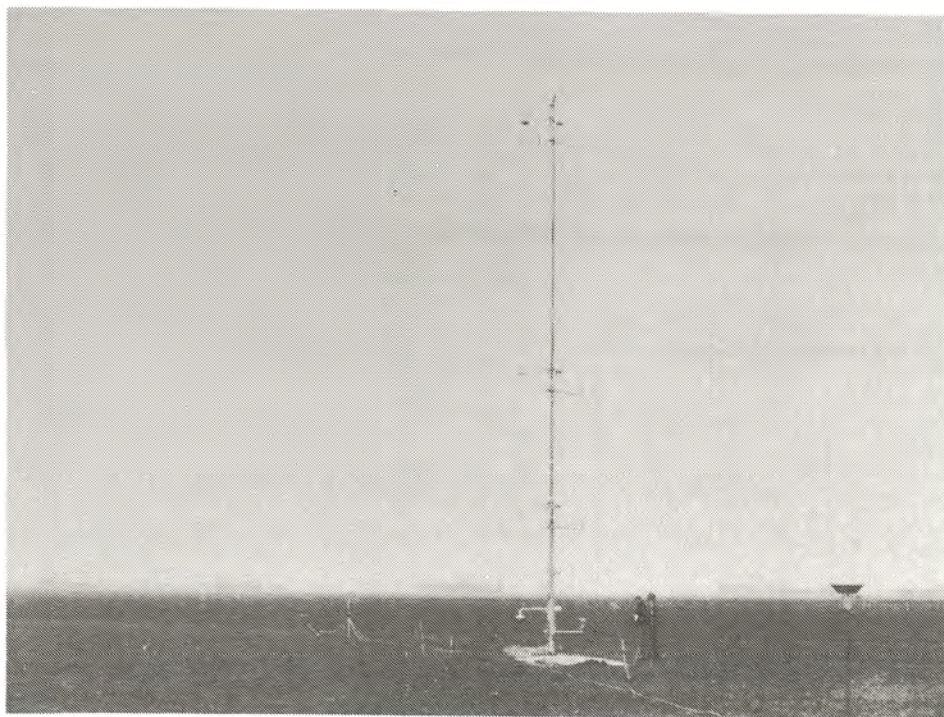




ATMOSPHERIC BOUNDARY LAYER FIELD
EXPERIMENT IN SWEDEN 1980
GOTEX II, Part I

by Kjell Ericson

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Abstract Data from a comprehensive atmospheric boundary layer experiment in southern Sweden are presented. The measurements were taken during some typical diurnal periods, featuring both convective, daytime regimes and nighttime stable conditions. The site is situated at Klockrike in southern Sweden. This is in an extremely flat district for being in Scandinavia, though the place must be considered as complex.						
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Atmospheric Boundary Layer Field Experiment in Sweden 1980,
part I

GOTEX II

1. INTRODUCTION

The demand of complete observations of the atmospheric boundary layer, when dealing with development of numerical models, is evident. Data from nordic latitudes are quite sparse, at least of the entire mixed layer. The present data were taken at latitude 58.45°N , where the inertial oscillation period is only 14 hours. A pilot experiment in 1977, GOTEX I (Ericson & Hårsmar, 1980), preceded the experiment reported in this paper. The GOTEX II was designed to capture most processes in the atmospheric boundary layer in an 'one-dimensional' sense (i.e. in the vertical direction).

GOTEX II was performed, in co-operation, by teams from the Swedish Meteorological and Hydrological Institute (SMHI), the Swedish Military Weather Service and the Department of Meteorology, University of Uppsala. The measurements were done during five consecutive days in the beginning of May, 1980. This paper reports compiled data from the surface layer, i.e. mean quantities of wind, temperature, humidity, net and global radiation and soil temperature. In addition rawinsonde data from the whole troposphere are given. In Bergström & Alexandersson (1981), Atmospheric Boundary Layer Field Experiment in Sweden 1980, part 2, the remaining part of data from GOTEX II is found. This means hourly mean wind profiles 0-2 km and some periods of turbulence measurements. Data are available on tape on request.

2. EXPERIMENTAL SITE

The site chosen for the experiment is situated in the southern part of Sweden (some 200 km southwest of Stockholm), see fig. 1. This is at the old bottom of Lake Ancyloss, in our days fertile farmland. The area is rather smooth, with scattered, minor groves. At the small village Klockrike one of the most flattest places in Sweden is situated. The site for this experiment is shown in fig. 2. In the sector 045° - 110° from the main meteorological tower an area with scattered buildings and trees some 600 meters away creates the most disturbed fetch. In this sector the two mobile trailers, containing all data acquisition equipment, were placed 50 meters away from the tower. The tower itself will also affect the wind measurements in this sector (cp. section 3.1.2 and 10).



Figure 1
Map of Southern Sweden

The regional, overall topography in the west-east and north-south directions is shown in fig. 3. It also shows an estimate of the land-slope affecting the site, i.e. $6.7/10\ 000$ in west-east direction, and $28./10\ 000$ to the south.

The coordinates for the site are $53^{\circ}\ 28'N$ and $15^{\circ}\ 22'E$, and the height above mean sea level is around 70 meters. Local time is used throughout, being one hour ahead of Greenwich mean time (GMT+1) and very close to true solar time.

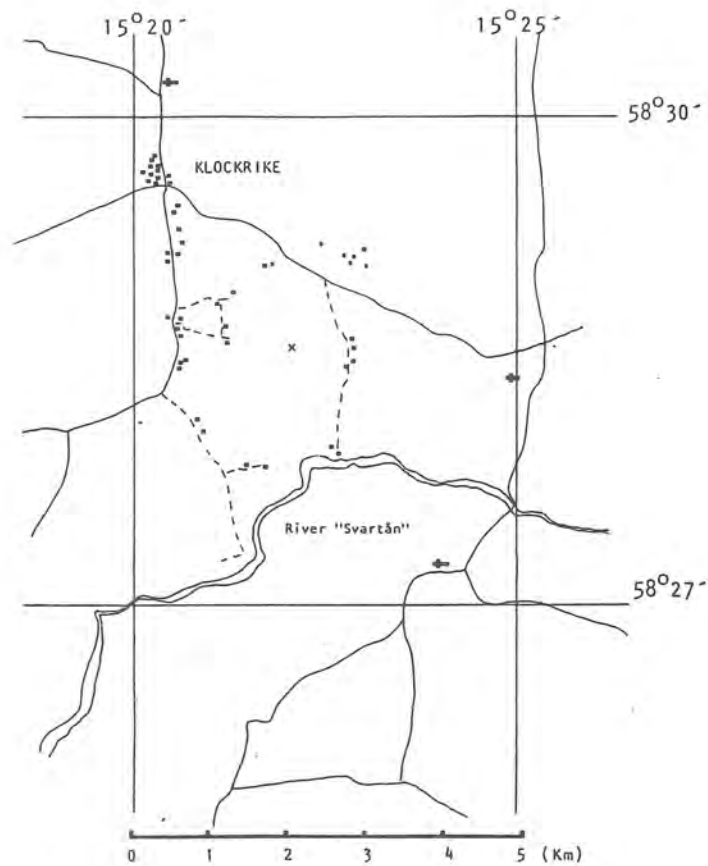


Figure 2

The location of the site (indicated by x) and the nearest surroundings

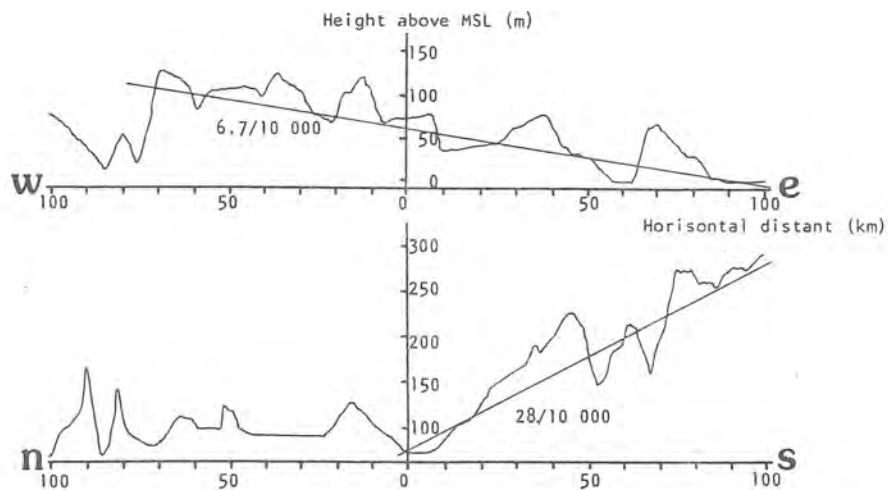


Figure 3

Topographic cross-sections ± 100 km from the site. The west-east section indicates an overall slope of 6.7/10 000 while the north-south section shows almost no inclination to the north, but 28./10 000 to the south

3. INSTRUMENTATION

3.1 Surface layer mean quantities

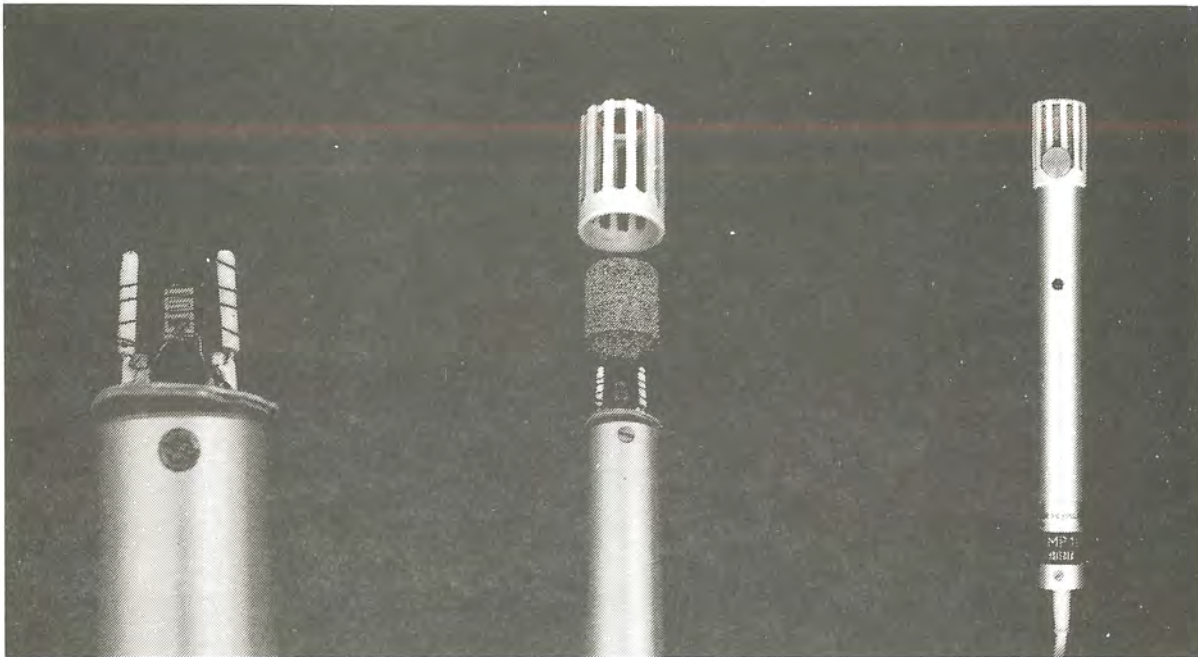
An 18 metres high telescope mast carrying five levels of instruments was used. At each level temperature, humidity and windspeed were measured and, in addition, at the top wind direction. South of the mast sensors for net and global radiation were placed, and buried in the soil six temperature probes at different levels.

3.1.1 Wind direction was measured at the top of the 18 metres tower, using a Lambrecht model 1466 windvane (with potentiometer). The resolution is estimated to $\pm 1^\circ$ and the damping ratio to approximately 0.25.

3.1.2 Windspeed. Five Teledyne model 1564B anemometers with 'staggered six' cups were placed at 17.00, 8.50, 4.25, 2.13 and 1.06 metres above ground. They were mounted on booms, 1.5 metres out from the tower and pointing in direction 270° . The absolute accuracy of this instrument can be estimated to $\pm 4\%$ for laminar flow. The error relative a standard in windtunnel is for all the sensors $\pm 2\%$. The threshold is 0.18 m/s and the distant constant 1.0 metre.

3.1.3 Temperature. At the same levels as the anemometers Teledyne aspirated radiation shield model 327 were mounted, pointing 090° . The temperature probes used were Rosemount Pt-100, of which the accuracy is 0.05K, including radiation errors in this configuration.

3.1.4 Humidity. Vaisala Humicap HMP 11 probes were used to measure relative humidity at the same levels as temperature and windspeed. A great effort was put in to calibrate the sensors and to make them stable. Previous long term tests in a climate chamber had shown that the instrument does not stand outdoor environment, especially not at high humidity. To overcome this problem, the sensors were modified. Inside the sintered filter, which is used to protect the sensor from dust and which also reduces the response time, a heat-spiral was mounted (see fig. 4). The volume surrounding the sensor is about 2 cm^3 . As a prevention of the instrument, the air inside the filter was heated for a few minutes between each period of data-sampling. It was then allowed to adjust to atmospheric conditions again through the ventilation inside the radiation shield. The time periods needed for this were thoroughly tested in the climate chamber. These periods became a constraint to the sampling periods, both to their extension and frequency.



a)

b)

c)

Figure 4

Picture a) shows the heating spiral around the sensor
 b) is an overview of the sensor and the sintered filter and
 c) shows the entire Vaisala Humicap probe.

Other efforts to increase the accuracy of the measurements were also made. Frequently during the experiment a sixth instrument was lifted to each level for intercomparisons. After the experiment all six instruments were mounted side by side on one boom and data were sampled for another 24 hour period. Each instrument was calibrated before and after the experiment in the climate chamber against SMHI's normal, a Cambridge Dew Point Hygrometer Model 110 SM.

The relative accuracy of this equipment can then be estimated to $\pm 2\%$ relative humidity.

The tower-sensors can be seen in figs. 5 and 6.

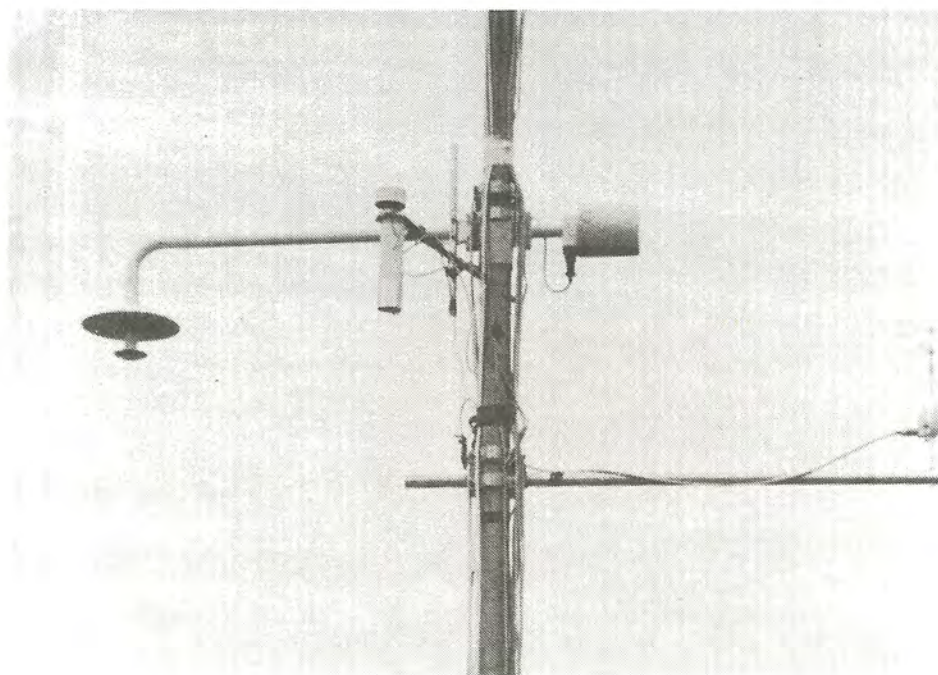


Figure 5

One level of instruments on the telescope mast, i.e. a Teledyne radiation shield with a PT-100 sensor (temperature), another radiation shield containing the Vaisala Humicap (humidity) and a Teledyne 'staggered six' anemometer (windspeed)

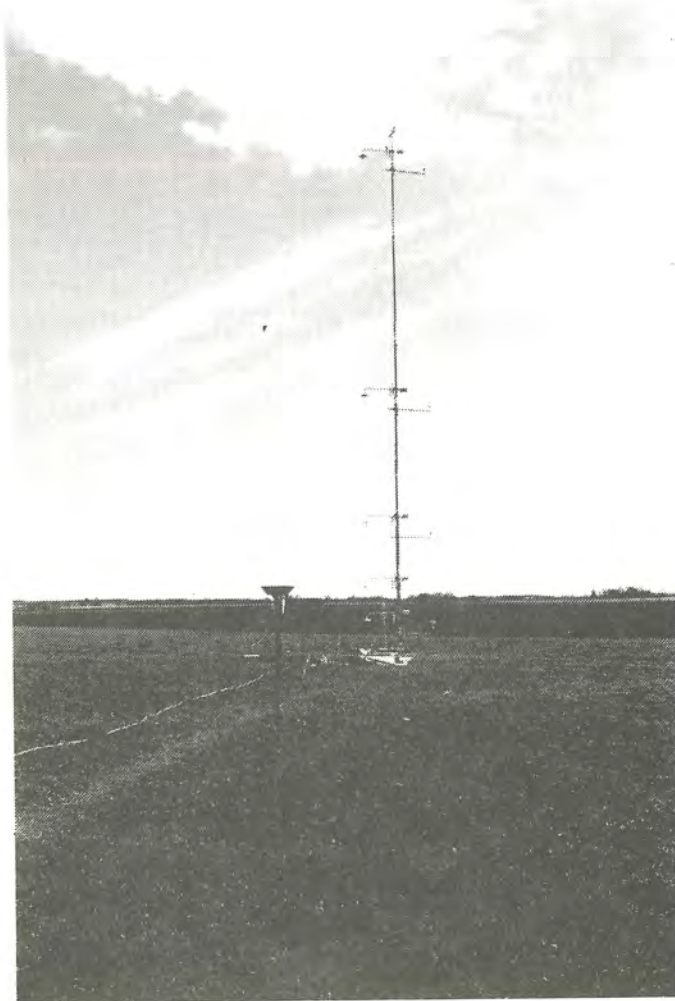


Figure 6

An overview of the surface layer profile mast. In the foreground a rain gauge.

3.1.5 Net radiation. South of the tower net radiation was measured using a Siemen Ersking Net Radiometer mounted one metre above ground, with $\pm 7\%$ accuracy. (See also fig. 7).

3.1.6 Global Radiation. To measure global radiation we used a Moll Gorzinski Pyranometer mounted on a 2 metres high rod. This instrument was also placed south of the profile tower (see front cover). Its accuracy is $\pm 4\%$.

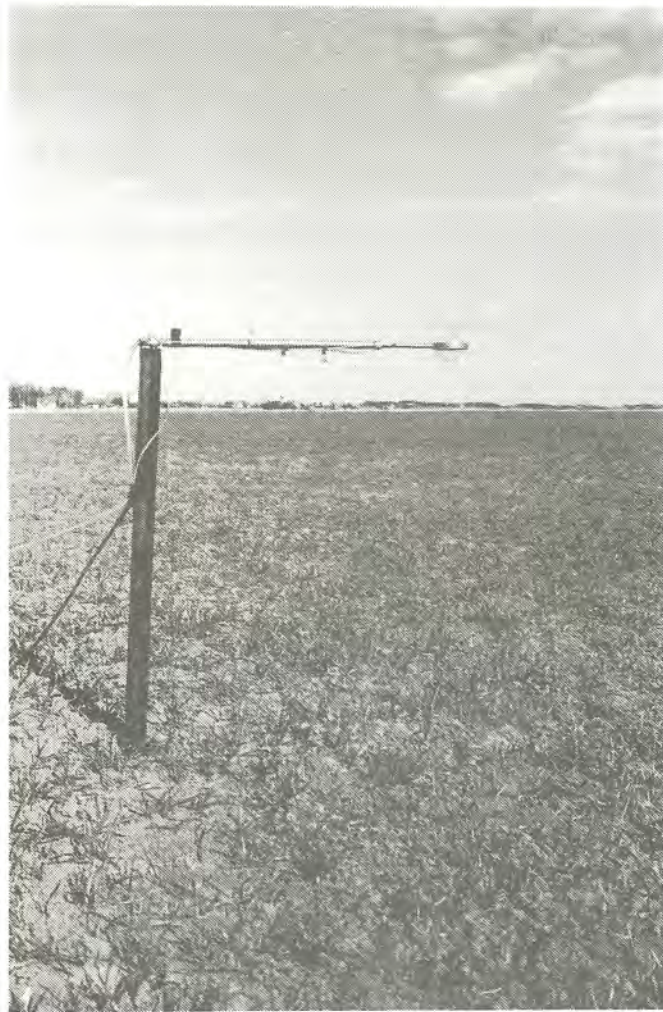


Figure 7

The Siemen Erskin Net Radiometer placed over the sparse crops at the site

3.2 Soil measurements

3.2.1 Soil temperature. To measure the temperature profile in the soil, six Rosemount Pt-100 sensors were burried at 0.0, 0.02, 0.045, 0.10, 0.23 and 0.51 metres deep. They were inserted into untouched soil horisontally from beside. The uppermost sensor, at the soil/air interface, will generally not measure the true surface temperature due to radiation influences and the finite size of the sensor. The absolute error is ± 0.05 deg.

3.2.2 Soil heat flux measurements became a failure. This was because we were unable to get proper heat flux discs delivered in time. The two probes used were not designed for this application, and the measurements we got showed unacceptable discrepancies.

3.2.3 Soil water content, $W(\text{mm})$, has been calculated as follows: Twice a day, around 0600 and 1600 LT, three cylinders of soil, 0.18 metre deep and area $3.75 \times 10^{-5} \text{ m}^2$ were taken from the soil top layer at the site. By gravimetric and glowloss methods the water content and fraction of organic matter were determined and converted to volumetric basis by the appropriate bulk density. The water content data have been smoothed, such that

$$W^t = (w^{t-2} + 2w^{t-1} + 3w^t + 2w^{t+1} + w^{t+2})/9 \quad (1)$$

where w^t is the mean of the three soil-cores taken at time t .

The method itself contains many sources of errors, but the data given here are estimated to be accurate within 8%.

The smoothed water contents represent an estimated, relative accuracy of $\pm 1 \text{ mm}$. Another question of interest, however, is what the physical significance of these data is. This is discussed further in 9.3. The soil water contents are given in fig. 8 and are included in the tables in App. A.

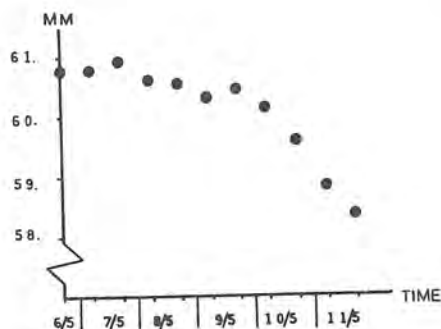


Figure 8
Soil water content as function of time

3.3 Data acquisition system.

A Compulogg II computerized datalogger was used to sample, integrate in time and digitize all output signals. Storage medium was magnetic tape. To get two values per hour, all output signals were sampled once per 10 seconds for 20 minutes, centered around each half hour. This does not apply to soil temperature, for which only one instantaneous value is used. The missing 10 minutes between each scanning period were used to restore the humidity sensors (see section 3.1.4). After compiling, mean values and variance were stored. Errors originating from the datalogger are of one or more orders of magnitude smaller than those created by the sensors.

4. EKMAN LAYER MEASUREMENTS

Every third hour a slow-ascent rawinsonde flight was made (ascent rate 150-200 m/minute). The system used was the Vaisala Cora system, which uses the Omega navigation network (for tracking) and Vaisala RS21 sondes. The output, stored on tape, gave pressure, wind, temperature and humidity throughout the troposphere although our main interest was focused on 0-3 km. The vertical resolution of pressure, temperature and humidity is fairly good (~30 m), while for the wind it is unsatisfactory for this application. That is why pibal tracking also was performed (see Bergström & Alexandersson, 1981). The quality of rawinsonde wind-data compared to pibal smoothed data is, however, noticeable good. The RS21 equipment is rather conventional; an aneroid (accuracy ± 1 mb) for pressure, a bimetal ($\pm 0.4^\circ$) for temperature and a humicap hygrometer ($\pm 3\%$) for relative humidity. The data are presented in diagrams in appendix B, but are also available on magnetic tape on request.

5. OTHER OBSERVATIONS

Hourly synoptic observations were made of the standard elements. Usual routine instruments were used. This information is incorporated in the data tables in appendix A.

6. EXPERIMENTAL PROCEDURES

The GOTEX II experiment was planned to contain 5 consecutive days of measurements. All the personnel and equipment were available only the two first weeks in May and this limited the choice of synoptic situation. In order to capture the typical diurnal cycle, we were anxious to measure in a synoptically undisturbed period, if possible. According to available forecasts May 6-11 was finally decided.

7. SYNOPTIC SITUATION

In figure 9 the month preceding the experiment is summarized. Data are taken from the synoptic stations in the vicinity of Klockrike. In the middle of April cold air from the north brought some snow. On April 20 and onwards a high pressure dominated the weather. On April 24 air moved over the Baltic Sea from the east, bringing some heavy rain. This situation persisted for some days. May started with high pressure and rising temperature.

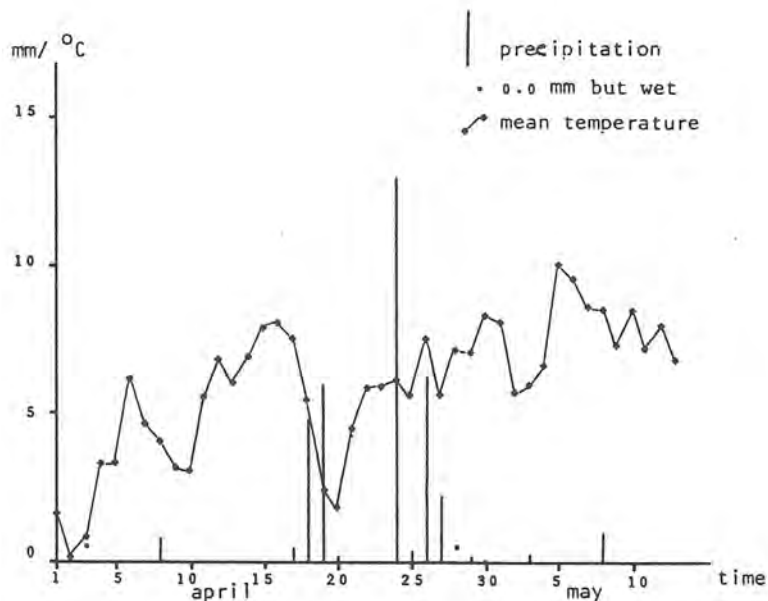


Figure 9

Mean temperature and observed precipitation amounts in April and the beginning of May. The values are representative for the district around Klockrike

On May 6, the start of the experiment, a minor high pressure over the Baltic Sea dominated the district, fig. 10.

