
SIGWX



SIGNIFICANT WEATHER CHARTS

1800 26 NOVEMBER 1993
SIGWX



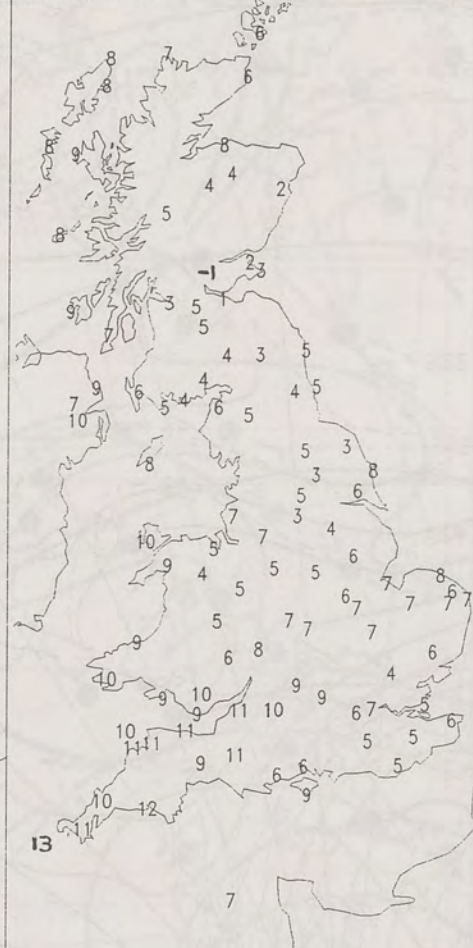
2400 26 NOVEMBER 1993
SIGWX



NIGHT MINIMUM TEMPERATURE
(DEGREES C)
26 NOVEMBER 1993



DAY MAXIMUM TEMPERATURE
(DEGREES C)
26 NOVEMBER 1993



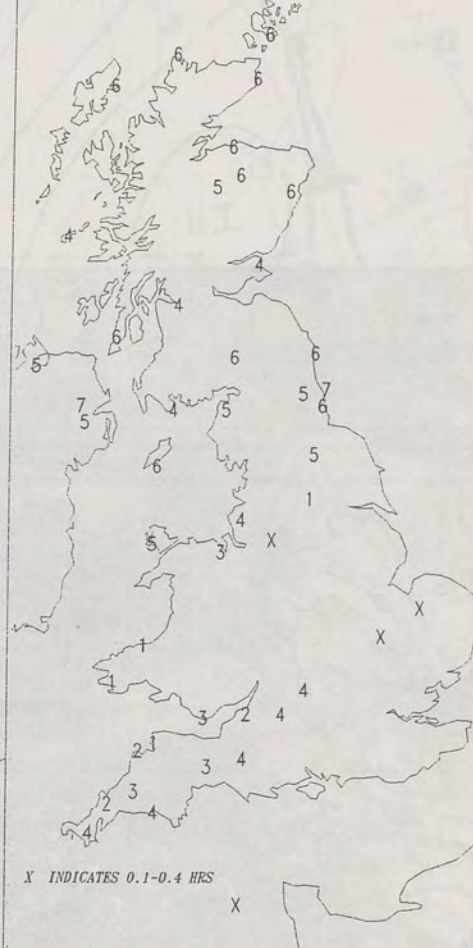
NIGHT RAINFALL
(MILLIMETRES)
26 NOVEMBER 1993



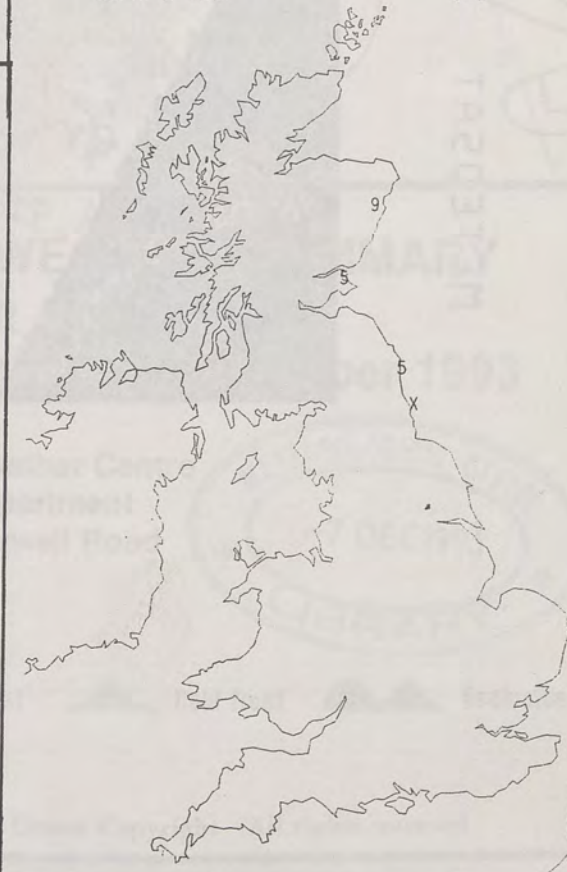
DAY RAINFALL
(MILLIMETRES)
26 NOVEMBER 1993



SUNSHINE (DAWN TO DUSK)
(HOURS)
26 NOVEMBER 1993



0600 26 NOVEMBER 1993
DEPTH OF SNOW (CM)



EXTREMES FOR FRIDAY 26TH NOVEMBER 1993

Highest Maximum	: 12.7 C Isles of Scilly
Lowest Maximum	: -1.1 C Strathallen [Tayside]
Lowest Minimum	: -6.8 C Strathallen
Lowest Grass Minimum	: -10.9 C Belfast
Most Rain (24 hours from 0900 GMT)	: 1.9 mm Birmingham
Most Sun	: 6.8 Hrs Tynemouth

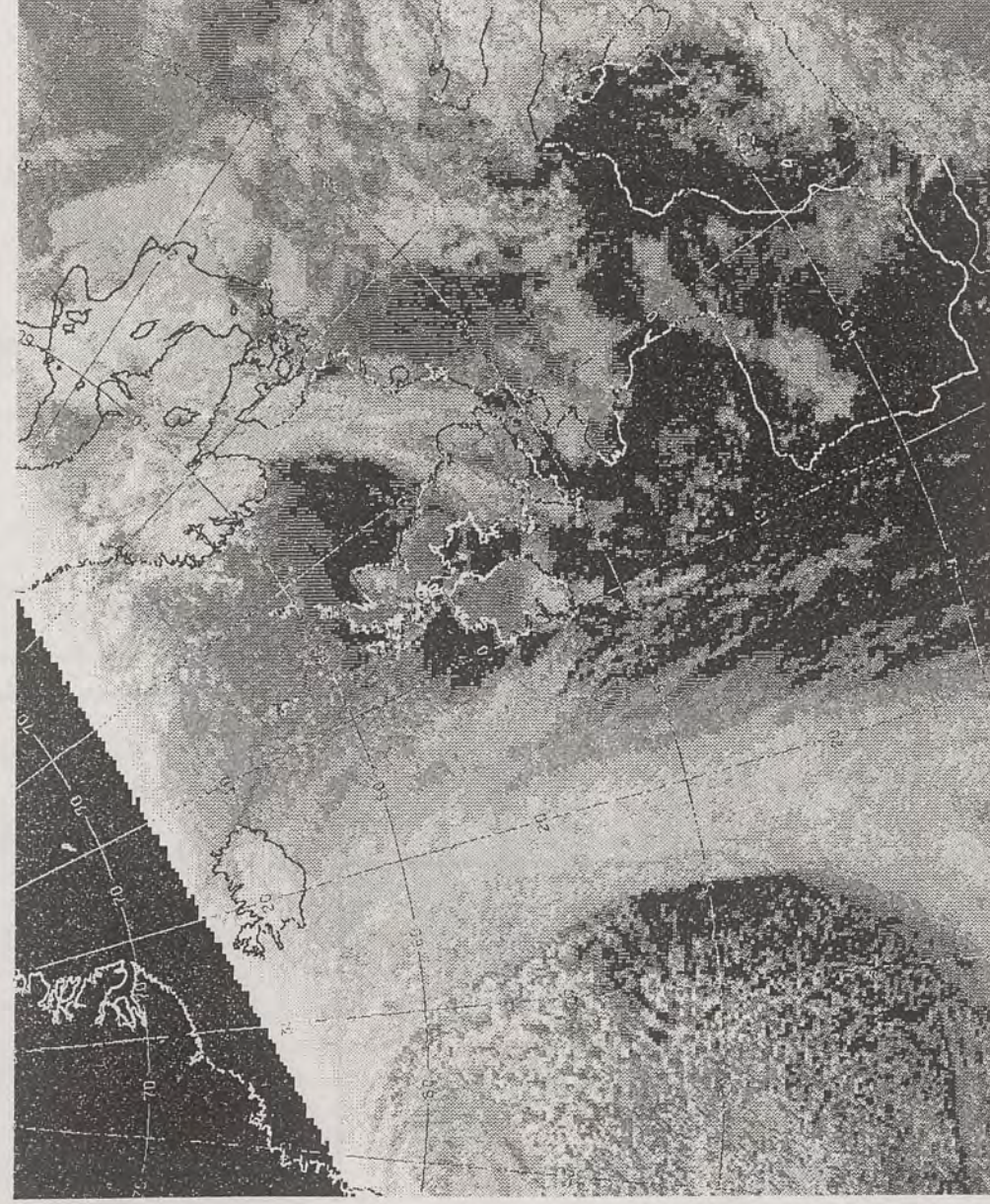
All times are GMT

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB

Tel 071 405 4358

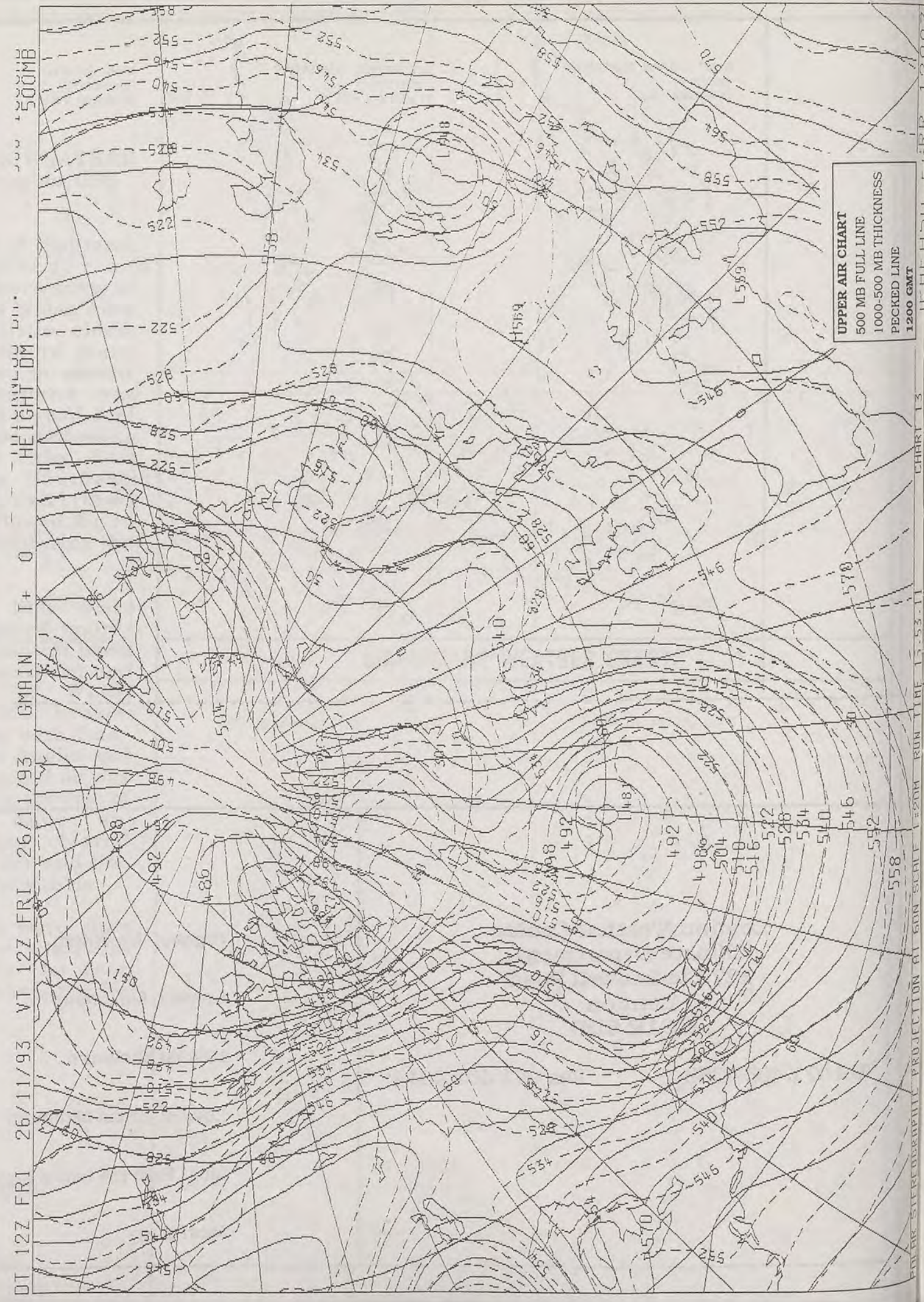
Fax 071 404 4314

METEOSAT AT 12:00 GMT ON 26/11/93 VISIBLE

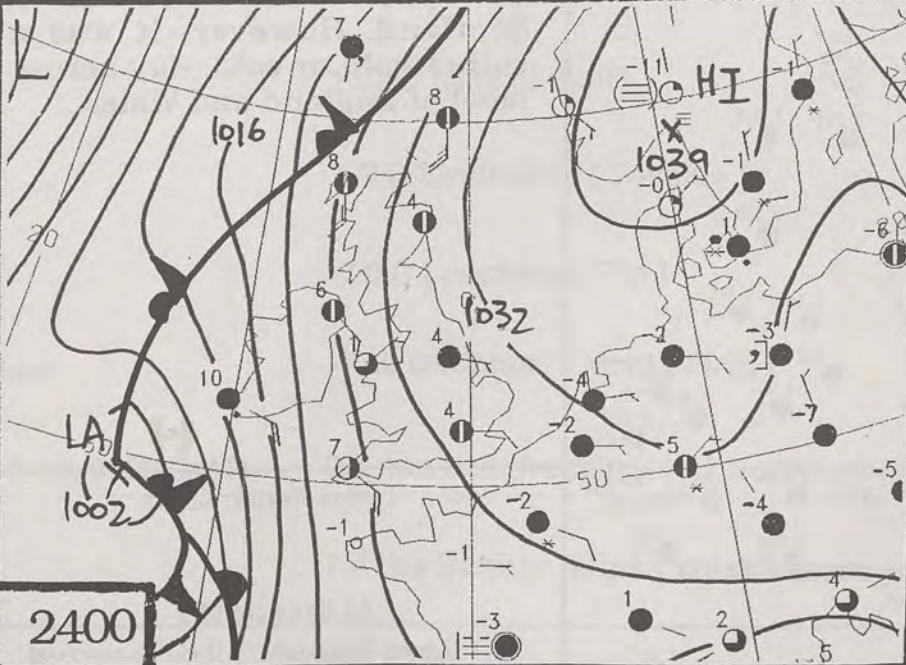
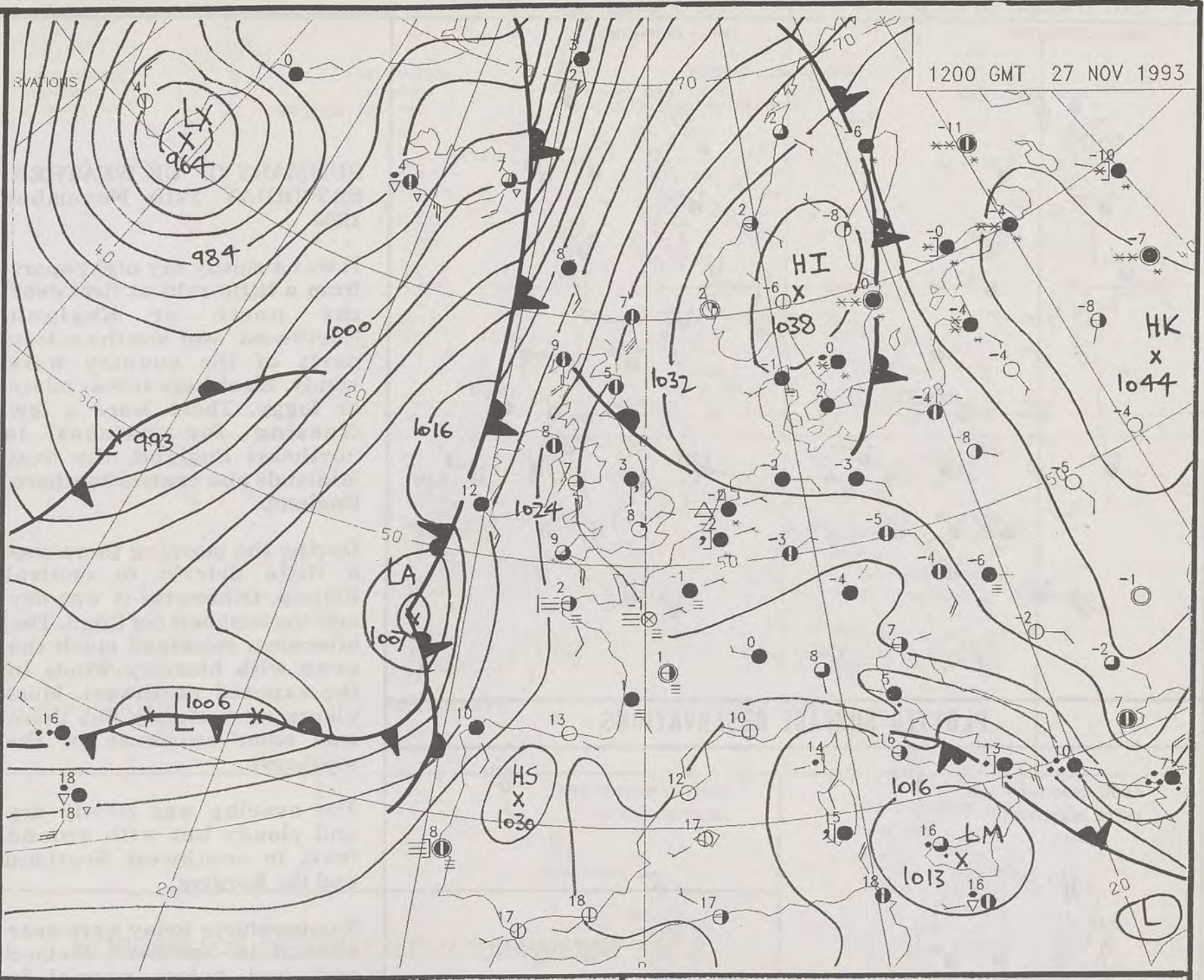
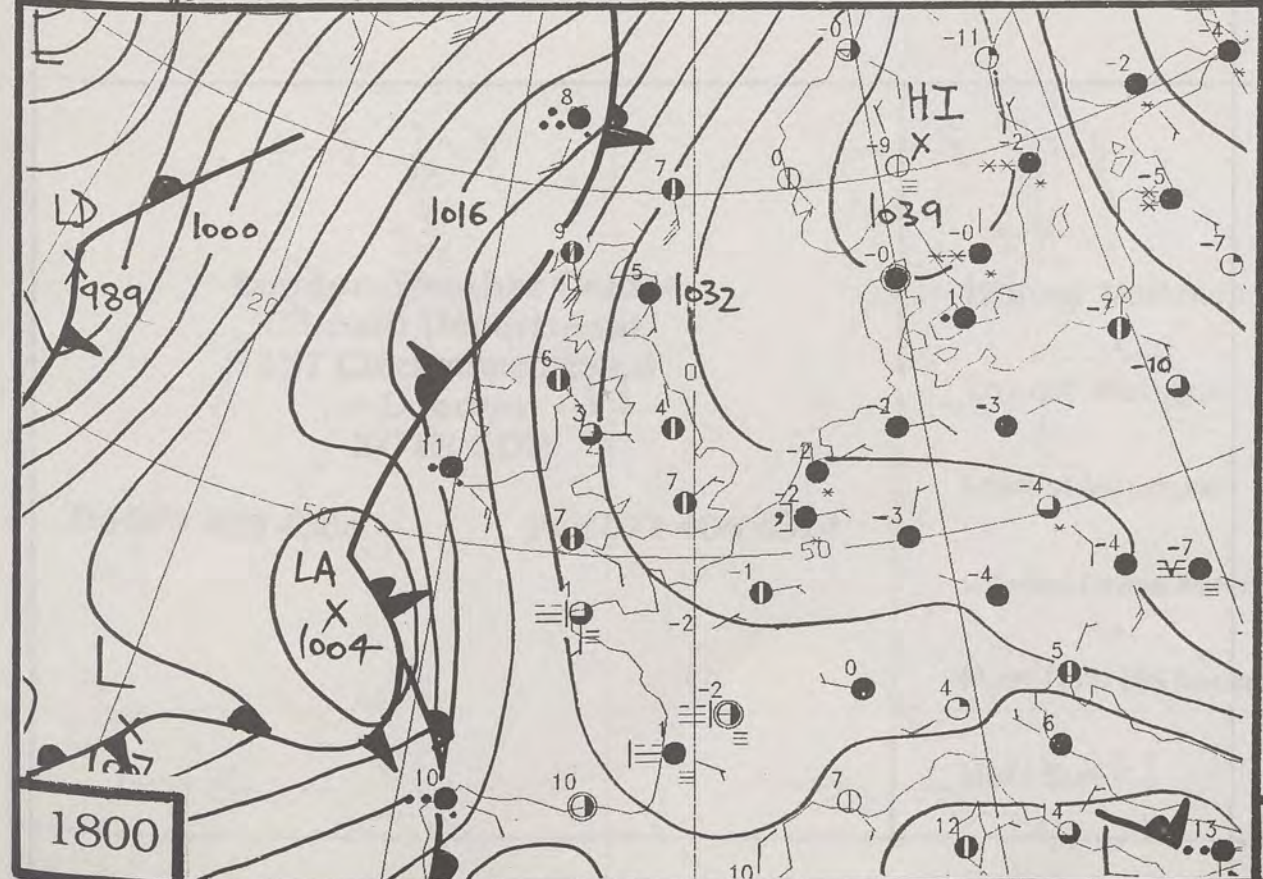
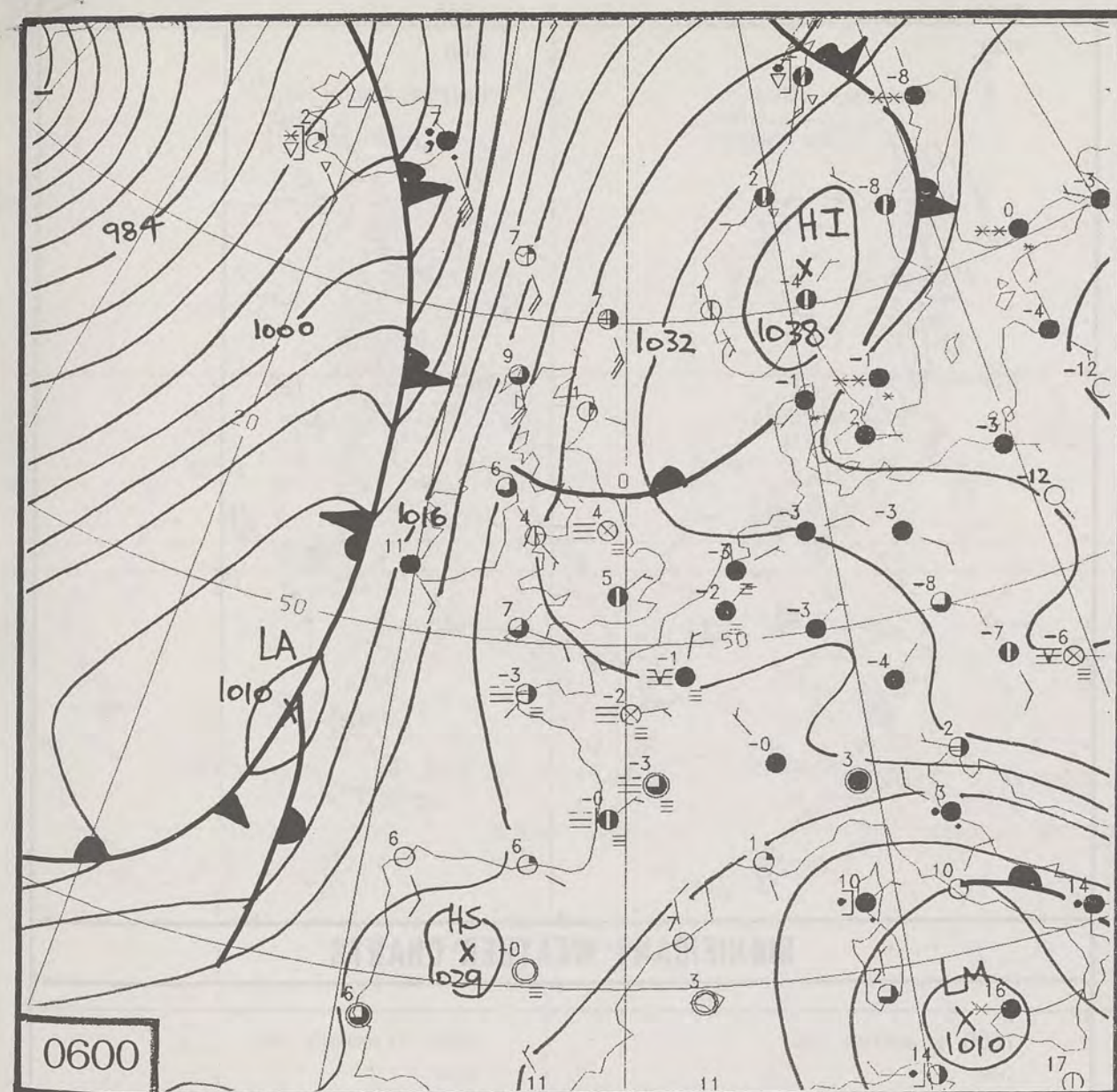


CLOUD THICKNESS

THICK THIN



PECKED LINE
1200 GMT
CHART 13
558
POLAR STEREOGRAPHIC PROJECTION AT 60N SCALE 1:200M RUN TIME 13-53-11



DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Saturday 27th November 1993

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB

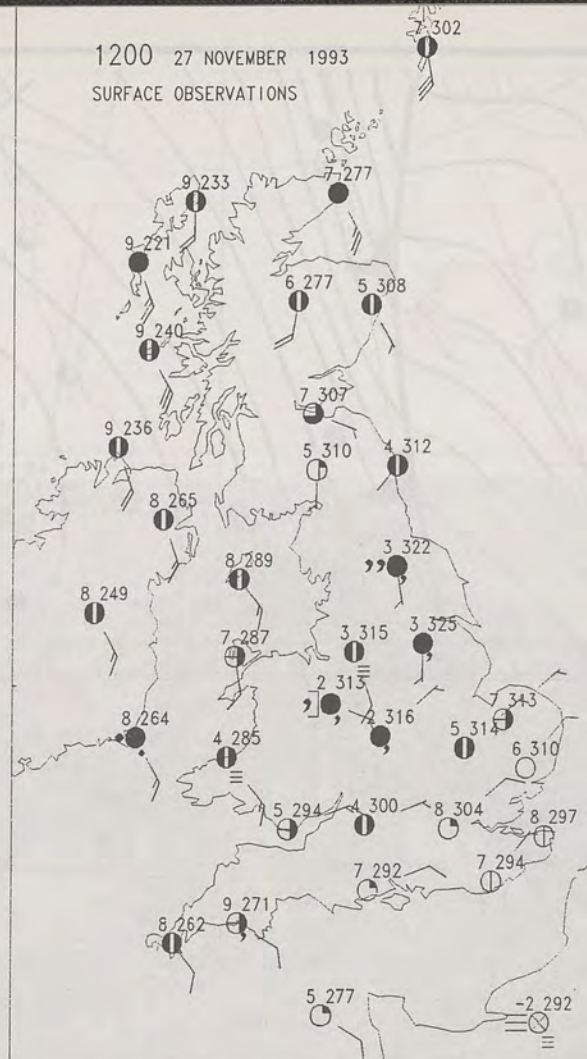


Warm front Cold front Occlusion

0600 27 NOVEMBER 1993
SURFACE OBSERVATIONS



1200 27 NOVEMBER 1993
SURFACE OBSERVATIONS



PLOTTED SURFACE OBSERVATIONS

1800 27 NOVEMBER 1993
SURFACE OBSERVATIONS



2400 27 NOVEMBER 1993
SURFACE OBSERVATIONS



SUMMARY OF UK WEATHER SATURDAY 27th November 1993

It was a mostly dry night apart from a little rain at first over the north of England. Northwest and southwestern parts of the country were windy. Elsewhere it was misty or foggy. There were a few freezing fog patches in northeast England, the west Midlands and central southern England.

During the morning there was a little drizzle in central Britain. Otherwise it was dry and the mist and fog lifted. The afternoon remained much the same with blustery winds in the exposed northwest. Most places were cloudy but there was some sunshine in the southeast.

The evening was mostly dry and cloudy but with ground frost in southwest Scotland and the Borders.

Temperatures today were near normal in Northern Ireland and just below normal in Scotland. However, it was a rather cold or cold day across most of England and Wales.