The rather inactive front zone off the coast of Norway and a minor low over mid-west Europe move towards the North Sea. As times goes by, the eastern high moves further eastwards still dominating the weather on May 7. The European cyclone activates over Denmark, getting contact with the front from Norway. This low pressure system moves steady northwards, and a first weak occlusion front passes Klockrike around 1000 on May 8, bringing some very light drizzle (0.5 mm). The frontal system is visible in the temperature field some km over Klockrike already in the afternoon the day before (fig. 11),

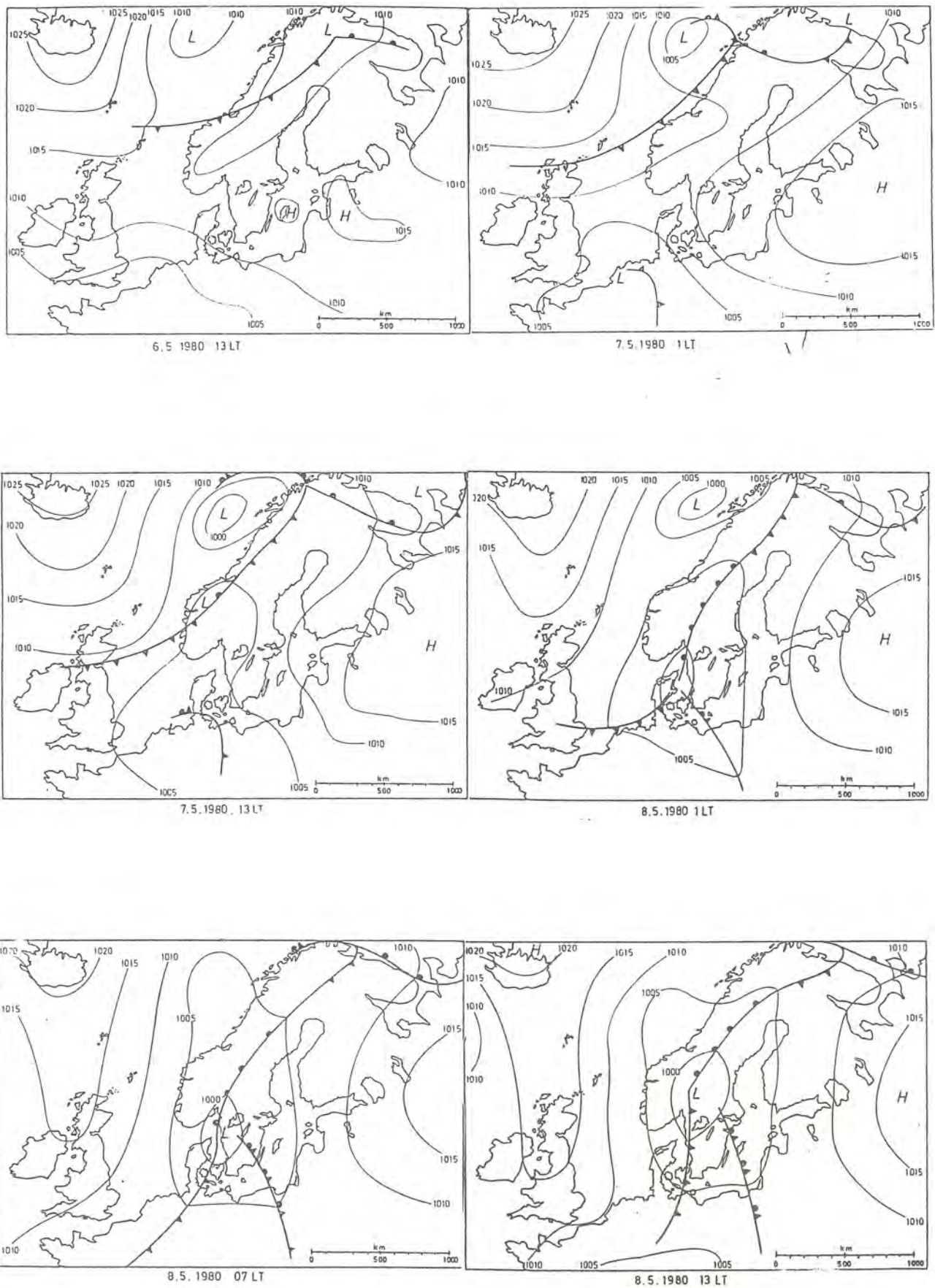


Figure 10

Surface weather maps (By courtesy of Alexandersson & Bergström)

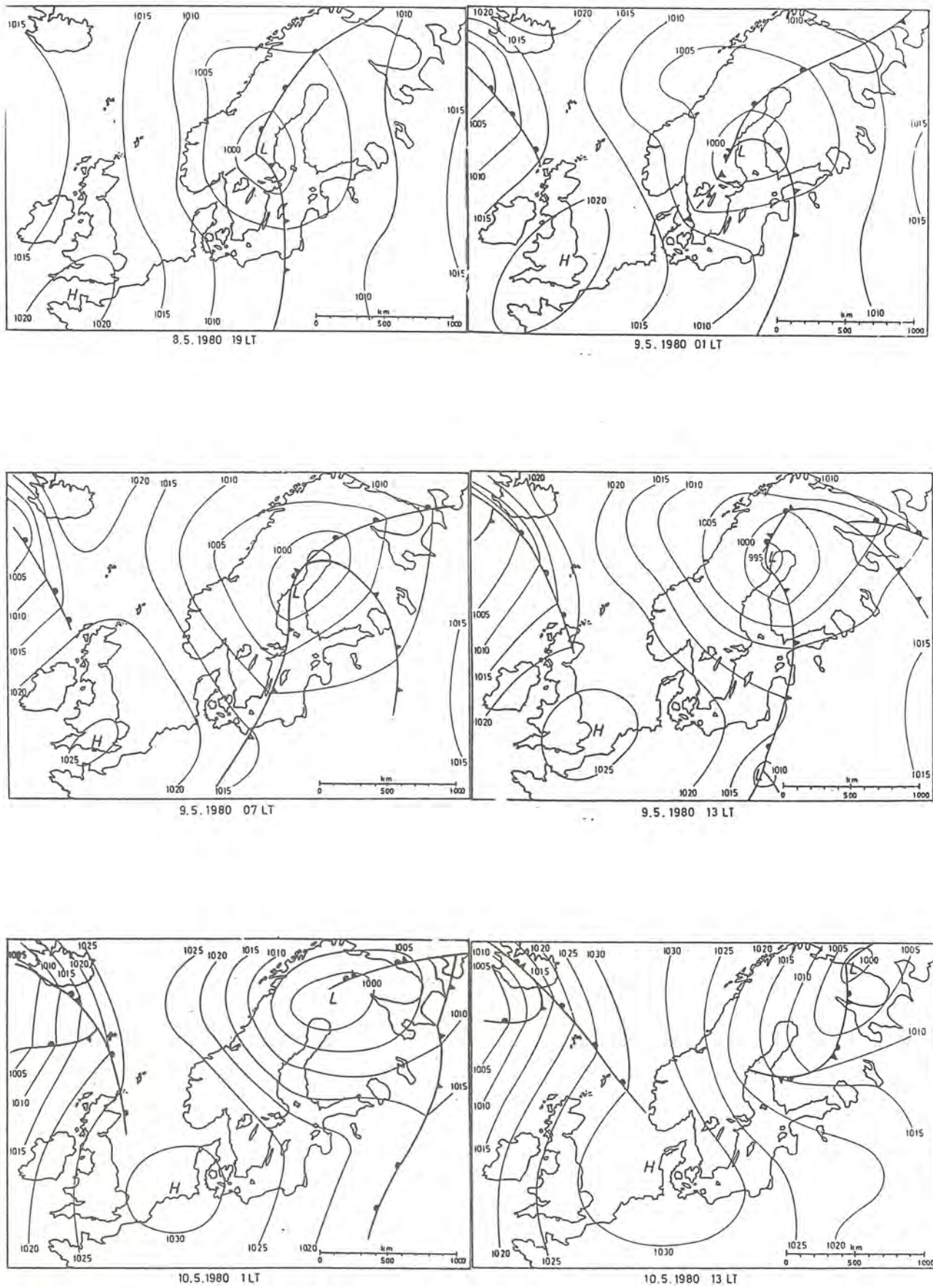


Figure 10
continuation

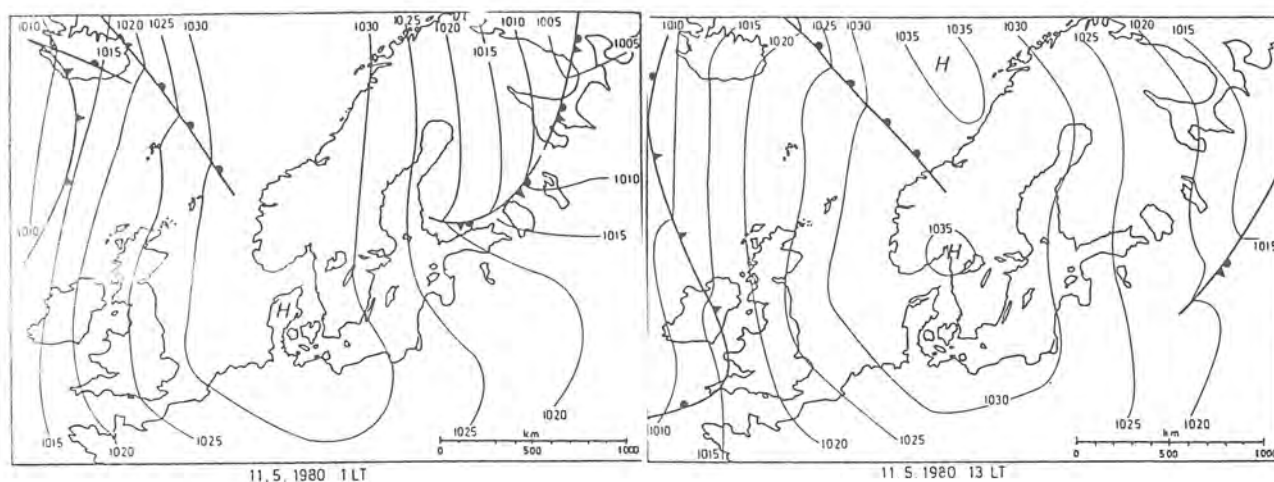


Figure 10
continuation

During the afternoon it is followed by another cold-front, though rather weak. Some cumulonimbus and light showers show up after the passage at 1615, accompanied by wind wearing. In the early morning, May 9, a marked trough with a pseudo-front passed at 0350. It is not very marked in the temperature field (fig. 11) but the wind changed drastically.

This system brought a lot of snow or rain to southern Sweden during its way northwards. At Klockrike, however, the total amount of rain that fell from all these three system was less than 1 mm. The topography, shown to some extent in fig. 3, often weakens the precipitation in this district (when coming from the south or southwest) by foehn. Meanwhile, a high formed over Great Britain moves towards Scandinavia. The strong north-westerly to northerly winds, which took over behind the northgoing low, gradually weaken. The period ends on May 11 with the high pressure centre near Oslo. Fig. 11, the height-time cross section of rawinsonde temperatures, indicates a subsidence inversion the last two days. It starts at high altitude at noon, May 10, and gradually increases in strength and subsides. On May 11 it is found just above 2 km height.

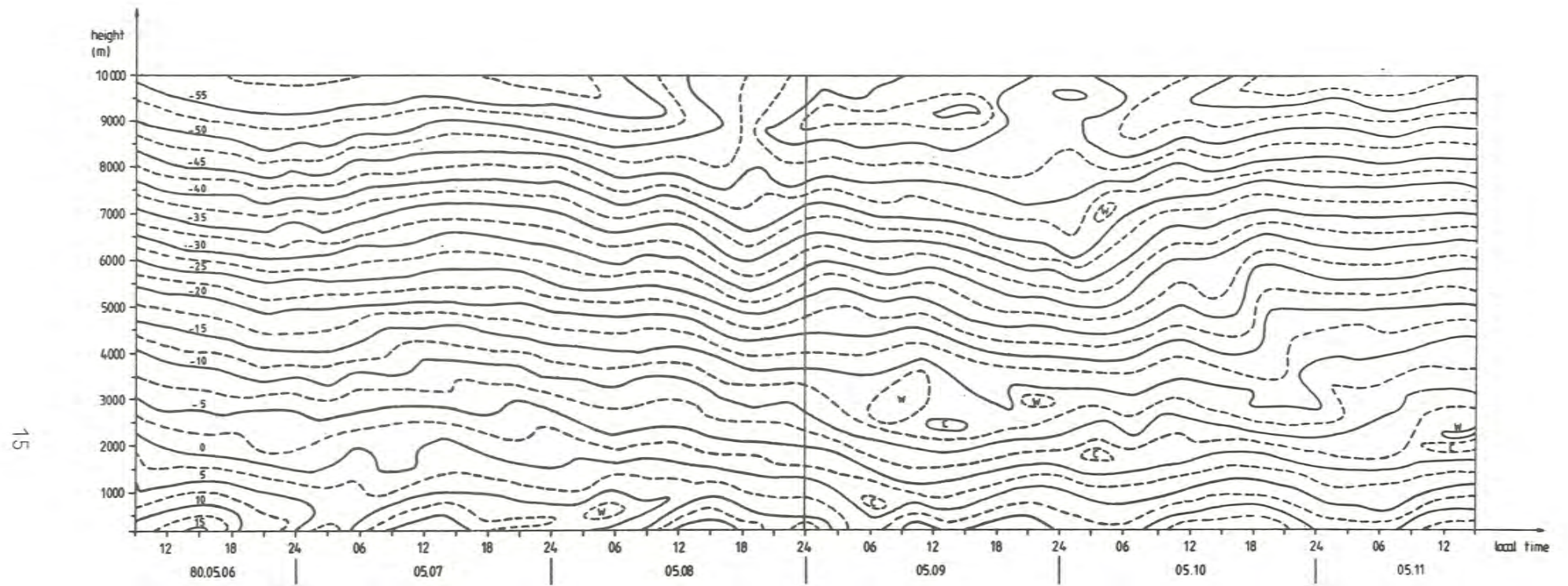


Figure 11

Height-time cross-section of observed temperature (centigrades) over Klockrike

8. GEOSTROPHIC WINDS

Geostrophic winds are determined in two ways. The 850mb winds are taken directly from routinely analysed upper-air charts from SMHI. Surface geostrophic winds are determined by fitting

$$P_i = Ax_i + By_i + Cx_i^2 + Dy_i^2 + Ex_i y_i + R_i \quad (2)$$

to 18 routine Swedish synoptic stations, reporting every third hour. x_i and y_i are the i :th stations cartesian coordinates relative Klockrike. By requiring $\sum_i R_i^2$ to be a minimum, the five coefficients A to E are determined. The geostrophic winds are then calculated from $\partial p/\partial x$ and $\partial p/\partial y$ at the centre of the station array.

In fig. 12, the stations used are indicated by $\odot$. The radius of influence is 175 km. A couple of the stations do not report pressure at every synoptic term. For those occasions the pressure has been interpolated between earlier and later readings.



Figure 12

Stations used in determining the surface geostrophic winds are indicated by $\odot$. Klockrike is denoted $\otimes$.

In fig. 13 the surface geostrophic winds and the 850mb geostrophic winds are shown for the whole period.

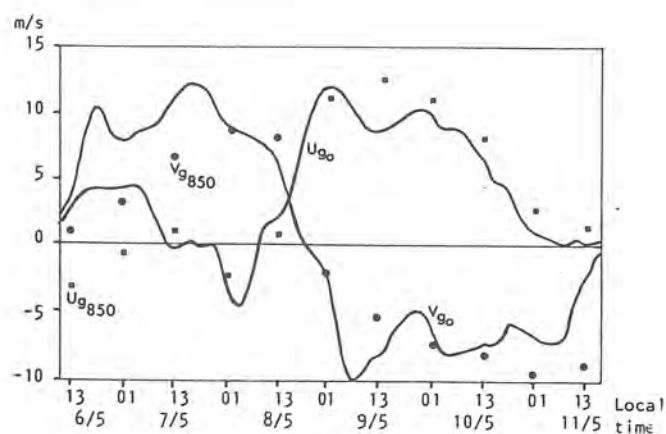


Figure 13

Surface and 850mb geostrophic wind components u and v

9. SOIL PROPERTIES

9.1 Properties influencing the heat fluxes

Since the GOTEX II experiment was executed in early May, the autumn-sowed crops are only a few cm high and quite sparse (see also fig. 7). The ground can therefore be considered as bare soil to a first approximation.

The heat flux equation in one dimension can be written

$$C \frac{\partial T}{\partial t} = \frac{\partial}{\partial z} \left(\lambda \frac{\partial T}{\partial z} \right) \quad (3)$$

where C is heat capacity of the soil, and λ stands for thermal conductivity. To solve eq. (3) one needs to know both C and λ . They are among other things functions of soil water content.

The heat capacity can be written (de Vries, 1975)

$$C = x_{sm} c_{sm} + x_{so} c_{so} + x_w c_w \quad (4)$$

where x denotes the volumetric fraction of any matter, subscript sm denotes minerals, so organic matter and w water.

Using values given by de Vries for the different conductivities, eq. (4) reads

$$C = 0.586 \cdot 2.0 \cdot 10^6 + 0.072 \cdot 2.5 \cdot 10^6 + 0.341 \cdot 4.2 \cdot 10^6$$

or

$$C = 2.78 \cdot 10^6 \text{ J/m}^3 \cdot \text{K}$$

The observed values of the fraction of water (maximum) and of organic matter are used. The amount of organic matter is determined by the glowloss method for each samples. These values were fairly constant, 10.8% is the mean relative dry soil for the whole period, and 0.9% the standard deviation.

The overall thermal conductivity of the soil (λ) can be estimated following de Vries, as summarized in fig. 14. It is found that for x_s (the volumetric fraction of solid materials) equal to 0.50, and for soil water contents 32.6-34.18% by volume (relevant for May 6-11 at Klockrike) λ equals 1.15-1.17 W/m·K. The 'observed' values of x_s lie between .601-.588.

To summarize, the two needed soil properties are given as functions of observed maximum and minimum soil water content in table I.

	w = 60.94 mm	w = 58.23 mm
C	2.82 J/m ³ ·K	2.77 J/m ³ ·K
λ	1.17 W/m·K	1.15 W/m·K

Table I

Soil properties as function of observed soil water content

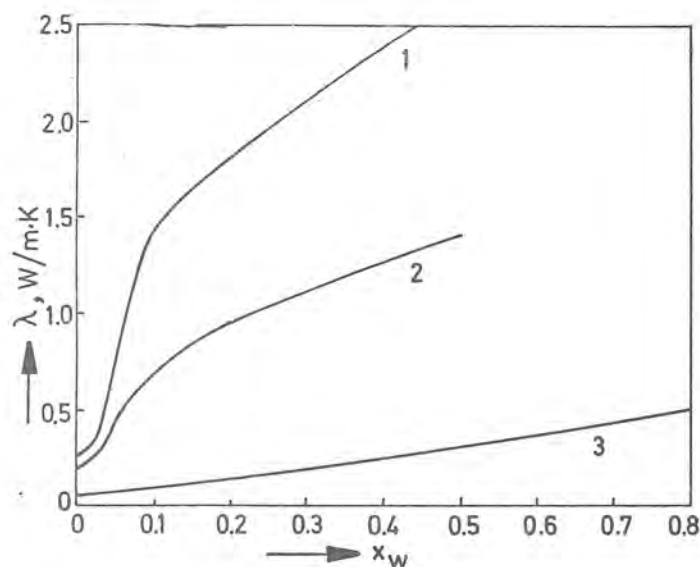


Figure 14

Thermal conductivity, λ , in relation to volumetric soil water content x_w , at 10°C. Curve 1: quartz sand with $x_s = 0.55$. Curve 2: loam with $x_s = 0.50$. Curve 3: peat soil with $x_s = 0.20$. (After de Vries, 1975)

9.2 Properties influencing the water fluxes

Andersson & Wiklert (1972) have presented a comprehensive analysis of water holding characteristics of Swedish soils. Their paper contains data from soils taken at Västerby, 6 km south of the Klockrike site. According to geological maps, both places are situated on the same type of cultivated clay, being a part of the old bottom of the prehistoric Lake Ancylus. In fig. 15 is shown their decomposition of the soil top layer at Västerby, together with the waterholding characteristics.

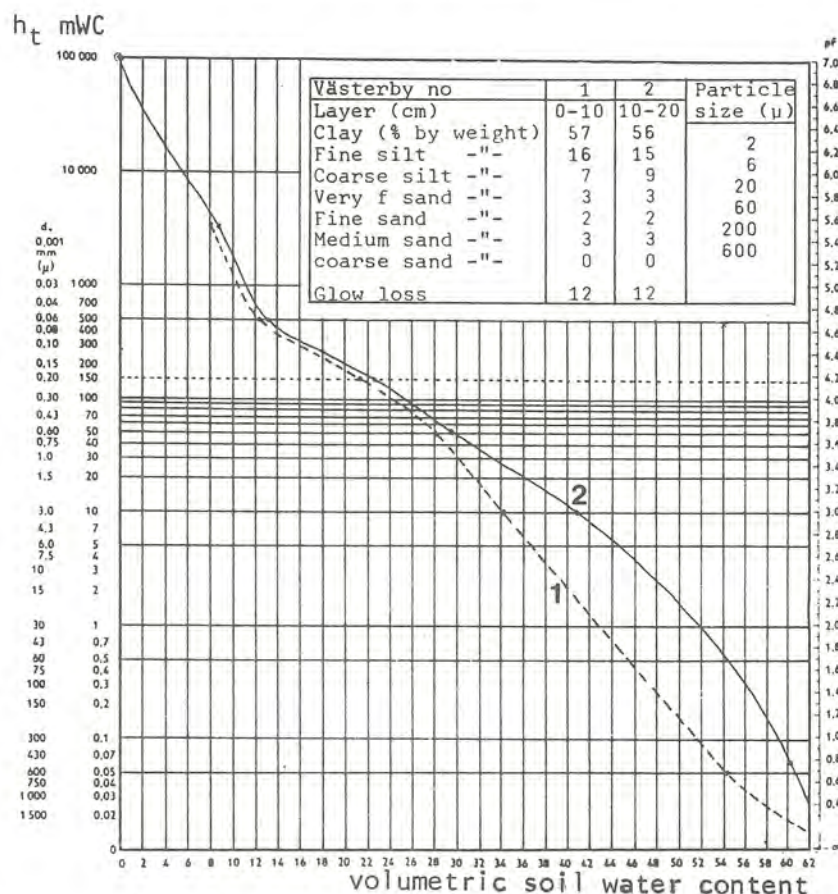


Figure 15 Waterholding characteristics of the Västerby soil. The three vertical scales are 1) d_v ($\mu = 0.001$ mm), the equivalent pore diameters, 2) the tension h_t (metres water column) and 3) the pF-scale.

($pF = 10 \log h_t$). The mechanical composition of the soil is given in the table. It is seen that the curves are nearly diagonal, indicating a log-linear relation.

Curve 1 refers to the layer 0-10 cm, and 2 to 10-20 cm in the soil. h_t equal to 150 mWC (dashed) indicates the wilting point and h_t equal to 0 the field capacity, ($w = 22\%$ and $\sim 63\%$ by vol. in this case).

The soil contains 56-57% clay, i.e. a rather heavy clay soil. The suction (tension, potential) h_t set up by the soil is quite large for this specific type of soil. h_t can be expressed as the sum of matric suction (due to absorptive and capillarity forces) and the osmotic suction, in metres of water column (mWC). $h_t = 1$ mWC corresponds to 10132 Pa. Another common way of expressing the water holding characteristics is by $pF = 10 \log h_t$. At 34% by volume (corresponding to $w = 60$ mm, representative for the soil during the experiment) fig. 15 gives $h_t = 20$ mWC (202640 Pa) or $pF = 3.3$. The corresponding value of other soils, e.g. more sandy, may differ by one or more orders of magnitude.

9.3 Discussion

According to Jackson et al (1973) the drying of a bare, cultivated soil (looking over a few days) occurs in a shallow, few cm deep top layer. Deeper down there is diurnal vertical fluxes of water, but only down to 15-30 cm. How deep this 'static zone' or zero flux level is, depends on the time elapsed since irrigation. This behaviour can partly be explained by the diurnal temperature changes in the soil top layer.

The samples from Klockrike show by visually inspection a marked change by time in upper 2-3 cm, while the lower part of the cores seemed equally moist the whole period. Thus, to answer the question put forward in 3.2.3; the soil water content data presented here represent a relevant integrated measure, at least in a relative sense, for this specific soil. Supposing no water fluxes occur through the bottom of the cores (18 cm deep), all changes in water content come from evaporation or rain. The rate at which the soil lost water during undisturbed conditions can be estimated to 1 mm/day. This is in fair agreement with what can be found in the literature. It also illustrates the rather 'short fetch' of water available for evaporation in this clay soil.

10. DETERMINATION OF z_0

This was done by extracting neutral or near neutral surface layer profiles. These cases originated mainly from the transition periods between stable and unstable, or vice versa, conditions. By using the logarithmic wind profile.

$$u(z) = \frac{u_*}{\kappa} \ln \left(\frac{z}{z_0} \right)$$

for 1.06, 2.13 and 4.25 metres, z_0 was determined. In figs. 16 and 17 are shown wind direction frequencies and derived z_0 . It is seen, that in the sector $45-105^\circ$, the wind profiles are disturbed. This is because of the tower itself and the campers, nearby trees and buildings. In table II the z_0 -estimates are given

Direction	z_0 (mm)
45-105°(E)	33.2
105-45°	4.4

Table II

Estimates of z_0

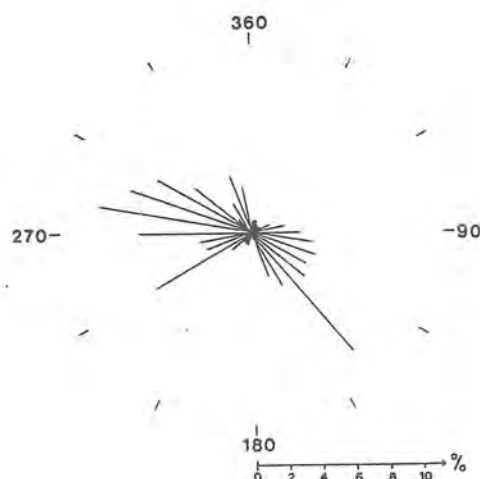


Figure 16

Observed surface wind direction (percentage of time). The unfavorable sector $45-105^\circ$ is represented in around 10% of the time.

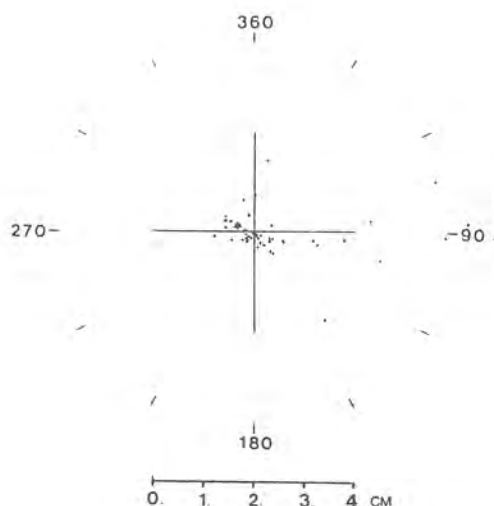


Figure 17

Derived values of z_0 . It is seen that in the sector $45-105^\circ$ the z_0 -values are rather scattered, indicating the inhomogeneities in those directions.

Acknowledgements

The experiment was partly financed by the Swedish Military Weather Service and by grants from the Swedish Natural Research Council (NFR), as also the preparation of the data. The successful results are due to excellent and devoted work of the group from the Swedish Military Weather Service, the Uppsala group and all personnel from SMHI. Especially I want to thank Mr Arne Törnvall and Mr Sverker Magnusson for their assistance in planning the measurements and evaluating the data, to Dr Svante Bodin for suggesting and making the experiment possible, to Mrs Kerstin Fabiansen for typing the manuscript and to Mr Gunnar Larsson for the photographic illustrations.

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APPENDIX A

Surface Layer Profile Data

The data tables contain data from 1980-05-06 1100 LT to 05-11 1630 LT.

At 05-10 1630 and 1700 data are missed due to power failure.

The tables are divided in SYNOP and PROFILE parts. The SYNOP data (hourly) contain information on total cloudiness (N) in octas and the amount of low clouds. The cloud types are given as conventional abbreviations. Every sixth hour the last 12 hour amount of precipitation is given, and twice a day the soil water content. Pressure at the site (QFE) and reduced to mean sea level (QFF) are deduced using standard procedures. Geostrophic winds, as described in section 3, are given every third hour (surface winds) or every twelfth hour (850mb). Estimated visibility is in kilometers. Weather phenomena, when observed, are given as abbreviations:

LI	DZ	Light drizzle
MO	DZ	Moderate drizzle
DZ	LH	Drizzle observed during the last hour
RASH	LH	Rain shower observed during the last hour
PRE	V	Precipitation visible but not over the site

The profile tables are self-explaining. The figures between brackets are the variances measured during the 20 minutes of integration.

>>> 80-05-06 1100 LT S Y N O P <<<

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CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	O/8	/8			I	I	I
I					I		I
I	PRESSURE (MB)	I			I	VISIBILITY	I
I	QFE	QFF	I		I	(KM)	I
I	1004.4	1012.7	I		I	>20	I

>>> 1100 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 1052.4 (805.5) W/M**2 759.3 (4.5) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 12.81 (.20)	I 2.61 (.003)	I 1.4 (.6)	I 41.4 (99.1)
I 8.50	I 13.00 (.24)	I 2.81 (.004)	I 1.4 (.6)	I
I 4.25	I 13.04 (.30)	I 2.48 (.003)	I 1.5 (.6)	I
I 2.13	I 13.34 (.32)	I 2.90 (.005)	I 1.4 (.5)	I
I 1.06	I 13.69 (.32)	I 2.63 (.004)	I 1.2 (.5)	I
I .00	I 34.72	I		
I -.02	I 18.24	I		
I -.05	I 17.94	I		
I -.10	I 11.31	I		
I -.23	I 6.85	I		
I -.51	I 5.59	I		

>>> 1130 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 508.9 (52.9) W/M**2 724.9 (168.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 13.38 (.27)	I 2.26 (.004)	I 1.6 (.8)	I 85.9 (52.4)
I 8.50	I 13.53 (.33)	I 2.42 (.005)	I 1.5 (.7)	I
I 4.25	I 13.66 (.32)	I 2.18 (.004)	I 1.5 (.7)	I
I 2.13	I 13.99 (.25)	I 2.54 (.007)	I 1.5 (.7)	I
I 1.06	I 14.39 (.29)	I 2.29 (.005)	I 1.3 (.7)	I
I .00	I 35.56	I		
I -.02	I 19.57	I		
I -.05	I 19.07	I		
I -.10	I 12.17	I		
I -.23	I 6.93	I		
I -.51	I 5.62	I		

>>> 80-05-06 1200 LT S Y N O P <<<

CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	O/8	/8			I	I	I
I					I		I
I	PRESSURE (MB)	I			I	VISIBILITY	I
I	QFE	QFF	I		I	(KM)	I
I	1004.0	1012.4	I		I	>20	I

>>> 1200 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 527.2 (4.0) W/M**2 778.4 (1.4) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 13.90 (.23)	I 2.19 (.003)	I 1.5 (.6)	I 152.3 (60.2)
I 8.50	I 14.10 (.19)	I 2.38 (.004)	I 1.4 (.6)	I
I 4.25	I 14.18 (.19)	I 2.11 (.003)	I 1.4 (.6)	I
I 2.13	I 14.43 (.23)	I 2.48 (.004)	I 1.4 (.6)	I
I 1.06	I 14.78 (.27)	I 2.17 (.003)	I 1.4 (.9)	I
I .00	I 37.17	I		
I -.02	I 20.66	I		
I -.05	I 20.00	I		
I -.10	I 12.98	I		
I -.23	I 7.02	I		
I -.51	I 5.63	I		

>>> 1230 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 521.1 (6.7) W/M**2 770.6 (1.7) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 14.83 (.34)	I 2.33 (.006)	I 1.4 (.8)	I 78.3 (97.9)
I 8.50	I 15.07 (.31)	I 2.54 (.007)	I 1.3 (.6)	I
I 4.25	I 15.18 (.39)	I 2.27 (.005)	I 1.3 (.7)	I
I 2.13	I 15.42 (.41)	I 2.64 (.007)	I 1.3 (.7)	I
I 1.06	I 15.76 (.45)	I 2.33 (.006)	I 1.3 (.8)	I
I .00	I 37.87	I		
I -.02	I 21.82	I		
I -.05	I 20.85	I		
I -.10	I 13.74	I		
I -.23	I 7.15	I		
I -.51	I 5.63	I		

CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	1/8	1/8	CU	2000	I	I	I
I PRESSURE (MB)				I	I VISIBILITY	I	I WEATHER
I	QFE	QFF	I	I	I (KM)	I	I
I	1002.5	1010.7	I	I	I >20	I	I

----->>> 1500 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 378.4 (8.2) W/M**2 585.8 (10.9) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 15.99 (.21)	I 2.87 (.003)	I 2.3 (.8)	I 72.3 (37.8) I
I 8.50	I 16.17 (.21)	I 3.02 (.002)	I 2.1 (.8)	I I
I 4.25	I 16.34 (.26)	I 2.84 (.003)	I 2.0 (.8)	I I
I 2.13	I 16.73 (.26)	I 3.17 (.003)	I 2.0 (.8)	I I
I 1.06	I 17.08 (.29)	I 2.97 (.003)	I 1.8 (.7)	I I
I .00	I 29.09	I		
I -.02	I 22.43	I		
I -.05	I 21.50	I		
I -.10	I 16.37	I		
I -.23	I 7.97	I		
I -.51	I 5.63	I		

----->>> 1530 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 324.7 (10.6) W/M**2 525.1 (11.9) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 16.34 (.20)	I 3.08 (.002)	I 2.4 (.6)	I 104.4 (47.2) I
I 8.50	I 16.52 (.20)	I 3.22 (.002)	I 2.3 (.6)	I I
I 4.25	I 16.64 (.24)	I 2.99 (.002)	I 2.2 (.6)	I I
I 2.13	I 16.99 (.25)	I 3.35 (.003)	I 2.1 (.7)	I I
I 1.06	I 17.39 (.27)	I 3.16 (.003)	I 2.0 (.7)	I I
I .00	I 28.55	I		
I -.02	I 22.13	I		
I -.05	I 21.14	I		
I -.10	I 16.53	I		
I -.23	I 8.18	I		
I -.51	I 5.64	I		

>>> 80-05-06 1600 LT S Y N O P <<<

CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	1/8	1/8	CU	2000	I	I	I
I PRESSURE (MB)				I	I GEOSTROPHIC WIND (M/S)	I	I VISIBILITY
I	QFE	QFF	I	I	I	I (KM)	I
I	1001.7	1010.0	I	I 4.1 9.2	I	I >20	I

----->>> 1600 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 274.5 (11.3) W/M**2 462.0 (12.4) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 16.48 (.21)	I 3.18 (.002)	I 2.3 (.9)	I 91.2 (29.0) I
I 8.50	I 16.66 (.18)	I 3.29 (.002)	I 2.3 (.9)	I I
I 4.25	I 16.74 (.23)	I 3.07 (.002)	I 2.2 (.9)	I I
I 2.13	I 17.08 (.25)	I 3.42 (.003)	I 2.1 (.9)	I I
I 1.06	I 17.41 (.32)	I 3.26 (.003)	I 1.9 (.8)	I I
I .00	I 27.06	I		
I -.02	I 22.11	I		
I -.05	I 20.80	I		
I -.10	I 16.60	I		
I -.23	I 8.37	I		
I -.51	I 5.63	I		