London Weather Centre

All times are GMT

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0600 27 NOVEMBER 1993
SIGWX



1200 27 NOVEMBER 1993
SIGWX



SIGNIFICANT WEATHER CHARTS

1800 27 NOVEMBER 1993
SIGWX



2400 27 NOVEMBER 1993
SIGWX



NIGHT MINIMUM TEMPERATURE
(DEGREES C)
27 NOVEMBER 1993



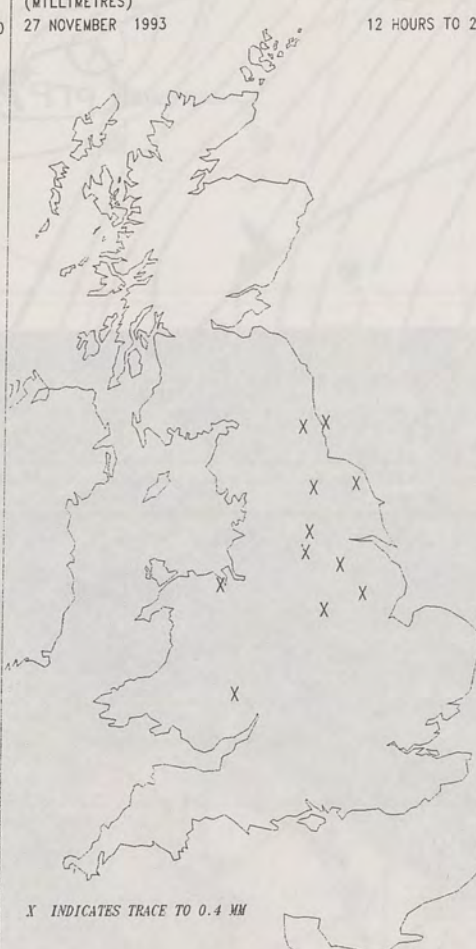
DAY MAXIMUM TEMPERATURE
(DEGREES C)
27 NOVEMBER 1993



NIGHT RAINFALL
(MILLIMETRES)
27 NOVEMBER 1993



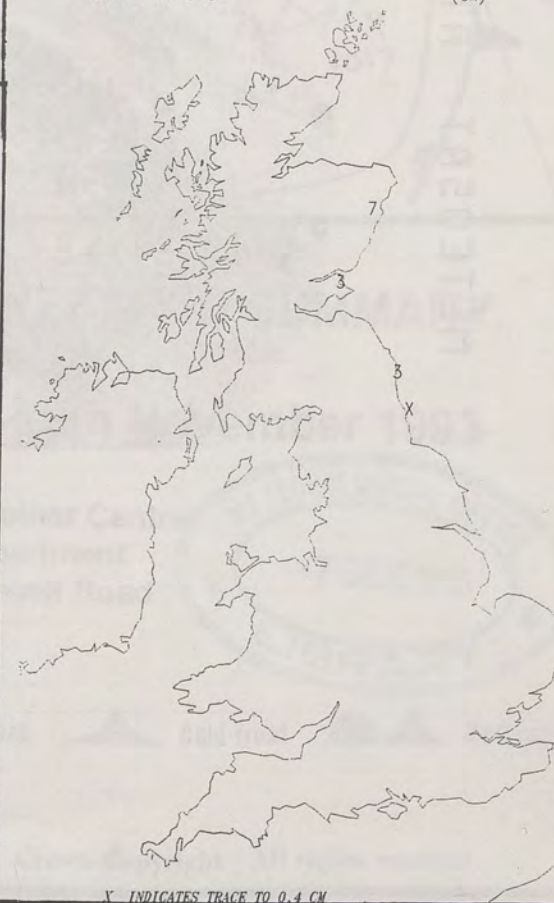
DAY RAINFALL
(MILLIMETRES)
27 NOVEMBER 1993



SUNSHINE (DAWN TO DUSK)
(HOURS)
27 NOVEMBER 1993



0600 27 NOVEMBER 1993
DEPTH OF SNOW (CM)



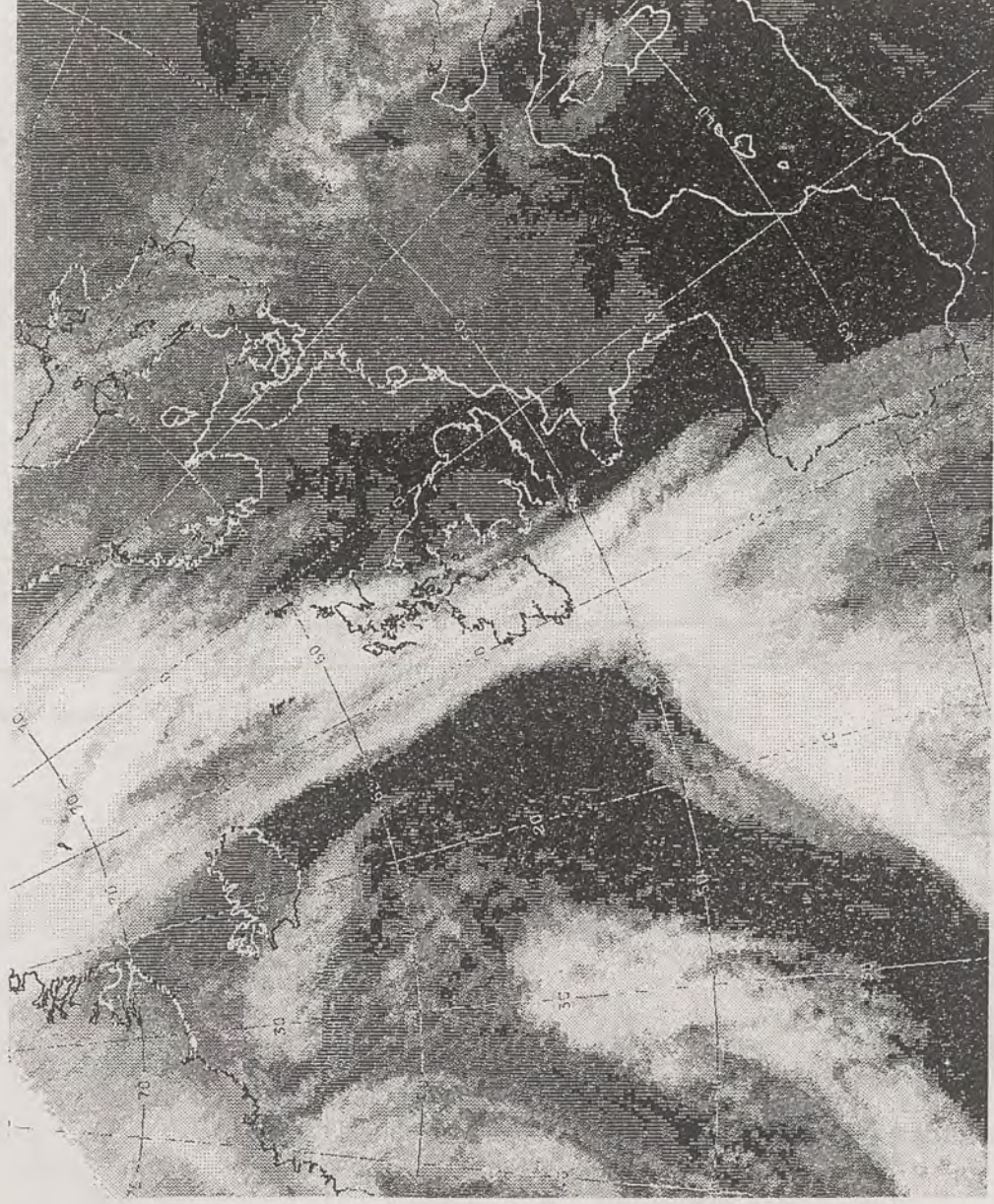
EXTREMES FOR SATURDAY 27TH NOVEMBER 1993

Highest Maximum	: 12.2 C Isles of Scilly
Lowest Maximum	: 1.2 C Strathallen [Tayside]
Lowest Minimum	: -7.0 C Leuchars [Fife]
Lowest Grass Minimum	: -11.0 C Kinloss [Moray Firth]
Most Rain (24 hours from 0900 GMT)	: 0.5 mm Longframlington [Northumberland]
Most Sun	: 7.4 Hrs Bognor Regis [West Sussex]

All times are GMT

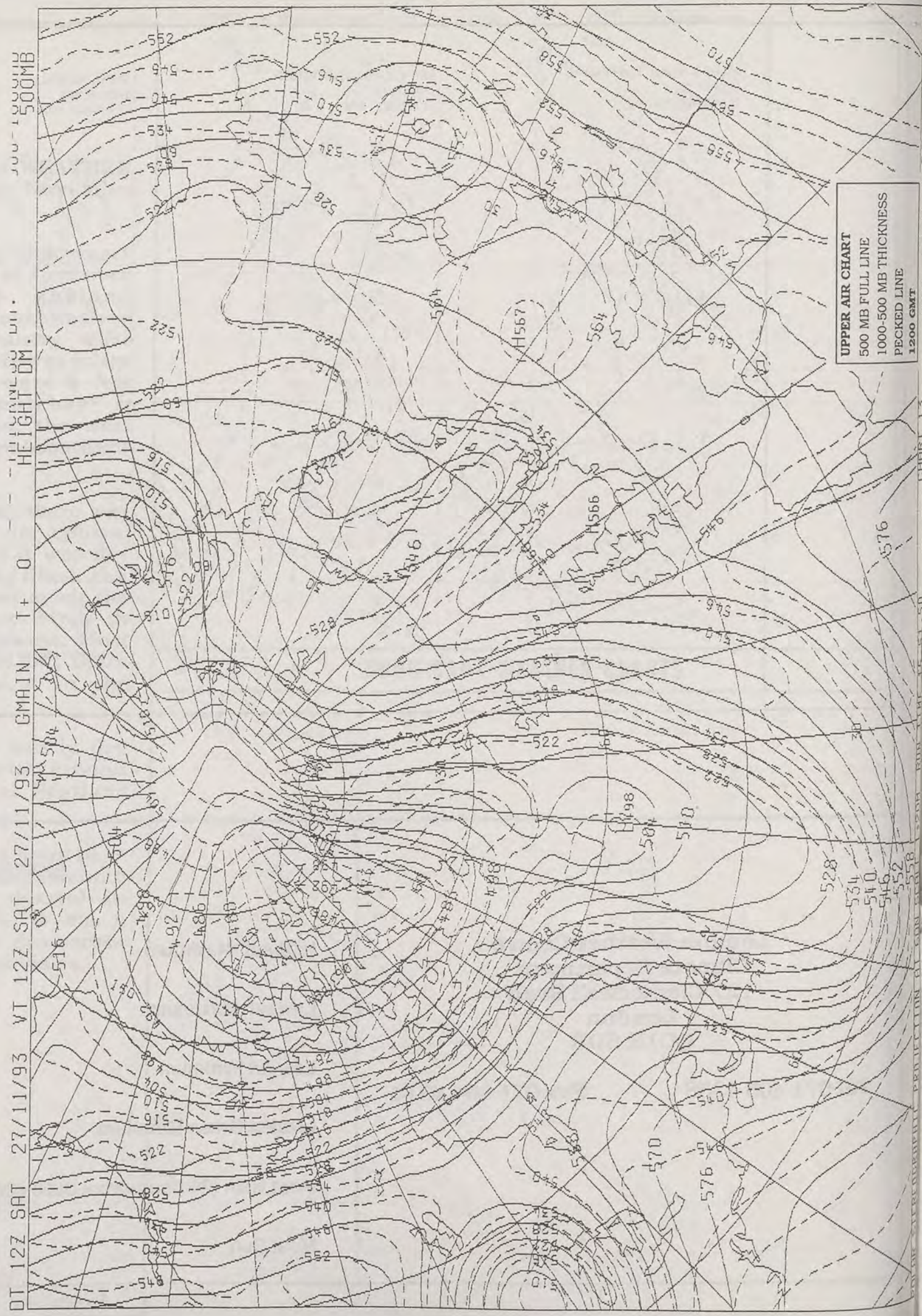
London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB
Tel 071 405 4358 Fax 071 404 4314

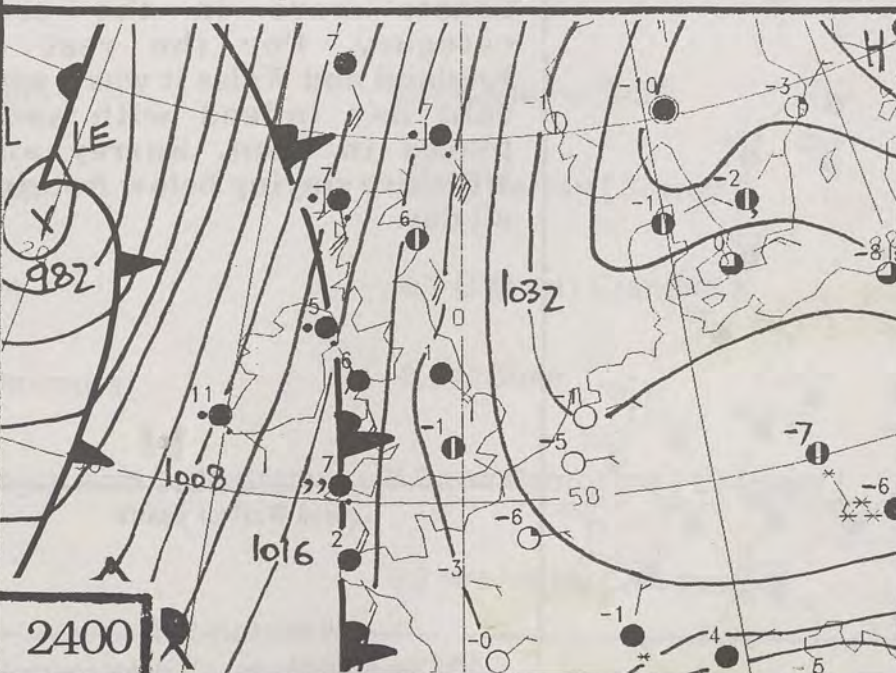
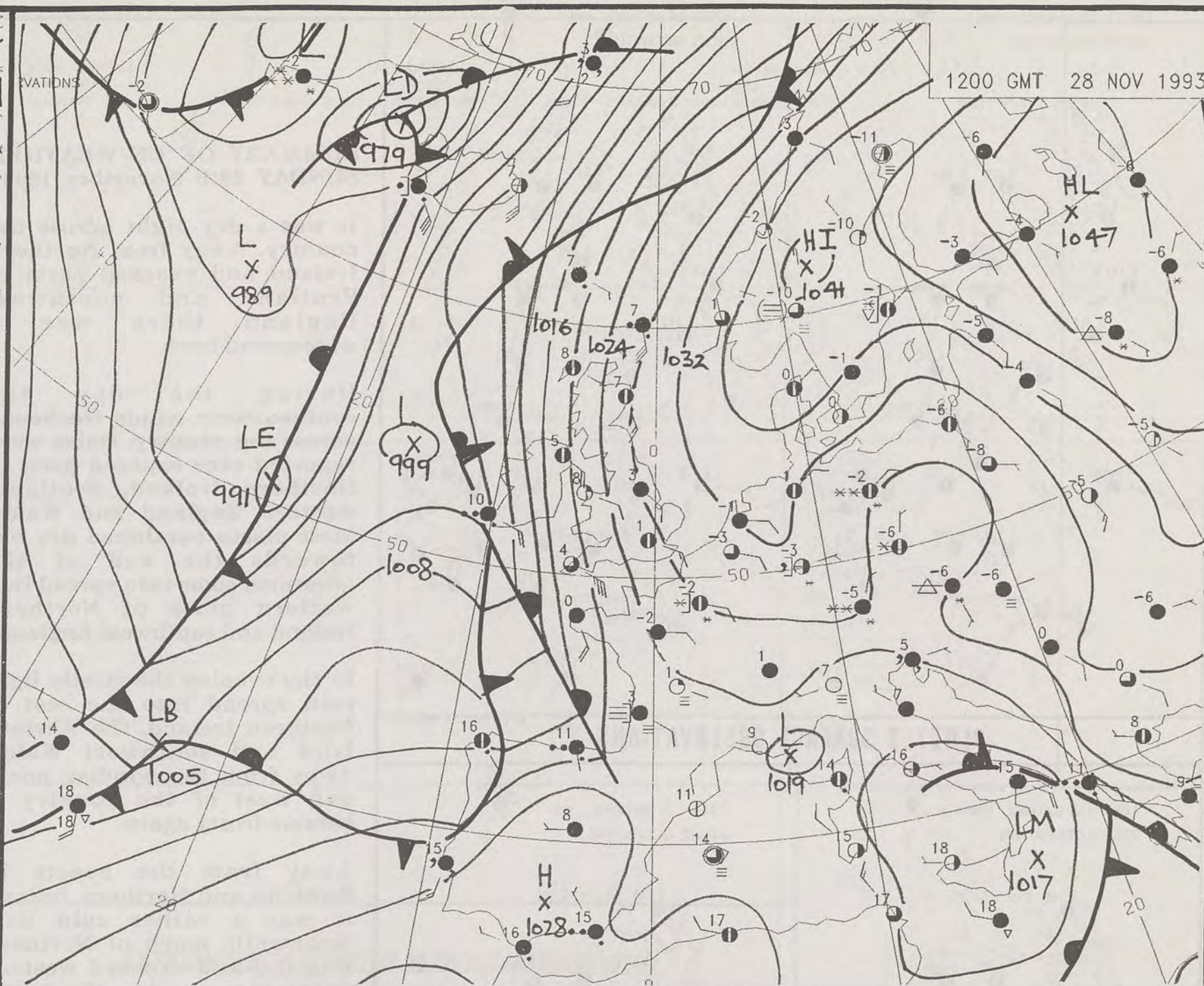
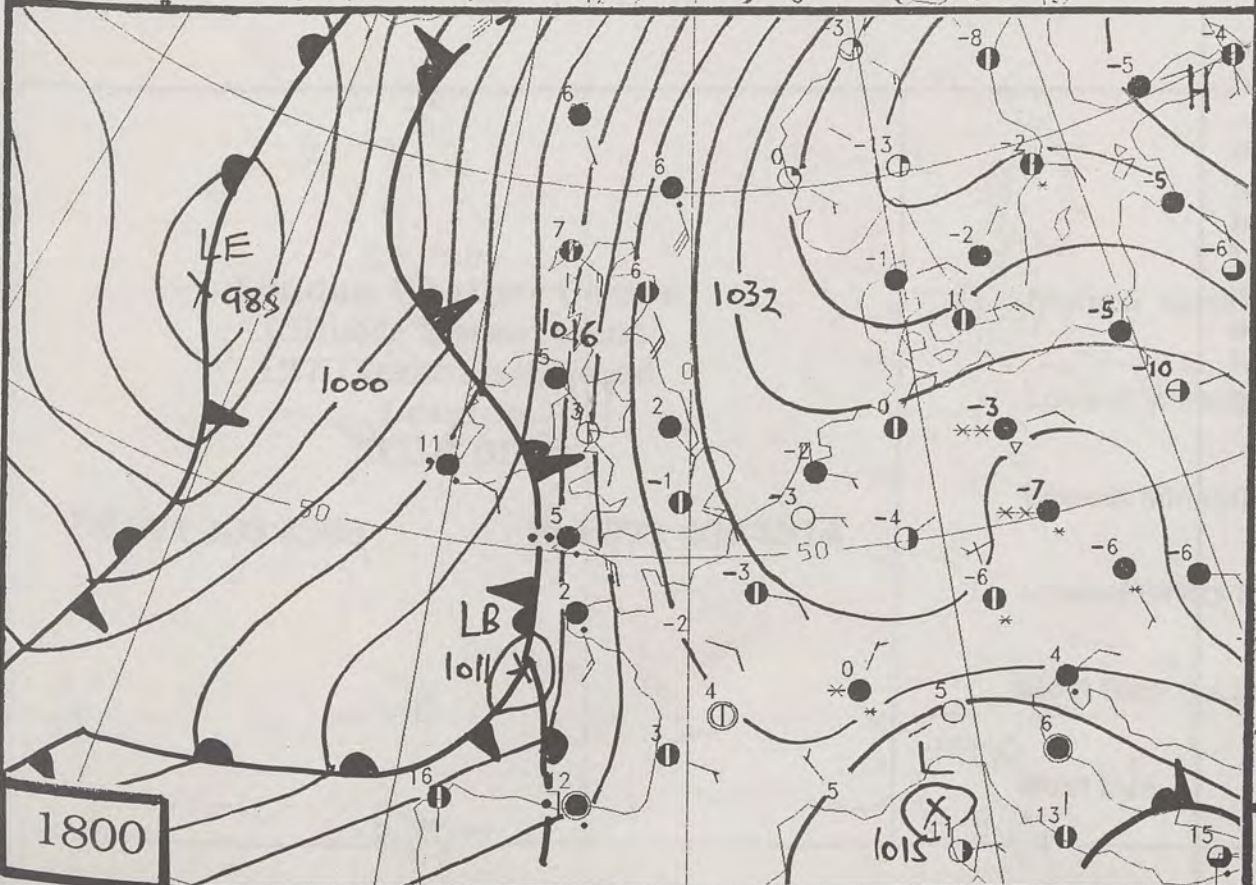
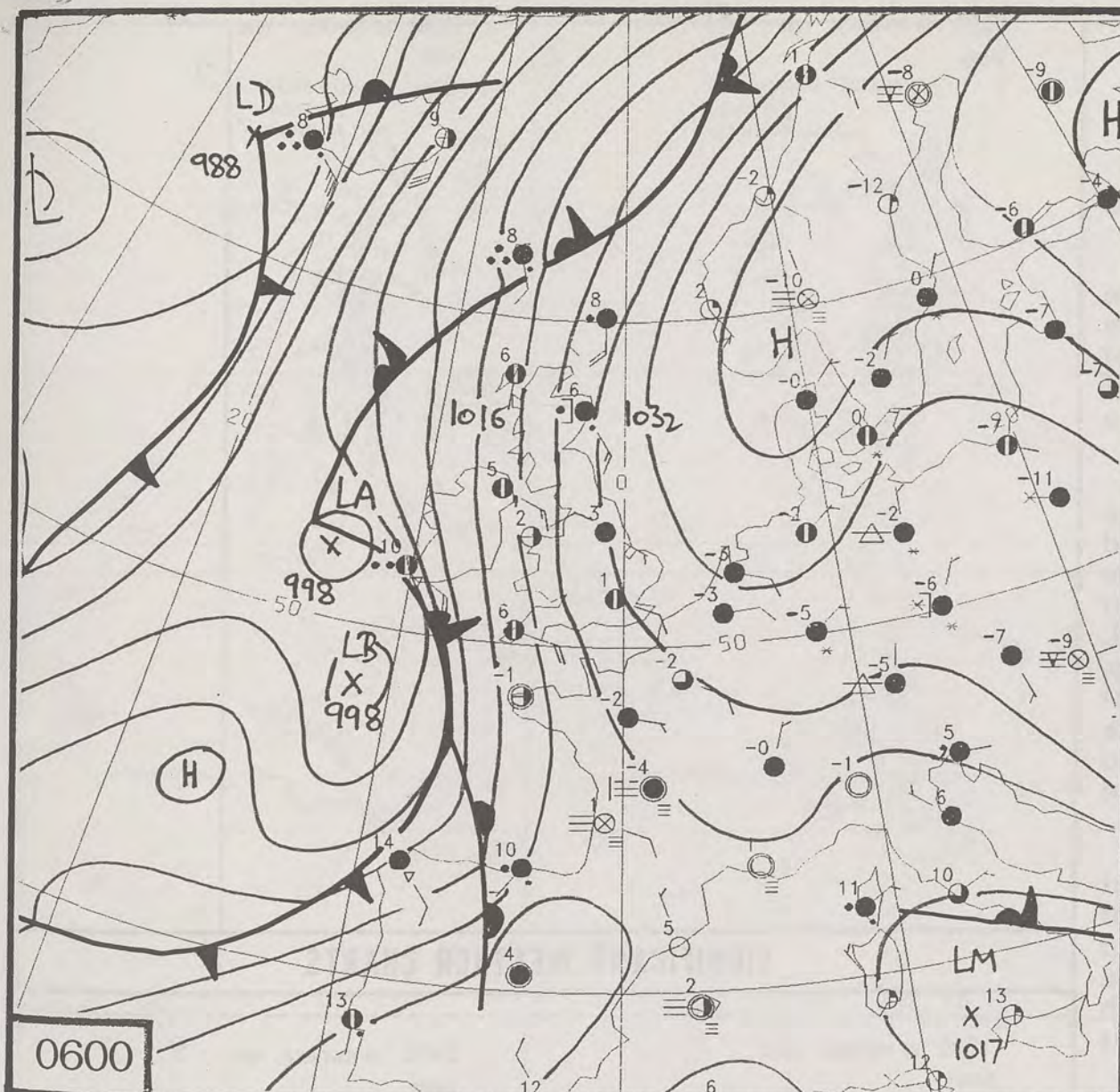
METEOSAT AT 12:00 GMT ON 27/11/93
INFRA-RED



CLOUD-TOP OR LAND/SEA TEMPERATURE

COLD WARM





DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Sunday 28th November 1993

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB

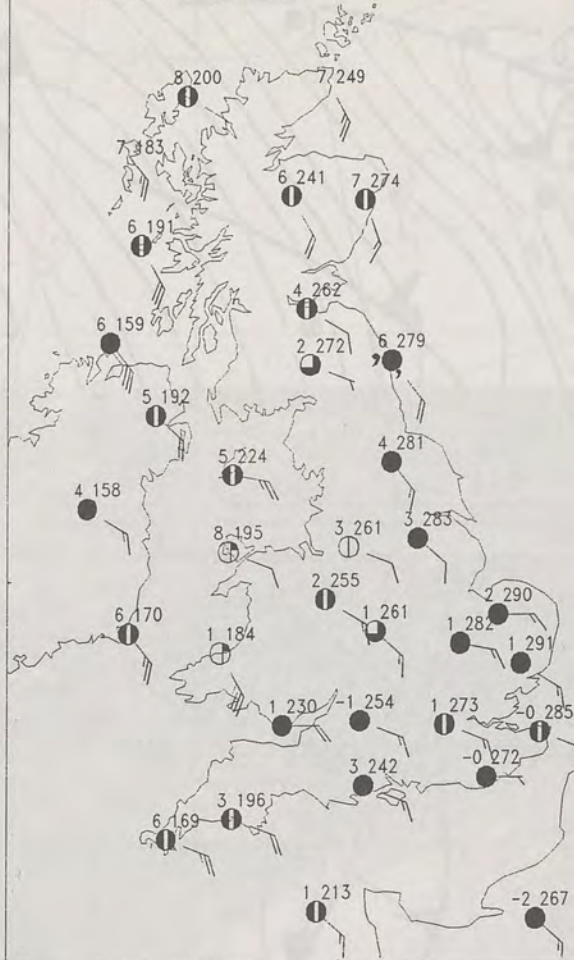


Warm front Cold front Occlusion

0600 28 NOVEMBER 1993
SURFACE OBSERVATIONS

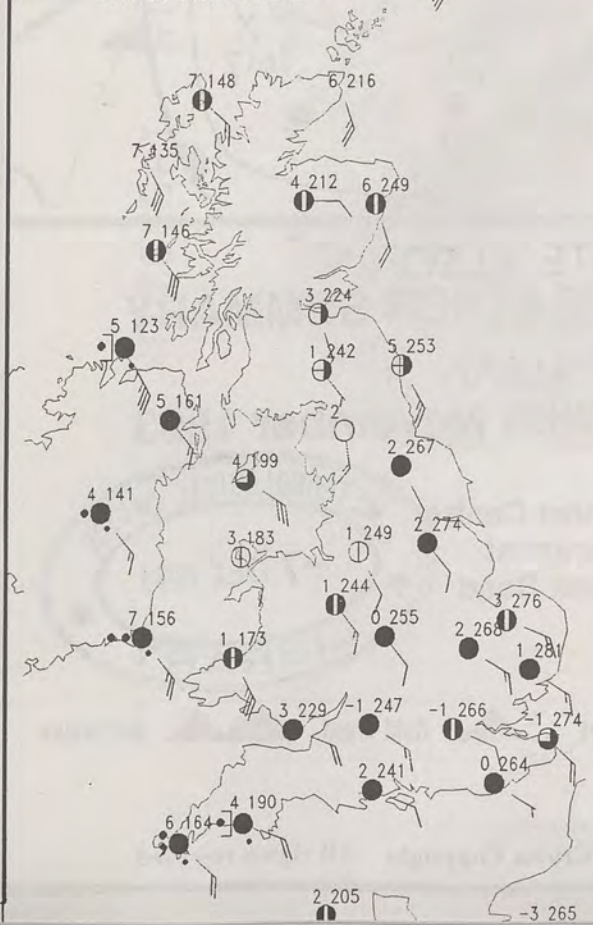


1200 28 NOVEMBER 1993
SURFACE OBSERVATIONS



PLOTTED SURFACE OBSERVATIONS

1800 28 NOVEMBER 1993
SURFACE OBSERVATIONS



2400 28 NOVEMBER 1993
SURFACE OBSERVATIONS



SUMMARY OF UK WEATHER SUNDAY 28th November 1993

It was a dry night across the country. Away from Northern Ireland and exposed parts of Scotland and southwest England there was a widespread frost.

During the day the southeasterly winds freshened across the country. Gales were reported over exposed parts of Northern Ireland, Scotland, western England and Wales. Most places continued dry but towards the end of the afternoon some rain spread into western parts of Northern Ireland and southwest England.

In the evening the mostly light rain spread into the rest of Northern Ireland, the Western Isles and southwest Wales. Away from the windier north and west of the country it became frosty again.

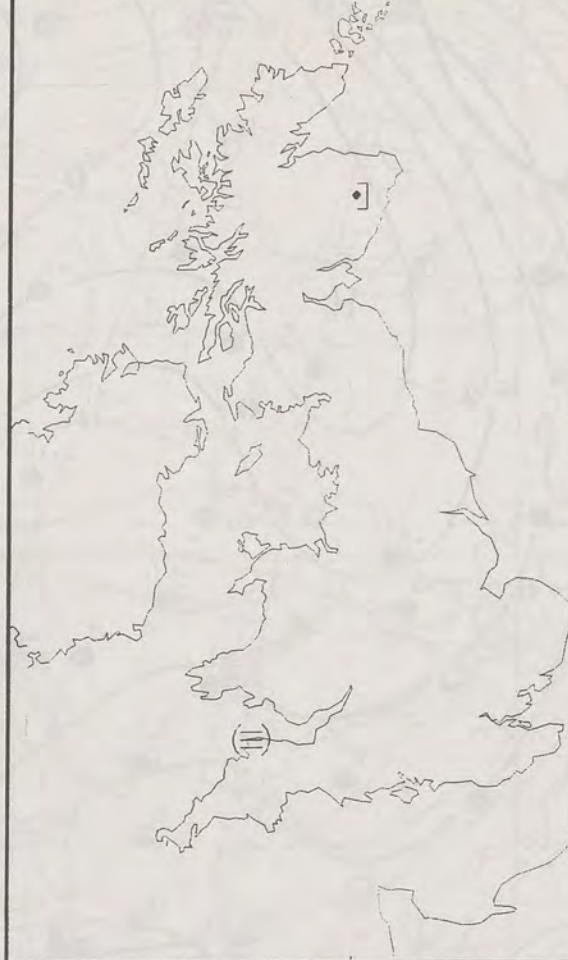
Away from the coasts in Scotland and Northern Ireland it was a rather cold day. Meanwhile much of Northern England and exposed western coasts were in the cold category. For the rest of England and Wales it was a very cold day indeed with some places in Kent, Surrey and Wiltshire staying below freezing all day.