----->>> 1630 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 218.1 (11.3) W/M**2 396.5 (13.4) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 16.51 (.15)	I 3.05 (.002)	I 2.5 (.8)	I 82.9 (20.0) I
I 8.50	I 16.70 (.12)	I 3.17 (.002)	I 2.4 (.8)	I I
I 4.25	I 16.77 (.18)	I 3.00 (.002)	I 2.3 (.8)	I I
I 2.13	I 17.10 (.21)	I 3.31 (.003)	I 2.2 (.8)	I I
I 1.06	I 17.38 (.24)	I 3.17 (.002)	I 2.1 (.7)	I I
I .00	I 25.12	I		
I -.02	I 21.69	I		
I -.05	I 20.24	I		
I -.10	I 16.63	I		
I -.23	I 8.57	I		
I -.51	I 5.64	I		

>>> 80-05-06 1700 LT S Y N O P <<<

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CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	1/8	1/8 CU		2000	I	I	I
PRESSURE (MB)				I	VISIBILITY		I WEATHER
QFE QFF				I	(KM)		I
1001.2 1009.5				I	>20		I

>>> 1700 LT P R O F I L E S <<<

 NET RADIATION 159.1 (12.0) W/M**2
 GLOBAL RADIATION 326.9 (13.5) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 16.34 (.48)	I 3.02 (.002)	I 2.6 (.5)	I 59.2 (16.9)
I 8.50	I 16.51 (.51)	I 3.09 (.003)	I 2.4 (.6)	I
I 4.25	I 16.62 (.52)	I 3.00 (.003)	I 2.3 (.7)	I
I 2.13	I 16.91 (.50)	I 3.31 (.005)	I 2.2 (.7)	I
I 1.06	I 17.16 (.70)	I 3.16 (.004)	I 2.1 (.7)	I
I .00	I 22.40	I		
I -.02	I 20.84	I		
I -.05	I 19.50	I		
I -.10	I 16.55	I		
I -.23	I 8.76	I		
I -.51	I 5.64	I		

>>> 1730 LT P R O F I L E S <<<

 NET RADIATION 102.2 (11.0) W/M**2
 GLOBAL RADIATION 257.3 (13.6) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 16.45 (.14)	I 3.18 (.003)	I 3.5 (.5)	I 73.9 (8.8)
I 8.50	I 16.62 (.08)	I 3.22 (.003)	I 3.2 (.6)	I
I 4.25	I 16.74 (.10)	I 3.16 (.003)	I 3.0 (.7)	I
I 2.13	I 16.96 (.10)	I 3.39 (.004)	I 2.9 (.6)	I
I 1.06	I 17.22 (.11)	I 3.30 (.003)	I 2.5 (.6)	I
I .00	I 20.61	I		
I -.02	I 19.90	I		
I -.05	I 18.73	I		
I -.10	I 16.40	I		
I -.23	I 8.95	I		
I -.51	I 5.64	I		

>>> 80-05-06 1800 LT S Y N O P <<<

CLOUDS						SOILWATER	
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	1/8	1/8 CU		2000	I	I	I
PRESSURE (MB)				I	VISIBILITY		I WEATHER
QFE QFF				I	(KM)		I
1001.0 1009.3				I	>20		I
					CONTENT		I
					60.76 (MM)		I

>>> 1800 LT P R O F I L E S <<<

 NET RADIATION 46.4 (11.0) W/M**2
 GLOBAL RADIATION 186.5 (14.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 15.98 (.11)	I 3.92 (.007)	I 4.9 (.8)	I 78.5 (9.0)
I 8.50	I 16.13 (.05)	I 3.93 (.007)	I 3.9 (.7)	I
I 4.25	I 16.23 (.08)	I 3.87 (.007)	I 4.0 (.9)	I
I 2.13	I 16.38 (.09)	I 4.07 (.007)	I 3.6 (.9)	I
I 1.06	I 16.54 (.11)	I 3.94 (.007)	I 3.1 (.8)	I
I .00	I 18.72	I		
I -.02	I 18.75	I		
I -.05	I 17.75	I		
I -.10	I 16.13	I		
I -.23	I 9.10	I		
I -.51	I 5.64	I		

>>> 1830 LT P R O F I L E S <<<

 NET RADIATION -7.7 (10.0) W/M**2
 GLOBAL RADIATION 121.3 (11.7) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 15.43 (.27)	I 4.26 (.003)	I 6.7 (.8)	I 140.9 (6.3)
I 8.50	I 15.56 (.27)	I 4.24 (.003)	I 5.8 (1.0)	I
I 4.25	I 15.65 (.27)	I 4.18 (.003)	I 6.1 (1.0)	I
I 2.13	I 15.73 (.29)	I 4.36 (.003)	I 5.7 (1.1)	I
I 1.06	I 15.81 (.32)	I 4.21 (.003)	I 5.2 (1.0)	I
I .00	I 16.99	I		
I -.02	I 17.58	I		
I -.05	I 16.87	I		
I -.10	I 15.81	I		
I -.23	I 9.25	I		
I -.51	I 5.64	I		

CLOUDS					PRESIPITATION	
N	LOW	MID-HIGH	BASE (M)	SINCE 07LT		
2/8	/8	AC CS	3000	(MM)		
I	I	I	I	I	I	I
I	I	I	I	I	I	I
I	I	I	I	I	I	I
PRESSURE (MB)			GEOSTROPHIC WIND (M/S)		VISIBILITY	
QFE QFF I			UG VG		(KM)	
I	I	I	I	I	I	I
I	I	I	I	I	I	I
I	I	I	I	I	I	I

>>> 1900 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 -56.7 (8.3) W/M**2 65.1 (10.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 14.29 (.22)	I 4.19 (.001)	I 6.9 (.6)	I 142.8 (6.1)
I 8.50	I 14.34 (.20)	I 4.15 (.001)	I 5.9 (.9)	I
I 4.25	I 14.36 (.22)	I 4.09 (.001)	I 6.2 (.9)	I
I 2.13	I 14.36 (.23)	I 4.27 (.001)	I 5.8 (.9)	I
I 1.06	I 14.34 (.25)	I 4.10 (.001)	I 5.3 (.9)	I
I .00	I 14.84	I		
I -.02	I 16.27	I		
I -.05	I 15.93	I		
I -.10	I 15.45	I		
I -.23	I 9.42	I		
I -.51	I 5.67	I		

>>> 1930 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 -89.6 (4.2) W/M**2 22.3 (7.0) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 13.23 (.19)	I 4.05 (.002)	I 6.3 (.9)	I 141.8 (6.1)
I 8.50	I 13.23 (.21)	I 4.04 (.002)	I 5.7 (1.0)	I
I 4.25	I 13.14 (.24)	I 3.94 (.002)	I 5.2 (.9)	I
I 2.13	I 13.08 (.26)	I 4.12 (.002)	I 4.6 (1.0)	I
I 1.06	I 13.00 (.28)	I 3.94 (.002)	I 4.1 (.9)	I
I .00	I 12.96	I		
I -.02	I 14.98	I		
I -.05	I 15.00	I		
I -.10	I 15.03	I		
I -.23	I 9.56	I		
I -.51	I 5.69	I		

>>> 80-05-06 2000 LT S Y N O P <<<

CLOUDS					PRESIPITATION	
N	LOW	MID-HIGH	BASE (M)	SINCE 07LT		
1/8	/8	CS		(MM)		
I	I	I	I	I	I	I
I	I	I	I	I	I	I
I	I	I	I	I	I	I
PRESSURE (MB)			VISIBILITY		WEATHER	
QFE QFF I			(KM)		I	
I	I	I	I	I	I	I
I	I	I	I	I	I	I
I	I	I	I	I	I	I

>>> 2000 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 -101.5 (1.0) W/M**2 2.4 (2.0) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 12.28 (.17)	I 4.03 (.002)	I 5.5 (.6)	I 136.6 (6.0)
I 8.50	I 12.22 (.17)	I 4.03 (.002)	I 5.0 (.6)	I
I 4.25	I 12.09 (.17)	I 3.91 (.002)	I 4.6 (.6)	I
I 2.13	I 11.96 (.17)	I 4.11 (.002)	I 4.1 (.6)	I
I 1.06	I 11.82 (.17)	I 3.91 (.002)	I 3.7 (.6)	I
I .00	I 11.33	I		
I -.02	I 13.74	I		
I -.05	I 14.10	I		
I -.10	I 14.57	I		
I -.23	I 9.66	I		
I -.51	I 5.69	I		

>>> 2030 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 -102.8 (.6) W/M**2 -2.2 (.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 11.25 (.23)	I 3.95 (.002)	I 4.5 (.6)	I 128.9 (5.9)
I 8.50	I 11.02 (.32)	I 3.94 (.003)	I 3.8 (.6)	I
I 4.25	I 10.73 (.39)	I 3.78 (.003)	I 3.4 (.5)	I
I 2.13	I 10.51 (.43)	I 3.98 (.003)	I 2.9 (.5)	I
I 1.06	I 10.30 (.45)	I 3.74 (.003)	I 2.5 (.5)	I
I .00	I 9.86	I		
I -.02	I 12.71	I		
I -.05	I 13.26	I		
I -.10	I 14.09	I		
I -.23	I 9.75	I		
I -.51	I 5.71	I		

CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I 1/8	/8		CS		I	I	I
I PRESSURE (MB) I				I VISIBILITY I		I WEATHER I	
I QFE QFF I				I (KM)		I	
I 1001.5 1010.1 I				I >20		I	

>>> 2100 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
 -99.6 (.5) W/M**2 -3.0 (.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 10.39 (.14)	I 3.93 (.002)	I 4.5 (.3)	I 119.1 (5.9) I
I 8.50	I 9.94 (.19)	I 3.95 (.002)	I 3.8 (.3)	I
I 4.25	I 9.40 (.18)	I 3.77 (.002)	I 3.2 (.3)	I
I 2.13	I 9.03 (.15)	I 3.98 (.002)	I 2.6 (.3)	I
I 1.06	I 8.80 (.13)	I 3.70 (.003)	I 2.2 (.3)	I
I .00	I 8.47	I		
I -.02	I 11.74	I		
I -.05	I 12.43	I		
I -.10	I 13.58	I		
I -.23	I 9.80	I		
I -.51	I 5.71	I		

>>> 2130 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
 -97.4 (.4) W/M**2 -3.2 (.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 9.82 (.10)	I 3.92 (.001)	I 4.4 (.4)	I 134.2 (7.0) I
I 8.50	I 9.45 (.09)	I 3.96 (.001)	I 3.7 (.4)	I
I 4.25	I 8.98 (.14)	I 3.80 (.001)	I 3.2 (.3)	I
I 2.13	I 8.61 (.15)	I 3.97 (.001)	I 2.6 (.3)	I
I 1.06	I 8.34 (.14)	I 3.73 (.001)	I 2.2 (.3)	I
I .00	I 7.72	I		
I -.02	I 10.92	I		
I -.05	I 11.68	I		
I -.10	I 13.06	I		
I -.23	I 9.82	I		
I -.51	I 5.71	I		

>>> 80-05-06 2200 LT S Y N O P <<<

CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I 1/8	/8		CS		I	I	I
I PRESSURE (MB) I				I GEOSTROPHIC WIND (M/S) I		I VISIBILITY I	
I QFE QFF I				I UG VG		I (KM) I	
I 1001.9 1010.5 I				I 4.1 9.0		I >20 I	

>>> 2200 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
 -95.8 (.8) W/M**2 -2.4 (.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 9.05 (.16)	I 3.89 (.002)	I 3.3 (.3)	I 138.3 (4.3) I
I 8.50	I 8.62 (.21)	I 3.89 (.002)	I 2.8 (.2)	I
I 4.25	I 7.81 (.43)	I 3.62 (.003)	I 2.4 (.2)	I
I 2.13	I 7.04 (.61)	I 3.72 (.004)	I 1.8 (.2)	I
I 1.06	I 6.67 (.63)	I 3.41 (.003)	I 1.4 (.2)	I
I .00	I 6.79	I		
I -.02	I 10.21	I		
I -.05	I 11.03	I		
I -.10	I 12.56	I		
I -.23	I 9.84	I		
I -.51	I 5.71	I		

>>> 2230 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
 -92.4 (.4) W/M**2 -3.3 (.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 8.48 (.07)	I 3.89 (.001)	I 2.9 (.3)	I 130.7 (6.3) I
I 8.50	I 8.23 (.09)	I 3.96 (.001)	I 2.8 (.2)	I
I 4.25	I 7.30 (.23)	I 3.76 (.002)	I 2.5 (.2)	I
I 2.13	I 6.29 (.21)	I 3.92 (.001)	I 1.8 (.2)	I
I 1.06	I 5.80 (.18)	I 3.56 (.002)	I 1.4 (.2)	I
I .00	I 5.78	I		
I -.02	I 9.49	I		
I -.05	I 10.38	I		
I -.10	I 12.11	I		
I -.23	I 9.85	I		
I -.51	I 5.72	I		

>>> 80-05-06 2300 LT S Y N O P <<<

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CLOUDS						
I	N	LOW	MID-HIGH	BASE (M)	I	I
I	0/8	/8			I	I
I					I	I
I	PRESSURE (MB)			I	VISIBILITY	
I	QFE QFF I			I	(KM)	
I	1001.8	1010.4	I	I	>20	

>>> 2300 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 -91.6 (.7) W/M**2 -2.9 (.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.86 (.19)	I 3.80 (.001)	I 2.7 (.4)	I 140.9 (4.6)
I 8.50	I 7.47 (.22)	I 3.81 (.001)	I 2.4 (.3)	I
I 4.25	I 6.83 (.21)	I 3.62 (.001)	I 2.4 (.2)	I
I 2.13	I 5.68 (.20)	I 3.75 (.002)	I 1.7 (.2)	I
I 1.06	I 5.09 (.26)	I 3.41 (.001)	I 1.4 (.2)	I
I .00	I 5.21	I		
I -.02	I 8.89	I		
I -.05	I 9.77	I		
I -.10	I 11.65	I		
I -.23	I 9.85	I		
I -.51	I 5.74	I		

>>> 2330 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 -87.8 (1.3) W/M**2 -3.2 (.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.39 (.03)	I 3.75 (.001)	I 2.5 (.1)	I 135.2 (3.0)
I 8.50	I 7.10 (.08)	I 3.80 (.001)	I 2.4 (.1)	I
I 4.25	I 6.34 (.06)	I 3.60 (.001)	I 2.2 (.1)	I
I 2.13	I 5.38 (.20)	I 3.80 (.001)	I 1.7 (.1)	I
I 1.06	I 4.35 (.21)	I 3.37 (.002)	I 1.2 (.1)	I
I .00	I 4.40	I		
I -.02	I 8.30	I		
I -.05	I 9.22	I		
I -.10	I 11.22	I		
I -.23	I 9.82	I		
I -.51	I 5.77	I		

>>> 80-05-07 0000 LT S Y N O P <<<

CLOUDS						
I	N	LOW	MID-HIGH	BASE (M)	I	I
I	0/8	/8			I	I
I					I	I
I	PRESSURE (MB)			I	VISIBILITY	
I	QFE QFF I			I	(KM)	
I	1002.0	1010.7	I	I	>20	

>>> 0000 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 -85.7 (.6) W/M**2 -2.7 (.5) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.22 (.04)	I 3.70 (.001)	I 2.5 (.2)	I 138.2 (3.3)
I 8.50	I 6.90 (.08)	I 3.76 (.001)	I 2.4 (.3)	I
I 4.25	I 6.24 (.12)	I 3.59 (.001)	I 2.3 (.3)	I
I 2.13	I 5.06 (.59)	I 3.61 (.000)	I 1.8 (.2)	I
I 1.06	I 3.72 (.51)	I 3.15 (.001)	I 1.3 (.2)	I
I .00	I 3.74	I		
I -.02	I 7.74	I		
I -.05	I 8.71	I		
I -.10	I 10.79	I		
I -.23	I 9.80	I		
I -.51	I 5.78	I		

>>> 0030 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 -86.9 (.3) W/M**2 -2.5 (.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.71 (.11)	I 3.64 (.001)	I 3.0 (.1)	I 134.6 (3.1)
I 8.50	I 6.36 (.08)	I 3.70 (.001)	I 3.0 (.1)	I
I 4.25	I 5.35 (.33)	I 3.47 (.001)	I 2.9 (.1)	I
I 2.13	I 3.30 (.19)	I 3.43 (.002)	I 1.9 (.1)	I
I 1.06	I 2.64 (.10)	I 3.07 (.002)	I 1.4 (.1)	I
I .00	I 3.34	I		
I -.02	I 7.23	I		
I -.05	I 8.19	I		
I -.10	I 10.39	I		
I -.23	I 9.75	I		
I -.51	I 5.79	I		

CLOUDS				PRESIPITATION			
I	N	LOW	MID-HIGH	BASE (M)	I	SINCE 13LT	I
I	0/8	/8			I	(MM)	I
I					I		I
I	PRESSURE (MB)	I	GEOSTROPHIC WIND (M/S)	I	VISIBILITY	I	WEATHER
I	QFE	QFF	I	UG VG	UG-850-VG	I	(KM)
I	1001.8	1010.5	I	4.3 7.7	-9 3.0	I	>20

>>> 0100 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
 -86.8 (.2) W/M**2 -2.8 (.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.32 (.20)	I 3.61 (.001)	I 3.8 (.2)	I 139.3 (4.7)
I 8.50	I 5.83 (.38)	I 3.60 (.002)	I 3.7 (.1)	I
I 4.25	I 4.65 (.34)	I 3.34 (.002)	I 3.2 (.2)	I
I 2.13	I 3.70 (.10)	I 3.52 (.001)	I 2.4 (.2)	I
I 1.06	I 3.30 (.08)	I 3.32 (.001)	I 1.9 (.2)	I
I .00	I 3.30	I		
I -.02	I 6.80	I		
I -.05	I 7.75	I		
I -.10	I 9.99	I		
I -.23	I 9.67	I		
I -.51	I 5.83	I		

>>> 0130 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
 -87.4 (.3) W/M**2 -2.6 (.4) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 5.63 (.14)	I 3.57 (.001)	I 4.4 (.2)	I 132.3 (2.5)
I 8.50	I 5.09 (.19)	I 3.58 (.001)	I 3.9 (.2)	I
I 4.25	I 3.68 (.25)	I 3.32 (.002)	I 3.0 (.2)	I
I 2.13	I 2.99 (.29)	I 3.44 (.001)	I 2.3 (.2)	I
I 1.06	I 2.64 (.29)	I 3.20 (.002)	I 1.9 (.2)	I
I .00	I 2.82	I		
I -.02	I 6.40	I		
I -.05	I 7.34	I		
I -.10	I 9.61	I		
I -.23	I 9.61	I		
I -.51	I 5.85	I		

>>> 80-05-07 0200 LT S Y N O P <<<

CLOUDS				PRESIPITATION			
I	N	LOW	MID-HIGH	BASE (M)	I	SINCE 13LT	I
I	0/8	/8			I	(MM)	I
I					I		I
I	PRESSURE (MB)	I	GEOSTROPHIC WIND (M/S)	I	VISIBILITY	I	WEATHER
I	QFE	QFF	I	UG VG	UG-850-VG	I	(KM)
I	1001.8	1010.5	I			I	>20

>>> 0200 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
 -88.5 (.0) W/M**2 -2.5 (.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 4.80 (.12)	I 3.51 (.001)	I 4.3 (.3)	I 132.9 (3.0)
I 8.50	I 4.25 (.12)	I 3.54 (.002)	I 3.6 (.4)	I
I 4.25	I 3.38 (.28)	I 3.31 (.001)	I 3.0 (.4)	I
I 2.13	I 2.86 (.28)	I 3.42 (.001)	I 2.4 (.4)	I
I 1.06	I 2.56 (.24)	I 3.22 (.001)	I 2.0 (.3)	I
I .00	I 2.59	I		
I -.02	I 6.05	I		
I -.05	I 6.97	I		
I -.10	I 9.25	I		
I -.23	I 9.53	I		
I -.51	I 5.87	I		

>>> 0230 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
 -89.1 (.7) W/M**2 -3.0 (.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 3.80 (.29)	I 3.42 (.002)	I 5.0 (.4)	I 131.6 (3.0)
I 8.50	I 3.35 (.18)	I 3.47 (.002)	I 4.2 (.4)	I
I 4.25	I 2.98 (.12)	I 3.38 (.001)	I 3.6 (.3)	I
I 2.13	I 2.75 (.15)	I 3.53 (.000)	I 3.0 (.3)	I
I 1.06	I 2.58 (.16)	I 3.37 (.001)	I 2.6 (.4)	I
I .00	I 2.47	I		
I -.02	I 5.70	I		
I -.05	I 6.59	I		
I -.10	I 8.91	I		
I -.23	I 9.44	I		
I -.51	I 5.90	I		

CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	0/8	/8			I	I	I

I	PRESSURE (MB)			I	I	VISIBILITY	I
I	QFE QFF			I	I	(KM)	I
I	1001.6	1010.3	I	I	I	>20	I

>>> 0300 LT P R O F I L E S <<<-----

NET RADIATION GLOBAL RADIATION
 -89.4 (.6) W/M**2 -2.3 (.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 3.18 (.12)	I 3.50 (.001)	I 3.0 (.5)	I 143.8 (7.4) I
I 8.50	I 2.84 (.07)	I 3.54 (.001)	I 2.6 (.5)	I
I 4.25	I 2.32 (.12)	I 3.32 (.001)	I 2.1 (.4)	I
I 2.13	I 1.96 (.19)	I 3.40 (.001)	I 1.6 (.4)	I
I 1.06	I 1.69 (.24)	I 3.18 (.001)	I 1.3 (.4)	I
I .00	I 1.90	I		
I -.02	I 5.39	I		
I -.05	I 6.28	I		
I -.10	I 8.59	I		
I -.23	I 9.37	I		
I -.51	I 5.92	I		

>>> 0330 LT P R O F I L E S <<<-----

NET RADIATION GLOBAL RADIATION
 -83.7 (1.4) W/M**2 -1.0 (1.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 2.94 (.06)	I 3.56 (.001)	I 1.9 (.3)	I 159.4 (5.7) I
I 8.50	I 2.60 (.16)	I 3.58 (.001)	I 1.4 (.3)	I
I 4.25	I 1.94 (.16)	I 3.29 (.003)	I 1.2 (.6)	I
I 2.13	I 1.27 (.35)	I 3.35 (.001)	I .8 (.3)	I
I 1.06	I .80 (.42)	I 3.04 (.002)	I .6 (.6)	I
I .00	I .84	I		
I -.02	I 4.98	I		
I -.05	I 5.91	I		
I -.10	I 8.28	I		
I -.23	I 9.27	I		
I -.51	I 5.95	I		

>>> 80-05-07 0400 LT S Y N O P <<<

CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	2/8	/8	CI		I	I	I

I	PRESSURE (MB)			I	I	VISIBILITY	I
I	QFE QFF			I	I	(KM)	I
I	1001.4	1010.2	I	I	I	>20	I
			I	I	I		I

>>> 0400 LT P R O F I L E S <<<-----

NET RADIATION GLOBAL RADIATION
 -73.6 (3.0) W/M**2 12.0 (5.6) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 2.87 (.03)	I 3.59 (.001)	I 2.4 (.3)	I 157.0 (4.6) I
I 8.50	I 2.69 (.05)	I 3.62 (.001)	I 2.0 (.3)	I
I 4.25	I 2.36 (.11)	I 3.47 (.001)	I 1.8 (.3)	I
I 2.13	I 1.23 (.12)	I 3.41 (.001)	I 1.3 (.3)	I
I 1.06	I .43 (.27)	I 3.00 (.001)	I .9 (.2)	I
I .00	I .87	I		
I -.02	I 4.65	I		
I -.05	I 5.57	I		
I -.10	I 7.98	I		
I -.23	I 9.16	I		
I -.51	I 5.97	I		

>>> 0430 LT P R O F I L E S <<<-----

NET RADIATION GLOBAL RADIATION
 -54.6 (4.4) W/M**2 48.9 (7.9) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 2.82 (.03)	I 3.43 (.001)	I 2.2 (.3)	I 149.5 (5.5) I
I 8.50	I 2.60 (.03)	I 3.49 (.001)	I 2.1 (.4)	I
I 4.25	I 2.12 (.08)	I 3.30 (.000)	I 2.2 (.3)	I
I 2.13	I 1.23 (.12)	I 3.34 (.000)	I 1.6 (.2)	I
I 1.06	I .91 (.18)	I 3.11 (.001)	I 1.3 (.2)	I
I .00	I 1.44	I		
I -.02	I 4.48	I		
I -.05	I 5.33	I		
I -.10	I 7.67	I		
I -.23	I 9.06	I		
I -.51	I 5.98	I		

CLOUDS				PRESIPITATION			
I	N	LOW	MID-HIGH	BASE (M)	I	SINCE 19LT	I
I	2/8	/8	CS	5000	I	(MM)	I
I					I		I
PRESSURE (MB)				GEOSTROPHIC WIND (M/S)			
I	QFE	QFF	I	UG	VG	I	VISIBILITY (KM)
I	1001.0	1009.6	I	2.7	8.8	I	>20

>>> 0700 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 210.7 (18.3) W/M**2 362.3 (19.4) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.11 (.20)	I 3.38 (.001)	I 3.4 (.6)	I 149.2 (11.2)
I 8.50	I 6.28 (.22)	I 3.40 (.001)	I 3.2 (.5)	I
I 4.25	I 6.41 (.27)	I 3.31 (.001)	I 3.1 (.6)	I
I 2.13	I 6.67 (.31)	I 3.54 (.002)	I 2.9 (.6)	I
I 1.06	I 6.95 (.33)	I 3.43 (.001)	I 2.6 (.6)	I
I .00	I 13.50	I		
I -.02	I 7.11	I		
I -.05	I 7.87	I		
I -.10	I 7.44	I		
I -.23	I 8.59	I		
I -.51	I 6.14	I		

>>> 0730 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 270.1 (14.0) W/M**2 425.9 (17.6) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.55 (.16)	I 3.60 (.001)	I 3.9 (.7)	I 142.8 (14.2)
I 8.50	I 7.72 (.19)	I 3.59 (.002)	I 3.7 (.7)	I
I 4.25	I 7.87 (.24)	I 3.51 (.002)	I 3.7 (.7)	I
I 2.13	I 8.18 (.27)	I 3.75 (.002)	I 3.4 (.7)	I
I 1.06	I 8.51 (.27)	I 3.66 (.002)	I 3.1 (.7)	I
I .00	I 15.64	I		
I -.02	I 8.22	I		
I -.05	I 8.96	I		
I -.10	I 7.72	I		
I -.23	I 8.48	I		
I -.51	I 6.14	I		

>>> 80-05-07 0800 LT S Y N O P <<<

CLOUDS				PRESIPITATION			
I	N	LOW	MID-HIGH	BASE (M)	I	SINCE 19LT	I
I	2/8	/8	CS	5000	I	(MM)	I
I					I		I
PRESSURE (MB)				GEOSTROPHIC WIND (M/S)			
I	QFE	QFF	I	UG	VG	I	VISIBILITY (KM)
I	1000.6	1009.0	I			I	>20

>>> 0800 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 332.0 (8.3) W/M**2 493.3 (8.6) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 8.41 (.15)	I 3.65 (.001)	I 4.0 (.7)	I 138.9 (13.6)
I 8.50	I 8.59 (.18)	I 3.65 (.001)	I 3.8 (.7)	I
I 4.25	I 8.72 (.24)	I 3.55 (.001)	I 3.8 (.7)	I
I 2.13	I 9.09 (.30)	I 3.79 (.002)	I 3.4 (.7)	I
I 1.06	I 9.53 (.34)	I 3.74 (.002)	I 3.1 (.7)	I
I .00	I 18.51	I		
I -.02	I 9.53	I		
I -.05	I 10.14	I		
I -.10	I 8.11	I		
I -.23	I 8.37	I		
I -.51	I 6.14	I		

>>> 0830 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 354.5 (32.5) W/M**2 519.3 (36.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 8.99 (.25)	I 3.79 (.001)	I 4.9 (.9)	I 132.6 (11.1)
I 8.50	I 9.25 (.30)	I 3.80 (.001)	I 4.8 (.9)	I
I 4.25	I 9.48 (.33)	I 3.73 (.002)	I 4.6 (.9)	I
I 2.13	I 9.89 (.29)	I 3.97 (.002)	I 4.2 (.9)	I
I 1.06	I 10.40 (.29)	I 3.90 (.001)	I 3.8 (.8)	I
I .00	I 19.26	I		
I -.02	I 10.68	I		
I -.05	I 11.17	I		
I -.10	I 8.59	I		
I -.23	I 8.28	I		
I -.51	I 6.14	I		

CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	3/8	/8	CS	5000	I	I	I

I	PRESSURE (MB)			I	VISIBILITY		I
I	QFE	QFF	I	I	(KM)		I
I	1000.3	1008.8	I	I	>20		I

----->>> 0900 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 415.1 (16.1) W/M**2 580.5 (17.7) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 9.58 (.18)	I 3.78 (.001)	I 5.8 (.8)	I 142.7 (11.1)
I 8.50	I 9.86 (.21)	I 3.77 (.002)	I 5.6 (.8)	I
I 4.25	I 10.15 (.28)	I 3.71 (.002)	I 5.4 (.9)	I
I 2.13	I 10.57 (.29)	I 3.94 (.002)	I 5.0 (.9)	I
I 1.06	I 11.19 (.32)	I 3.92 (.002)	I 4.5 (.9)	I
I .00	I 20.57	I		
I -.02	I 12.02	I		
I -.05	I 12.25	I		
I -.10	I 9.11	I		
I -.23	I 8.21	I		
I -.51	I 6.15	I		

----->>> 0930 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 435.8 (47.0) W/M**2 608.7 (51.8) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 10.29 (.29)	I 3.57 (.003)	I 5.4 (1.1)	I 149.4 (12.9)
I 8.50	I 10.52 (.28)	I 3.54 (.003)	I 5.1 (1.2)	I
I 4.25	I 10.87 (.32)	I 3.50 (.003)	I 5.1 (1.2)	I
I 2.13	I 11.28 (.33)	I 3.73 (.004)	I 4.6 (1.2)	I
I 1.06	I 11.90 (.36)	I 3.72 (.003)	I 4.2 (1.1)	I
I .00	I 21.92	I		
I -.02	I 13.08	I		
I -.05	I 13.17	I		
I -.10	I 9.67	I		
I -.23	I 8.18	I		
I -.51	I 6.18	I		

>>> 80-05-07 1000 LT S Y N O P <<<

CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	3/8	/8	CS	5000	I	I	I

I	PRESSURE (MB)			I	VISIBILITY		I
I	QFE	QFF	I	I	(KM)		I
I	1000.0	1008.4	I	I	>20		I

----->>> 1000 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 476.9 (13.4) W/M**2 656.4 (23.0) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 10.85 (.18)	I 3.38 (.001)	I 6.8 (1.0)	I 142.9 (9.6)
I 8.50	I 11.12 (.20)	I 3.33 (.002)	I 6.4 (1.1)	I
I 4.25	I 11.48 (.22)	I 3.32 (.002)	I 6.4 (1.2)	I
I 2.13	I 11.93 (.24)	I 3.54 (.002)	I 5.9 (1.2)	I
I 1.06	I 12.65 (.27)	I 3.54 (.002)	I 5.3 (1.1)	I
I .00	I 22.72	I		
I -.02	I 14.25	I		
I -.05	I 14.11	I		
I -.10	I 10.24	I		
I -.23	I 8.15	I		
I -.51	I 6.18	I		