London Weather Centre

All times are GMT

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0600 28 NOVEMBER 1993
SIGWX



1200 28 NOVEMBER 1993
SIGWX



SIGNIFICANT WEATHER CHARTS

1800 28 NOVEMBER 1993
SIGWX



2400 28 NOVEMBER 1993
SIGWX



NIGHT MINIMUM TEMPERATURE
(DEGREES C)
28 NOVEMBER 1993



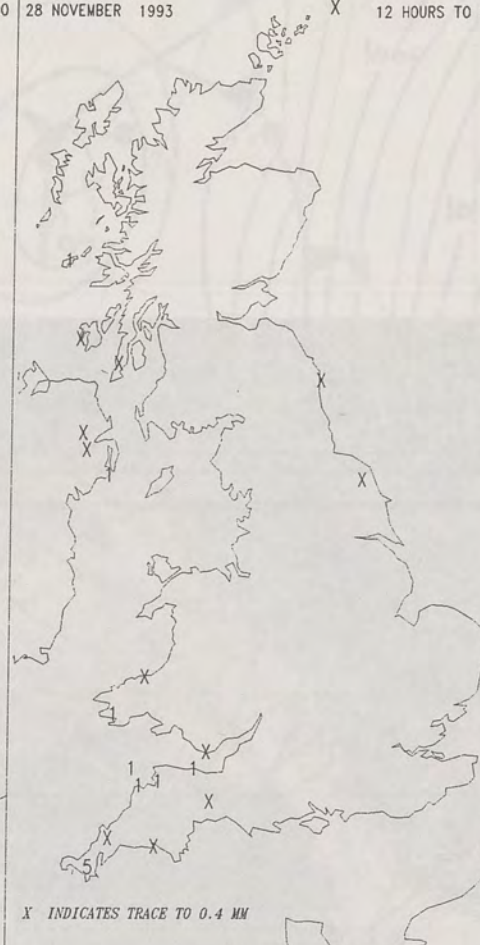
DAY MAXIMUM TEMPERATURE
(DEGREES C)
28 NOVEMBER 1993



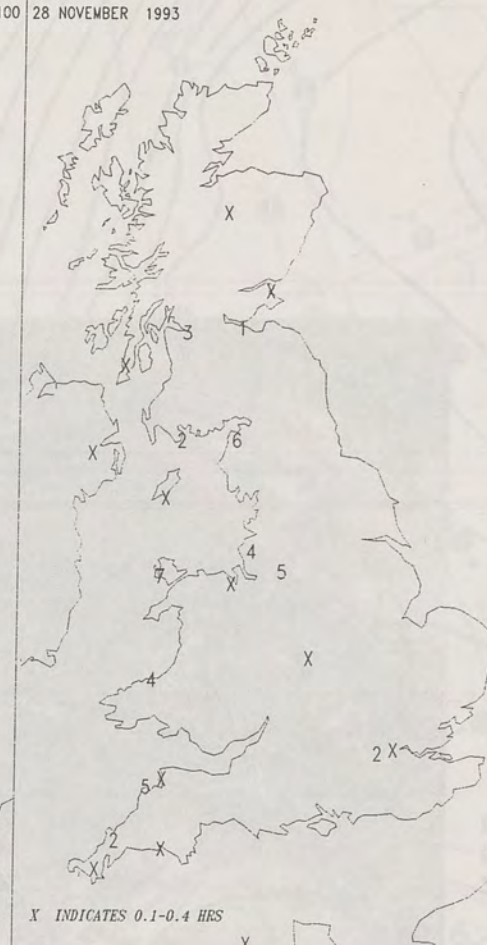
NIGHT RAINFALL
(MILLIMETRES)
28 NOVEMBER 1993



DAY RAINFALL
(MILLIMETRES)
28 NOVEMBER 1993



SUNSHINE (DAWN TO DUSK)
(HOURS)
28 NOVEMBER 1993

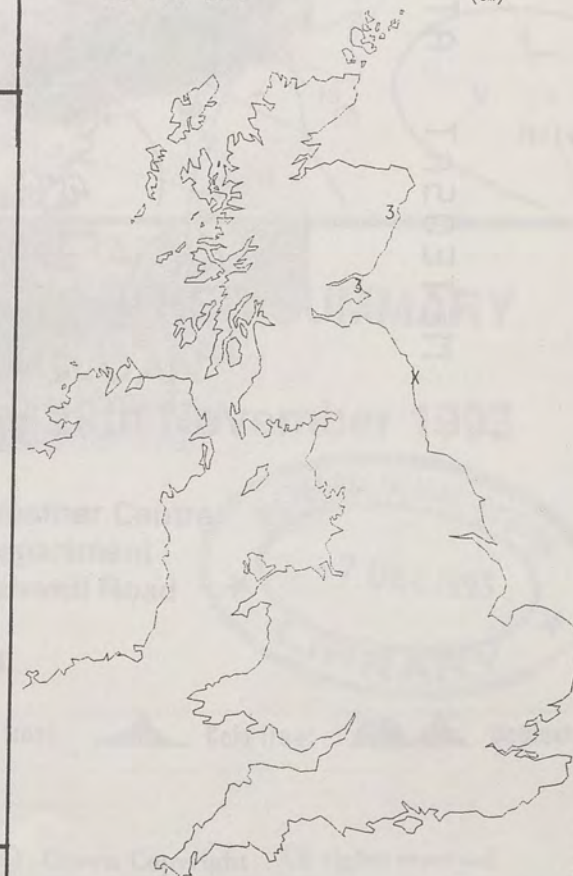


X INDICATES TRACE TO 0.4 MM

X INDICATES TRACE TO 0.4 MM

X INDICATES 0.1-0.4 HRS

0600 28 NOVEMBER 1993
DEPTH OF SNOW (CM)



EXTREMES FOR SUNDAY 28TH NOVEMBER 1993

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB

Tel 071 405 4358

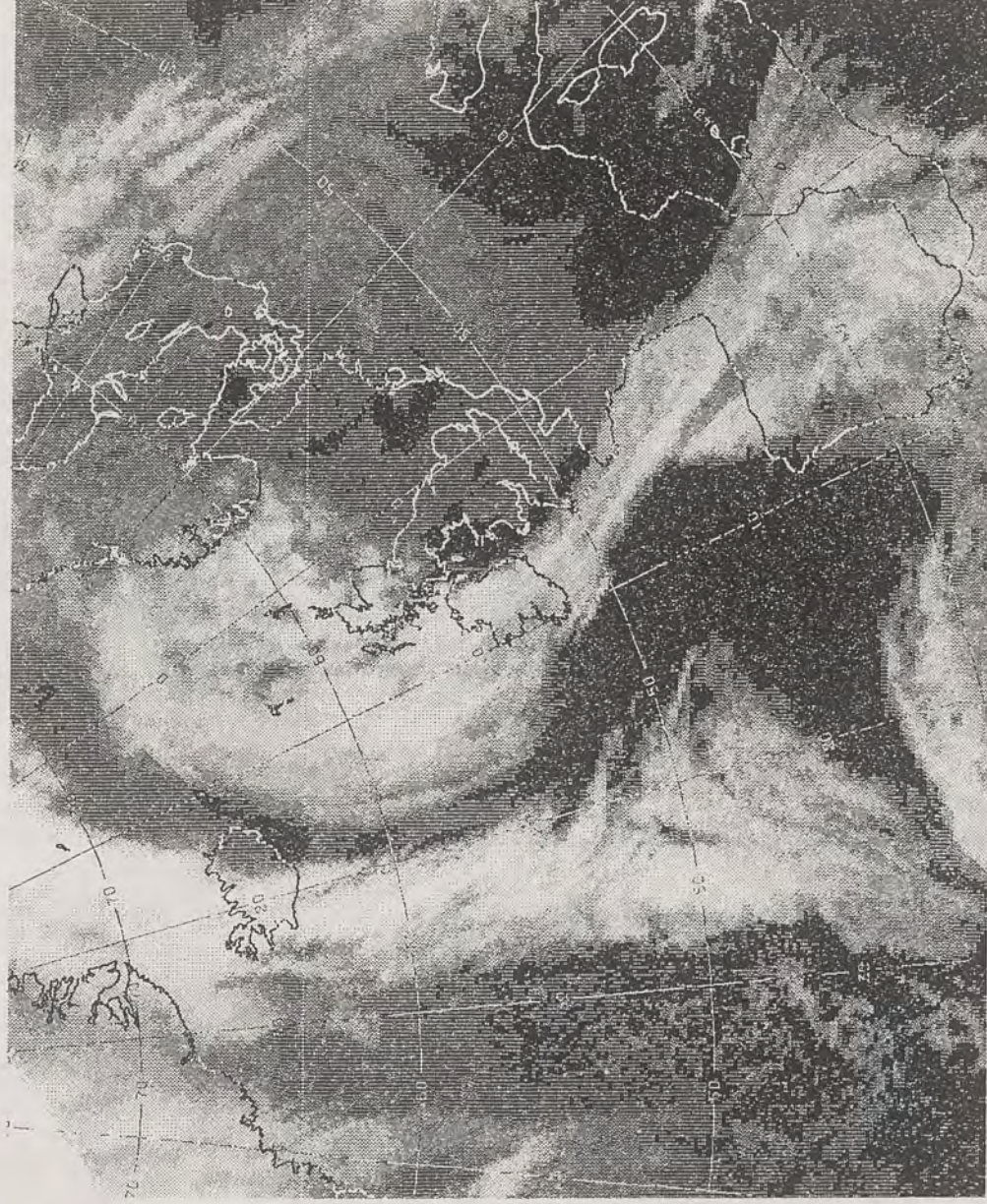
Fax 071 404 4314

Highest Maximum	: 9.4 C Isles of Scilly
Lowest Maximum	: -0.5 C Kenley [Surrey]
Lowest Minimum	: -4.1 C Shap [Cumbria]
Lowest Grass Minimum	: -8.6 C Shap
Most Rain (24 hours from 0900 GMT)	: 8.2 mm Camborne [Cornwall]
Most Sun	: 6.8 Hrs Valley [Anglesey]