----->>> 1030 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 538.1 (5.8) W/M**2 730.5 (7.4) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 11.26 (.20)	I 3.38 (.002)	I 7.8 (1.3)	I 137.2 (8.8)
I 8.50	I 11.54 (.23)	I 3.34 (.002)	I 7.5 (1.3)	I
I 4.25	I 11.96 (.28)	I 3.34 (.002)	I 7.3 (1.2)	I
I 2.13	I 12.51 (.33)	I 3.55 (.003)	I 6.7 (1.2)	I
I 1.06	I 13.32 (.34)	I 3.58 (.003)	I 6.1 (1.2)	I
I .00	I 23.95	I		
I -.02	I 15.37	I		
I -.05	I 15.00	I		
I -.10	I 10.81	I		
I -.23	I 8.15	I		
I -.51	I 6.20	I		

CLOUDS						
I N	LOW	MID-HIGH	BASE (M)	I	I	I
I 2/8	/8	CS	5000	I	I	I
I - - - - - I						
I	PRESSURE (MB)	I		I	VISIBILITY	I WEATHER
I	QFE	QFF I		I	(KM)	I
I	999.4	1007.8 I		I	>20	I

>>> 1100 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
543.1 (2.6) W/M**2 741.4 (4.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
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I 17.00	I 11.63 (.24)	I 3.28 (.002)	I 6.2 (1.3)	I 148.0 (13.1)
I 8.50	I 11.87 (.27)	I 3.22 (.002)	I 5.9 (1.2)	I
I 4.25	I 12.21 (.28)	I 3.19 (.002)	I 5.8 (1.2)	I
I 2.13	I 12.66 (.28)	I 3.39 (.003)	I 5.3 (1.1)	I
I 1.06	I 13.41 (.29)	I 3.40 (.002)	I 4.8 (1.0)	I
I .00	I 26.05	I		
I -.02	I 16.36	I		
I -.05	I 15.76	I		
I -.10	I 11.38	I		
I -.23	I 8.16	I		
I -.51	I 6.21	I		

>>> 1130 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
525.6 (16.7) W/M**2 725.4 (21.5) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
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I 17.00	I 12.03 (.20)	I 3.24 (.004)	I 5.8 (1.1)	I 131.1 (16.1)
I 8.50	I 12.31 (.21)	I 3.17 (.004)	I 5.4 (1.1)	I
I 4.25	I 12.65 (.25)	I 3.13 (.004)	I 5.3 (1.0)	I
I 2.13	I 13.13 (.28)	I 3.33 (.004)	I 4.8 (1.0)	I
I 1.06	I 13.84 (.33)	I 3.33 (.004)	I 4.4 (.9)	I
I .00	I 26.33	I		
I -.02	I 17.34	I		
I -.05	I 16.68	I		
I -.10	I 11.94	I		
I -.23	I 8.19	I		
I -.51	I 6.21	I		

>>> 80-05-07 1200 LT S Y N O P <<<

CLOUDS						
I N	LOW	MID-HIGH	BASE (M)	I	I	I
I 2/8	/8	CI	5000	I	I	I
I - - - - - I						
I	PRESSURE (MB)	I		I	VISIBILITY	I WEATHER
I	QFE	QFF I		I	(KM)	I
I	998.8	1007.1 I		I	>20	I

>>> 1200 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
566.8 (4.5) W/M**2 771.4 (7.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
------------	------------------	------------------	------------------	----------------------

I 17.00	I 12.61 (.30)	I 3.47 (.003)	I 6.0 (1.3)	I 140.8 (16.6)
I 8.50	I 12.90 (.35)	I 3.41 (.004)	I 5.7 (1.4)	I
I 4.25	I 13.27 (.37)	I 3.39 (.003)	I 5.6 (1.4)	I
I 2.13	I 13.77 (.40)	I 3.62 (.004)	I 5.2 (1.3)	I
I 1.06	I 14.55 (.48)	I 3.64 (.003)	I 4.7 (1.2)	I
I .00	I 28.88	I		
I -.02	I 18.63	I		
I -.05	I 17.59	I		
I -.10	I 12.49	I		
I -.23	I 8.24	I		
I -.51	I 6.21	I		

>>> 1230 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
537.6 (11.3) W/M**2 737.7 (16.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
------------	------------------	------------------	------------------	----------------------

I 17.00	I 12.74 (.21)	I 3.03 (.003)	I 6.5 (1.1)	I 161.4 (14.2)
I 8.50	I 13.02 (.26)	I 2.97 (.004)	I 6.3 (1.2)	I
I 4.25	I 13.47 (.32)	I 2.96 (.004)	I 6.1 (1.1)	I
I 2.13	I 14.00 (.34)	I 3.17 (.004)	I 5.6 (1.0)	I
I 1.06	I 14.84 (.34)	I 3.19 (.004)	I 5.1 (1.0)	I
I .00	I 27.20	I		
I -.02	I 19.13	I		
I -.05	I 18.22	I		
I -.10	I 13.08	I		
I -.23	I 8.32	I		
I -.51	I 6.24	I		

>>> 80-05-07 1300 LT S Y N O P <<<

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CLOUDS				BASE (M)		PRESIPITATION	
I	N	LOW	MID-HIGH	I	SINCE 01LT	I	I
I	3/8	1/8 CU	CI	1500	I	(MM)	I

PRESSURE (MB)		GEOSTROPHIC WIND (M/S)		VISIBILITY		WEATHER	
I	QFE	QFF	UG	VG	UG-850-VG	I	(KM)
I	998.4	1006.7	I	-4	11.3	.6	6.7
				I		>20	I

----->>> 1300 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 537.4 (13.2) W/M**2 741.7 (19.4) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 13.00 (.24)	I 3.04 (.003)	I 5.9 (1.4)	I 151.6 (14.5) I
I 8.50	I 13.26 (.29)	I 2.98 (.003)	I 5.6 (1.3)	I I
I 4.25	I 13.62 (.32)	I 2.96 (.003)	I 5.5 (1.3)	I I
I 2.13	I 14.09 (.33)	I 3.17 (.003)	I 5.1 (1.3)	I I
I 1.06	I 14.86 (.39)	I 3.16 (.003)	I 4.6 (1.1)	I I
I .00	I 26.92	I		
I -.02	I 19.47	I		
I -.05	I 18.50	I		
I -.10	I 13.62	I		
I -.23	I 8.39	I		
I -.51	I 6.24	I		

----->>> 1330 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 514.2 (21.1) W/M**2 720.7 (34.9) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 13.27 (.22)	I 3.05 (.002)	I 5.5 (1.3)	I 163.4 (20.2) I
I 8.50	I 13.56 (.25)	I 3.01 (.003)	I 5.3 (1.3)	I I
I 4.25	I 13.93 (.29)	I 2.99 (.003)	I 5.2 (1.3)	I I
I 2.13	I 14.39 (.33)	I 3.22 (.004)	I 4.8 (1.2)	I I
I 1.06	I 15.16 (.39)	I 3.22 (.003)	I 4.3 (1.1)	I I
I .00	I 28.28	I		
I -.02	I 20.20	I		
I -.05	I 19.03	I		
I -.10	I 14.05	I		
I -.23	I 8.49	I		
I -.51	I 6.24	I		

>>> 80-05-07 1400 LT S Y N O P <<<

CLOUDS				BASE (M)			
I	N	LOW	MID-HIGH	I		I	I
I	3/8	1/8 CU	CI	1500	I		I

PRESSURE (MB)				VISIBILITY		WEATHER	
I	QFE	QFF	I	I	(KM)	I	I
I	998.0	1006.3	I	I	>20	I	I

----->>> 1400 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 400.7 (27.9) W/M**2 584.9 (35.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 13.44 (.27)	I 3.07 (.004)	I 4.6 (1.2)	I 155.9 (18.2) I
I 8.50	I 13.73 (.30)	I 3.05 (.004)	I 4.3 (1.3)	I I
I 4.25	I 14.02 (.33)	I 3.01 (.004)	I 4.3 (1.3)	I I
I 2.13	I 14.36 (.33)	I 3.22 (.004)	I 4.0 (1.3)	I I
I 1.06	I 14.96 (.37)	I 3.17 (.004)	I 3.7 (1.2)	I I
I .00	I 26.94	I		
I -.02	I 20.25	I		
I -.05	I 19.21	I		
I -.10	I 14.47	I		
I -.23	I 8.59	I		
I -.51	I 6.24	I		

----->>> 1430 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 404.8 (33.5) W/M**2 591.5 (41.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 13.67 (.16)	I 3.18 (.004)	I 4.2 (1.0)	I 143.8 (24.8) I
I 8.50	I 13.85 (.19)	I 3.18 (.004)	I 4.0 (1.0)	I I
I 4.25	I 14.08 (.25)	I 3.10 (.004)	I 3.9 (1.1)	I I
I 2.13	I 14.49 (.25)	I 3.36 (.004)	I 3.6 (1.0)	I I
I 1.06	I 15.09 (.28)	I 3.31 (.004)	I 3.3 (1.0)	I I
I .00	I 27.45	I		
I -.02	I 20.48	I		
I -.05	I 19.21	I		
I -.10	I 14.81	I		
I -.23	I 8.71	I		
I -.51	I 6.25	I		

CLOUDS						
I	N	LOW	MID-HIGH	BASE (M)	I	I
I	4/8	1/8 CU	CS	1500	I	I

I	PRESSURE (MB)			I	VISIBILITY	I WEATHER
I	QFE	QFF	I	I	(KM)	I
I	997.3	1005.7	I	I	>20	I

----->>> 1500 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 313.2 (34.1) W/M**2 483.9 (47.9) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 13.87 (.17)	I 3.27 (.002)	I 4.7 (1.1)	I 152.3 (14.8)
I 8.50	I 14.13 (.23)	I 3.25 (.003)	I 4.4 (1.1)	I
I 4.25	I 14.41 (.31)	I 3.22 (.003)	I 4.3 (1.1)	I
I 2.13	I 14.73 (.36)	I 3.42 (.003)	I 3.9 (1.0)	I
I 1.06	I 15.25 (.41)	I 3.37 (.003)	I 3.6 (.9)	I
I .00	I 23.88	I		
I -.02	I 19.49	I		
I -.05	I 18.81	I		
I -.10	I 15.05	I		
I -.23	I 8.84	I		
I -.51	I 6.25	I		

----->>> 1530 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 295.9 (51.1) W/M**2 458.2 (60.0) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 14.02 (.18)	I 3.41 (.006)	I 5.6 (1.4)	I 140.4 (14.5)
I 8.50	I 14.22 (.21)	I 3.37 (.006)	I 5.3 (1.3)	I
I 4.25	I 14.54 (.22)	I 3.34 (.006)	I 5.1 (1.3)	I
I 2.13	I 14.91 (.22)	I 3.55 (.006)	I 4.6 (1.3)	I
I 1.06	I 15.48 (.22)	I 3.54 (.006)	I 4.2 (1.2)	I
I .00	I 23.87	I		
I -.02	I 19.54	I		
I -.05	I 18.50	I		
I -.10	I 15.15	I		
I -.23	I 8.96	I		
I -.51	I 6.25	I		

>>> 80-05-07 1600 LT S Y N O P <<<

CLOUDS						
I	N	LOW	MID-HIGH	BASE (M)	I	I
I	3/8	/8	CS	5000	I	I

I	PRESSURE (MB)			I GEOSTROPHIC WIND (M/S)	I VISIBILITY	I WEATHER
I	QFE	QFF	I UG VG	I	(KM)	I
I	996.6	1005.0	I .1 12.2	I	>20	I

----->>> 1600 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 295.0 (12.9) W/M**2 462.1 (15.4) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 13.92 (.18)	I 3.61 (.004)	I 5.8 (1.2)	I 130.0 (16.2)
I 8.50	I 14.15 (.21)	I 3.56 (.004)	I 5.6 (1.2)	I
I 4.25	I 14.40 (.26)	I 3.52 (.004)	I 5.4 (1.1)	I
I 2.13	I 14.79 (.25)	I 3.73 (.004)	I 4.9 (1.1)	I
I 1.06	I 15.39 (.26)	I 3.74 (.004)	I 4.4 (1.0)	I
I .00	I 22.85	I		
I -.02	I 19.26	I		
I -.05	I 18.17	I		
I -.10	I 15.20	I		
I -.23	I 9.09	I		
I -.51	I 6.25	I		

----->>> 1630 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 224.7 (19.2) W/M**2 385.2 (23.7) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 13.32 (.23)	I 3.96 (.004)	I 7.5 (.9)	I 117.2 (9.5)
I 8.50	I 13.58 (.23)	I 3.93 (.004)	I 7.1 (1.0)	I
I 4.25	I 13.86 (.25)	I 3.86 (.004)	I 6.8 (1.0)	I
I 2.13	I 14.26 (.24)	I 4.08 (.004)	I 6.2 (1.0)	I
I 1.06	I 14.75 (.26)	I 4.01 (.004)	I 5.6 (1.0)	I
I .00	I 20.43	I		
I -.02	I 18.82	I		
I -.05	I 17.76	I		
I -.10	I 15.19	I		
I -.23	I 9.23	I		
I -.51	I 6.25	I		

CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	3/8	/8	CI	5000	I	I	I

I	PRESSURE (MB)			I	VISIBILITY		I
I	QFE QFF I			I	(KM)		I
I	996.6	1004.9	I	I	10	I	I

----->>> 1700 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 105.1 (23.9) W/M**2 243.6 (29.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 12.78 (.12)	I 4.13 (.002)	I 8.1 (.8)	I 115.3 (7.6)
I 8.50	I 13.01 (.13)	I 4.11 (.002)	I 7.5 (.9)	I
I 4.25	I 13.22 (.15)	I 4.03 (.003)	I 7.1 (.9)	I
I 2.13	I 13.47 (.15)	I 4.24 (.003)	I 6.5 (.9)	I
I 1.06	I 13.78 (.16)	I 4.11 (.003)	I 5.8 (.9)	I
I .00	I 17.11	I		
I -.02	I 17.48	I		
I -.05	I 16.95	I		
I -.10	I 15.13	I		
I -.23	I 9.37	I		
I -.51	I 6.26	I		

----->>> 1730 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 65.4 (20.0) W/M**2 191.0 (24.6) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 12.35 (.08)	I 4.20 (.001)	I 7.8 (.9)	I 123.0 (5.6)
I 8.50	I 12.54 (.09)	I 4.17 (.002)	I 7.2 (.9)	I
I 4.25	I 12.73 (.11)	I 4.10 (.002)	I 6.9 (1.0)	I
I 2.13	I 12.92 (.11)	I 4.29 (.002)	I 6.2 (1.0)	I
I 1.06	I 13.15 (.12)	I 4.16 (.002)	I 5.5 (.9)	I
I .00	I 16.23	I		
I -.02	I 16.46	I		
I -.05	I 16.07	I		
I -.10	I 14.93	I		
I -.23	I 9.49	I		
I -.51	I 6.28	I		

>>> 80-05-07 1800 LT S Y N O P <<<

CLOUDS						SOILWATER	
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	2/8	/8	CS	5000	I	I	I

I	PRESSURE (MB)			I	VISIBILITY		I
I	QFE QFF I			I	(KM)		I
I	996.3	1004.7	I	I	10	I	I

----->>> 1800 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 14.1 (10.7) W/M**2 135.3 (13.7) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 11.88 (.60)	I 4.13 (.001)	I 7.3 (.9)	I 115.2 (7.3)
I 8.50	I 12.02 (.60)	I 4.12 (.001)	I 6.7 (1.0)	I
I 4.25	I 12.12 (.58)	I 4.04 (.001)	I 6.4 (.9)	I
I 2.13	I 12.24 (.60)	I 4.24 (.001)	I 5.8 (.8)	I
I 1.06	I 12.38 (.57)	I 4.09 (.001)	I 5.1 (.9)	I
I .00	I 14.37	I		
I -.02	I 15.34	I		
I -.05	I 15.23	I		
I -.10	I 14.66	I		
I -.23	I 9.62	I		
I -.51	I 6.29	I		

----->>> 1830 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -14.6 (8.0) W/M**2 103.6 (7.6) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 11.40 (.10)	I 4.10 (.001)	I 6.9 (1.0)	I 116.6 (5.7)
I 8.50	I 11.51 (.10)	I 4.10 (.001)	I 6.4 (.9)	I
I 4.25	I 11.57 (.10)	I 4.01 (.001)	I 6.0 (.9)	I
I 2.13	I 11.65 (.10)	I 4.20 (.001)	I 5.3 (.8)	I
I 1.06	I 11.73 (.11)	I 4.04 (.001)	I 4.8 (.8)	I
I .00	I 13.12	I		
I -.02	I 14.42	I		
I -.05	I 14.43	I		
I -.10	I 14.32	I		
I -.23	I 9.74	I		
I -.51	I 6.31	I		

>>> 80-05-07 1900 LT S Y N O P <<<

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CLOUDS				PRESIPITATION	
N	LOW	MID-HIGH	BASE (M)	SINCE 07LT	
4/8	/8	CS	7000	(MM)	
PRESSURE (MB) GEOSTROPHIC WIND (M/S) VISIBILITY WEATHER					
QFE	QFF	UG	VG	(KM)	
996.1	1004.5	-3	12.2	10	

1900 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 -62.8 (4.1) W/M**2 45.5 (6.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	10.64 (.12)	4.10 (.002)	6.6 (.7)	110.9 (6.3)
8.50	10.66 (.13)	4.11 (.003)	5.9 (.7)	
4.25	10.65 (.14)	4.00 (.003)	5.5 (.8)	
2.13	10.66 (.16)	4.19 (.003)	4.9 (.7)	
1.06	10.66 (.17)	4.00 (.003)	4.4 (.7)	
.00	11.58			
-.02	13.46			
-.05	13.68			
-.10	13.95			
-.23	9.84			
-.51	6.33			

1930 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 -78.0 (3.6) W/M**2 18.9 (5.8) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	10.03 (.21)	4.18 (.002)	5.5 (.6)	115.4 (4.5)
8.50	9.96 (.24)	4.19 (.002)	4.7 (.7)	
4.25	9.89 (.26)	4.05 (.002)	4.3 (.6)	
2.13	9.84 (.27)	4.24 (.002)	3.7 (.6)	
1.06	9.79 (.28)	4.03 (.002)	3.3 (.6)	
.00	10.39			
-.02	12.47			
-.05	12.92			
-.10	13.54			
-.23	9.90			
-.51	6.33			

>>> 80-05-07 2000 LT S Y N O P <<<

CLOUDS				PRESIPITATION	
N	LOW	MID-HIGH	BASE (M)	SINCE 07LT	
6/8	/8	CS	7000	(MM)	
PRESSURE (MB) GEOSTROPHIC WIND (M/S) VISIBILITY WEATHER					
QFE	QFF	UG	VG	(KM)	
996.2	1004.7			10	

2000 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 -85.9 (1.7) W/M**2 1.4 (1.5) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	9.19 (.20)	4.20 (.002)	5.3 (.5)	115.7 (4.5)
8.50	9.01 (.24)	4.21 (.002)	4.4 (.5)	
4.25	8.88 (.25)	4.05 (.002)	3.8 (.5)	
2.13	8.80 (.27)	4.23 (.002)	3.3 (.5)	
1.06	8.73 (.27)	4.01 (.002)	3.0 (.5)	
.00	9.12			
-.02	11.58			
-.05	12.20			
-.10	13.12			
-.23	9.96			
-.51	6.33			

2030 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 -80.7 (2.9) W/M**2 -1.9 (.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	8.47 (.13)	4.18 (.001)	4.8 (.4)	108.1 (5.0)
8.50	8.27 (.13)	4.22 (.002)	4.1 (.5)	
4.25	8.11 (.15)	4.05 (.002)	3.6 (.5)	
2.13	8.00 (.16)	4.24 (.001)	3.0 (.5)	
1.06	7.92 (.16)	4.00 (.001)	2.7 (.5)	
.00	8.26			
-.02	10.81			
-.05	11.52			
-.10	12.72			
-.23	10.01			
-.51	6.35			

CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	7/8	/8	CS	7000	I	I	I
I PRESSURE (MB) I				I VISIBILITY I		I WEATHER I	
I QFE QFF I				I (KM) I		I I	
I 996.4 1005.0 I				I 10 I		I I	

----->>> 2100 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -67.3 (1.6) W/M**2 -2.0 (.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.88 (.08)	I 4.19 (.002)	I 4.4 (.3)	I 107.6 (4.5) I
I 8.50	I 7.71 (.07)	I 4.25 (.002)	I 3.7 (.3)	I I
I 4.25	I 7.56 (.07)	I 4.07 (.002)	I 3.2 (.3)	I I
I 2.13	I 7.46 (.06)	I 4.26 (.001)	I 2.7 (.3)	I I
I 1.06	I 7.40 (.06)	I 4.03 (.002)	I 2.4 (.3)	I I
I .00	I 7.94	I		
I -.02	I 10.26	I		
I -.05	I 10.98	I		
I -.10	I 12.31	I		
I -.23	I 10.04	I		
I -.51	I 6.37	I		

----->>> 2130 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -64.9 (2.0) W/M**2 -1.8 (.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.44 (.07)	I 4.21 (.001)	I 4.2 (.3)	I 102.4 (3.2) I
I 8.50	I 7.28 (.07)	I 4.27 (.002)	I 3.5 (.4)	I I
I 4.25	I 7.13 (.08)	I 4.08 (.002)	I 3.0 (.3)	I I
I 2.13	I 7.05 (.08)	I 4.28 (.001)	I 2.5 (.4)	I I
I 1.06	I 6.99 (.08)	I 4.04 (.002)	I 2.2 (.3)	I I
I .00	I 7.60	I		
I -.02	I 9.81	I		
I -.05	I 10.55	I		
I -.10	I 11.93	I		
I -.23	I 10.07	I		
I -.51	I 6.38	I		

>>> 80-05-07 2200 LT S Y N O P <<<

CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	6/8	/8	CS	7000	I	I	I
I PRESSURE (MB) I				I GEOSTROPHIC WIND (M/S) I		I VISIBILITY I	
I QFE QFF I				I UG VG I		I (KM) I	
I 996.1 1004.7 I				I -.2 10.1 I		I 10 I	

----->>> 2200 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -71.4 (2.8) W/M**2 -2.0 (.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.05 (.13)	I 4.22 (.001)	I 4.0 (.3)	I 104.4 (3.6) I
I 8.50	I 6.89 (.14)	I 4.27 (.001)	I 3.4 (.3)	I I
I 4.25	I 6.71 (.16)	I 4.08 (.001)	I 2.9 (.3)	I I
I 2.13	I 6.60 (.16)	I 4.26 (.001)	I 2.5 (.3)	I I
I 1.06	I 6.53 (.17)	I 4.02 (.001)	I 2.1 (.4)	I I
I .00	I 7.07	I		
I -.02	I 9.36	I		
I -.05	I 10.10	I		
I -.10	I 11.54	I		
I -.23	I 10.03	I		
I -.51	I 6.37	I		

----->>> 2230 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -74.3 (.9) W/M**2 -2.1 (.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.66 (.06)	I 4.23 (.001)	I 4.1 (.2)	I 109.8 (3.5) I
I 8.50	I 6.39 (.09)	I 4.26 (.001)	I 3.5 (.2)	I I
I 4.25	I 6.10 (.12)	I 4.05 (.002)	I 2.8 (.3)	I I
I 2.13	I 5.94 (.13)	I 4.22 (.002)	I 2.3 (.3)	I I
I 1.06	I 5.85 (.13)	I 3.98 (.002)	I 2.1 (.3)	I I
I .00	I 6.31	I		
I -.02	I 8.84	I		
I -.05	I 9.64	I		
I -.10	I 11.17	I		
I -.23	I 9.98	I		
I -.51	I 6.35	I		

>>> 80-05-07 2300 LT S Y N O P <<<

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CLOUDS						
I	N	LOW	MID-HIGH	BASE (M)	I	I
I	4/8	/8	CS	7000	I	I

PRESSURE (MB)					VISIBILITY	WEATHER
I	QFE	QFF	I	I	(KM)	I
I	996.0	1004.6	I	I	20	I

----->>> 2300 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -69.6 (1.0) W/M**2 -1.9 (.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.28 (.08)	I 4.20 (.001)	I 3.8 (.2)	I 110.4 (3.7)
I 8.50	I 5.97 (.09)	I 4.25 (.001)	I 3.2 (.3)	I
I 4.25	I 5.51 (.11)	I 4.00 (.002)	I 2.6 (.3)	I
I 2.13	I 5.26 (.11)	I 4.16 (.002)	I 2.0 (.2)	I
I 1.06	I 5.15 (.12)	I 3.90 (.002)	I 1.7 (.2)	I
I .00	I 5.78	I		
I -.02	I 8.39	I		
I -.05	I 9.19	I		
I -.10	I 10.81	I		
I -.23	I 9.93	I		
I -.51	I 6.35	I		

----->>> 2330 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -65.0 (1.3) W/M**2 -1.9 (.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.00 (.09)	I 4.20 (.001)	I 4.1 (.2)	I 107.4 (3.2)
I 8.50	I 5.64 (.11)	I 4.24 (.002)	I 3.4 (.3)	I
I 4.25	I 5.22 (.05)	I 4.03 (.002)	I 2.7 (.3)	I
I 2.13	I 5.04 (.05)	I 4.20 (.002)	I 2.1 (.3)	I
I 1.06	I 4.95 (.06)	I 3.96 (.002)	I 1.8 (.3)	I
I .00	I 5.53	I		
I -.02	I 8.02	I		
I -.05	I 8.80	I		
I -.10	I 10.48	I		
I -.23	I 9.87	I		
I -.51	I 6.35	I		

>>> 80-05-08 0000 LT S Y N O P <<<

CLOUDS						
I	N	LOW	MID-HIGH	BASE (M)	I	I
I	4/8	/8	CS	7000	I	I

PRESSURE (MB)					VISIBILITY	WEATHER
I	QFE	QFF	I	I	(KM)	I
I	995.8	1004.4	I	I	20	I

----->>> 0000 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -66.0 (1.5) W/M**2 -2.0 (.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 5.73 (.05)	I 4.24 (.001)	I 4.3 (.2)	I 104.1 (2.8)
I 8.50	I 5.40 (.05)	I 4.31 (.002)	I 3.7 (.3)	I
I 4.25	I 5.16 (.04)	I 4.13 (.002)	I 3.0 (.3)	I
I 2.13	I 5.04 (.04)	I 4.28 (.001)	I 2.5 (.3)	I
I 1.06	I 4.97 (.04)	I 4.08 (.002)	I 2.1 (.3)	I
I .00	I 5.39	I		
I -.02	I 7.73	I		
I -.05	I 8.48	I		
I -.10	I 10.17	I		
I -.23	I 9.81	I		
I -.51	I 6.37	I		

----->>> 0030 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -63.6 (1.7) W/M**2 -1.9 (.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 5.54 (.05)	I 4.26 (.001)	I 4.4 (.2)	I 105.3 (2.9)
I 8.50	I 5.23 (.07)	I 4.34 (.001)	I 3.8 (.2)	I
I 4.25	I 4.93 (.07)	I 4.16 (.001)	I 3.1 (.3)	I
I 2.13	I 4.80 (.07)	I 4.29 (.001)	I 2.5 (.3)	I
I 1.06	I 4.74 (.07)	I 4.11 (.001)	I 2.2 (.3)	I
I .00	I 5.16	I		
I -.02	I 7.44	I		
I -.05	I 8.19	I		
I -.10	I 9.89	I		
I -.23	I 9.76	I		
I -.51	I 6.38	I		

CLOUDS				PRESIPITATION	
I N	LOW	MID-HIGH	BASE (M)	I SINCE 13LT	I
I 4/8	/8	CS	7000	I	(MM)
I					
PRESSURE (MB)		GEOSTROPHIC WIND (M/S)		VISIBILITY	
I QFE	I QFF	I UG	VG	UG-850-VG	I (KM)
I 995.3	1003.9	I -3.4	9.2	-2.4 9.0	I 20
I					

----->>> 0100 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -59.8 (1.2) W/M**2 -1.8 (.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 5.24 (.11)	I 4.24 (.001)	I 4.4 (.3)	I 105.1 (3.6)
I 8.50	I 4.98 (.09)	I 4.31 (.001)	I 3.7 (.2)	I
I 4.25	I 4.78 (.06)	I 4.17 (.001)	I 3.1 (.3)	I
I 2.13	I 4.67 (.05)	I 4.30 (.001)	I 2.6 (.3)	I
I 1.06	I 4.61 (.05)	I 4.14 (.001)	I 2.3 (.3)	I
I .00	I 5.04	I		
I -.02	I 7.21	I		
I -.05	I 7.92	I		
I -.10	I 9.61	I		
I -.23	I 9.70	I		
I -.51	I 6.39	I		

----->>> 0130 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -53.7 (1.5) W/M**2 -1.6 (.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 4.86 (.09)	I 4.23 (.001)	I 4.4 (.3)	I 103.8 (4.1)
I 8.50	I 4.71 (.03)	I 4.31 (.001)	I 3.8 (.3)	I
I 4.25	I 4.61 (.03)	I 4.17 (.001)	I 3.3 (.3)	I
I 2.13	I 4.56 (.04)	I 4.31 (.001)	I 2.8 (.3)	I
I 1.06	I 4.53 (.05)	I 4.17 (.001)	I 2.5 (.3)	I
I .00	I 5.03	I		
I -.02	I 7.02	I		
I -.05	I 7.70	I		
I -.10	I 9.35	I		
I -.23	I 9.62	I		
I -.51	I 6.40	I		

>>> 80-05-08 0200 LT S Y N O P <<<

CLOUDS				PRESIPITATION	
I N	LOW	MID-HIGH	BASE (M)	I SINCE 13LT	I
I 7/8	/8	CS	6000	I	(MM)
I					
PRESSURE (MB)		GEOSTROPHIC WIND (M/S)		VISIBILITY	
I QFE	I QFF	I UG	VG	UG-850-VG	I (KM)
I 995.0	1003.6	I			I 20
I					

----->>> 0200 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -54.4 (2.7) W/M**2 -1.4 (.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 4.46 (.11)	I 4.21 (.001)	I 4.2 (.5)	I 98.4 (3.5)
I 8.50	I 4.44 (.10)	I 4.29 (.001)	I 3.5 (.5)	I
I 4.25	I 4.39 (.09)	I 4.15 (.001)	I 3.2 (.4)	I
I 2.13	I 4.35 (.08)	I 4.28 (.001)	I 2.8 (.4)	I
I 1.06	I 4.33 (.08)	I 4.15 (.001)	I 2.5 (.4)	I
I .00	I 4.87	I		
I -.02	I 6.83	I		
I -.05	I 7.49	I		
I -.10	I 9.11	I		
I -.23	I 9.55	I		
I -.51	I 6.42	I		

----->>> 0230 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -41.8 (1.8) W/M**2 -1.1 (.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 4.09 (.05)	I 4.16 (.001)	I 4.1 (.5)	I 100.6 (4.5)
I 8.50	I 4.10 (.03)	I 4.23 (.001)	I 3.4 (.5)	I
I 4.25	I 4.09 (.02)	I 4.09 (.001)	I 3.1 (.5)	I
I 2.13	I 4.09 (.02)	I 4.24 (.001)	I 2.7 (.5)	I
I 1.06	I 4.10 (.02)	I 4.11 (.001)	I 2.3 (.5)	I
I .00	I 4.93	I		
I -.02	I 6.70	I		
I -.05	I 7.32	I		
I -.10	I 8.90	I		
I -.23	I 9.46	I		
I -.51	I 6.42	I		