All times are GMT

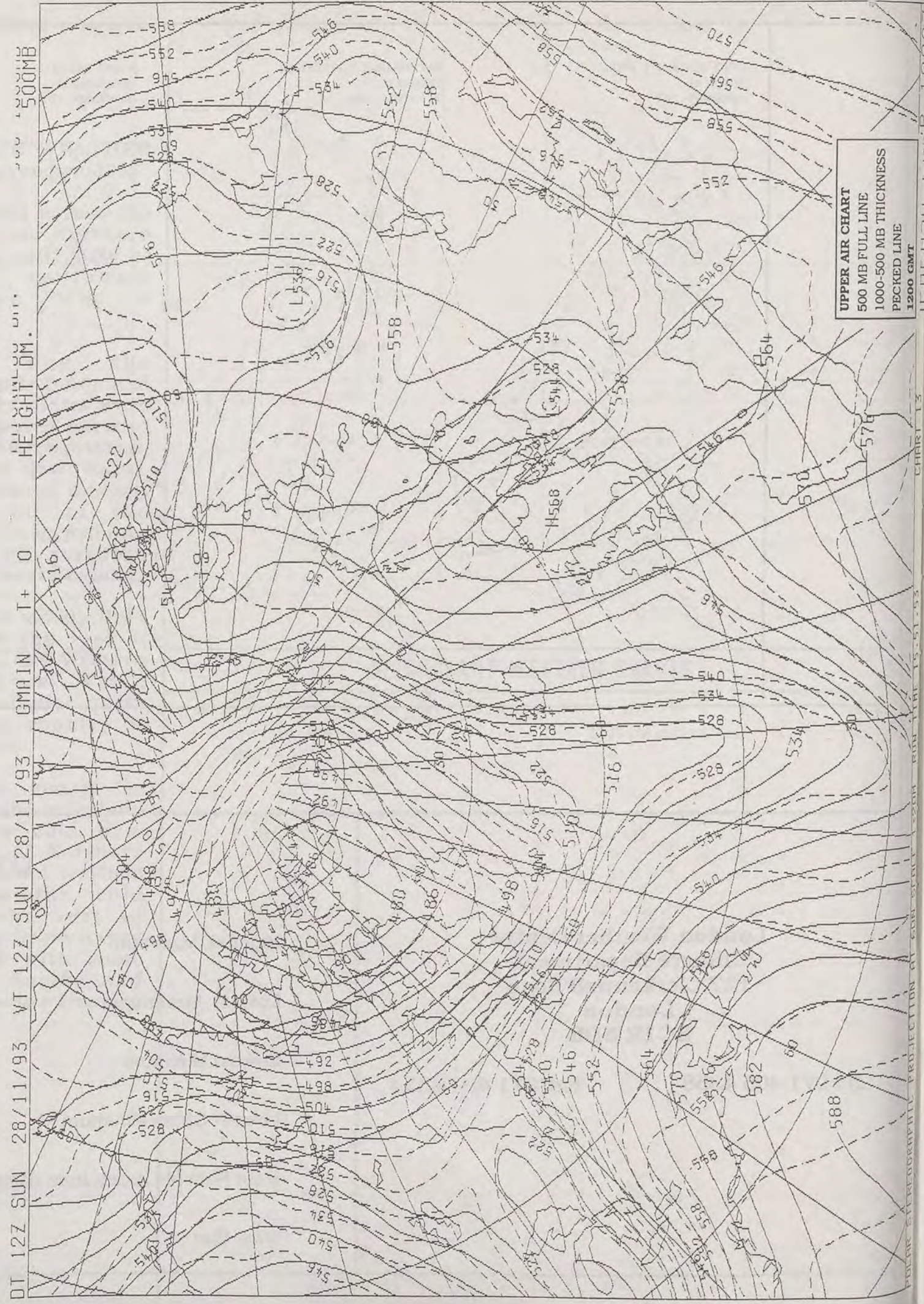
METE05AT AT 12:00 GMT ON 28/11/93

INFRA-RED

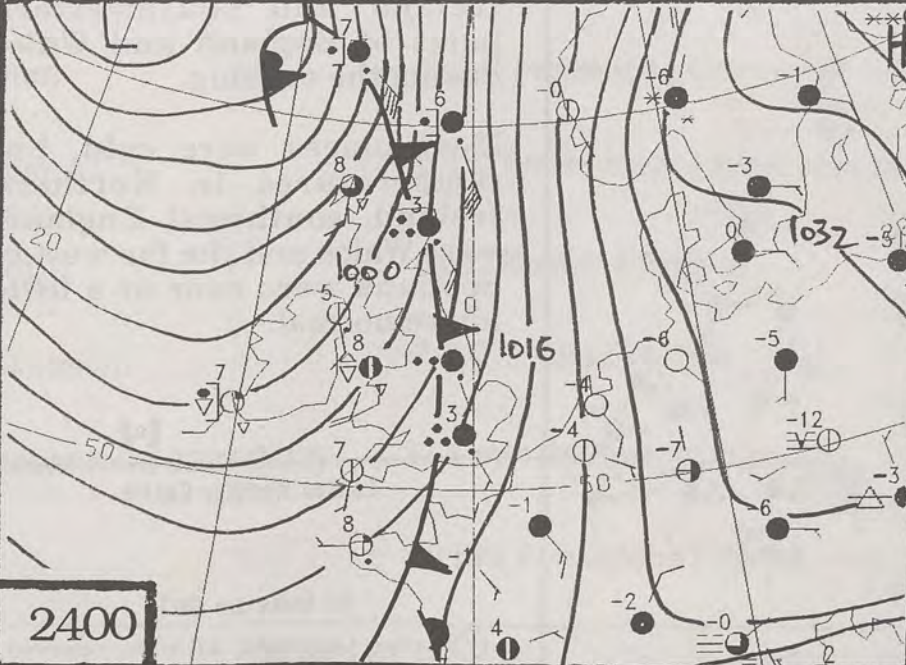
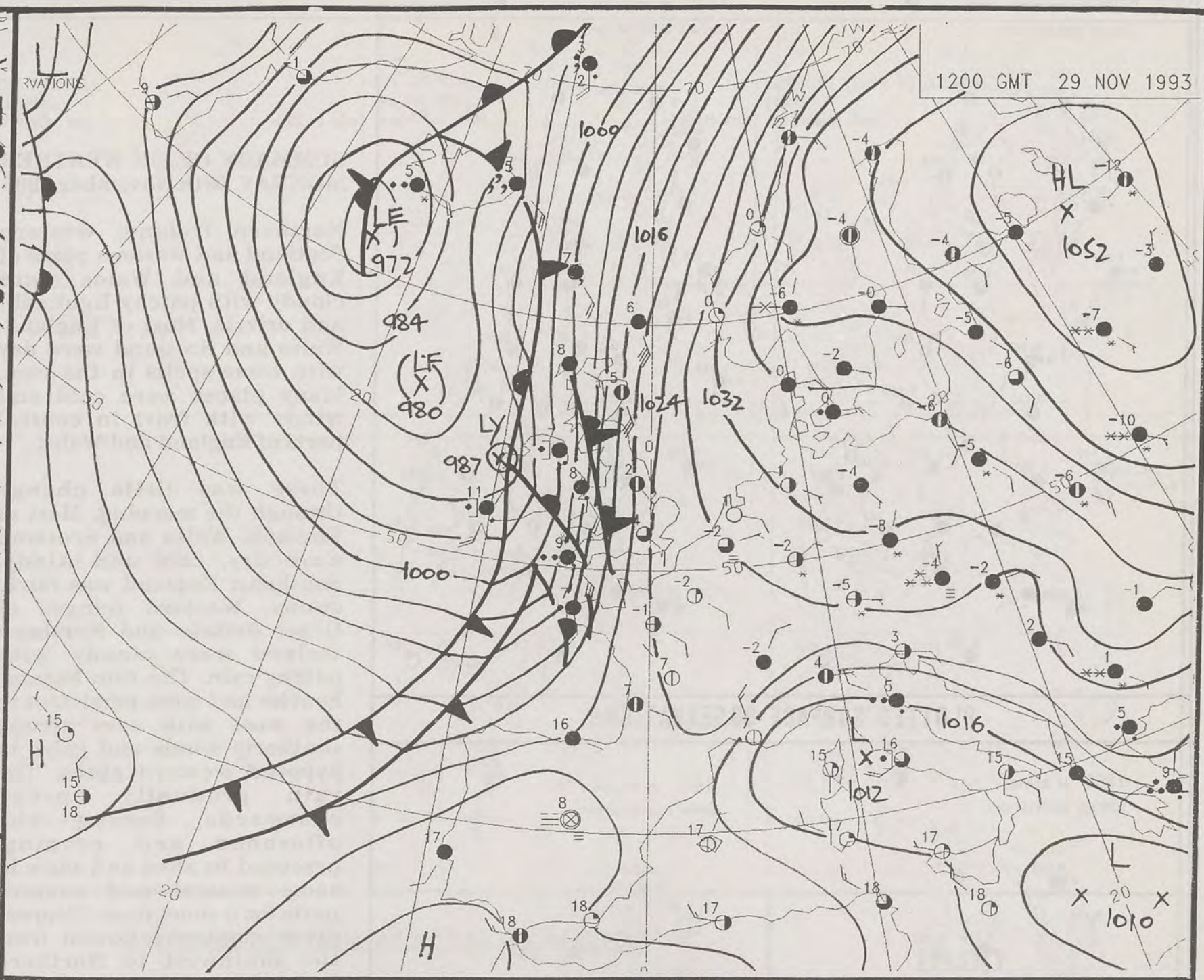
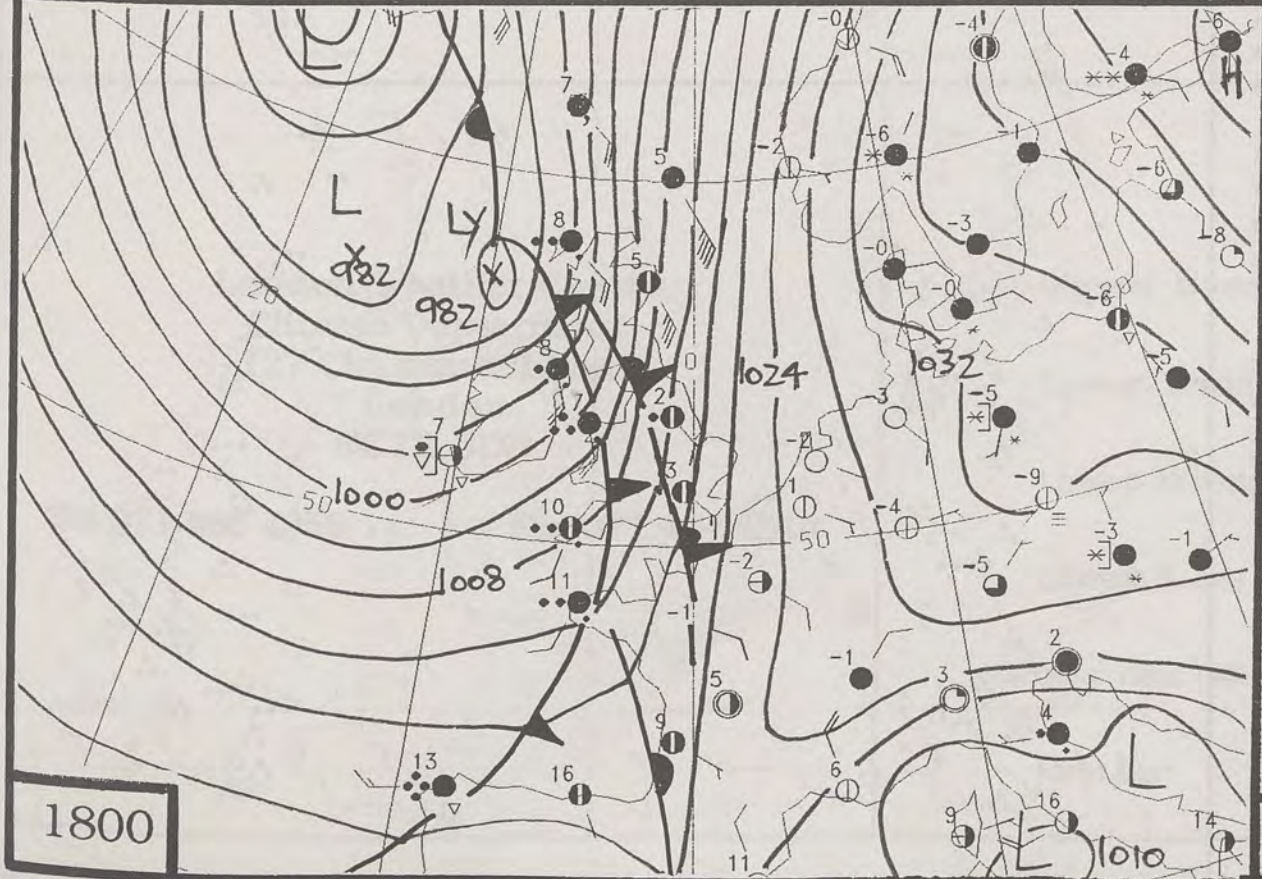
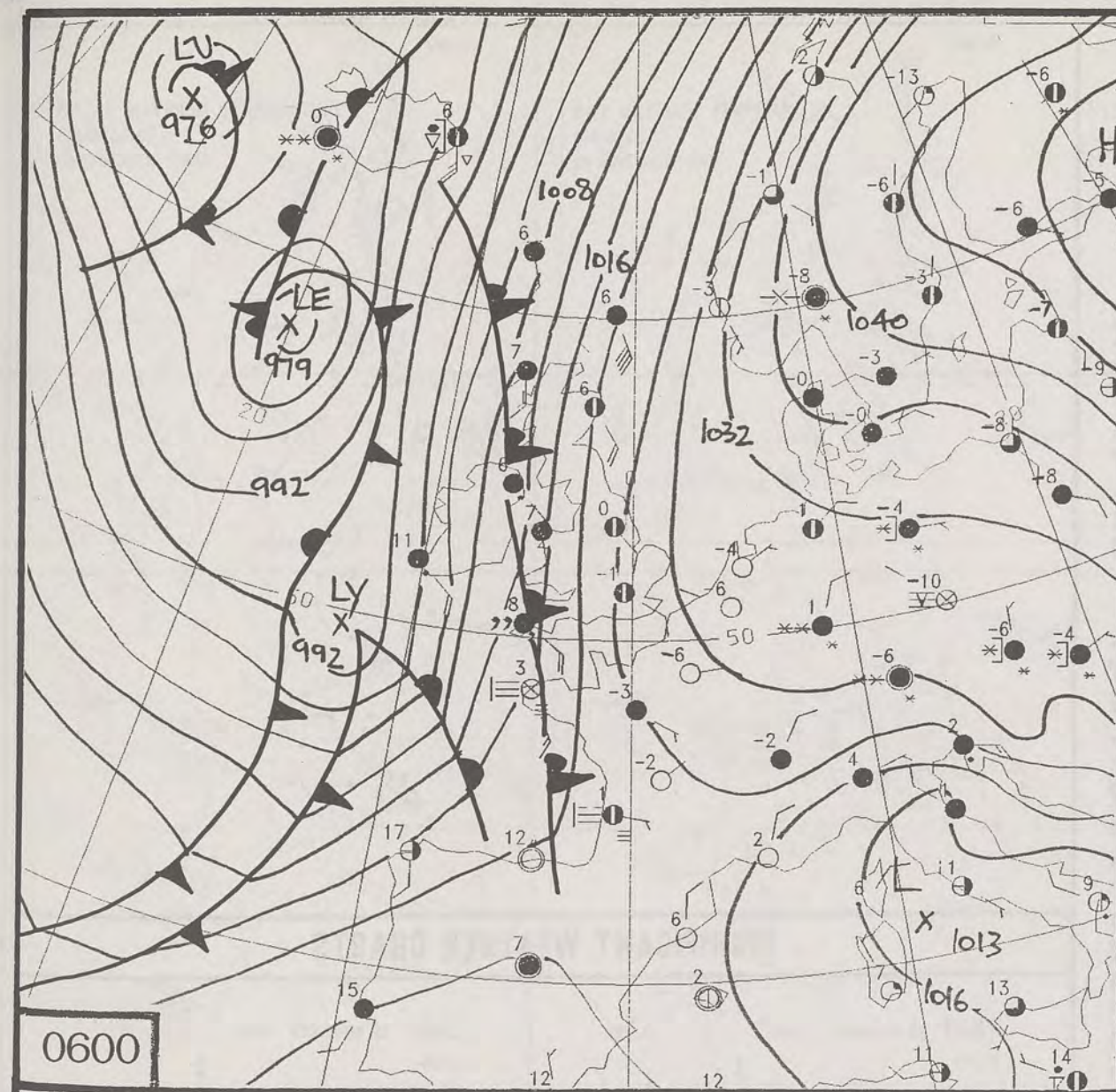


CLOUD-TOP OR LAND/SEA TEMPERATURE

COLD WARM



1000 0000 AND 1000000
PECKED LINE
1200 GMT
CHART 13
POLAR STEREOGRAPHIC PROJECTION
TIME 15-51-53



DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Monday 29th November 1993

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB



Warm front Cold front Occlusion

0600 29 NOVEMBER 1993
SURFACE OBSERVATIONS

Map showing surface observations at 0600 on 29 November 1993. The map covers the North Atlantic, including the British Isles, Iceland, and parts of North America and Europe. Numerous data points are plotted, each with a number and a symbol (solid circle, open circle, or circle with a cross). The numbers represent various meteorological parameters, and the symbols indicate specific observation types or conditions. The map shows a progression of weather systems from the west, with higher values (up to 10) in the northwest and lower values (down to -7) in the southeast.

1200 29 NOVEMBER 1993
SURFACE OBSERVATIONS

6 179

8 039

6 012

5 021

4 107

5 165

6 125

3 138

1 154

3 195

7 988

034

8 983

4 089

3 132

1 211

2 225

8 083

1 181

2 182

1 203

3 248

9 033

5 078

2 239

3 256

4 162

3 192

4 240

2 265

10 102

8 140

4 207

3 248

3 182

-1 257

1800 29 NOVEMBER 1993

SURFACE OBSERVATIONS

Map showing surface observations across the British Isles and surrounding waters. The map includes numerous data points represented by symbols (solid circles, circles with horizontal lines, circles with vertical lines, and circles with a cross) and numerical values. The observations are distributed across the region, with values ranging from -2,226 to 11,088. The map also shows the coastline of the British Isles and the surrounding waters.

Northern Ireland, western Scotland and western parts of England and Wales were cloudy with patchy light rain and drizzle. Most of England, Wales and Scotland were dry with clear spells in the east. Many places were cold and windy with frost in central parts of England and Wales.

There was little change through the morning. Most of England, Wales and Scotland were dry, cold and windy. Southeast England was fairly sunny. Western fringes of Great Britain and Northern Ireland were cloudy with patchy rain. The rain became heavier and more persistent in the west with very strong southerly winds and gales in exposed western areas. The rain gradually spread eastwards during the afternoon and evening, preceded by sleet and snow in some central and eastern parts for a short time. Clearer, drier weather followed from the southwest to Northern Ireland and southwestern parts of England and Wales during the evening.

Most places were cold, but temperatures in Northern Ireland, southwest England, west Wales and the far west of Scotland were near or a little above normal.

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0600 29 NOVEMBER 1993
SIGWX

[illegible]

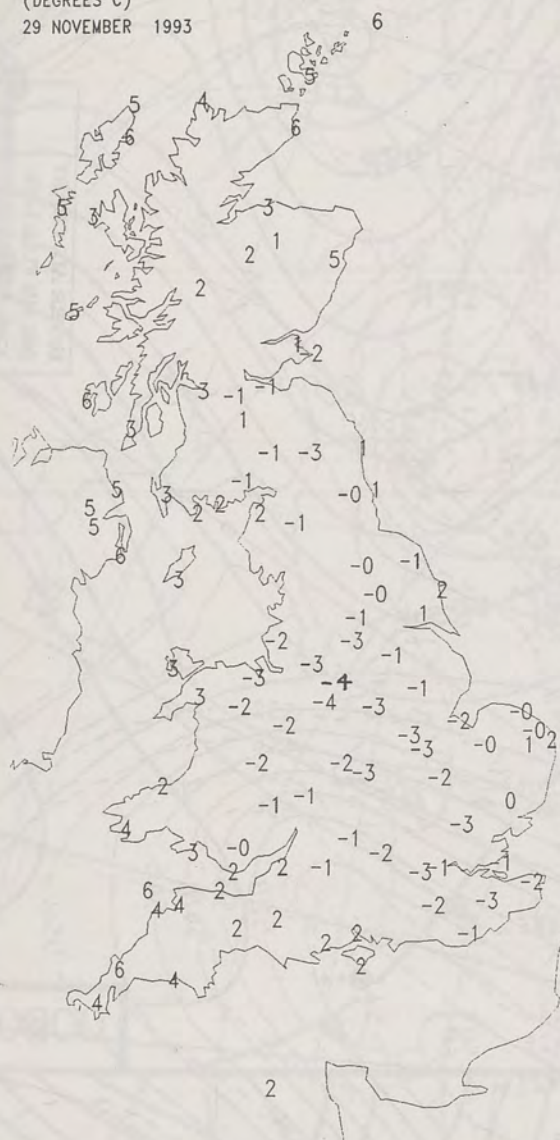
1800 29 NOVEMBER 1993

SIGWX

2400 29 NOVEMBER 1993

SIGWX

NIGHT MINIMUM TEMPERATURE
(DEGREES C)
29 NOVEMBER 1993



DAY MAXIMUM TEMPERATURE
(DEGREES C)
29 NOVEMBER 1993



NIGHT RAINFALL
(MILLIMETRES)
29 NOVEMBER 1993



DAY RAINFALL
(MILLIMETRES)
29 NOVEMBER 1993



SUNSHINE (DAWN TO DUSK)
(HOURS)
29 NOVEMBER 1993



EXTREMES FOR MONDAY 29TH NOVEMBER 1993

London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB

Tel 071 405 4358

Fax 071 404 4314

Highest Maximum	: 13.0 C Penzance [Cornwall]
Lowest Maximum	: 0.1 C Emley Moor [nr Huddersfield]
Lowest Minimum	: -4.0 C Buxton [Peaks]
Lowest Grass Minimum	: -7.4 C Shap [Cumbria]
Most Rain (24 hours from 0900 GMT)	: 27.1 mm Bastreet [Cornwall]
Most Sun	: 6.9 Hrs Folkestone [Kent]

All times are GMT

DAILY WEATHER SUMMARY

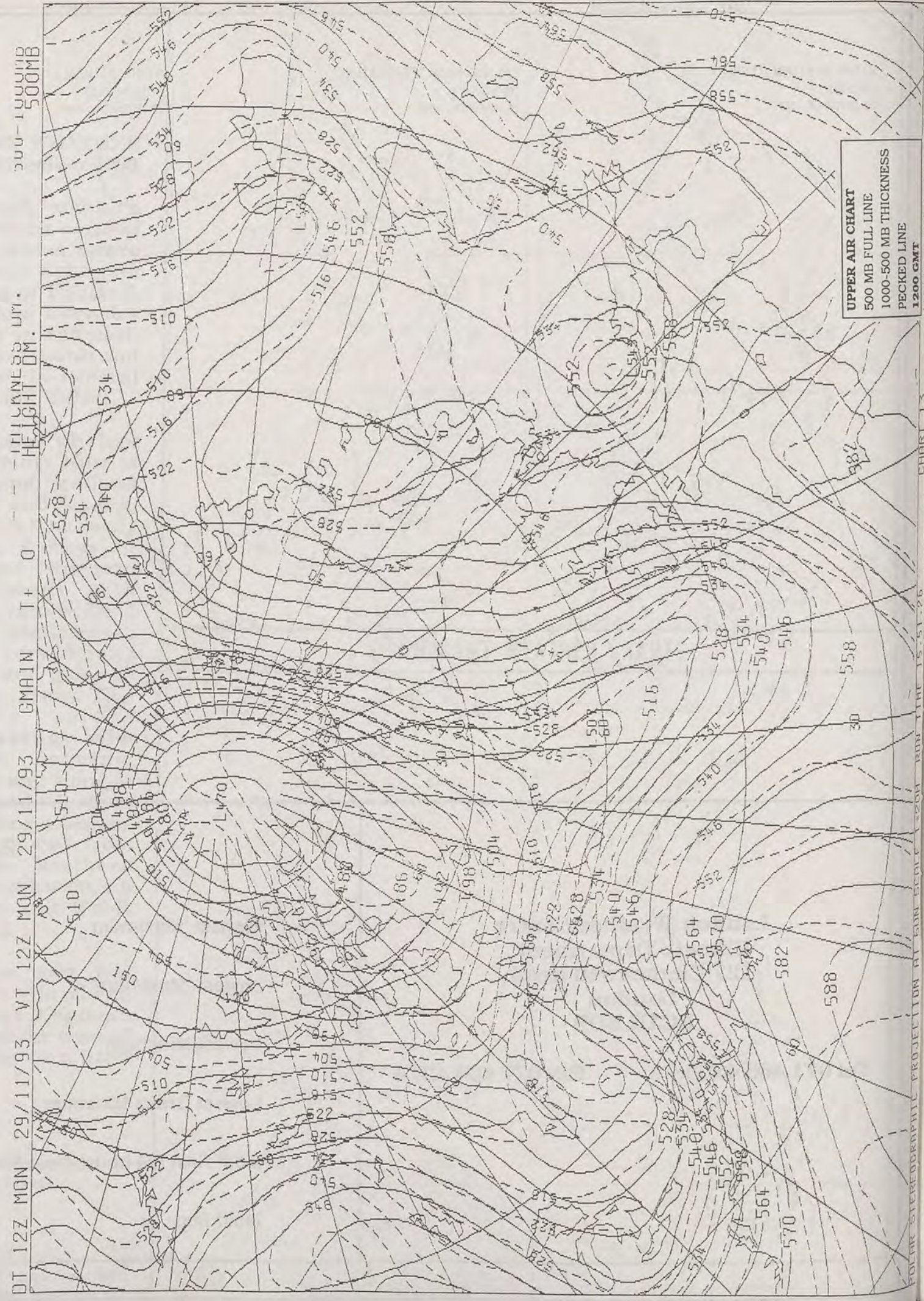


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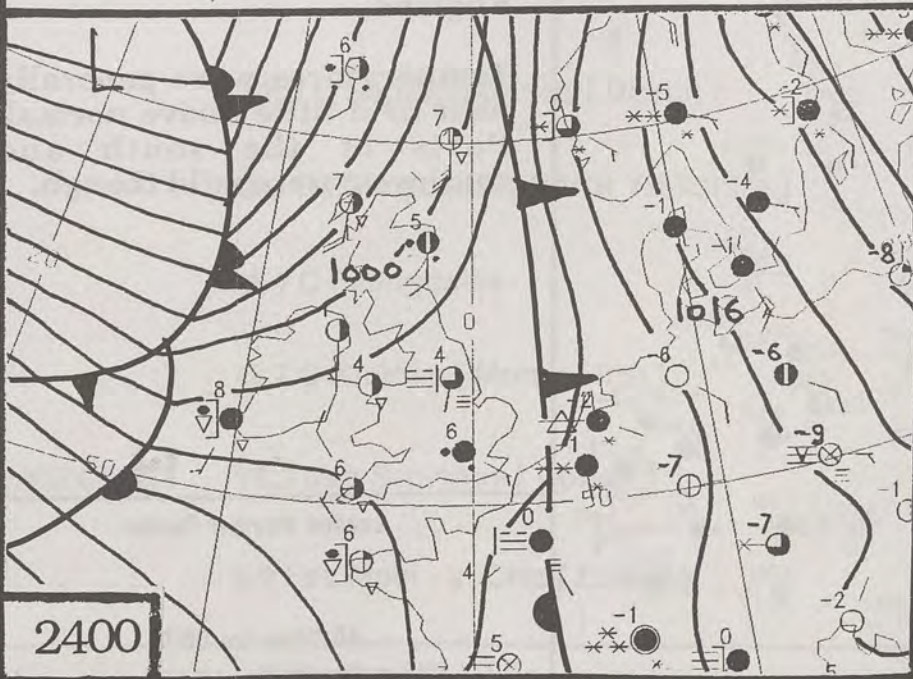
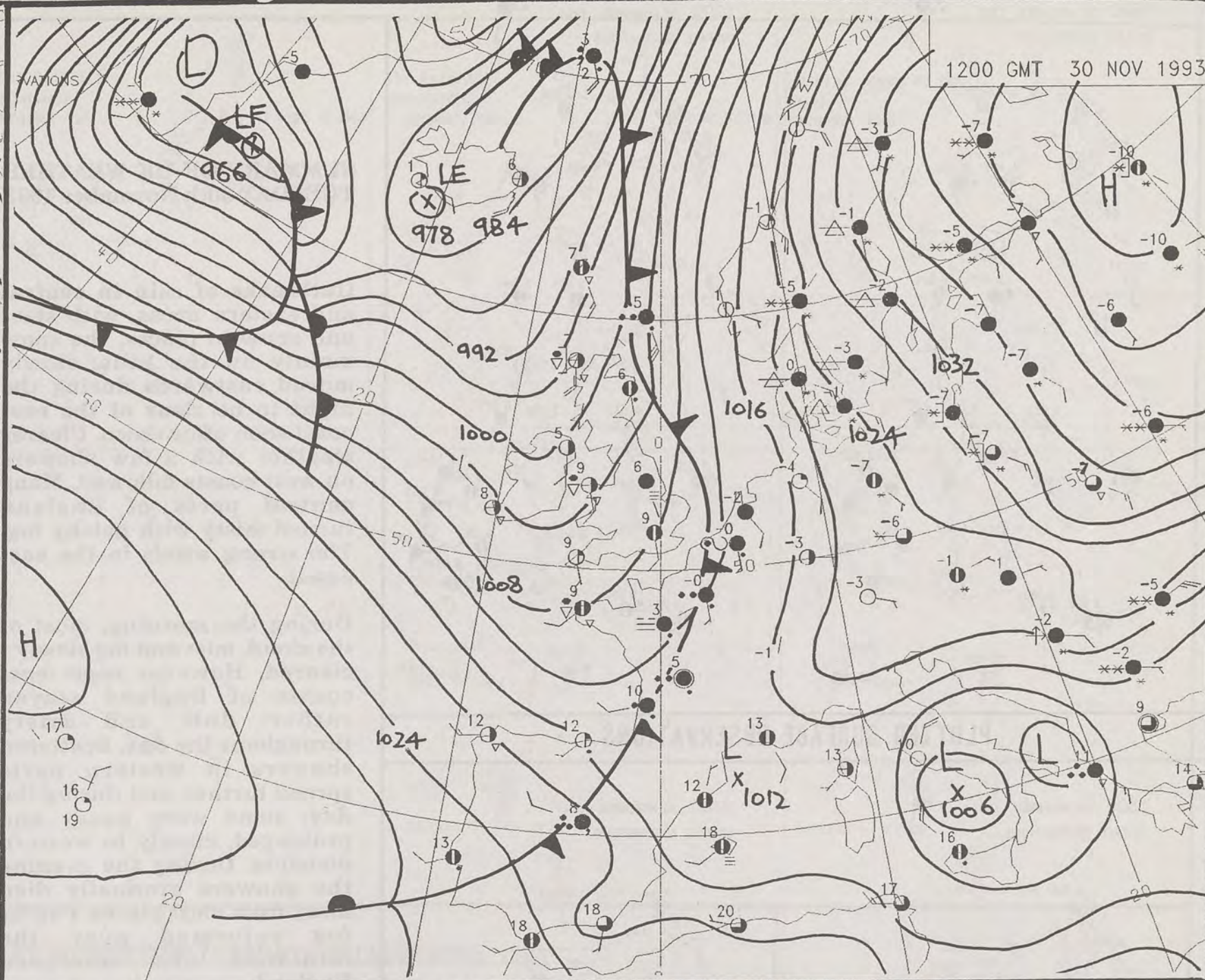
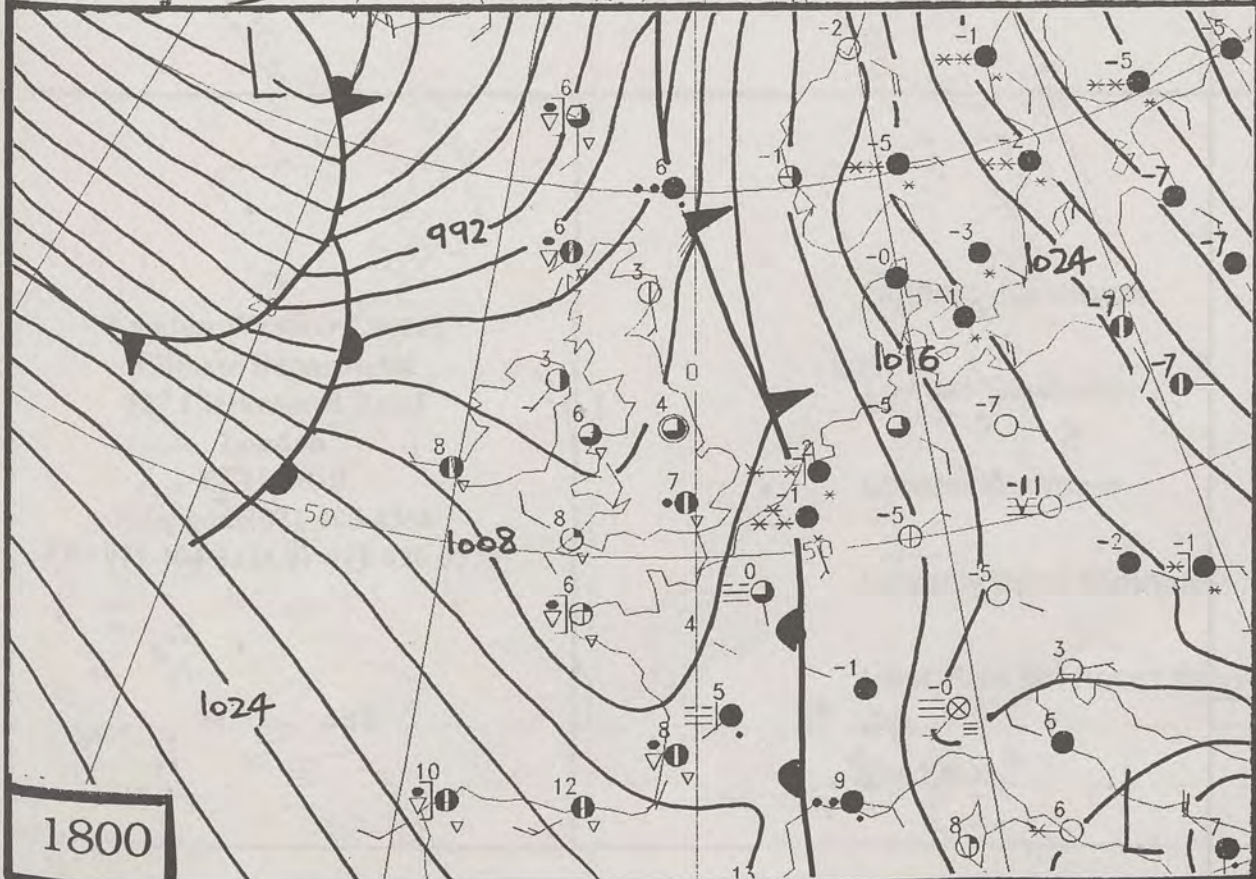
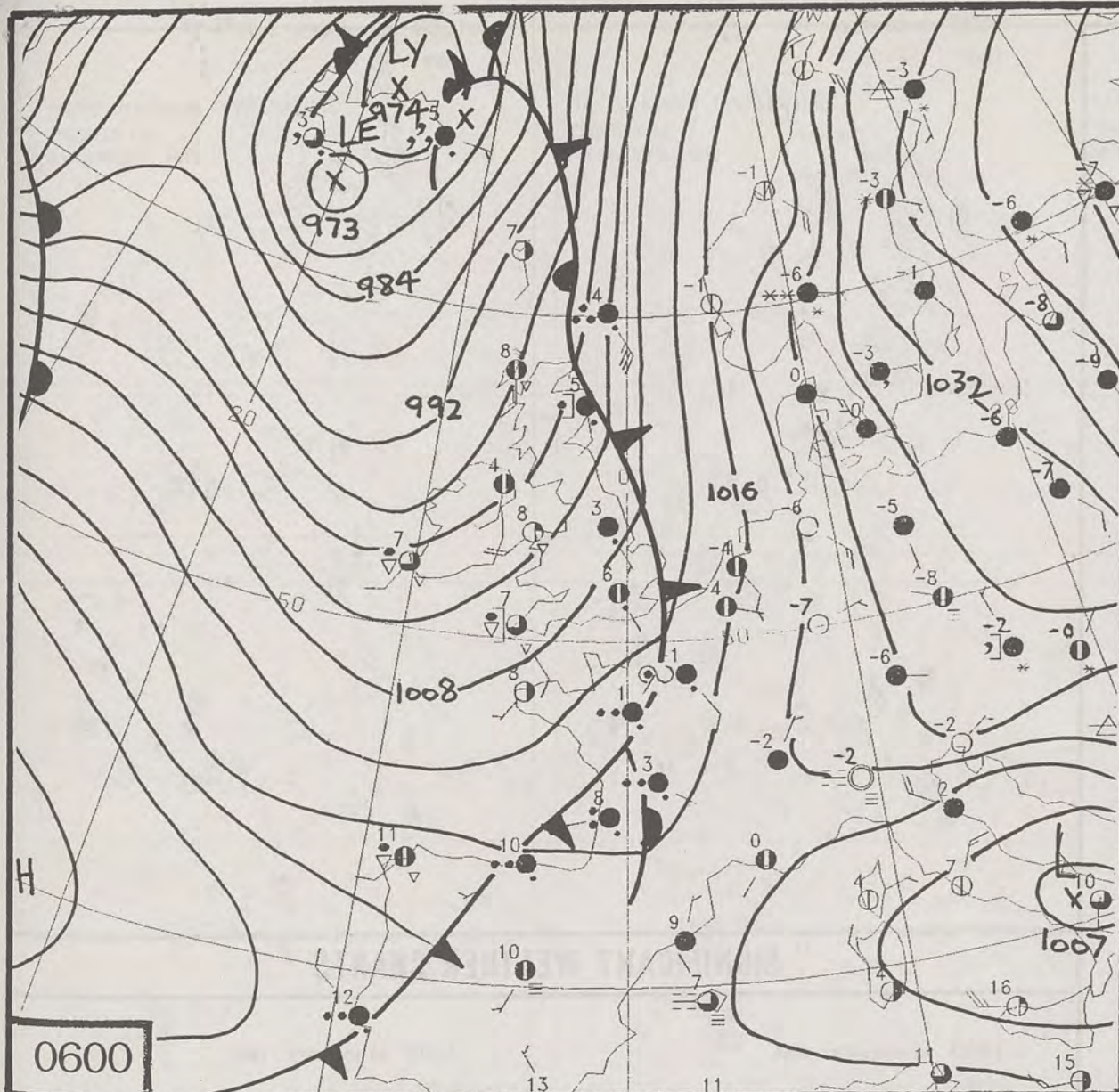
METEOSAT AT 12:00 GMT ON 29/11/93
INFRA-RED