CLOUDS				BASE (M)		VISIBILITY		WEATHER	
I	N	LOW	MID-HIGH	I	I	I	I	I	I
I	8/8	/8	AC CS	I	I	I	I	I	I
I				I	4000	I		I	
I	PRESSURE (MB)			I	VISIBILITY			I	WEATHER
I	QFE			I	(KM)			I	
I	994.7	1003.3	I	I	5	I		I	

----->>> 0300 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -36.5 (.5) W/M**2 -9 (.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 4.00 (.03)	I 4.17 (.001)	I 2.7 (.5)	I 86.5 (7.0)
I 8.50	I 4.07 (.04)	I 4.26 (.001)	I 2.3 (.6)	I
I 4.25	I 4.08 (.04)	I 4.11 (.001)	I 2.3 (.5)	I
I 2.13	I 4.10 (.04)	I 4.26 (.001)	I 1.9 (.5)	I
I 1.06	I 4.11 (.03)	I 4.13 (.001)	I 1.6 (.5)	I
I .00	I 5.04	I		
I -.02	I 6.62	I		
I -.05	I 7.19	I		
I -.10	I 8.69	I		
I -.23	I 9.38	I		
I -.51	I 6.44	I		

----->>> 0330 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -47.9 (2.1) W/M**2 -3 (.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 4.07 (.03)	I 4.16 (.001)	I 2.3 (.3)	I 74.2 (6.2)
I 8.50	I 4.10 (.02)	I 4.24 (.001)	I 2.0 (.2)	I
I 4.25	I 4.07 (.03)	I 4.06 (.001)	I 1.9 (.3)	I
I 2.13	I 4.03 (.06)	I 4.21 (.001)	I 1.6 (.3)	I
I 1.06	I 3.99 (.07)	I 4.03 (.001)	I 1.3 (.3)	I
I .00	I 4.69	I		
I -.02	I 6.48	I		
I -.05	I 7.06	I		
I -.10	I 8.52	I		
I -.23	I 9.29	I		
I -.51	I 6.44	I		

>>> 80-05-08 0400 LT S Y N O P <<<

CLOUDS				BASE (M)		VISIBILITY		WEATHER	
I	N	LOW	MID-HIGH	I	I	I	I	I	I
I	8/8	/8	AC CS	I	I	I	I	I	I
I				I	4000	I		I	
I	PRESSURE (MB)			I	VISIBILITY			I	WEATHER
I	QFE			I	(KM)			I	
I	994.1	1002.7	I	I	6	I		I	

----->>> 0400 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -34.3 (3.2) W/M**2 7.5 (2.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 4.02 (.06)	I 4.13 (.001)	I 2.0 (.3)	I 78.8 (5.7)
I 8.50	I 4.02 (.04)	I 4.23 (.001)	I 1.7 (.3)	I
I 4.25	I 3.95 (.02)	I 4.01 (.001)	I 1.5 (.2)	I
I 2.13	I 3.90 (.04)	I 4.20 (.001)	I 1.1 (.2)	I
I 1.06	I 3.88 (.06)	I 3.99 (.001)	I .9 (.2)	I
I .00	I 4.61	I		
I -.02	I 6.32	I		
I -.05	I 6.89	I		
I -.10	I 8.35	I		
I -.23	I 9.22	I		
I -.51	I 6.45	I		

----->>> 0430 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -11.8 (10.1) W/M**2 26.9 (11.6) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 3.96 (.04)	I 4.17 (.001)	I 1.9 (.3)	I 81.6 (7.3)
I 8.50	I 4.04 (.04)	I 4.29 (.001)	I 1.5 (.3)	I
I 4.25	I 4.07 (.05)	I 4.09 (.001)	I 1.4 (.2)	I
I 2.13	I 4.10 (.06)	I 4.30 (.001)	I 1.2 (.3)	I
I 1.06	I 4.14 (.07)	I 4.10 (.001)	I 1.0 (.3)	I
I .00	I 5.22	I		
I -.02	I 6.35	I		
I -.05	I 6.82	I		
I -.10	I 8.19	I		
I -.23	I 9.13	I		
I -.51	I 6.47	I		

CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	8/8	/8	AC CS	4000	I	I	I

I	PRESSURE (MB)				I	VISIBILITY	
I	QFE QFF				I	(KM)	
I	993.2	1001.8	I		I	6	I

----->>> 0500 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 34.8 (6.1) W/M**2 83.1 (3.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 4.47 (.18)	I 4.30 (.000)	I 2.2 (.4)	I 85.2 (10.6)
I 8.50	I 4.59 (.16)	I 4.42 (.000)	I 1.9 (.5)	I
I 4.25	I 4.64 (.16)	I 4.25 (.001)	I 1.9 (.5)	I
I 2.13	I 4.74 (.19)	I 4.45 (.000)	I 1.7 (.5)	I
I 1.06	I 4.85 (.15)	I 4.32 (.001)	I 1.4 (.5)	I
I .00	I 7.07	I		
I -.02	I 6.75	I		
I -.05	I 7.00	I		
I -.10	I 8.05	I		
I -.23	I 9.03	I		
I -.51	I 6.47	I		

----->>> 0530 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 9.1 (8.5) W/M**2 55.5 (5.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 4.84 (.10)	I 4.38 (.001)	I 3.6 (.7)	I 91.9 (6.6)
I 8.50	I 4.96 (.09)	I 4.46 (.001)	I 3.2 (.8)	I
I 4.25	I 5.03 (.09)	I 4.32 (.001)	I 3.2 (.7)	I
I 2.13	I 5.13 (.07)	I 4.49 (.001)	I 2.7 (.7)	I
I 1.06	I 5.22 (.06)	I 4.37 (.001)	I 2.2 (.7)	I
I .00	I 6.92	I		
I -.02	I 7.02	I		
I -.05	I 7.30	I		
I -.10	I 8.07	I		
I -.23	I 9.03	I		
I -.51	I 6.56	I		

>>> 80-05-08 0600 LT S Y N O P <<<

CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	8/8	6/8 CU	AC X	1500	I	I	I

I	PRESSURE (MB)				I	VISIBILITY	
I	QFE QFF				I	(KM)	
I	992.6	1001.2	I		I	5	I

----->>> 0600 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 48.3 (13.5) W/M**2 103.6 (12.0) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 4.97 (.06)	I 4.39 (.001)	I 3.9 (.6)	I 96.8 (7.1)
I 8.50	I 5.10 (.07)	I 4.47 (.001)	I 3.5 (.7)	I
I 4.25	I 5.19 (.07)	I 4.35 (.001)	I 3.5 (.5)	I
I 2.13	I 5.31 (.07)	I 4.52 (.001)	I 3.1 (.6)	I
I 1.06	I 5.44 (.09)	I 4.44 (.001)	I 2.6 (.6)	I
I .00	I 6.16	I		
I -.02	I 5.57	I		
I -.05	I 6.00	I		
I -.10	I 6.39	I		
I -.23	I 7.20	I		
I -.51	I 5.16	I		

----->>> 0630 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 73.4 (11.1) W/M**2 106.5 (14.9) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 5.30 (.14)	I 4.49 (.001)	I 4.0 (.7)	I 88.2 (7.0)
I 8.50	I 5.45 (.14)	I 4.56 (.001)	I 3.5 (.8)	I
I 4.25	I 5.55 (.13)	I 4.45 (.001)	I 3.6 (.8)	I
I 2.13	I 5.71 (.13)	I 4.61 (.001)	I 3.2 (.8)	I
I 1.06	I 5.89 (.14)	I 4.55 (.001)	I 2.5 (.8)	I
I .00	I 8.47	I		
I -.02	I 7.56	I		
I -.05	I 7.66	I		
I -.10	I 8.01	I		
I -.23	I 8.84	I		
I -.51	I 6.56	I		

CLOUDS					PRESIPITATION	
I N	LOW	MID-HIGH	BASE (M)		I SINCE 19LT	I
I 8/8	6/8 CU	AC X	1500		I .0 (MM)	I

PRESSURE (MB)		GEOSTROPHIC WIND (M/S)		VISIBILITY		WEATHER
I QFE	QFF	I UG	VG	I (KM)		I
I 991.6	1000.2	I -2.4	8.0	I 5		I

----->>> 0700 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 153.1 (27.1) W/M**2 213.7 (38.0) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 5.57 (.08)	I 4.51 (.000)	I 4.7 (.8)	I 92.4 (7.0)
I 8.50	I 5.74 (.10)	I 4.58 (.000)	I 4.0 (1.0)	I
I 4.25	I 5.90 (.12)	I 4.48 (.001)	I 4.2 (.9)	I
I 2.13	I 6.12 (.14)	I 4.66 (.001)	I 3.6 (.8)	I
I 1.06	I 6.37 (.15)	I 4.63 (.001)	I 3.0 (.8)	I
I .00	I 10.58	I		
I -.02	I 8.03	I		
I -.05	I 7.95	I		
I -.10	I 8.05	I		
I -.23	I 8.73	I		
I -.51	I 6.54	I		

----->>> 0730 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 54.9 (21.1) W/M**2 77.3 (26.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 5.84 (.18)	I 4.67 (.002)	I 3.8 (.7)	I 135.9 (7.7)
I 8.50	I 5.97 (.17)	I 4.72 (.002)	I 3.7 (.7)	I
I 4.25	I 6.10 (.14)	I 4.60 (.002)	I 3.6 (.7)	I
I 2.13	I 6.25 (.12)	I 4.76 (.003)	I 3.3 (.7)	I
I 1.06	I 6.42 (.09)	I 4.68 (.003)	I 3.0 (.7)	I
I .00	I 9.74	I		
I -.02	I 8.37	I		
I -.05	I 8.41	I		
I -.10	I 8.14	I		
I -.23	I 8.66	I		
I -.51	I 6.53	I		

>>> 80-05-08 0800 LT S Y N O P <<<

CLOUDS					PRESIPITATION	
I N	LOW	MID-HIGH	BASE (M)		I	I
I 8/8	7/8 CU	AC X	300		I	I

PRESSURE (MB)				VISIBILITY		WEATHER
I QFE	QFF	I	I (KM)		I	I
I 991.7	1000.2	I	I 4		I	MO DZ I

----->>> 0800 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 18.1 (4.7) W/M**2 32.0 (5.4) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.32 (.03)	I 5.08 (.002)	I 3.2 (.3)	I 108.3 (8.9)
I 8.50	I 6.42 (.03)	I 5.21 (.003)	I 2.9 (.3)	I
I 4.25	I 6.50 (.03)	I 5.09 (.003)	I 2.8 (.3)	I
I 2.13	I 6.54 (.03)	I 5.30 (.003)	I 2.5 (.3)	I
I 1.06	I 6.61 (.03)	I 5.17 (.003)	I 2.3 (.3)	I
I .00	I 7.79	I		
I -.02	I 8.06	I		
I -.05	I 8.24	I		
I -.10	I 8.25	I		
I -.23	I 8.59	I		
I -.51	I 6.54	I		

----->>> 0830 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 31.3 (10.5) W/M**2 42.8 (12.9) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.58 (.04)	I 5.31 (.001)	I 2.6 (.4)	I 119.8 (8.8)
I 8.50	I 6.69 (.03)	I 5.44 (.001)	I 2.5 (.4)	I
I 4.25	I 6.77 (.03)	I 5.31 (.001)	I 2.5 (.4)	I
I 2.13	I 6.83 (.03)	I 5.53 (.001)	I 2.2 (.4)	I
I 1.06	I 6.90 (.03)	I 5.39 (.001)	I 2.0 (.4)	I
I .00	I 8.36	I		
I -.02	I 8.11	I		
I -.05	I 8.18	I		
I -.10	I 8.29	I		
I -.23	I 8.54	I		
I -.51	I 6.57	I		

CLOUDS								
I	N	LOW	MID-HIGH	BASE (M)	I	I	I	
I	8/8	7/8 ST	AC	X	300	I	I	
I								
I	PRESSURE (MB)				I	VISIBILITY		
I	QFE QFF I				I	(KM)		
I	991.7	1000.2	I		I	3	I DZ LH I	

>>> 0900 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 28.6 (5.5) W/M**2 35.3 (6.9) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.72 (.04)	I 5.45 (.001)	I 4.5 (.6)	I 138.5 (6.8) I
I 8.50	I 6.83 (.03)	I 5.55 (.001)	I 4.2 (.6)	I I
I 4.25	I 6.90 (.03)	I 5.44 (.002)	I 4.0 (.6)	I I
I 2.13	I 6.95 (.02)	I 5.61 (.001)	I 3.6 (.6)	I I
I 1.06	I 7.01 (.02)	I 5.51 (.002)	I 3.2 (.6)	I I
I .00	I 8.08	I		
I -.02	I 8.07	I		
I -.05	I 8.15	I		
I -.10	I 8.29	I		
I -.23	I 8.49	I		
I -.51	I 6.58	I		

>>> 0930 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 46.1 (23.3) W/M**2 57.2 (29.5) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.86 (.04)	I 5.53 (.001)	I 3.9 (.5)	I 138.2 (6.5) I
I 8.50	I 6.96 (.05)	I 5.62 (.001)	I 3.7 (.5)	I I
I 4.25	I 7.02 (.06)	I 5.53 (.001)	I 3.5 (.5)	I I
I 2.13	I 7.08 (.07)	I 5.70 (.001)	I 3.1 (.5)	I I
I 1.06	I 7.14 (.08)	I 5.61 (.001)	I 2.8 (.5)	I I
I .00	I 7.95	I		
I -.02	I 8.01	I		
I -.05	I 8.10	I		
I -.10	I 8.29	I		
I -.23	I 8.45	I		
I -.51	I 6.58	I		

>>> 80-05-08 1000 LT S Y N O P <<<

CLOUDS								
I	N	LOW	MID-HIGH	BASE (M)	I	I	I	
I	8/8	7/8 ST	AC	X	300	I	I	
I								
I	PRESSURE (MB)				I	VISIBILITY		
I	QFE QFF I UG VG				I	(KM)		
I	991.5	1000.0	I	1.5 7.5	I	3	I I	

>>> 1000 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 210.6 (12.4) W/M**2 235.7 (21.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.20 (.09)	I 5.56 (.001)	I 5.1 (.6)	I 145.5 (6.1) I
I 8.50	I 7.38 (.10)	I 5.67 (.001)	I 4.9 (.6)	I I
I 4.25	I 7.54 (.10)	I 5.63 (.001)	I 4.7 (.6)	I I
I 2.13	I 7.73 (.11)	I 5.86 (.001)	I 4.4 (.6)	I I
I 1.06	I 7.96 (.12)	I 5.91 (.001)	I 3.8 (.6)	I I
I .00	I 11.01	I		
I -.02	I 8.91	I		
I -.05	I 8.53	I		
I -.10	I 8.28	I		
I -.23	I 8.40	I		
I -.51	I 6.58	I		

>>> 1030 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 216.2 (35.4) W/M**2 245.3 (37.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.74 (.14)	I 5.72 (.001)	I 4.1 (.5)	I 157.6 (7.3) I
I 8.50	I 7.91 (.15)	I 5.83 (.002)	I 3.9 (.5)	I I
I 4.25	I 8.06 (.19)	I 5.76 (.002)	I 3.9 (.5)	I I
I 2.13	I 8.24 (.22)	I 5.99 (.002)	I 3.6 (.5)	I I
I 1.06	I 8.48 (.25)	I 6.02 (.002)	I 3.2 (.5)	I I
I .00	I 12.26	I		
I -.02	I 9.59	I		
I -.05	I 9.19	I		
I -.10	I 8.40	I		
I -.23	I 8.39	I		
I -.51	I 6.61	I		

CLOUDS									
I	N	LOW	MID-HIGH	BASE (M)	I	I	I	I	I
I	8/8	6/8 ST	AS	X	200	I	I	I	I

I	PRESSURE (MB)				I	VISIBILITY		I	WEATHER
I	QFE				I	(KM)		I	I
I	991.2	999.7			I	4		I	I

>>> 1100 LT P R O F I L E S <<<-----

NET RADIATION GLOBAL RADIATION
218.1 (35.0) W/M**2 246.4 (41.9) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 8.69 (.23)	I 5.94 (.001)	I 4.1 (.5)	I 175.2 (11.0)
I 8.50	I 8.87 (.23)	I 6.06 (.001)	I 3.8 (.5)	I
I 4.25	I 9.02 (.23)	I 5.97 (.001)	I 3.8 (.5)	I
I 2.13	I 9.22 (.23)	I 6.22 (.001)	I 3.4 (.5)	I
I 1.06	I 9.51 (.23)	I 6.27 (.001)	I 3.1 (.5)	I
I .00	I 13.39	I		
I -.02	I 10.67	I		
I -.05	I 10.13	I		
I -.10	I 8.66	I		
I -.23	I 8.39	I		
I -.51	I 6.64	I		

>>> 1130 LT P R O F I L E S <<<-----

NET RADIATION GLOBAL RADIATION
223.2 (74.5) W/M**2 263.5 (92.5) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 9.69 (.19)	I 6.01 (.002)	I 4.5 (1.3)	I 202.3 (15.1)
I 8.50	I 9.90 (.23)	I 6.13 (.002)	I 4.3 (1.3)	I
I 4.25	I 10.06 (.29)	I 6.05 (.002)	I 4.2 (1.3)	I
I 2.13	I 10.27 (.32)	I 6.35 (.002)	I 3.8 (1.2)	I
I 1.06	I 10.55 (.36)	I 6.41 (.002)	I 3.5 (1.0)	I
I .00	I 13.50	I		
I -.02	I 11.09	I		
I -.05	I 10.62	I		
I -.10	I 8.93	I		
I -.23	I 8.34	I		
I -.51	I 6.63	I		

>>> 80-05-08 1200 LT S Y N O P <<<

CLOUDS									
I	N	LOW	MID-HIGH	BASE (M)	I	I	I	I	I
I	8/8	8/8 SC	AS	X	500	I	I	I	I

I	PRESSURE (MB)				I	VISIBILITY		I	WEATHER
I	QFE				I	(KM)		I	I
I	991.1	999.5			I	7		I	I

>>> 1200 LT P R O F I L E S <<<-----

NET RADIATION GLOBAL RADIATION
408.2 (67.4) W/M**2 491.4 (106.6) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 10.42 (.27)	I 6.03 (.003)	I 5.1 (.7)	I 203.1 (12.3)
I 8.50	I 10.65 (.26)	I 6.13 (.004)	I 4.9 (.7)	I
I 4.25	I 10.90 (.31)	I 6.05 (.004)	I 4.9 (.7)	I
I 2.13	I 11.18 (.31)	I 6.40 (.005)	I 4.5 (.7)	I
I 1.06	I 11.60 (.34)	I 6.51 (.004)	I 4.1 (.7)	I
I .00	I 16.62	I		
I -.02	I 12.04	I		
I -.05	I 11.30	I		
I -.10	I 9.21	I		
I -.23	I 8.30	I		
I -.51	I 6.62	I		

>>> 1230 LT P R O F I L E S <<<-----

NET RADIATION GLOBAL RADIATION
211.3 (48.7) W/M**2 247.6 (57.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 11.15 (.12)	I 6.09 (.001)	I 4.5 (.8)	I 214.8 (8.6)
I 8.50	I 11.33 (.12)	I 6.19 (.002)	I 4.3 (.7)	I
I 4.25	I 11.51 (.15)	I 6.03 (.001)	I 4.2 (.7)	I
I 2.13	I 11.69 (.17)	I 6.36 (.002)	I 3.8 (.6)	I
I 1.06	I 12.00 (.16)	I 6.31 (.002)	I 3.5 (.6)	I
I .00	I 16.76	I		
I -.02	I 12.87	I		
I -.05	I 12.22	I		
I -.10	I 9.61	I		
I -.23	I 8.30	I		
I -.51	I 6.63	I		

CLOUDS					PRESIPITATION	
I	N	LOW	MID-HIGH	BASE (M)	I	SINCE 01LT
I	8/8	8/8 SC	AS X	700	I	.4 (MM)

PRESSURE (MB)		GEOSTROPHIC		WIND (M/S)		VISIBILITY
I	QFE	I	QFF	I	UG	I
I	991.0	I	999.4	I	1.9 6.0	I
						WEATHER
						I

----->>> 1300 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 248.7 (75.7) W/M**2 289.3 (95.9) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 11.69 (.15)	I 6.17 (.002)	I 5.1 (.7)	I 213.9 (11.2)
I 8.50	I 11.90 (.17)	I 6.27 (.003)	I 4.8 (.7)	I
I 4.25	I 12.12 (.19)	I 6.12 (.003)	I 4.7 (.7)	I
I 2.13	I 12.32 (.19)	I 6.46 (.003)	I 4.3 (.7)	I
I 1.06	I 12.62 (.20)	I 6.40 (.003)	I 4.0 (.6)	I
I .00	I 17.47	I		
I -.02	I 12.97	I		
I -.05	I 12.30	I		
I -.10	I 10.01	I		
I -.23	I 8.30	I		
I -.51	I 6.64	I		

----->>> 1330 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 85.6 (15.8) W/M**2 114.7 (17.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 11.65 (.05)	I 6.12 (.003)	I 6.6 (.8)	I 226.5 (6.4)
I 8.50	I 11.80 (.05)	I 6.20 (.002)	I 6.1 (.9)	I
I 4.25	I 11.91 (.05)	I 6.03 (.003)	I 5.9 (.9)	I
I 2.13	I 12.04 (.06)	I 6.31 (.002)	I 5.3 (.8)	I
I 1.06	I 12.13 (.07)	I 6.13 (.003)	I 4.8 (.8)	I
I .00	I 13.49	I		
I -.02	I 12.23	I		
I -.05	I 12.17	I		
I -.10	I 10.30	I		
I -.23	I 8.33	I		
I -.51	I 6.66	I		

>>> 80-05-08 1400 LT S Y N O P <<<

CLOUDS					PRESIPITATION	
I	N	LOW	MID-HIGH	BASE (M)	I	SINCE 01LT
I	7/8	7/8 SC	AS	800	I	

PRESSURE (MB)		GEOSTROPHIC		WIND (M/S)		VISIBILITY
I	QFE	I	QFF	I	UG	I
I	990.9	I	999.3	I	1.9 6.0	I
						WEATHER
						I

----->>> 1400 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 374.6 (119.7) W/M**2 486.2 (149.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 11.97 (.20)	I 6.14 (.003)	I 6.3 (.7)	I 239.2 (9.7)
I 8.50	I 12.22 (.26)	I 6.26 (.003)	I 6.0 (.8)	I
I 4.25	I 12.48 (.34)	I 6.18 (.003)	I 5.8 (.7)	I
I 2.13	I 12.78 (.42)	I 6.52 (.004)	I 5.3 (.7)	I
I 1.06	I 13.11 (.50)	I 6.49 (.004)	I 4.7 (.7)	I
I .00	I 17.92	I		
I -.02	I 12.55	I		
I -.05	I 12.03	I		
I -.10	I 10.44	I		
I -.23	I 8.34	I		
I -.51	I 6.67	I		

----->>> 1430 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 428.0 (13.9) W/M**2 566.7 (28.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 12.32 (.21)	I 5.82 (.006)	I 6.8 (1.0)	I 236.4 (9.3)
I 8.50	I 12.60 (.27)	I 5.88 (.006)	I 6.5 (1.0)	I
I 4.25	I 12.89 (.29)	I 5.80 (.006)	I 6.3 (1.0)	I
I 2.13	I 13.31 (.26)	I 6.14 (.006)	I 5.7 (1.0)	I
I 1.06	I 13.79 (.23)	I 6.07 (.006)	I 5.2 (.9)	I
I .00	I 19.78	I		
I -.02	I 14.30	I		
I -.05	I 13.30	I		
I -.10	I 10.61	I		
I -.23	I 8.37	I		
I -.51	I 6.66	I		

>>> 80-05-08 1500 LT S Y N O P <<<

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CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	6/8	6/8 SC	AS	1000	I	I	I
I - - - - - I							
I PRESSURE (MB) I				I VISIBILITY I		I WEATHER I	
I QFE QFF I				I (KM) I		I I	
I 990.7 999.0 I				I 6 I		I I	

----->>> 1500 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 265.4 (68.4) W/M**2 371.6 (107.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 12.75 (.15)	I 5.53 (.002)	I 5.9 (.9)	I 239.1 (10.1) I
I 8.50	I 12.97 (.15)	I 5.54 (.002)	I 5.7 (1.0)	I I
I 4.25	I 13.19 (.17)	I 5.41 (.002)	I 5.5 (1.0)	I I
I 2.13	I 13.50 (.18)	I 5.72 (.003)	I 5.0 (.9)	I I
I 1.06	I 13.92 (.18)	I 5.57 (.003)	I 4.5 (.9)	I I
I .00	I 17.95	I		
I -.02	I 14.43	I		
I -.05	I 13.91	I		
I -.10	I 10.95	I		
I -.23	I 8.39	I		
I -.51	I 6.66	I		

----->>> 1530 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 312.8 (59.9) W/M**2 438.5 (97.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 13.24 (.18)	I 5.26 (.004)	I 5.1 (1.1)	I 228.9 (12.1) I
I 8.50	I 13.48 (.21)	I 5.28 (.004)	I 4.9 (1.0)	I I
I 4.25	I 13.73 (.27)	I 5.15 (.004)	I 4.7 (1.0)	I I
I 2.13	I 14.00 (.27)	I 5.44 (.004)	I 4.3 (1.0)	I I
I 1.06	I 14.49 (.28)	I 5.38 (.004)	I 4.0 (1.0)	I I
I .00	I 20.28	I		
I -.02	I 15.12	I		
I -.05	I 14.18	I		
I -.10	I 11.28	I		
I -.23	I 8.42	I		
I -.51	I 6.64	I		

>>> 80-05-08 1600 LT S Y N O P <<<

CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	6/8	6/8 CB		1500	I	I	I
I - - - - - I							
I PRESSURE (MB) I				I GEOSTROPHIC WIND (M/S) I		I VISIBILITY I	
I QFE QFF I				I UG VG I		I (KM) I	
I 990.1 998.4 I				I 3.9 2.5 I		I 6 I	

----->>> 1600 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 59.7 (70.9) W/M**2 117.3 (64.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 13.50 (.23)	I 5.02 (.003)	I 6.0 (1.8)	I 232.0 (11.3) I
I 8.50	I 13.68 (.24)	I 4.99 (.003)	I 5.5 (1.6)	I I
I 4.25	I 13.83 (.28)	I 4.86 (.003)	I 5.4 (1.5)	I I
I 2.13	I 14.04 (.30)	I 5.14 (.003)	I 4.8 (1.4)	I I
I 1.06	I 14.28 (.37)	I 4.96 (.003)	I 4.4 (1.2)	I I
I .00	I 17.30	I		
I -.02	I 15.08	I		
I -.05	I 14.53	I		
I -.10	I 11.59	I		
I -.23	I 8.47	I		
I -.51	I 6.64	I		

----->>> 1630 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 133.8 (87.5) W/M**2 209.8 (114.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 11.51 (.39)	I 5.35 (.003)	I 5.8 (1.0)	I 252.5 (6.8) I
I 8.50	I 11.65 (.44)	I 5.43 (.004)	I 5.4 (1.0)	I I
I 4.25	I 11.76 (.48)	I 5.33 (.003)	I 5.2 (.9)	I I
I 2.13	I 11.91 (.51)	I 5.63 (.004)	I 4.6 (.8)	I I
I 1.06	I 12.07 (.60)	I 5.43 (.003)	I 4.2 (.8)	I I
I .00	I 14.22	I		
I -.02	I 13.26	I		
I -.05	I 13.38	I		
I -.10	I 11.83	I		
I -.23	I 8.56	I		
I -.51	I 6.68	I		

CLOUDS				BASE (M)		SOILWATER	
I	N	LOW	MID-HIGH	I	I	I	CONTENT
I	3/8	3/8	SC	I	1500	I	60.53 (MM)

PRESSURE (MB)				VISIBILITY		WEATHER	
I	QFE	QFF	I	I	(KM)	I	I
I	990.4	998.7	I	I	6	I	RASH LH

>>> 1700 LT P R O F I L E S <<<-----

NET RADIATION GLOBAL RADIATION
139.6 (39.4) W/M**2 239.1 (61.5) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 12.39 (.13)	I 5.45 (.002)	I 4.6 (.7)	I 245.7 (10.1)
I 8.50	I 12.60 (.15)	I 5.47 (.002)	I 4.4 (.7)	I
I 4.25	I 12.77 (.16)	I 5.36 (.002)	I 4.3 (.7)	I
I 2.13	I 12.95 (.15)	I 5.60 (.002)	I 3.9 (.6)	I
I 1.06	I 13.22 (.14)	I 5.46 (.002)	I 3.6 (.6)	I
I .00	I 16.11	I		
I -.02	I 13.82	I		
I -.05	I 13.39	I		
I -.10	I 11.79	I		
I -.23	I 8.61	I		
I -.51	I 6.67	I		

>>> 1730 LT P R O F I L E S <<<-----

NET RADIATION GLOBAL RADIATION
104.7 (55.9) W/M**2 160.4 (66.5) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 11.63 (.39)	I 5.75 (.006)	I 8.9 (1.4)	I 240.7 (13.7)
I 8.50	I 11.75 (.42)	I 5.83 (.007)	I 8.3 (1.3)	I
I 4.25	I 11.82 (.44)	I 5.73 (.008)	I 7.9 (1.3)	I
I 2.13	I 11.90 (.47)	I 6.07 (.009)	I 7.1 (1.2)	I
I 1.06	I 11.90 (.52)	I 5.95 (.011)	I 6.3 (1.2)	I
I .00	I 12.81	I		
I -.02	I 12.99	I		
I -.05	I 13.02	I		
I -.10	I 11.78	I		
I -.23	I 8.66	I		
I -.51	I 6.67	I		

>>> 80-05-08 1800 LT S Y N O P <<<

CLOUDS				BASE (M)			
I	N	LOW	MID-HIGH	I	I	I	
I	7/8	4/8	AS X	I	1500	I	

PRESSURE (MB)				VISIBILITY		WEATHER	
I	QFE	QFF	I	I	(KM)	I	I
I	990.4	998.8	I	I	5	I	

>>> 1800 LT P R O F I L E S <<<-----

NET RADIATION GLOBAL RADIATION
23.1 (12.6) W/M**2 73.6 (12.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 10.48 (.15)	I 5.69 (.004)	I 9.8 (1.4)	I 257.6 (6.2)
I 8.50	I 10.51 (.16)	I 5.75 (.004)	I 9.0 (1.3)	I
I 4.25	I 10.47 (.17)	I 5.66 (.005)	I 8.5 (1.3)	I
I 2.13	I 10.45 (.17)	I 5.88 (.004)	I 7.7 (1.2)	I
I 1.06	I 10.35 (.17)	I 5.74 (.005)	I 7.0 (1.2)	I
I .00	I 10.34	I		
I -.02	I 11.83	I		
I -.05	I 12.25	I		
I -.10	I 11.73	I		
I -.23	I 8.75	I		
I -.51	I 6.68	I		