CLOUD-TOP OR LAND/SEA TEMPERATURE
COLD WARM



1000-5000 MILES
PECKED LINE
1200 GMT
CHART 13
POLAR STEREOGRAPHIC PROJECTION AT 60°N
FOR THE 15°E-20°W



DUPLICATE ALSO
DAILY WEATHER SUMMARY
NOT FOR LOAN
Tuesday 30th November 1993

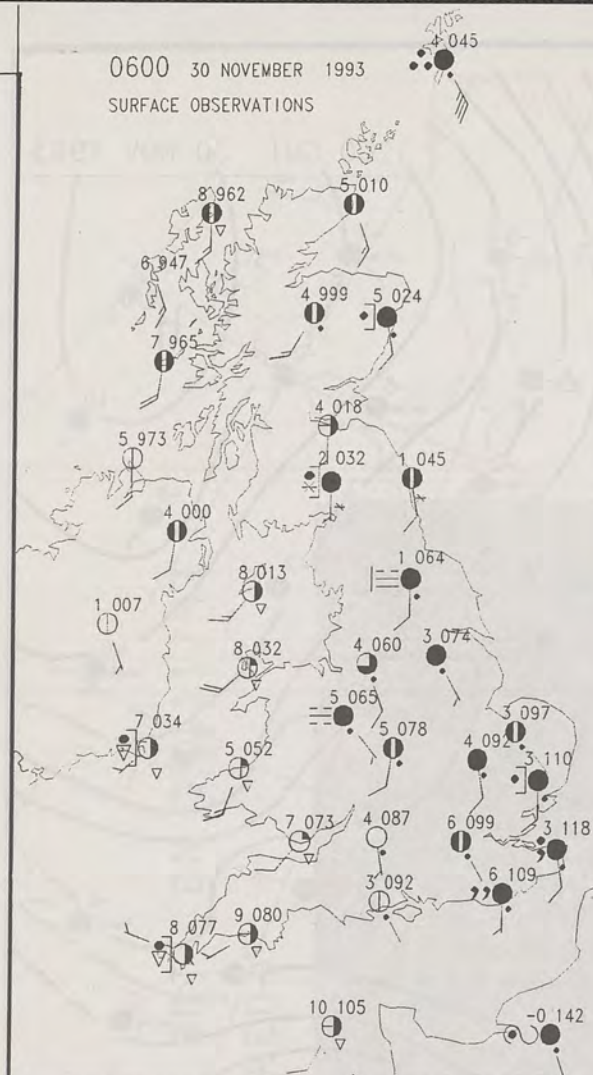
London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB



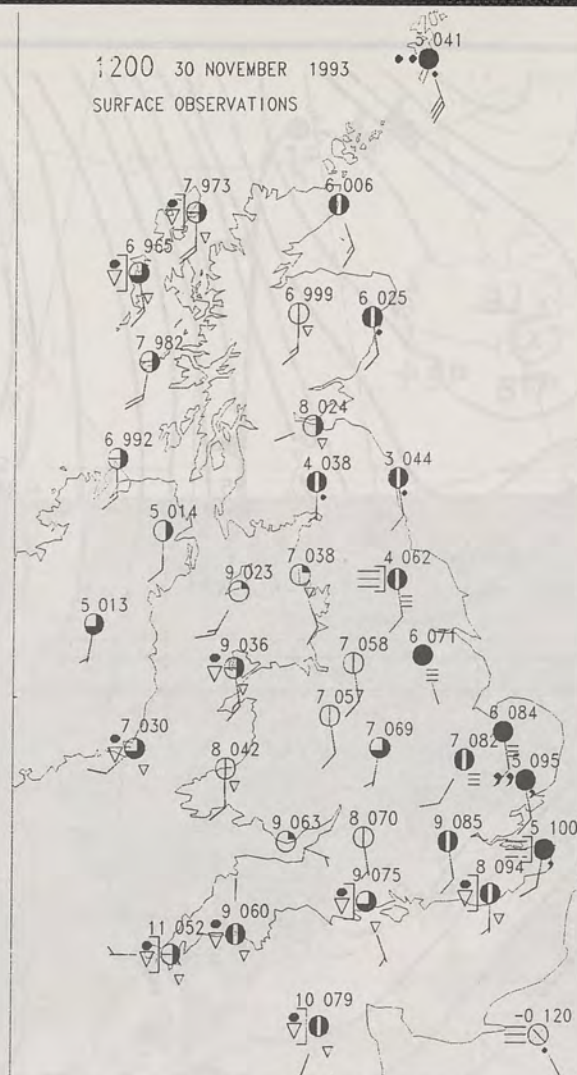
Warm front Cold front Occlusion

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0600 30 NOVEMBER 1993
SURFACE OBSERVATIONS

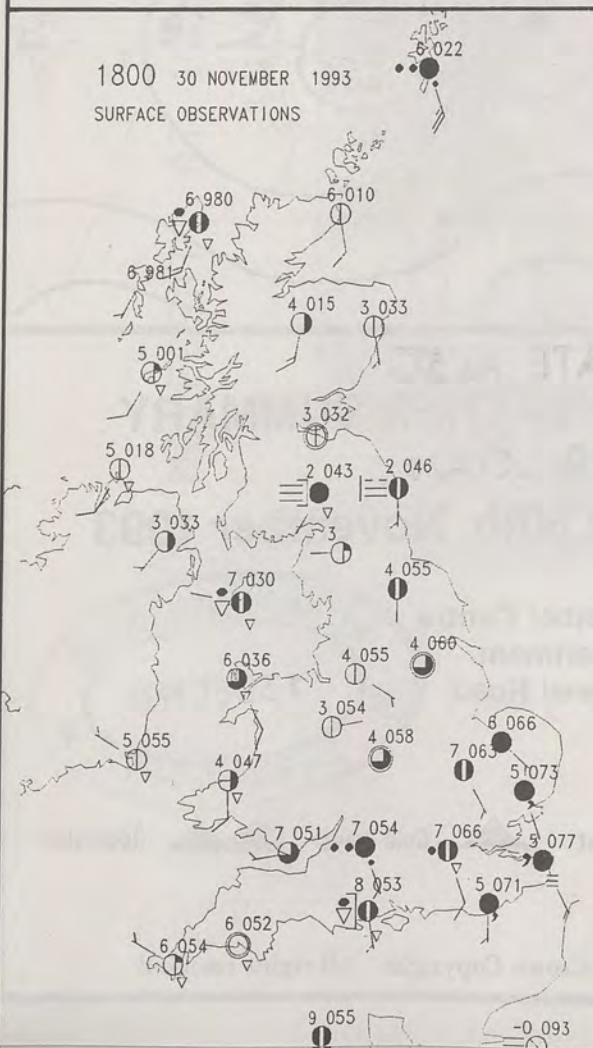


1200 30 NOVEMBER 1993
SURFACE OBSERVATIONS



PLOTTED SURFACE OBSERVATIONS

1800 30 NOVEMBER 1993
SURFACE OBSERVATIONS



2400 30 NOVEMBER 1993
SURFACE OBSERVATIONS



SUMMARY OF UK WEATHER TUESDAY 30th November 1993

Outbreaks of rain in central and eastern areas, with sleet and snow in places, the snow mainly on the hills, slowly moved eastwards during the night to be clear of the east coast soon after dawn. Clearer weather with a few showers on west coasts followed. Many central parts of England turned misty with patchy fog. The strong winds in the east eased.

During the morning, most of the cloud, mist and fog slowly cleared. However some east coasts of England stayed rather dull and misty throughout the day. Scattered showers in western parts spread further east during the day; some were heavy and prolonged, chiefly in western districts. During the evening the showers gradually died away from most places. Patchy fog reformed over the Midlands and northern England.

Temperatures were generally near or a little above normal. Parts of the south and southwest were mild though.

London Weather Centre

All times are GMT

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0600 30 NOVEMBER 1993
SIGWX



1200 30 NOVEMBER 1993
SIGWX



SIGNIFICANT WEATHER CHARTS

1800 30 NOVEMBER 1993
SIGWX



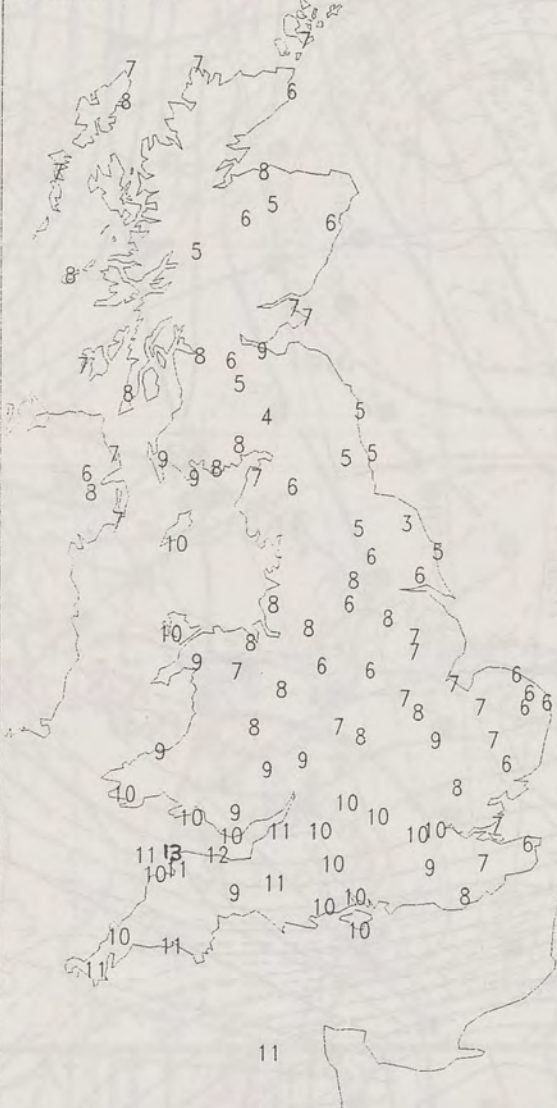
2400 30 NOVEMBER 1993
SIGWX



NIGHT MINIMUM TEMPERATURE
(DEGREES C)
30 NOVEMBER 1993



DAY MAXIMUM TEMPERATURE
(DEGREES C)
30 NOVEMBER 1993



NIGHT RAINFALL
(MILLIMETRES)
30 NOVEMBER 1993



DAY RAINFALL
(MILLIMETRES)
30 NOVEMBER 1993



SUNSHINE (DAWN TO DUSK)
(HOURS)
30 NOVEMBER 1993



EXTREMES FOR TUESDAY 30TH NOVEMBER 1993

Highest Maximum	: 12.6 C Saunton Sands [Devon]
Lowest Maximum	: 3.1 C Fylingdales [North Yorkshire]
Lowest Minimum	: -0.6 C Fylingdales
Lowest Grass Minimum	: -3.7 C Kinloss [Moray Firth]
Most Rain (24 hours from 0900 GMT)	: 17.3 mm Swanage [Dorset]
Most Sun	: 6.2 Hrs Moel - y - Crio [Clwyd]

All times are GMT

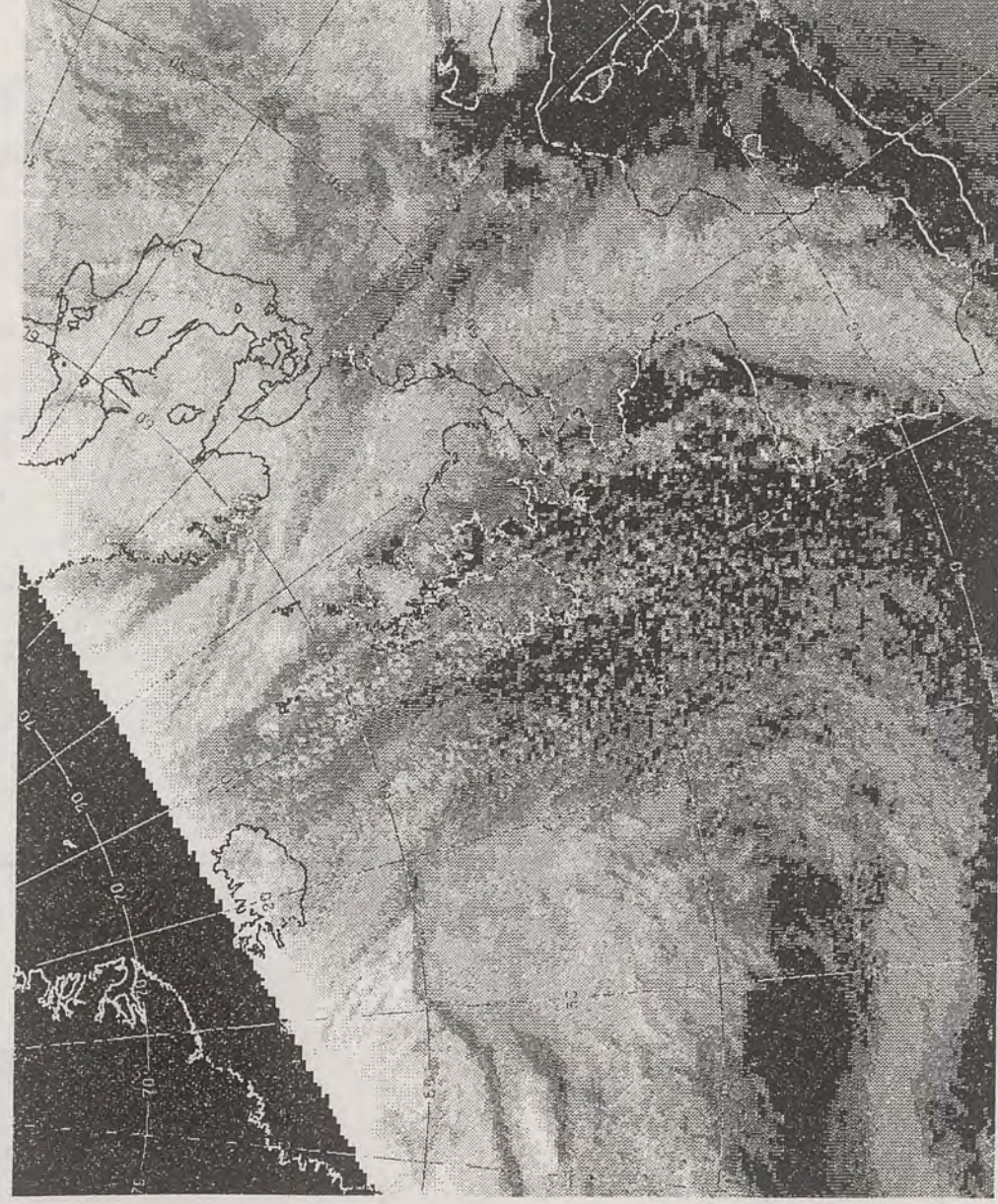
London Weather Centre
Climate Department
127 Clerkenwell Road
London
EC1R 5DB
Telephone 071 405 4358
Fax 071 404 4314 or 071 696 0571

DAILY WEATHER SUMMARY



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METEOSAT AT 12:00 GMT ON 30/11/93
VISIBLE



CLOUD THICKNESS
THICK THIN