>>> 1830 LT P R O F I L E S <<<-----

NET RADIATION GLOBAL RADIATION
-1.8 (5.8) W/M**2 39.1 (3.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 10.02 (.06)	I 5.77 (.002)	I 7.9 (1.1)	I 253.5 (6.9)
I 8.50	I 10.05 (.06)	I 5.84 (.001)	I 7.2 (1.1)	I
I 4.25	I 10.01 (.06)	I 5.74 (.002)	I 6.8 (1.0)	I
I 2.13	I 9.97 (.05)	I 5.95 (.001)	I 6.1 (1.0)	I
I 1.06	I 9.91 (.04)	I 5.82 (.001)	I 5.4 (1.0)	I
I .00	I 9.74	I		
I -.02	I 11.00	I		
I -.05	I 11.45	I		
I -.10	I 11.47	I		
I -.23	I 8.76	I		
I -.51	I 6.63	I		

>>> 80-05-08 1900 LT S Y N O P <<<

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CLOUDS					PRESIPITATION	
N	LOW	MID-HIGH	BASE (M)	SINCE 07LT		
7/8	4/8 SC	AC	X 1500	.5 (MM)		

PRESSURE (MB)		GEOSTROPHIC WIND (M/S)		VISIBILITY		WEATHER	
QFE	QFF	UG	VG	(KM)			
990.8	999.2	7.9	.1	5			

>>> 1900 LT P R O F I L E S <<<

 NET RADIATION GLOBAL RADIATION
 -14.3 (3.7) W/M**2 23.2 (4.9) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	9.83 (.03)	5.77 (.001)	7.4 (1.0)	247.1 (6.9)
8.50	9.85 (.04)	5.84 (.001)	6.6 (1.0)	
4.25	9.80 (.05)	5.74 (.001)	6.2 (1.0)	
2.13	9.76 (.05)	5.93 (.001)	5.6 (1.0)	
1.06	9.69 (.05)	5.80 (.001)	5.0 (.9)	
.00	9.40			
-.02	10.48			
-.05	10.90			
-.10	11.18			
-.23	8.80			
-.51	6.62			

>>> 1930 LT P R O F I L E S <<<

 NET RADIATION GLOBAL RADIATION
 -27.9 (4.5) W/M**2 10.5 (2.9) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	9.41 (.41)	5.75 (.002)	7.3 (1.0)	243.0 (5.5)
8.50	9.41 (.42)	5.81 (.002)	6.6 (.9)	
4.25	9.36 (.43)	5.71 (.002)	6.2 (.9)	
2.13	9.30 (.43)	5.87 (.002)	5.5 (.9)	
1.06	9.24 (.43)	5.74 (.002)	5.0 (.9)	
.00	8.75			
-.02	9.99			
-.05	10.46			
-.10	10.93			
-.23	8.84			
-.51	6.62			

>>> 80-05-08 2000 LT S Y N O P <<<

CLOUDS					PRESIPITATION	
N	LOW	MID-HIGH	BASE (M)	SINCE 07LT		
7/8	5/8 SC	AC	X 800			

PRESSURE (MB)		GEOSTROPHIC WIND (M/S)		VISIBILITY		WEATHER	
QFE	QFF	UG	VG	(KM)			
991.0	999.4			5			

>>> 2000 LT P R O F I L E S <<<

 NET RADIATION GLOBAL RADIATION
 -36.1 (6.2) W/M**2 2.2 (1.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	9.28 (.05)	5.79 (.001)	6.2 (.7)	245.2 (5.8)
8.50	9.26 (.06)	5.86 (.001)	5.6 (.8)	
4.25	9.18 (.07)	5.74 (.001)	5.2 (.9)	
2.13	9.12 (.07)	5.90 (.001)	4.6 (.8)	
1.06	9.04 (.08)	5.75 (.001)	4.1 (.8)	
.00	8.40			
-.02	9.60			
-.05	10.07			
-.10	10.65			
-.23	8.86			
-.51	6.59			

>>> 2030 LT P R O F I L E S <<<

 NET RADIATION GLOBAL RADIATION
 -34.2 (9.9) W/M**2 -.4 (.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	9.12 (.07)	5.72 (.002)	6.9 (.9)	243.1 (6.0)
8.50	9.13 (.07)	5.79 (.002)	6.3 (.9)	
4.25	9.07 (.08)	5.68 (.002)	5.9 (.8)	
2.13	9.01 (.08)	5.84 (.001)	5.2 (.8)	
1.06	8.93 (.09)	5.70 (.002)	4.6 (.8)	
.00	8.13			
-.02	9.31			
-.05	9.75			
-.10	10.41			
-.23	8.89			
-.51	6.59			

>>> 80-05-08 2100 LT S Y N O P <<<

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CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	7/8	6/8 SC	AC	X	1400	I	I
I							
I	PRESSURE (MB)				I	VISIBILITY	
I	QFE QFF I				I	(KM)	
I	991.5	999.9	I		I	5	I OZ LH I

>>> 2100 LT P R O F I L E S <<<

 NET RADIATION GLOBAL RADIATION
 -13.6 (2.0) W/M**2 -0.4 (.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 8.81 (.03)	I 5.84 (.001)	I 7.0 (.8)	I 243.4 (5.6) I
I 8.50	I 8.84 (.03)	I 5.92 (.001)	I 6.4 (.9)	I
I 4.25	I 8.80 (.03)	I 5.82 (.001)	I 6.0 (.8)	I
I 2.13	I 8.78 (.03)	I 5.96 (.001)	I 5.3 (.8)	I
I 1.06	I 8.74 (.04)	I 5.84 (.001)	I 4.7 (.7)	I
I .00	I 8.34			
I -.02	I 9.06			
I -.05	I 9.46			
I -.10	I 10.18			
I -.23	I 8.90			
I -.51	I 6.59			

>>> 2130 LT P R O F I L E S <<<

 NET RADIATION GLOBAL RADIATION
 -17.1 (1.3) W/M**2 -0.3 (.5) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 8.09 (.11)	I 5.69 (.002)	I 6.6 (1.0)	I 263.1 (5.9) I
I 8.50	I 8.16 (.11)	I 5.76 (.002)	I 6.3 (1.0)	I
I 4.25	I 8.14 (.12)	I 5.66 (.002)	I 5.9 (.9)	I
I 2.13	I 8.15 (.12)	I 5.81 (.002)	I 5.2 (.9)	I
I 1.06	I 8.09 (.12)	I 5.66 (.002)	I 4.7 (.9)	I
I .00	I 8.14			
I -.02	I 8.95			
I -.05	I 9.32			
I -.10	I 9.96			
I -.23	I 8.90			
I -.51	I 6.59			

>>> 80-05-08 2200 LT S Y N O P <<<

CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	7/8	4/8 SC	AC	X	1400	I	I
I							
I	PRESSURE (MB)				I	VISIBILITY	
I	QFE QFF I				I	(KM)	
I	992.3	1000.8	I	11.1	-9	I	>20 I

>>> 2200 LT P R O F I L E S <<<

 NET RADIATION GLOBAL RADIATION
 -19.4 (1.6) W/M**2 -1.3 (.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.85 (.04)	I 5.81 (.001)	I 5.4 (.8)	I 245.6 (6.7) I
I 8.50	I 7.89 (.04)	I 5.92 (.001)	I 4.9 (.8)	I
I 4.25	I 7.87 (.04)	I 5.79 (.002)	I 4.7 (.8)	I
I 2.13	I 7.86 (.05)	I 5.94 (.001)	I 4.2 (.7)	I
I 1.06	I 7.83 (.05)	I 5.76 (.002)	I 3.7 (.7)	I
I .00	I 7.93			
I -.02	I 8.73			
I -.05	I 9.12			
I -.10	I 9.78			
I -.23	I 8.90			
I -.51	I 6.58			

>>> 2230 LT P R O F I L E S <<<

 NET RADIATION GLOBAL RADIATION
 -22.6 (5.3) W/M**2 -1.0 (.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.76 (.05)	I 5.69 (.000)	I 5.1 (.5)	I 241.1 (5.5) I
I 8.50	I 7.79 (.06)	I 5.79 (.000)	I 4.6 (.5)	I
I 4.25	I 7.75 (.06)	I 5.67 (.000)	I 4.3 (.5)	I
I 2.13	I 7.74 (.07)	I 5.81 (.000)	I 3.8 (.5)	I
I 1.06	I 7.70 (.07)	I 5.65 (.000)	I 3.5 (.6)	I
I .00	I 7.71			
I -.02	I 8.56			
I -.05	I 8.94			
I -.10	I 9.62			
I -.23	I 8.87			
I -.51	I 6.58			

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HEIGHT (M)		TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I	17.00	I 7.71 (.04)	I 5.48 (.001)	I 6.2 (.8)	I 240.9 (6.1)
I	8.50	I 7.73 (.04)	I 5.55 (.001)	I 5.6 (.8)	I
I	4.25	I 7.68 (.04)	I 5.45 (.001)	I 5.4 (.8)	I
I	2.13	I 7.66 (.04)	I 5.59 (.001)	I 4.8 (.8)	I
I	1.06	I 7.60 (.05)	I 5.45 (.001)	I 4.2 (.7)	I
I	.00	I 7.16	I		
I	-.02	I 7.92	I		
I	-.05	I 8.27	I		
I	-.10	I 9.04	I		
I	-.23	I 8.77	I		
I	-.51	I 6.59	I		

CLOUDS				BASE (M)		PRESIPITATION		I SINCE 13LT	
I N	LOW	MID-HIGH	AS	X	1500	I	.2 (MM)	I	I
I 4/8	4/8 SC					I		I	
I -									
PRESSURE (MB)		GEOSTROPHIC WIND (M/S)		VISIBILITY		WEATHER			
I QFE	QFF	I UG	VG	UG-850-VG	I (KM)	I	I	I	I
I 993.0	1001.5	I 12.0	-2.8	11.1 -2.2	I >20	I	LI	DZ	I

>>> 0100 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
 -35.2 (3.6) W/M**2 -1.4 (.4) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.56 (.04)	I 5.46 (.001)	I 7.5 (1.0)	I 241.2 (5.2)
I 8.50	I 7.55 (.04)	I 5.52 (.001)	I 6.7 (.9)	I
I 4.25	I 7.49 (.05)	I 5.42 (.001)	I 6.3 (.9)	I
I 2.13	I 7.45 (.05)	I 5.55 (.001)	I 5.6 (.9)	I
I 1.06	I 7.36 (.05)	I 5.40 (.001)	I 5.1 (.9)	I
I .00	I 6.79	I		
I -.02	I 7.78	I		
I -.05	I 8.14	I		
I -.10	I 8.91	I		
I -.23	I 8.73	I		
I -.51	I 6.59	I		

>>> 0130 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
 -26.5 (11.4) W/M**2 -1.6 (.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.53 (.05)	I 5.47 (.001)	I 7.4 (.9)	I 239.5 (5.9)
I 8.50	I 7.53 (.05)	I 5.54 (.001)	I 6.8 (.9)	I
I 4.25	I 7.48 (.05)	I 5.45 (.001)	I 6.3 (.9)	I
I 2.13	I 7.44 (.05)	I 5.57 (.001)	I 5.7 (.9)	I
I 1.06	I 7.36 (.05)	I 5.44 (.001)	I 5.0 (1.0)	I
I .00	I 6.85	I		
I -.02	I 7.61	I		
I -.05	I 7.95	I		
I -.10	I 8.77	I		
I -.23	I 8.71	I		
I -.51	I 6.59	I		

>>> 80-05-09 0200 LT S Y N O P <<<

CLOUDS				BASE (M)		I		I	
I N	LOW	MID-HIGH	AS	X	1500	I	I	I	I
I 2/8	2/8 SC					I <td></td> <td>I <td></td> </td>		I <td></td>	
I -									
PRESSURE (MB)		I		VISIBILITY		I		WEATHER	
I QFE	QFF	I		I (KM)	I	I	I	I	I
I 993.5	1002.0	I		I >20	I	I		I	I

>>> 0200 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
 -70.1 (12.1) W/M**2 -1.2 (.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.08 (.18)	I 5.08 (.001)	I 7.9 (1.0)	I 238.1 (5.4)
I 8.50	I 7.05 (.19)	I 5.13 (.001)	I 7.2 (.9)	I
I 4.25	I 6.95 (.21)	I 5.03 (.001)	I 6.6 (1.0)	I
I 2.13	I 6.87 (.22)	I 5.16 (.001)	I 5.9 (1.0)	I
I 1.06	I 6.76 (.24)	I 5.03 (.001)	I 5.2 (.9)	I
I .00	I 5.79	I		
I -.02	I 7.36	I		
I -.05	I 7.77	I		
I -.10	I 8.64	I		
I -.23	I 8.67	I		
I -.51	I 6.61	I		

>>> 0230 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
 -47.9 (25.0) W/M**2 -1.3 (.4) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.57 (.07)	I 4.89 (.000)	I 7.4 (.9)	I 236.0 (4.6)
I 8.50	I 6.54 (.09)	I 4.95 (.001)	I 6.8 (.8)	I
I 4.25	I 6.45 (.11)	I 4.86 (.001)	I 6.3 (.8)	I
I 2.13	I 6.36 (.13)	I 4.99 (.001)	I 5.6 (.8)	I
I 1.06	I 6.25 (.15)	I 4.86 (.001)	I 4.9 (.8)	I
I .00	I 5.23	I		
I -.02	I 6.81	I		
I -.05	I 7.33	I		
I -.10	I 8.49	I		
I -.23	I 8.63	I		
I -.51	I 6.61	I		

CLOUDS						
I	N	LOW	MID-HIGH	BASE (M)	I	I
I	6/8	6/8 SC	AS	X	400	I
I						I
I	PRESSURE (MB)				I	VISIBILITY
I	QFE QFF				I	(KM)
I	994.1 1002.6				I	10
I						I

>>> 0300 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 -11.2 (2.6) W/M**2 -0.3 (.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.64 (.06)	I 4.93 (.001)	I 6.6 (.8)	I 233.7 (6.4) I
I 8.50	I 6.67 (.06)	I 5.00 (.001)	I 6.1 (.8)	I I
I 4.25	I 6.63 (.07)	I 4.91 (.001)	I 5.8 (.8)	I I
I 2.13	I 6.59 (.07)	I 5.06 (.001)	I 5.2 (.8)	I I
I 1.06	I 6.54 (.07)	I 4.96 (.001)	I 4.7 (.7)	I I
I .00	I 6.10	I		
I -.02	I 6.90	I		
I -.05	I 7.24	I		
I -.10	I 8.30	I		
I -.23	I 8.58	I		
I -.51	I 6.61	I		

>>> 0330 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 -16.5 (11.4) W/M**2 -0.1 (.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.60 (.06)	I 4.99 (.001)	I 6.5 (.8)	I 243.4 (6.6) I
I 8.50	I 6.61 (.07)	I 5.05 (.001)	I 5.9 (.7)	I I
I 4.25	I 6.57 (.08)	I 4.96 (.001)	I 5.5 (.7)	I I
I 2.13	I 6.54 (.10)	I 5.09 (.001)	I 4.9 (.8)	I I
I 1.06	I 6.49 (.11)	I 4.97 (.001)	I 4.4 (.8)	I I
I .00	I 6.06	I		
I -.02	I 6.85	I		
I -.05	I 7.20	I		
I -.10	I 8.17	I		
I -.23	I 8.54	I		
I -.51	I 6.62	I		

>>> 80-05-09 0400 LT S Y N O P <<<

CLOUDS						
I	N	LOW	MID-HIGH	BASE (M)	I	I
I	6/8	6/8 SC	X	400	I	I
I						I
I	PRESSURE (MB)				I	VISIBILITY
I	QFE QFF				I	(KM)
I	995.2 1003.8				I	>20
I						I

>>> 0400 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 -8.9 (2.4) W/M**2 4.0 (1.9) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 4.91 (.28)	I 4.39 (.001)	I 8.8 (1.4)	I 293.4 (6.3) I
I 8.50	I 5.00 (.28)	I 4.42 (.001)	I 8.1 (1.3)	I I
I 4.25	I 5.03 (.28)	I 4.36 (.001)	I 7.6 (1.3)	I I
I 2.13	I 5.06 (.28)	I 4.49 (.001)	I 6.8 (1.2)	I I
I 1.06	I 5.08 (.29)	I 4.39 (.001)	I 6.0 (1.3)	I I
I .00	I 5.55	I		
I -.02	I 6.78	I		
I -.05	I 7.16	I		
I -.10	I 8.06	I		
I -.23	I 8.51	I		
I -.51	I 6.62	I		

>>> 0430 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 -0.9 (2.4) W/M**2 17.9 (5.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 4.28 (.16)	I 4.20 (.000)	I 7.6 (1.0)	I 295.7 (7.4) I
I 8.50	I 4.38 (.16)	I 4.24 (.000)	I 7.1 (1.0)	I I
I 4.25	I 4.41 (.16)	I 4.17 (.000)	I 6.7 (1.0)	I I
I 2.13	I 4.44 (.16)	I 4.30 (.000)	I 6.0 (.9)	I I
I 1.06	I 4.47 (.15)	I 4.21 (.000)	I 5.3 (1.0)	I I
I .00	I 5.17	I		
I -.02	I 6.46	I		
I -.05	I 6.92	I		
I -.10	I 7.95	I		
I -.23	I 8.45	I		
I -.51	I 6.62	I		

CLOUDS				PRESIPITATION	
LOW	MID-HIGH	BASE (M)	SINCE 19LT		
3/8 3/8 CU		300	3 (MM)		
PRESSURE (MB)		GEOSTROPHIC WIND (M/S)		VISIBILITY	WEATHER
QFE	QFF	UG	VG	(KM)	
998.9	1007.5	9.8	-10.4	>20	

>>> 0700 LT P R O F I L E S <<<

NET RADIATION	GLOBAL RADIATION
224.0 (38.4) W/M**2	358.9 (89.5) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	4.34 (.15)	3.70 (.002)	9.1 (1.2)	294.7 (7.5)
8.50	4.54 (.17)	3.71 (.002)	8.5 (1.1)	
4.25	4.71 (.20)	3.67 (.002)	8.0 (1.3)	
2.13	4.94 (.21)	3.85 (.002)	7.2 (1.3)	
1.06	5.20 (.21)	3.85 (.002)	6.5 (1.2)	
.00	8.78			
-.02	6.51			
-.05	7.16			
-.10	7.45			
-.23	8.21			
-.51	6.66			

>>> 0730 LT P R O F I L E S <<<

NET RADIATION	GLOBAL RADIATION
310.2 (17.0) W/M**2	453.5 (38.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	5.02 (.15)	3.62 (.002)	9.2 (1.3)	299.2 (9.7)
8.50	5.27 (.18)	3.62 (.002)	8.7 (1.3)	
4.25	5.48 (.19)	3.58 (.002)	8.1 (1.3)	
2.13	5.79 (.19)	3.79 (.002)	7.3 (1.3)	
1.06	6.12 (.21)	3.79 (.002)	6.5 (1.1)	
.00	10.40			
-.02	7.11			
-.05	7.97			
-.10	7.53			
-.23	8.15			
-.51	6.64			

>>> 80-05-09 0800 LT S Y N O P <<<

CLOUDS				PRESIPITATION	
LOW	MID-HIGH	BASE (M)	SINCE 19LT		
2/8 2/8 CU		300			
PRESSURE (MB)		GEOSTROPHIC WIND (M/S)		VISIBILITY	WEATHER
QFE	QFF	UG	VG	(KM)	
1000.3	1008.9			>20	

>>> 0800 LT P R O F I L E S <<<

NET RADIATION	GLOBAL RADIATION
372.6 (21.8) W/M**2	519.0 (62.7) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	5.47 (.16)	3.53 (.001)	7.9 (1.2)	297.3 (10.4)
8.50	5.80 (.19)	3.54 (.002)	7.3 (1.1)	
4.25	6.06 (.22)	3.49 (.002)	7.1 (1.2)	
2.13	6.43 (.21)	3.70 (.002)	6.4 (1.1)	
1.06	6.87 (.21)	3.72 (.002)	5.7 (1.1)	
.00	13.17			
-.02	8.08			
-.05	8.98			
-.10	7.76			
-.23	8.10			
-.51	6.63			

>>> 0830 LT P R O F I L E S <<<

NET RADIATION	GLOBAL RADIATION
426.2 (13.0) W/M**2	588.2 (14.4) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	5.84 (.21)	3.36 (.003)	8.3 (1.2)	288.4 (9.7)
8.50	6.18 (.24)	3.35 (.003)	8.0 (1.2)	
4.25	6.47 (.28)	3.29 (.003)	7.6 (1.3)	
2.13	6.88 (.27)	3.52 (.003)	6.9 (1.3)	
1.06	7.41 (.27)	3.54 (.003)	6.2 (1.2)	
.00	15.02			
-.02	9.07			
-.05	10.10			
-.10	8.10			
-.23	8.04			
-.51	6.63			

>>> 80-05-09 0900 LT S Y N O P <<<

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CLOUDS				BASE (M)			
I	N	LOW	MID-HIGH		I	I	I
I	2/8	2/8 CU		300	I	I	I
I-----I							
I	PRESSURE (MB)			I	VISIBILITY		I WEATHER
I	QFE	QFF	I	I	(KM)		I
I	1001.2	1009.8	I	I	>20		I

----->>> 0900 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 460.0 (38.5) W/M**2 627.9 (79.7) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.19 (.22)	I 3.24 (.002)	I 9.2 (1.5)	I 283.9 (10.0)
I 8.50	I 6.55 (.24)	I 3.22 (.002)	I 8.7 (1.6)	I
I 4.25	I 6.89 (.25)	I 3.17 (.002)	I 8.3 (1.5)	I
I 2.13	I 7.35 (.23)	I 3.40 (.002)	I 7.6 (1.4)	I
I 1.06	I 7.94 (.23)	I 3.43 (.002)	I 6.8 (1.4)	I
I .00	I 16.25	I		
I -.02	I 10.07	I		
I -.05	I 11.16	I		
I -.10	I 8.55	I		
I -.23	I 8.00	I		
I -.51	I 6.63	I		

----->>> 0930 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 510.8 (12.3) W/M**2 684.8 (39.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.51 (.29)	I 3.10 (.003)	I 8.8 (1.6)	I 292.0 (12.6)
I 8.50	I 6.84 (.32)	I 3.06 (.003)	I 8.3 (1.6)	I
I 4.25	I 7.16 (.34)	I 3.01 (.002)	I 7.9 (1.6)	I
I 2.13	I 7.63 (.33)	I 3.23 (.003)	I 7.2 (1.6)	I
I 1.06	I 8.24 (.31)	I 3.25 (.003)	I 6.5 (1.5)	I
I .00	I 17.74	I		
I -.02	I 10.94	I		
I -.05	I 12.03	I		
I -.10	I 9.04	I		
I -.23	I 7.95	I		
I -.51	I 6.62	I		

>>> 80-05-09 1000 LT S Y N O P <<<

CLOUDS				BASE (M)			
I	N	LOW	MID-HIGH		I	I	I
I	3/8	2/8 CB		300	I	I	I
I-----I							
I	PRESSURE (MB)			I	VISIBILITY		I WEATHER
I	QFE	QFF	I UG VG	I	(KM)		I
I	1002.5	1011.0	I 8.9 -8.8	I	>20		I

----->>> 1000 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 553.5 (39.1) W/M**2 727.2 (100.7) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.84 (.23)	I 2.83 (.002)	I 10.1 (1.4)	I 289.3 (11.7)
I 8.50	I 7.19 (.27)	I 2.79 (.002)	I 9.5 (1.4)	I
I 4.25	I 7.61 (.28)	I 2.78 (.002)	I 9.0 (1.5)	I
I 2.13	I 8.16 (.25)	I 3.01 (.002)	I 8.1 (1.3)	I
I 1.06	I 8.86 (.25)	I 3.03 (.002)	I 7.3 (1.3)	I
I .00	I 19.10	I		
I -.02	I 11.91	I		
I -.05	I 12.96	I		
I -.10	I 9.54	I		
I -.23	I 7.94	I		
I -.51	I 6.62	I		

----->>> 1030 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 615.9 (22.4) W/M**2 804.7 (30.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.46 (.36)	I 2.71 (.003)	I 9.5 (1.4)	I 278.4 (10.1)
I 8.50	I 7.88 (.39)	I 2.68 (.003)	I 8.9 (1.4)	I
I 4.25	I 8.30 (.40)	I 2.67 (.003)	I 8.4 (1.5)	I
I 2.13	I 8.87 (.35)	I 2.89 (.003)	I 7.8 (1.4)	I
I 1.06	I 9.61 (.36)	I 2.91 (.003)	I 7.1 (1.4)	I
I .00	I 20.76	I		
I -.02	I 12.77	I		
I -.05	I 13.73	I		
I -.10	I 10.06	I		
I -.23	I 7.95	I		
I -.51	I 6.63	I		

CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	5/8	5/8	CB	700	I	I	I

I	PRESSURE (MB)			I	VISIBILITY		I
I	QFE			I	(KM)		I
I	1003.9	1012.5	I	I	>20		I
					PRE V		I

----->>> 1100 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 251.1 (105.4) W/M**2 325.3 (151.8) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.88 (.28)	I 2.60 (.003)	I 9.0 (1.6)	I 284.6 (10.8)
I 8.50	I 7.16 (.32)	I 2.54 (.004)	I 8.4 (1.5)	I
I 4.25	I 7.45 (.38)	I 2.49 (.004)	I 8.1 (1.5)	I
I 2.13	I 7.84 (.41)	I 2.68 (.004)	I 7.4 (1.4)	I
I 1.06	I 8.35 (.49)	I 2.62 (.004)	I 6.6 (1.3)	I
I .00	I 16.99	I		
I -.02	I 13.03	I		
I -.05	I 14.42	I		
I -.10	I 10.58	I		
I -.23	I 7.96	I		
I -.51	I 6.64	I		

----->>> 1130 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 569.6 (121.8) W/M**2 699.7 (232.4) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.83 (.41)	I 2.99 (.004)	I 7.6 (1.2)	I 283.4 (9.6)
I 8.50	I 7.15 (.47)	I 2.96 (.004)	I 7.3 (1.2)	I
I 4.25	I 7.48 (.51)	I 2.92 (.004)	I 7.0 (1.1)	I
I 2.13	I 8.00 (.54)	I 3.17 (.006)	I 6.4 (1.0)	I
I 1.06	I 8.74 (.61)	I 3.20 (.006)	I 5.7 (1.1)	I
I .00	I 20.72	I		
I -.02	I 12.69	I		
I -.05	I 13.53	I		
I -.10	I 10.94	I		
I -.23	I 7.97	I		
I -.51	I 6.63	I		

>>> 80-05-09 1200 LT S Y N O P <<<

CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	6/8	6/8	CB	700	I	I	I

I	PRESSURE (MB)			I	VISIBILITY		I
I	QFE			I	(KM)		I
I	1004.7	1013.3	I	I	>20		I
					PRE V		I

----->>> 1200 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 365.5 (144.8) W/M**2 487.1 (257.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.35 (.25)	I 2.82 (.002)	I 9.4 (1.8)	I 284.2 (10.6)
I 8.50	I 7.66 (.30)	I 2.77 (.002)	I 8.8 (1.7)	I
I 4.25	I 7.97 (.34)	I 2.73 (.002)	I 8.3 (1.7)	I
I 2.13	I 8.41 (.37)	I 2.92 (.003)	I 7.5 (1.6)	I
I 1.06	I 9.02 (.43)	I 2.88 (.002)	I 6.7 (1.5)	I
I .00	I 16.86	I		
I -.02	I 13.18	I		
I -.05	I 14.29	I		
I -.10	I 11.13	I		
I -.23	I 8.01	I		
I -.51	I 6.62	I		

----->>> 1230 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 294.9 (181.6) W/M**2 397.9 (255.6) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.74 (.39)	I 3.03 (.006)	I 9.3 (1.8)	I 307.7 (16.3)
I 8.50	I 6.97 (.40)	I 2.99 (.007)	I 8.7 (1.7)	I
I 4.25	I 7.20 (.42)	I 2.93 (.006)	I 8.2 (1.7)	I
I 2.13	I 7.59 (.42)	I 3.14 (.007)	I 7.4 (1.6)	I
I 1.06	I 7.99 (.49)	I 3.05 (.007)	I 6.6 (1.4)	I
I .00	I 13.31	I		
I -.02	I 12.25	I		
I -.05	I 13.69	I		
I -.10	I 11.38	I		
I -.23	I 8.06	I		
I -.51	I 6.62	I		

>>> 80-05-09 1300 LT S Y N O P <<<

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CLOUDS				PRESIPITATION	
I N	LOW	MID-HIGH	BASE (M)	I SINCE 01LT	I
I 5/8	5/8 CB		900	I .1 (MM)	I
PRESSURE (MB)		GEOSTROPHIC WIND (M/S)		VISIBILITY	
I QFE	QFF	I UG	VG	UG-850-VG	I (KM)
I 1006.4	1015.0	I 8.8	-8.3	12.5 -5.6	I >20

>>> 1300 LT P R O F I L E S <<<

NET RADIATION	GLOBAL RADIATION
569.5 (89.8) W/M**2	729.3 (170.6) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.47 (.29)	I 3.13 (.003)	I 10.8 (1.5)	I 313.6 (10.0)
I 8.50	I 6.83 (.30)	I 3.08 (.002)	I 10.1 (1.5)	I
I 4.25	I 7.23 (.33)	I 3.05 (.002)	I 9.5 (1.6)	I
I 2.13	I 7.87 (.32)	I 3.29 (.002)	I 8.5 (1.5)	I
I 1.06	I 8.49 (.34)	I 3.27 (.002)	I 7.7 (1.6)	I
I .00	I 16.61	I		
I -.02	I 13.21	I		
I -.05	I 13.71	I		
I -.10	I 11.43	I		
I -.23	I 8.13	I		
I -.51	I 6.62	I		

>>> 1330 LT P R O F I L E S <<<

NET RADIATION	GLOBAL RADIATION
575.6 (14.2) W/M**2	754.6 (16.5) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.86 (.36)	I 2.80 (.005)	I 10.4 (1.6)	I 297.3 (10.4)
I 8.50	I 7.24 (.38)	I 2.76 (.005)	I 10.0 (1.6)	I
I 4.25	I 7.68 (.39)	I 2.74 (.004)	I 9.4 (1.5)	I
I 2.13	I 8.28 (.35)	I 2.96 (.005)	I 8.6 (1.5)	I
I 1.06	I 8.95 (.36)	I 2.94 (.005)	I 7.7 (1.4)	I
I .00	I 18.38	I		
I -.02	I 13.96	I		
I -.05	I 14.27	I		
I -.10	I 11.55	I		
I -.23	I 8.19	I		
I -.51	I 6.62	I		

>>> 80-05-09 1400 LT S Y N O P <<<

CLOUDS				PRESIPITATION	
I N	LOW	MID-HIGH	BASE (M)	I	I
I 2/8	2/8 CU	CI	900 7000	I	I
PRESSURE (MB)		VISIBILITY		WEATHER	
I QFE	QFF	I	(KM)	I	I
I 1007.1	1015.7	I	>20	I	I

>>> 1400 LT P R O F I L E S <<<

NET RADIATION	GLOBAL RADIATION
575.5 (22.7) W/M**2	762.8 (25.0) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.41 (.24)	I 2.45 (.002)	I 11.1 (1.4)	I 289.7 (8.4)
I 8.50	I 7.80 (.28)	I 2.41 (.002)	I 10.4 (1.5)	I
I 4.25	I 8.20 (.29)	I 2.40 (.002)	I 9.9 (1.4)	I
I 2.13	I 8.78 (.29)	I 2.61 (.002)	I 9.1 (1.3)	I
I 1.06	I 9.49 (.30)	I 2.59 (.002)	I 8.2 (1.3)	I
I .00	I 18.66	I		
I -.02	I 14.26	I		
I -.05	I 14.74	I		
I -.10	I 11.76	I		
I -.23	I 8.26	I		
I -.51	I 6.62	I		

>>> 1430 LT P R O F I L E S <<<

NET RADIATION	GLOBAL RADIATION
523.0 (47.0) W/M**2	700.4 (130.0) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.94 (.28)	I 2.26 (.003)	I 10.1 (1.4)	I 284.0 (10.3)
I 8.50	I 8.33 (.32)	I 2.22 (.003)	I 9.5 (1.3)	I
I 4.25	I 8.73 (.36)	I 2.22 (.003)	I 9.2 (1.3)	I
I 2.13	I 9.30 (.36)	I 2.41 (.003)	I 8.4 (1.2)	I
I 1.06	I 10.05 (.36)	I 2.38 (.003)	I 7.7 (1.2)	I
I .00	I 20.31	I		
I -.02	I 15.13	I		
I -.05	I 15.33	I		
I -.10	I 12.02	I		
I -.23	I 8.33	I		
I -.51	I 6.62	I		

CLOUDS				BASE (M)			
I	N	LOW	MID-HIGH	900	7000	I	I
I	2/8	1/8 CU	CI			I	I

I	PRESSURE (MB)			I	VISIBILITY		I
I	QFE QFF I			I	(KM)		I
I	1007.6	1016.1	I	I	>20		I

>>> 1500 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 442.2 (12.1) W/M**2 630.1 (12.8) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 8.01 (.21)	I 2.09 (.001)	I 9.9 (1.5)	I 281.6 (10.2)
I 8.50	I 8.35 (.27)	I 2.04 (.001)	I 9.2 (1.7)	I
I 4.25	I 8.70 (.28)	I 2.05 (.001)	I 8.8 (1.5)	I
I 2.13	I 9.23 (.29)	I 2.20 (.002)	I 8.0 (1.5)	I
I 1.06	I 9.95 (.30)	I 2.18 (.001)	I 7.2 (1.5)	I
I .00	I 15.49	I		
I -.02	I 13.78	I		
I -.05	I 14.93	I		
I -.10	I 12.28	I		
I -.23	I 8.40	I		
I -.51	I 6.62	I		

>>> 1530 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 382.3 (12.7) W/M**2 568.7 (12.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 8.47 (.32)	I 1.98 (.002)	I 9.0 (1.3)	I 282.9 (12.4)
I 8.50	I 8.80 (.33)	I 1.94 (.002)	I 8.5 (1.3)	I
I 4.25	I 9.13 (.38)	I 1.94 (.002)	I 8.1 (1.3)	I
I 2.13	I 9.59 (.39)	I 2.08 (.002)	I 7.3 (1.2)	I
I 1.06	I 10.23 (.41)	I 2.06 (.002)	I 6.7 (1.2)	I
I .00	I 17.50	I		
I -.02	I 14.21	I		
I -.05	I 14.44	I		
I -.10	I 12.40	I		
I -.23	I 8.45	I		
I -.51	I 6.61	I		

>>> 80-05-09 1600 LT S Y N O P <<<

CLOUDS				BASE (M)			
I	N	LOW	MID-HIGH	900	7000	I	I
I	2/8	1/8 CU	CI			I	I

I	PRESSURE (MB)			I	GEOSTROPHIC WIND (M/S)		I
I	QFE QFF I			I	UG VG		I
I	1008.4	1016.9	I	I	9.2 -6.3		I

I				I	VISIBILITY		I
I				I	(KM)		I
I				I	>20		I

>>> 1600 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 314.9 (13.3) W/M**2 495.0 (14.5) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 8.64 (.21)	I 1.82 (.001)	I 9.8 (1.4)	I 280.3 (7.2)
I 8.50	I 8.92 (.23)	I 1.76 (.002)	I 9.1 (1.5)	I
I 4.25	I 9.19 (.25)	I 1.77 (.001)	I 8.7 (1.5)	I
I 2.13	I 9.57 (.24)	I 1.88 (.002)	I 8.0 (1.4)	I
I 1.06	I 10.16 (.24)	I 1.86 (.002)	I 7.3 (1.3)	I
I .00	I 16.35	I		
I -.02	I 13.99	I		
I -.05	I 14.29	I		
I -.10	I 12.39	I		
I -.23	I 8.53	I		
I -.51	I 6.61	I		

>>> 1630 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 250.4 (14.0) W/M**2 426.7 (14.0) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 8.84 (.20)	I 1.80 (.002)	I 9.3 (1.5)	I 284.5 (8.4)
I 8.50	I 9.13 (.19)	I 1.74 (.002)	I 8.8 (1.5)	I
I 4.25	I 9.39 (.18)	I 1.76 (.002)	I 8.3 (1.4)	I
I 2.13	I 9.72 (.17)	I 1.87 (.002)	I 7.6 (1.4)	I
I 1.06	I 10.24 (.15)	I 1.84 (.002)	I 6.9 (1.4)	I
I .00	I 15.01	I		
I -.02	I 13.40	I		
I -.05	I 13.80	I		
I -.10	I 12.36	I		
I -.23	I 8.59	I		
I -.51	I 6.59	I		

>>> 80-05-09 1700 LT S Y N O P <<<

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CLOUDS				BASE (M)		I		I		I	
I	N	LOW	MID-HIGH	900	7000	I	I	I	I	I	I
I 1/8	I 1/8	I CB	I CI	I	I	I	I	I	I	I	I
I						I					
I PRESSURE (MB) I						I VISIBILITY		I WEATHER I			
I QFE I						I (KM)		I			
I 1009.1 1017.7 I						I >20		I			

>>> 1700 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
184.6 (10.9) W/M**2 358.1 (11.6) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 8.95 (.11)	I 1.66 (.002)	I 9.4 (1.4)	I 287.6 (8.0) I
I 8.50	I 9.19 (.12)	I 1.60 (.002)	I 8.6 (1.5)	I I
I 4.25	I 9.38 (.14)	I 1.63 (.002)	I 8.3 (1.5)	I I
I 2.13	I 9.66 (.13)	I 1.73 (.002)	I 7.4 (1.4)	I I
I 1.06	I 10.06 (.15)	I 1.69 (.002)	I 6.7 (1.3)	I I
I .00	I 13.39	I		
I -.02	I 12.82	I		
I -.05	I 13.23	I		
I -.10	I 12.26	I		
I -.23	I 8.68	I		
I -.51	I 6.61	I		

>>> 1730 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
121.9 (14.4) W/M**2 288.4 (15.7) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 9.00 (.07)	I 1.62 (.001)	I 9.2 (1.4)	I 287.7 (7.7) I
I 8.50	I 9.22 (.09)	I 1.57 (.001)	I 8.6 (1.5)	I I
I 4.25	I 9.39 (.11)	I 1.61 (.001)	I 8.1 (1.4)	I I
I 2.13	I 9.62 (.13)	I 1.70 (.001)	I 7.3 (1.3)	I I
I 1.06	I 9.88 (.15)	I 1.64 (.001)	I 6.5 (1.3)	I I
I .00	I 13.01	I		
I -.02	I 12.32	I		
I -.05	I 12.62	I		
I -.10	I 12.09	I		
I -.23	I 8.75	I		
I -.51	I 6.61	I		

>>> 80-05-09 1800 LT S Y N O P <<<

CLOUDS				BASE (M)		I		I		I	
I	N	LOW	MID-HIGH	900	7000	I	I	I	I	I	I
I 1/8	I 1/8	I CB	I CI	I	I	I	I	I	I	I	I
I						I					
I PRESSURE (MB) I						I VISIBILITY		I WEATHER I			
I QFE I						I (KM)		I			
I 1009.6 1018.2 I						I >20		I			

>>> 1800 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
53.7 (12.7) W/M**2 211.8 (14.9) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 9.16 (.05)	I 1.69 (.002)	I 7.5 (1.3)	I 285.5 (8.1) I
I 8.50	I 9.32 (.05)	I 1.64 (.002)	I 7.1 (1.1)	I I
I 4.25	I 9.43 (.07)	I 1.66 (.001)	I 6.6 (1.1)	I I
I 2.13	I 9.59 (.07)	I 1.76 (.002)	I 5.9 (1.0)	I I
I 1.06	I 9.78 (.08)	I 1.69 (.001)	I 5.3 (1.0)	I I
I .00	I 11.76	I		
I -.02	I 11.75	I		
I -.05	I 11.93	I		
I -.10	I 11.87	I		
I -.23	I 8.81	I		
I -.51	I 6.59	I		

>>> 1830 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
-6.7 (10.8) W/M**2 140.3 (12.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 9.10 (.02)	I 1.75 (.002)	I 6.8 (1.1)	I 278.3 (7.4) I
I 8.50	I 9.23 (.02)	I 1.71 (.002)	I 6.2 (1.1)	I I
I 4.25	I 9.30 (.03)	I 1.72 (.002)	I 5.9 (1.0)	I I
I 2.13	I 9.37 (.05)	I 1.81 (.002)	I 5.3 (1.0)	I I
I 1.06	I 9.51 (.07)	I 1.73 (.002)	I 4.7 (.9)	I I
I .00	I 10.29	I		
I -.02	I 11.05	I		
I -.05	I 11.26	I		
I -.10	I 11.59	I		
I -.23	I 8.86	I		
I -.51	I 6.59	I		

CLOUDS				PRESIPITATION	
N	LOW	MID-HIGH	BASE (M)	SINCE 07LT	
1/8	1/8 CU			.0 (MM)	
PRESSURE (MB)			GEOSTROPHIC WIND (M/S)		VISIBILITY
QFE	QFF	IIG	VG	(KM)	WEATHER
1010.1	1018.7	10.1	-5.7	>20	

1900 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 -57.6 (8.6) W/M**2 79.1 (11.7) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	8.90 (.11)	1.89 (.002)	6.2 (.8)	265.4 (6.7)
8.50	8.95 (.13)	1.84 (.002)	5.7 (.8)	
4.25	8.95 (.15)	1.83 (.002)	5.4 (.8)	
2.13	8.94 (.17)	1.92 (.002)	4.8 (.8)	
1.06	8.96 (.19)	1.82 (.002)	4.3 (.8)	
.00	8.83			
-.02	10.29			
-.05	10.57			
-.10	11.26			
-.23	8.90			
-.51	6.57			

1930 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 -92.6 (5.2) W/M**2 30.9 (7.4) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	8.47 (.11)	2.27 (.002)	6.6 (.9)	265.5 (5.5)
8.50	8.48 (.12)	2.22 (.002)	6.1 (.8)	
4.25	8.40 (.14)	2.18 (.002)	5.8 (.8)	
2.13	8.34 (.16)	2.29 (.002)	5.1 (.7)	
1.06	8.24 (.17)	2.14 (.002)	4.5 (.7)	
.00	7.48			
-.02	9.35			
-.05	9.90			
-.10	10.93			
-.23	8.94			
-.51	6.58			

>>> 80-05-09 2000 LT S Y N O P <<<

CLOUDS				PRESIPITATION	
N	LOW	MID-HIGH	BASE (M)	SINCE 07LT	
1/8	/R	CI	7000		
PRESSURE (MB)			GEOSTROPHIC WIND (M/S)		VISIBILITY
QFE	QFF	I		(KM)	WEATHER
1010.9	1019.5			>20	

2000 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 -107.3 (.7) W/M**2 5.4 (2.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	7.98 (.17)	2.34 (.002)	5.9 (.6)	263.7 (5.5)
8.50	7.87 (.25)	2.30 (.002)	5.4 (.6)	
4.25	7.66 (.32)	2.23 (.002)	5.0 (.6)	
2.13	7.48 (.34)	2.35 (.002)	4.3 (.7)	
1.06	7.28 (.35)	2.19 (.002)	3.8 (.7)	
.00	6.03			
-.02	8.44			
-.05	9.27			
-.10	10.57			
-.23	8.96			
-.51	6.58			

2030 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 -107.5 (.6) W/M**2 -1.6 (.8) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	7.25 (.13)	2.45 (.001)	5.0 (.5)	258.9 (3.2)
8.50	6.98 (.15)	2.42 (.001)	4.3 (.5)	
4.25	6.60 (.17)	2.33 (.001)	3.8 (.4)	
2.13	6.28 (.19)	2.45 (.001)	3.2 (.4)	
1.06	5.99 (.22)	2.25 (.001)	2.8 (.4)	
.00	4.68			
-.02	7.64			
-.05	8.63			
-.10	10.22			
-.23	8.99			
-.51	6.59			

CLOUDS		BASE (M)		VISIBILITY		WEATHER	
LOW	MID-HIGH	3000	7000	(KM)			
1/8	/8	AC	CI	3000	7000		
PRESSURE (MB)				VISIBILITY		WEATHER	
QFE QFF				(KM)			
1011.6 1020.3				>20			

>>> 2100 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
 -104.2 (.7) W/M**2 -3.0 (.3) W/M**2

HEIGHT (M)	TEMP. (DEG. CENTG)	MIX. RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	6.76 (.05)	2.53 (.001)	5.2 (.4)	264.1 (3.4)
8.50	6.47 (.07)	2.50 (.001)	4.5 (.4)	
4.25	6.02 (.07)	2.40 (.001)	3.9 (.4)	
2.13	5.63 (.10)	2.53 (.001)	3.3 (.4)	
1.06	5.28 (.12)	2.33 (.001)	2.8 (.4)	
.00	3.85			
-.02	6.93			
-.05	8.00			
-.10	9.82			
-.23	8.97			
-.51	6.58			

>>> 2130 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
 -103.6 (.7) W/M**2 -3.1 (.3) W/M**2

HEIGHT (M)	TEMP. (DEG. CENTG)	MIX. RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	6.75 (.05)	2.72 (.002)	6.1 (.6)	264.9 (4.5)
8.50	6.54 (.07)	2.70 (.002)	5.3 (.5)	
4.25	6.27 (.08)	2.61 (.002)	4.8 (.6)	
2.13	6.02 (.08)	2.74 (.001)	4.2 (.5)	
1.06	5.76 (.10)	2.57 (.002)	3.7 (.6)	
.00	3.91			
-.02	6.45			
-.05	7.51			
-.10	9.45			
-.23	8.97			
-.51	6.59			

>>> 80-05-09 2200 LT S Y N O P <<<

CLOUDS		BASE (M)		VISIBILITY		WEATHER	
LOW	MID-HIGH	3000	7000	(KM)			
1/8	/8	AC	CI	3000	7000		
PRESSURE (MB)				VISIBILITY		WEATHER	
QFE QFF UG VG				(KM)			
1012.3 1021.0 10.5 -4.9				>20			

>>> 2200 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
 -104.9 (.3) W/M**2 -2.5 (.2) W/M**2

HEIGHT (M)	TEMP. (DEG. CENTG)	MIX. RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	6.59 (.09)	2.85 (.001)	6.2 (.6)	265.2 (3.8)
8.50	6.43 (.09)	2.82 (.001)	5.5 (.6)	
4.25	6.19 (.10)	2.73 (.001)	5.0 (.6)	
2.13	5.97 (.10)	2.86 (.001)	4.4 (.6)	
1.06	5.71 (.09)	2.69 (.001)	3.8 (.6)	
.00	3.81			
-.02	6.13			
-.05	7.14			
-.10	9.10			
-.23	8.96			
-.51	6.59			

>>> 2230 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
 -104.6 (.0) W/M**2 -2.6 (.2) W/M**2

HEIGHT (M)	TEMP. (DEG. CENTG)	MIX. RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	6.13 (.12)	2.93 (.002)	6.1 (.6)	265.1 (3.7)
8.50	5.94 (.12)	2.91 (.002)	5.3 (.6)	
4.25	5.69 (.12)	2.80 (.002)	4.9 (.5)	
2.13	5.45 (.13)	2.93 (.002)	4.3 (.6)	
1.06	5.20 (.14)	2.74 (.002)	3.7 (.6)	
.00	3.44			
-.02	5.80			
-.05	6.80			
-.10	8.77			
-.23	8.94			
-.51	6.61			

CLOUDS		BASE (M)			
LOW	MID-HIGH	3000	7000		
1/8	/8	AC	CI		
PRESSURE (MB)		VISIBILITY		WEATHER	
QFE QFF		(KM)			
1012.8 1021.5		>20			

----->>> 2300 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -104.5 (.2) W/M**2 -2.7 (.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 5.75 (.07)	I 3.08 (.001)	I 5.8 (.4)	I 263.0 (3.9)
I 8.50	I 5.53 (.08)	I 3.07 (.001)	I 5.1 (.5)	I
I 4.25	I 5.21 (.10)	I 2.94 (.001)	I 4.6 (.5)	I
I 2.13	I 4.96 (.12)	I 3.06 (.001)	I 3.9 (.5)	I
I 1.06	I 4.71 (.13)	I 2.87 (.001)	I 3.4 (.5)	I
I .00	I 2.92	I		
I -.02	I 5.47	I		
I -.05	I 6.45	I		
I -.10	I 8.48	I		
I -.23	I 8.90	I		
I -.51	I 6.62	I		

----->>> 2330 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -105.1 (.0) W/M**2 -2.7 (.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 5.61 (.07)	I 3.16 (.001)	I 6.6 (.8)	I 264.6 (5.1)
I 8.50	I 5.44 (.09)	I 3.15 (.001)	I 5.9 (.8)	I
I 4.25	I 5.20 (.12)	I 3.04 (.001)	I 5.4 (.8)	I
I 2.13	I 5.01 (.14)	I 3.17 (.001)	I 4.8 (.8)	I
I 1.06	I 4.78 (.15)	I 2.99 (.001)	I 4.2 (.8)	I
I .00	I 2.90	I		
I -.02	I 5.18	I		
I -.05	I 6.14	I		
I -.10	I 8.19	I		
I -.23	I 8.85	I		
I -.51	I 6.62	I		

>>> 80-05-10 0000 LT S Y N O P <<<

CLOUDS		BASE (M)			
LOW	MID-HIGH	3000	7000		
1/8	/8	AC	CI		
PRESSURE (MB)		VISIBILITY		WEATHER	
QFE QFF		(KM)			
1013.5 1022.2		>20			

----->>> 0000 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -104.6 (.4) W/M**2 -2.4 (.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 5.34 (.07)	I 3.21 (.001)	I 6.4 (.6)	I 267.6 (5.0)
I 8.50	I 5.23 (.08)	I 3.21 (.001)	I 5.7 (.6)	I
I 4.25	I 5.02 (.10)	I 3.09 (.001)	I 5.3 (.6)	I
I 2.13	I 4.83 (.10)	I 3.21 (.001)	I 4.7 (.6)	I
I 1.06	I 4.60 (.11)	I 3.04 (.001)	I 4.1 (.7)	I
I .00	I 2.81	I		
I -.02	I 4.99	I		
I -.05	I 5.90	I		
I -.10	I 7.91	I		
I -.23	I 8.78	I		
I -.51	I 6.63	I		

----->>> 0030 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -103.2 (.2) W/M**2 -2.4 (.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 5.05 (.11)	I 3.24 (.001)	I 6.4 (.6)	I 267.1 (4.7)
I 8.50	I 4.92 (.12)	I 3.24 (.001)	I 5.7 (.6)	I
I 4.25	I 4.71 (.12)	I 3.12 (.001)	I 5.2 (.6)	I
I 2.13	I 4.53 (.12)	I 3.25 (.001)	I 4.6 (.6)	I
I 1.06	I 4.31 (.11)	I 3.07 (.001)	I 4.1 (.6)	I
I .00	I 2.53	I		
I -.02	I 4.75	I		
I -.05	I 5.64	I		
I -.10	I 7.67	I		
I -.23	I 8.72	I		
I -.51	I 6.64	I		

>>> 80-05-10 0300 LT S Y N O P <<<

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CLOUDS				I		I		I	
I	N	LOW	MID-HIGH	BASE (M)	I	I	I	I	I
I	0/8	/8			I	I	I	I	I
I-----I									
I	PRESSURE (MB)			I	VISIBILITY		I	WEATHER	
I	QFE QFF			I	(KM)		I	I	
I	1014.2	1023.0	I		I	>20	I	I	

----->>> 0300 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -94.8 (.2) W/M**2 -3.1 (.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 4.02 (.17)	I 2.96 (.001)	I 4.8 (.5)	I 275.5 (5.1)
I 8.50	I 3.58 (.27)	I 2.97 (.001)	I 4.0 (.4)	I
I 4.25	I 2.92 (.38)	I 2.87 (.001)	I 3.5 (.4)	I
I 2.13	I 2.31 (.40)	I 2.95 (.001)	I 2.8 (.4)	I
I 1.06	I 1.77 (.42)	I 2.73 (.001)	I 2.4 (.5)	I
I .00	I -.20	I		I
I -.02	I 3.14	I		I
I -.05	I 4.14	I		I
I -.10	I 6.48	I		I
I -.23	I 8.33	I		I
I -.51	I 6.66	I		I

----->>> 0330 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -95.0 (.5) W/M**2 -.4 (.9) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 3.96 (.08)	I 2.96 (.000)	I 5.5 (.5)	I 276.1 (4.2)
I 8.50	I 3.68 (.11)	I 2.96 (.001)	I 4.8 (.4)	I
I 4.25	I 3.22 (.21)	I 2.88 (.001)	I 4.2 (.4)	I
I 2.13	I 2.80 (.29)	I 3.00 (.000)	I 3.6 (.4)	I
I 1.06	I 2.40 (.33)	I 2.83 (.001)	I 3.1 (.4)	I
I .00	I .26	I		I
I -.02	I 2.99	I		I
I -.05	I 3.90	I		I
I -.10	I 6.25	I		I
I -.23	I 8.25	I		I
I -.51	I 6.68	I		I

>>> 80-05-10 0400 LT S Y N O P <<<

CLOUDS				I		I		I	
I	N	LOW	MID-HIGH	BASE (M)	I	I	I	I	I
I	2/8	/8	CS	6000	I	I	I	I	I
I-----I									
I	PRESSURE (MB)			I	GEOSTROPHIC WIND (M/S)		I	VISIBILITY	
I	QFE QFF			I	UG VG		I	(KM)	
I	1014.8	1023.6	I	8.7 -8.4	I	>20	I	I	

----->>> 0400 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -89.5 (2.6) W/M**2 14.6 (6.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 3.72 (.13)	I 2.95 (.001)	I 5.7 (.4)	I 273.8 (3.6)
I 8.50	I 3.42 (.23)	I 2.93 (.001)	I 5.0 (.4)	I
I 4.25	I 3.03 (.34)	I 2.82 (.001)	I 4.3 (.5)	I
I 2.13	I 2.73 (.37)	I 2.93 (.001)	I 3.7 (.5)	I
I 1.06	I 2.43 (.36)	I 2.78 (.001)	I 3.2 (.5)	I
I .00	I .60	I		I
I -.02	I 2.94	I		I
I -.05	I 3.74	I		I
I -.10	I 6.01	I		I
I -.23	I 8.16	I		I
I -.51	I 6.68	I		I

----->>> 0430 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -67.2 (6.3) W/M**2 52.5 (8.7) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 3.50 (.06)	I 2.99 (.001)	I 5.4 (.4)	I 271.3 (3.6)
I 8.50	I 3.26 (.08)	I 2.99 (.001)	I 4.7 (.4)	I
I 4.25	I 2.97 (.11)	I 2.90 (.001)	I 4.1 (.3)	I
I 2.13	I 2.79 (.15)	I 3.02 (.000)	I 3.5 (.4)	I
I 1.06	I 2.60 (.17)	I 2.89 (.001)	I 3.0 (.4)	I
I .00	I 1.08	I		I
I -.02	I 2.89	I		I
I -.05	I 3.66	I		I
I -.10	I 5.83	I		I
I -.23	I 8.10	I		I
I -.51	I 6.71	I		I

CLOUDS				BASE (M)		VISIBILITY		WEATHER	
I	N	LOW	MID-HIGH	I	I	I	I	I	I
I	2/8	/8	CS	I	6000	I		I	
I PRESSURE (MB)					I	I VISIBILITY		I	I
I QFE QFF I					I	I (KM)		I	I
I 1015.6 1024.4 I					I	I >20		I	I

>>> 0500 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 -26.3 (10.7) W/M**2 102.9 (12.6) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 3.53 (.06)	I 2.99 (.000)	I 4.7 (.4)	I 265.0 (5.3)
I 8.50	I 3.52 (.07)	I 3.01 (.000)	I 4.2 (.4)	I
I 4.25	I 3.45 (.11)	I 2.94 (.000)	I 3.9 (.5)	I
I 2.13	I 3.41 (.13)	I 3.07 (.001)	I 3.5 (.5)	I
I 1.06	I 3.36 (.16)	I 2.97 (.001)	I 3.1 (.5)	I
I .00	I 2.64	I		
I -.02	I 3.04	I		
I -.05	I 3.69	I		
I -.10	I 5.65	I		
I -.23	I 8.00	I		
I -.51	I 6.69	I		

>>> 0530 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 33.8 (12.5) W/M**2 172.1 (14.0) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 4.19 (.24)	I 2.97 (.002)	I 5.9 (.8)	I 267.8 (6.8)
I 8.50	I 4.30 (.26)	I 2.99 (.002)	I 5.5 (.8)	I
I 4.25	I 4.34 (.26)	I 2.94 (.002)	I 5.2 (.7)	I
I 2.13	I 4.42 (.27)	I 3.08 (.002)	I 4.7 (.7)	I
I 1.06	I 4.47 (.29)	I 3.01 (.002)	I 4.3 (.7)	I
I .00	I 4.65	I		
I -.02	I 3.42	I		
I -.05	I 4.14	I		
I -.10	I 5.54	I		
I -.23	I 7.88	I		
I -.51	I 6.67	I		

>>> 80-05-10 0600 LT S Y N O P <<<

CLOUDS				BASE (M)		SOILWATER CONTENT	
I	N	LOW	MID-HIGH	I	I	I	I
I	2/8	/8	CS	I	6000	I	60.14 (MM)
I PRESSURE (MB)					I	I VISIBILITY	
I QFE QFF I					I	I (KM)	
I 1016.1 1024.9 I					I	I >20	

>>> 0600 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 97.8 (12.7) W/M**2 244.4 (14.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 4.84 (.05)	I 2.84 (.001)	I 6.9 (.8)	I 283.2 (6.3)
I 8.50	I 5.01 (.07)	I 2.82 (.001)	I 6.4 (.8)	I
I 4.25	I 5.10 (.09)	I 2.77 (.001)	I 6.2 (.8)	I
I 2.13	I 5.25 (.10)	I 2.94 (.001)	I 5.6 (.8)	I
I 1.06	I 5.40 (.11)	I 2.89 (.001)	I 5.1 (.8)	I
I .00	I 6.54	I		
I -.02	I 4.01	I		
I -.05	I 4.86	I		
I -.10	I 5.58	I		
I -.23	I 7.78	I		
I -.51	I 6.68	I		

>>> 0630 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 164.8 (13.1) W/M**2 317.9 (14.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 5.33 (.12)	I 2.74 (.002)	I 7.3 (.9)	I 293.8 (7.3)
I 8.50	I 5.54 (.13)	I 2.71 (.002)	I 6.6 (.9)	I
I 4.25	I 5.67 (.16)	I 2.66 (.002)	I 6.3 (.9)	I
I 2.13	I 5.88 (.17)	I 2.85 (.002)	I 5.7 (.9)	I
I 1.06	I 6.10 (.19)	I 2.80 (.002)	I 5.1 (.8)	I
I .00	I 8.50	I		
I -.02	I 4.71	I		
I -.05	I 5.66	I		
I -.10	I 5.70	I		
I -.23	I 7.68	I		
I -.51	I 6.66	I		

CLOUDS				PRESIPITATION			
I	N	LOW	MID-HIGH	BASE (M)	I	SINCE 19LT	I
I	2/8	/8	CS	6000	I	(MM)	I

PRESSURE (MB)		GEOSTROPHIC WIND (M/S)		VISIBILITY		WEATHER	
I	QFE	I	UG	I	(KM)	I	
I	1016.3	I	8.9	I	>30	I	

>>> 0700 LT P R O F I L E S <<<-----

NET RADIATION GLOBAL RADIATION
229.7 (11.7) W/M**2 388.2 (13.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 5.76 (.17)	I 2.56 (.002)	I 7.5 (1.1)	I 291.9 (7.2)
I 8.50	I 6.02 (.19)	I 2.53 (.002)	I 7.0 (1.1)	I
I 4.25	I 6.23 (.20)	I 2.50 (.002)	I 6.6 (1.0)	I
I 2.13	I 6.52 (.20)	I 2.69 (.002)	I 5.9 (1.0)	I
I 1.06	I 6.84 (.21)	I 2.65 (.002)	I 5.4 (1.0)	I
I .00	I 10.34	I		
I -.02	I 5.56	I		
I -.05	I 6.59	I		
I -.10	I 5.94	I		
I -.23	I 7.59	I		
I -.51	I 6.66	I		

>>> 0730 LT P R O F I L E S <<<-----

NET RADIATION GLOBAL RADIATION
293.6 (11.5) W/M**2 459.8 (13.7) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.07 (.13)	I 2.50 (.002)	I 7.6 (1.1)	I 287.6 (8.4)
I 8.50	I 6.38 (.15)	I 2.47 (.002)	I 7.0 (1.0)	I
I 4.25	I 6.61 (.18)	I 2.44 (.002)	I 6.7 (1.0)	I
I 2.13	I 6.97 (.19)	I 2.63 (.002)	I 6.1 (1.0)	I
I 1.06	I 7.40 (.20)	I 2.61 (.002)	I 5.5 (1.0)	I
I .00	I 12.93	I		
I -.02	I 6.50	I		
I -.05	I 7.53	I		
I -.10	I 6.26	I		
I -.23	I 7.49	I		
I -.51	I 6.63	I		

>>> 80-05-10 0800 LT S Y N O P <<<

CLOUDS				PRESIPITATION			
I	N	LOW	MID-HIGH	BASE (M)	I	SINCE 19LT	I
I	2/8	/8	CS	6000	I	(MM)	I

PRESSURE (MB)		GEOSTROPHIC WIND (M/S)		VISIBILITY		WEATHER	
I	QFE	I	UG	I	(KM)	I	
I	1016.4	I		I	>30	I	

>>> 0800 LT P R O F I L E S <<<-----

NET RADIATION GLOBAL RADIATION
354.5 (10.6) W/M**2 529.0 (12.4) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.50 (.20)	I 2.43 (.001)	I 7.7 (1.1)	I 289.1 (9.9)
I 8.50	I 6.86 (.24)	I 2.39 (.002)	I 7.2 (1.2)	I
I 4.25	I 7.13 (.24)	I 2.36 (.002)	I 6.9 (1.1)	I
I 2.13	I 7.55 (.25)	I 2.55 (.002)	I 6.3 (1.0)	I
I 1.06	I 8.04 (.27)	I 2.54 (.002)	I 5.7 (1.0)	I
I .00	I 14.45	I		
I -.02	I 7.47	I		
I -.05	I 8.58	I		
I -.10	I 6.67	I		
I -.23	I 7.40	I		
I -.51	I 6.63	I		

>>> 0830 LT P R O F I L E S <<<-----

NET RADIATION GLOBAL RADIATION
410.4 (11.7) W/M**2 591.1 (11.8) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.96 (.22)	I 2.30 (.002)	I 8.0 (1.1)	I 287.9 (7.9)
I 8.50	I 7.30 (.22)	I 2.26 (.002)	I 7.7 (1.1)	I
I 4.25	I 7.60 (.23)	I 2.24 (.002)	I 7.4 (1.1)	I
I 2.13	I 8.07 (.21)	I 2.43 (.002)	I 6.7 (1.0)	I
I 1.06	I 8.65 (.21)	I 2.43 (.002)	I 6.0 (1.1)	I
I .00	I 16.16	I		
I -.02	I 8.59	I		
I -.05	I 9.74	I		
I -.10	I 7.15	I		
I -.23	I 7.35	I		
I -.51	I 6.63	I		

CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	2/8	/8	CI	6000	I	I	I

I PRESSURE (MB) I				I VISIBILITY I		I WEATHER I	
I QFE QFF I				I (KM) I		I I	
I 1016.8 1025.5 I				I >30 I		I I	

----->>> 0900 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 459.3 (9.3) W/M**2 645.6 (11.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.53 (.26)	I 2.22 (.002)	I 8.0 (1.3)	I 283.6 (12.5)
I 8.50	I 7.90 (.29)	I 2.17 (.002)	I 7.4 (1.2)	I I
I 4.25	I 8.29 (.34)	I 2.17 (.003)	I 7.2 (1.2)	I I
I 2.13	I 8.78 (.33)	I 2.35 (.003)	I 6.6 (1.2)	I I
I 1.06	I 9.42 (.33)	I 2.35 (.003)	I 5.9 (1.2)	I I
I .00	I 18.29	I		
I -.02	I 9.71	I		
I -.05	I 10.75	I		
I -.10	I 7.68	I		
I -.23	I 7.30	I		
I -.51	I 6.62	I		

----->>> 0930 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 505.5 (8.8) W/M**2 698.8 (10.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.68 (.21)	I 2.06 (.002)	I 8.8 (1.1)	I 283.3 (8.7)
I 8.50	I 8.04 (.24)	I 2.01 (.003)	I 8.3 (1.1)	I I
I 4.25	I 8.43 (.26)	I 2.01 (.002)	I 7.8 (1.1)	I I
I 2.13	I 8.95 (.23)	I 2.17 (.003)	I 7.2 (1.1)	I I
I 1.06	I 9.63 (.23)	I 2.17 (.002)	I 6.6 (1.2)	I I
I .00	I 19.47	I		
I -.02	I 10.84	I		
I -.05	I 11.83	I		
I -.10	I 8.25	I		
I -.23	I 7.28	I		
I -.51	I 6.62	I		

>>> 80-05-10 1000 LT S Y N O P <<<

CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	1/8	1/8 CU	CI	2000	I	I	I

I PRESSURE (MB) I				I GEOSTROPHIC WIND (M/S) I		I VISIBILITY I	
I QFE QFF I				I UG VG I		I (KM) I	
I 1017.2 1025.9 I				I 7.6 -8.0 I		I >30 I	

----->>> 1000 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 539.6 (3.7) W/M**2 738.2 (5.9) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 8.10 (.32)	I 2.00 (.002)	I 9.0 (1.2)	I 279.7 (9.5)
I 8.50	I 8.47 (.32)	I 1.95 (.002)	I 8.5 (1.2)	I I
I 4.25	I 8.87 (.34)	I 1.96 (.002)	I 8.2 (1.2)	I I
I 2.13	I 9.42 (.35)	I 2.11 (.002)	I 7.6 (1.1)	I I
I 1.06	I 10.13 (.37)	I 2.11 (.002)	I 6.8 (1.1)	I I
I .00	I 20.29	I		
I -.02	I 11.66	I		
I -.05	I 12.64	I		
I -.10	I 8.83	I		
I -.23	I 7.25	I		
I -.51	I 6.61	I		

----->>> 1030 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 565.1 (4.9) W/M**2 769.4 (5.4) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 8.10 (.18)	I 2.03 (.002)	I 9.3 (1.3)	I 278.5 (10.5)
I 8.50	I 8.45 (.21)	I 1.98 (.002)	I 8.8 (1.4)	I I
I 4.25	I 8.85 (.26)	I 1.98 (.002)	I 8.5 (1.4)	I I
I 2.13	I 9.46 (.26)	I 2.13 (.002)	I 7.8 (1.4)	I I
I 1.06	I 10.25 (.26)	I 2.13 (.002)	I 7.0 (1.3)	I I
I .00	I 20.96	I		
I -.02	I 12.61	I		
I -.05	I 13.52	I		
I -.10	I 9.43	I		
I -.23	I 7.28	I		
I -.51	I 6.62	I		

CLOUDS				BASE (M)		VISIBILITY		WEATHER	
I	N	LOW	MID-HIGH	I	I	I	I	I	I
I	1/8	1/8 CU	CI	2000	I	I	I	I	I
I PRESSURE (MB) I					I VISIBILITY I WEATHER I				
I QFE QFF I					I (KM) I I				
I 1017.2 1025.9 I					I >30 I I				

>>> 1100 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 583.2 (4.4) W/M**2 792.4 (4.5) W/M**2

HEIGHT (M)	TEMP. (DEG. CENTG)	MIX. RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00 I	8.52 (.22) I	2.12 (.002) I	9.5 (1.2) I	271.6 (8.2) I
I 8.50 I	8.93 (.27) I	2.07 (.002) I	9.0 (1.2) I	I
I 4.25 I	9.37 (.30) I	2.07 (.002) I	8.6 (1.2) I	I
I 2.13 I	10.01 (.28) I	2.21 (.002) I	7.9 (1.3) I	I
I 1.06 I	10.85 (.27) I	2.21 (.002) I	7.2 (1.2) I	I
I .00 I	23.00 I	I	I	I
I -.02 I	13.71 I	I	I	I
I -.05 I	14.51 I	I	I	I
I -.10 I	10.01 I	I	I	I
I -.23 I	7.31 I	I	I	I
I -.51 I	6.63 I	I	I	I

>>> 1130 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 595.2 (.9) W/M**2 806.5 (1.9) W/M**2

HEIGHT (M)	TEMP. (DEG. CENTG)	MIX. RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00 I	8.85 (.29) I	2.07 (.002) I	9.7 (1.4) I	274.6 (8.0) I
I 8.50 I	9.27 (.33) I	2.02 (.002) I	9.2 (1.4) I	I
I 4.25 I	9.70 (.36) I	2.02 (.002) I	8.8 (1.4) I	I
I 2.13 I	10.37 (.35) I	2.17 (.002) I	8.1 (1.4) I	I
I 1.06 I	11.25 (.33) I	2.16 (.002) I	7.2 (1.3) I	I
I .00 I	23.02 I	I	I	I
I -.02 I	14.51 I	I	I	I
I -.05 I	15.28 I	I	I	I
I -.10 I	10.61 I	I	I	I
I -.23 I	7.37 I	I	I	I
I -.51 I	6.63 I	I	I	I

>>> 80-05-10 1200 LT S Y N O P <<<

CLOUDS				BASE (M)		VISIBILITY		WEATHER	
I	N	LOW	MID-HIGH	I	I	I	I	I	I
I	1/8	1/8 CU	CI	2000	I	I	I	I	I
I PRESSURE (MB) I					I VISIBILITY I WEATHER I				
I QFE QFF I					I (KM) I I				
I 1017.6 1026.2 I					I >30 I I				

>>> 1200 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 598.8 (.7) W/M**2 812.4 (.7) W/M**2

HEIGHT (M)	TEMP. (DEG. CENTG)	MIX. RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00 I	9.11 (.17) I	2.03 (.001) I	9.8 (1.2) I	276.8 (6.8) I
I 8.50 I	9.53 (.21) I	1.98 (.002) I	9.3 (1.2) I	I
I 4.25 I	9.98 (.25) I	1.99 (.001) I	9.0 (1.3) I	I
I 2.13 I	10.63 (.26) I	2.13 (.002) I	8.2 (1.2) I	I
I 1.06 I	11.48 (.24) I	2.12 (.002) I	7.6 (1.2) I	I
I .00 I	23.12 I	I	I	I
I -.02 I	15.07 I	I	I	I
I -.05 I	15.87 I	I	I	I
I -.10 I	11.17 I	I	I	I
I -.23 I	7.43 I	I	I	I
I -.51 I	6.63 I	I	I	I

>>> 1230 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 591.7 (3.1) W/M**2 803.4 (2.6) W/M**2

HEIGHT (M)	TEMP. (DEG. CENTG)	MIX. RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00 I	9.59 (.35) I	1.94 (.003) I	9.9 (1.4) I	273.9 (10.7) I
I 8.50 I	10.02 (.37) I	1.89 (.003) I	9.5 (1.4) I	I
I 4.25 I	10.46 (.38) I	1.92 (.003) I	9.0 (1.5) I	I
I 2.13 I	11.09 (.33) I	2.04 (.003) I	8.4 (1.5) I	I
I 1.06 I	11.92 (.33) I	2.02 (.003) I	7.6 (1.4) I	I
I .00 I	22.58 I	I	I	I
I -.02 I	15.61 I	I	I	I
I -.05 I	16.30 I	I	I	I
I -.10 I	11.67 I	I	I	I
I -.23 I	7.52 I	I	I	I
I -.51 I	6.63 I	I	I	I

CLOUDS				PRESIPITATION	
I	N	LOW	MID-HIGH	BASE (M)	I SINCE 01LT
I	1/8	1/8 CU		2300	I (MM)
I PRESSURE (MB) I GEOSTROPHIC WIND (M/S) I VISIBILITY I WEATHER I					
I	QFE	QFF	I UG	VG	UG-850-VG I (KM)
I	1017.6	1026.2	I 6.6	-7.6	7.9 -8.1 I >30

>>> 1300 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
577.9 (3.7) W/M**2 785.9 (4.7) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 9.68 (.29)	I 1.86 (.001)	I 10.8 (1.5)	I 274.8 (9.4)
I 8.50	I 10.11 (.31)	I 1.81 (.001)	I 10.0 (1.6)	I
I 4.25	I 10.61 (.33)	I 1.84 (.001)	I 9.4 (1.6)	I
I 2.13	I 11.28 (.36)	I 1.96 (.002)	I 8.7 (1.5)	I
I 1.06	I 12.11 (.32)	I 1.94 (.001)	I 7.8 (1.4)	I
I .00	I 23.36	I		
I -.02	I 16.13	I		
I -.05	I 16.57	I		
I -.10	I 12.12	I		
I -.23	I 7.59	I		
I -.51	I 6.62	I		

>>> 1330 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
554.8 (5.4) W/M**2 761.5 (6.0) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 9.81 (.38)	I 1.87 (.001)	I 10.7 (1.5)	I 277.3 (13.6)
I 8.50	I 10.23 (.33)	I 1.82 (.001)	I 10.1 (1.6)	I
I 4.25	I 10.65 (.36)	I 1.85 (.001)	I 9.7 (1.6)	I
I 2.13	I 11.25 (.37)	I 1.98 (.002)	I 8.8 (1.6)	I
I 1.06	I 11.99 (.35)	I 1.95 (.002)	I 8.0 (1.6)	I
I .00	I 21.65	I		
I -.02	I 16.18	I		
I -.05	I 16.68	I		
I -.10	I 12.50	I		
I -.23	I 7.69	I		
I -.51	I 6.61	I		

>>> 80-05-10 1400 LT S Y N O P <<<

CLOUDS				VISIBILITY	
I	N	LOW	MID-HIGH	BASE (M)	I SINCE 01LT
I	1/8	1/8 CU		2300	I (KM)
I PRESSURE (MB) I VISIBILITY I WEATHER I					
I	QFE	QFF	I		I (KM)
I	1017.6	1026.2	I		I >35

>>> 1400 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
520.6 (7.7) W/M**2 724.3 (7.9) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 10.14 (.32)	I 1.97 (.002)	I 9.3 (1.4)	I 289.1 (12.0)
I 8.50	I 10.54 (.35)	I 1.93 (.002)	I 8.8 (1.4)	I
I 4.25	I 10.99 (.36)	I 1.98 (.002)	I 8.3 (1.4)	I
I 2.13	I 11.54 (.40)	I 2.09 (.002)	I 7.5 (1.3)	I
I 1.06	I 12.26 (.31)	I 2.05 (.002)	I 6.8 (1.2)	I
I .00	I 21.42	I		
I -.02	I 16.51	I		
I -.05	I 16.72	I		
I -.10	I 12.82	I		
I -.23	I 7.82	I		
I -.51	I 6.62	I		

>>> 1430 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
480.2 (8.5) W/M**2 682.0 (8.6) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 10.40 (.25)	I 2.01 (.003)	I 9.7 (1.7)	I 281.7 (10.2)
I 8.50	I 10.75 (.26)	I 1.97 (.003)	I 9.2 (1.8)	I
I 4.25	I 11.13 (.27)	I 1.99 (.002)	I 8.9 (1.8)	I
I 2.13	I 11.69 (.30)	I 2.12 (.003)	I 8.1 (1.7)	I
I 1.06	I 12.40 (.32)	I 2.09 (.002)	I 7.2 (1.6)	I
I .00	I 21.04	I		
I -.02	I 16.44	I		
I -.05	I 16.64	I		
I -.10	I 13.02	I		
I -.23	I 7.92	I		
I -.51	I 6.59	I		

>>> 80-05-10 1500 LT S Y N O P <<<

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CLOUDS						
I	N	LOW	MID-HIGH	BASE (M)	I	I
I	1/8	1/8 CU		2400	I	I
I - - - - - I						
I	PRESSURE (MB)			I	VISIBILITY	
I	QFE	QFF	I	I	(KM)	
I	1017.4	1026.0	I	I	>35	
I - - - - - I						

----->>> 1500 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 431.8 (12.0) W/M**2 629.7 (12.8) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 10.74 (.19)	I 1.82 (.003)	I 9.9 (1.5)	I 301.2 (15.0)
I 8.50	I 11.06 (.21)	I 1.77 (.003)	I 9.3 (1.6)	I
I 4.25	I 11.43 (.25)	I 1.80 (.003)	I 8.8 (1.7)	I
I 2.13	I 11.97 (.24)	I 1.92 (.003)	I 7.9 (1.5)	I
I 1.06	I 12.56 (.24)	I 1.90 (.003)	I 7.0 (1.5)	I
I .00	I 18.23	I		
I -.02	I 15.43	I		
I -.05	I 16.07	I		
I -.10	I 13.20	I		
I -.23	I 8.05	I		
I -.51	I 6.59	I		

----->>> 1530 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 376.8 (11.6) W/M**2 571.8 (13.4) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 11.06 (.25)	I 1.62 (.003)	I 9.6 (1.5)	I 305.1 (10.9)
I 8.50	I 11.36 (.25)	I 1.56 (.003)	I 9.0 (1.5)	I
I 4.25	I 11.70 (.28)	I 1.61 (.002)	I 8.6 (1.5)	I
I 2.13	I 12.20 (.26)	I 1.71 (.003)	I 7.8 (1.4)	I
I 1.06	I 12.75 (.23)	I 1.70 (.003)	I 6.8 (1.4)	I
I .00	I 18.10	I		
I -.02	I 15.28	I		
I -.05	I 15.40	I		
I -.10	I 13.25	I		
I -.23	I 8.21	I		
I -.51	I 6.63	I		

>>> 80-05-10 1600 LT S Y N O P <<<

CLOUDS						
I	N	LOW	MID-HIGH	BASE (M)	I	I
I	1/8	1/8 CU	CT	2400	I	I
I - - - - - I						
I	PRESSURE (MB)			I	VISIBILITY	
I	QFE	QFF	I	I	(KM)	
I	1017.5	1026.1	I	I	>35	
I - - - - - I						

----->>> 1600 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 317.8 (13.3) W/M**2 503.0 (14.9) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 10.99 (.21)	I 1.68 (.002)	I 9.6 (1.6)	I 299.8 (7.8)
I 8.50	I 11.27 (.23)	I 1.63 (.002)	I 9.0 (1.7)	I
I 4.25	I 11.57 (.24)	I 1.67 (.002)	I 8.7 (1.6)	I
I 2.13	I 11.98 (.22)	I 1.75 (.002)	I 7.9 (1.5)	I
I 1.06	I 12.49 (.20)	I 1.74 (.002)	I 7.0 (1.4)	I
I .00	I 16.80	I		
I -.02	I 14.89	I		
I -.05	I 15.09	I		
I -.10	I 13.13	I		
I -.23	I 8.32	I		
I -.51	I 6.59	I		

Data missing due to power failure.

CLOUDS				BASE (M)		SOILWATER	
I	N	LOW	MID-HIGH	I	I	I	CONTENT
I	1/8	1/8 CU	CI	I	I	I	59.59 (MM)
I				I		I	
I	PRESSURE (MB)			I	VISIBILITY		
I	QFE QFF I			I	(KM)		
I	1017.6	1026.2	I	I	>35		

Data missing due to power failure.

>>> 1730 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 120.4 (12.1) W/M**2 287.7 (13.0) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 11.37 (.45)	I 1.80 (.002)	I 7.8 (1.3)	I 299.6 (10.1)
I 8.50	I 11.59 (.48)	I 1.75 (.002)	I 7.2 (1.2)	I
I 4.25	I 11.75 (.47)	I 1.78 (.002)	I 6.8 (1.4)	I
I 2.13	I 11.98 (.43)	I 1.87 (.002)	I 6.1 (1.2)	I
I 1.06	I 12.21 (.45)	I 1.81 (.002)	I 5.5 (1.1)	I
I .00	I 14.60	I		
I -.02	I 13.67	I		
I -.05	I 13.68	I		
I -.10	I 12.80	I		
I -.23	I 8.75	I		
I -.51	I 6.68	I		

>>> 80-05-10 1800 LT S Y N O P <<<

CLOUDS				BASE (M)			
I	N	LOW	MID-HIGH	I	I	I	
I	1/8	1/8 CU	CI	I	I	I	
I				I		I	
I	PRESSURE (MB)			I	VISIBILITY		
I	QFE QFF I			I	(KM)		
I	1017.5	1026.1	I	I	>30		

>>> 1800 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 56.6 (12.5) W/M**2 215.0 (14.0) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 11.48 (.06)	I 1.81 (.001)	I 7.5 (1.2)	I 300.2 (10.3)
I 8.50	I 11.64 (.06)	I 1.76 (.001)	I 7.0 (1.3)	I
I 4.25	I 11.75 (.06)	I 1.79 (.001)	I 6.6 (1.1)	I
I 2.13	I 11.88 (.06)	I 1.87 (.002)	I 5.9 (1.1)	I
I 1.06	I 12.06 (.05)	I 1.81 (.001)	I 5.2 (1.0)	I
I .00	I 13.63	I		
I -.02	I 12.96	I		
I -.05	I 13.03	I		
I -.10	I 12.61	I		
I -.23	I 8.85	I		
I -.51	I 6.69	I		

>>> 1830 LT P R O F I L E S <<<
 NET RADIATION GLOBAL RADIATION
 -3.9 (11.2) W/M**2 145.4 (12.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 11.48 (.05)	I 1.77 (.002)	I 7.0 (1.2)	I 302.3 (9.2)
I 8.50	I 11.59 (.06)	I 1.72 (.002)	I 6.4 (1.1)	I
I 4.25	I 11.65 (.07)	I 1.75 (.002)	I 6.0 (1.1)	I
I 2.13	I 11.69 (.09)	I 1.83 (.002)	I 5.3 (1.0)	I
I 1.06	I 11.79 (.11)	I 1.76 (.002)	I 4.8 (1.0)	I
I .00	I 12.28	I		
I -.02	I 12.25	I		
I -.05	I 12.41	I		
I -.10	I 12.35	I		
I -.23	I 8.94	I		
I -.51	I 6.69	I		

>>> 80-05-10 1900 LT S Y N O P <<<

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CLOUDS				BASE (M)		PRESTIPITATION	
I	N	LOW	MID-HIGH	I	SINCE 07LT	I	I
I	2/8	2/8 CU		I	2000	I	(MM)

PRESSURE (MB)		GEOSTROPHIC WIND (M/S)		VISIBILITY		WEATHER	
I	QFE	QFF	I	UG	VG	I	(KM)
I	1017.9	1026.5	I	3.9	-5.9	I	>30

>>> 1900 LT P R O F I L E S <<<

 NET RADIATION GLOBAL RADIATION
 -54.3 (8.6) W/M**2 84.9 (11.0) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 11.18 (.08)	I 1.85 (.001)	I 6.3 (.9)	I 302.0 (8.2)
I 8.50	I 11.23 (.09)	I 1.80 (.001)	I 5.9 (.9)	I
I 4.25	I 11.21 (.11)	I 1.81 (.001)	I 5.4 (1.0)	I
I 2.13	I 11.16 (.13)	I 1.90 (.001)	I 4.8 (.9)	I
I 1.06	I 11.16 (.15)	I 1.82 (.001)	I 4.1 (.8)	I
I .00	I 10.82	I		
I -.02	I 11.34	I		
I -.05	I 11.70	I		
I -.10	I 12.02	I		
I -.23	I 8.96	I		
I -.51	I 6.66	I		

>>> 1930 LT P R O F I L E S <<<

 NET RADIATION GLOBAL RADIATION
 -90.0 (5.8) W/M**2 35.1 (8.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 10.79 (.09)	I 1.85 (.001)	I 5.8 (.8)	I 301.9 (6.6)
I 8.50	I 10.75 (.11)	I 1.80 (.001)	I 5.2 (.8)	I
I 4.25	I 10.61 (.16)	I 1.81 (.001)	I 4.7 (.8)	I
I 2.13	I 10.47 (.18)	I 1.90 (.001)	I 4.1 (.8)	I
I 1.06	I 10.32 (.19)	I 1.80 (.001)	I 3.7 (.8)	I
I .00	I 9.23	I		
I -.02	I 10.35	I		
I -.05	I 10.98	I		
I -.10	I 11.65	I		
I -.23	I 8.99	I		
I -.51	I 6.62	I		

>>> 80-05-10 2000 LT S Y N O P <<<

CLOUDS				BASE (M)			
I	N	LOW	MID-HIGH	I		I	
I	1/8	1/8 CU		I	2000	I	

PRESSURE (MB)				VISIBILITY		WEATHER	
I	QFE	QFF	I	I	(KM)	I	
I	1018.1	1026.8	I	I	>30	I	

>>> 2000 LT P R O F I L E S <<<

 NET RADIATION GLOBAL RADIATION
 -105.5 (.5) W/M**2 5.7 (2.5) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 10.30 (.11)	I 1.95 (.002)	I 5.3 (.6)	I 310.2 (5.1)
I 8.50	I 10.15 (.12)	I 1.93 (.004)	I 4.7 (.6)	I
I 4.25	I 9.87 (.16)	I 1.91 (.002)	I 4.3 (.6)	I
I 2.13	I 9.56 (.21)	I 2.02 (.002)	I 3.6 (.7)	I
I 1.06	I 9.30 (.24)	I 1.89 (.002)	I 3.0 (.7)	I
I .00	I 7.76	I		
I -.02	I 9.40	I		
I -.05	I 10.27	I		
I -.10	I 11.28	I		
I -.23	I 9.01	I		
I -.51	I 6.59	I		

>>> 2030 LT P R O F I L E S <<<

 NET RADIATION GLOBAL RADIATION
 -101.5 (3.1) W/M**2 -1.2 (.7) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 9.73 (.06)	I 2.14 (.002)	I 4.1 (.3)	I 310.4 (4.4)
I 8.50	I 9.44 (.09)	I 2.10 (.002)	I 3.4 (.2)	I
I 4.25	I 8.79 (.15)	I 2.03 (.002)	I 2.9 (.2)	I
I 2.13	I 8.06 (.26)	I 2.13 (.003)	I 2.2 (.3)	I
I 1.06	I 7.54 (.35)	I 1.93 (.002)	I 1.7 (.2)	I
I .00	I 6.22	I		
I -.02	I 8.55	I		
I -.05	I 9.61	I		
I -.10	I 10.90	I		
I -.23	I 9.04	I		
I -.51	I 6.59	I		

CLOUDS						
I	N	LOW	MID-HIGH	BASE (M)	I	I
I	1/8	1/8 CU		2500	I	I

I	PRESSURE (MB)			I	VISIBILITY	
I	QFE QFF I			I	(KM)	
I	1018.8	1027.6	I	I	>30	

				I WEATHER I		

>>> 2100 LT P R O F I L E S <<<-----

NET RADIATION GLOBAL RADIATION
 -99.0 (.4) W/M**2 -2.7 (.8) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 8.75 (.32)	I 2.20 (.002)	I 3.1 (.3)	I 311.5 (23.8) I
I 8.50	I 8.19 (.42)	I 2.20 (.004)	I 2.6 (.4)	I I
I 4.25	I 7.10 (.52)	I 2.10 (.005)	I 2.2 (.6)	I I
I 2.13	I 6.12 (.50)	I 2.26 (.005)	I 1.7 (.6)	I I
I 1.06	I 5.39 (.41)	I 1.95 (.003)	I 1.3 (.5)	I I
I .00	I 4.57	I		
I -.02	I 7.66	I		
I -.05	I 8.93	I		
I -.10	I 10.51	I		
I -.23	I 9.05	I		
I -.51	I 6.58	I		

>>> 2130 LT P R O F I L E S <<<-----

NET RADIATION GLOBAL RADIATION
 -96.0 (1.6) W/M**2 -2.2 (.4) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 8.09 (.09)	I 2.48 (.002)	I 3.3 (.3)	I 313.9 (8.4) I
I 8.50	I 7.74 (.20)	I 2.47 (.002)	I 2.9 (.3)	I I
I 4.25	I 6.84 (.36)	I 2.37 (.002)	I 2.7 (.3)	I I
I 2.13	I 5.18 (.29)	I 2.39 (.003)	I 1.9 (.2)	I I
I 1.06	I 4.13 (.34)	I 2.07 (.002)	I 1.3 (.2)	I I
I .00	I 3.80	I		
I -.02	I 6.93	I		
I -.05	I 8.25	I		
I -.10	I 10.13	I		
I -.23	I 9.05	I		
I -.51	I 6.59	I		

>>> 80-05-10 2200 LT S Y N O P <<<

CLOUDS						
I	N	LOW	MID-HIGH	BASE (M)	I	I
I	1/8	1/8 CU		2500	I	I

I	PRESSURE (MB)			I	VISIBILITY	
I	QFE QFF I UG VG			I	(KM)	
I	1019.4	1028.3	I 1.9 -6.4	I	>30	

				I WEATHER I		

>>> 2200 LT P R O F I L E S <<<-----

NET RADIATION GLOBAL RADIATION
 -96.6 (1.5) W/M**2 -3.5 (1.5) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 8.00 (.26)	I 2.39 (.001)	I 5.0 (.5)	I 332.7 (8.3) I
I 8.50	I 7.32 (.40)	I 2.41 (.002)	I 4.1 (.5)	I I
I 4.25	I 6.46 (.55)	I 2.35 (.002)	I 3.4 (.5)	I I
I 2.13	I 5.70 (.64)	I 2.54 (.001)	I 2.7 (.5)	I I
I 1.06	I 5.18 (.72)	I 2.39 (.001)	I 2.1 (.5)	I I
I .00	I 4.04	I		
I -.02	I 6.37	I		
I -.05	I 7.67	I		
I -.10	I 9.71	I		
I -.23	I 9.05	I		
I -.51	I 6.58	I		

>>> 2230 LT P R O F I L E S <<<-----

NET RADIATION GLOBAL RADIATION
 -92.8 (1.5) W/M**2 -2.4 (.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.20 (.21)	I 2.44 (.002)	I 3.2 (.2)	I 335.4 (3.5) I
I 8.50	I 6.69 (.36)	I 2.47 (.002)	I 2.6 (.3)	I I
I 4.25	I 4.84 (.91)	I 2.33 (.002)	I 2.1 (.4)	I I
I 2.13	I 3.46 (.46)	I 2.40 (.002)	I 1.4 (.3)	I I
I 1.06	I 2.89 (.35)	I 2.12 (.001)	I 1.1 (.2)	I I
I .00	I 2.85	I		
I -.02	I 5.89	I		
I -.05	I 7.21	I		
I -.10	I 9.32	I		
I -.23	I 9.03	I		
I -.51	I 6.59	I		

CLOUDS					
I	N	LOW	MID-HIGH	BASE (M)	
I	0/8	/8			

I	PRESSURE (MB)			I	VISIBILITY
I	QFE	QFF	I	(KM)	I WEATHER
I	1020.6	1029.5	I	>30	I

----->>> 2300 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -92.1 (1.2) W/M**2 -2.7 (.4) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.68 (.12)	I 2.49 (.001)	I 4.0 (.2)	I 338.2 (2.6)
I 8.50	I 6.20 (.20)	I 2.48 (.001)	I 3.5 (.2)	I
I 4.25	I 4.00 (.52)	I 2.35 (.003)	I 2.7 (.2)	I
I 2.13	I 2.76 (.45)	I 2.44 (.003)	I 1.8 (.2)	I
I 1.06	I 2.08 (.31)	I 2.19 (.003)	I 1.3 (.2)	I
I .00	I 2.07	I		
I -.02	I 5.32	I		
I -.05	I 6.72	I		
I -.10	I 8.96	I		
I -.23	I 9.00	I		
I -.51	I 6.59	I		

----->>> 2330 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -88.4 (2.4) W/M**2 -3.0 (.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.39 (.14)	I 2.41 (.000)	I 3.2 (.4)	I 327.9 (4.5)
I 8.50	I 5.98 (.13)	I 2.42 (.000)	I 2.7 (.4)	I
I 4.25	I 5.03 (.33)	I 2.51 (.001)	I 2.3 (.2)	I
I 2.13	I 3.19 (.44)	I 2.54 (.001)	I 1.7 (.2)	I
I 1.06	I 1.59 (.29)	I 2.16 (.001)	I 1.2 (.1)	I
I .00	I 1.44	I		
I -.02	I 4.81	I		
I -.05	I 6.24	I		
I -.10	I 8.59	I		
I -.23	I 8.96	I		
I -.51	I 6.61	I		

>>> 80-05-11 0000 LT S Y N O P <<<

CLOUDS					
I	N	LOW	MID-HIGH	BASE (M)	
I	0/8	/8			

I	PRESSURE (MB)			I	VISIBILITY
I	QFE	QFF	I	(KM)	I WEATHER
I	1021.3	1030.3	I	>30	I

----->>> 0000 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -87.6 (.6) W/M**2 -2.9 (.7) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 5.94 (.07)	I 2.45 (.002)	I 3.2 (.4)	I 314.9 (9.9)
I 8.50	I 5.48 (.10)	I 2.45 (.002)	I 2.7 (.2)	I
I 4.25	I 4.48 (.27)	I 2.41 (.002)	I 2.2 (.2)	I
I 2.13	I 3.04 (.59)	I 2.51 (.002)	I 1.7 (.2)	I
I 1.06	I 1.36 (.36)	I 2.20 (.002)	I 1.2 (.1)	I
I .00	I .89	I		
I -.02	I 4.36	I		
I -.05	I 5.80	I		
I -.10	I 8.24	I		
I -.23	I 8.91	I		
I -.51	I 6.62	I		

----->>> 0030 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -82.0 (3.4) W/M**2 -2.5 (.6) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 5.58 (.12)	I 2.39 (.001)	I 3.7 (.3)	I 338.9 (4.8)
I 8.50	I 5.16 (.12)	I 2.39 (.001)	I 3.1 (.3)	I
I 4.25	I 4.03 (.31)	I 2.30 (.001)	I 2.6 (.2)	I
I 2.13	I 2.49 (.38)	I 2.40 (.001)	I 1.9 (.2)	I
I 1.06	I 1.23 (.50)	I 2.18 (.001)	I 1.3 (.2)	I
I .00	I .76	I		
I -.02	I 3.96	I		
I -.05	I 5.39	I		
I -.10	I 7.88	I		
I -.23	I 8.85	I		
I -.51	I 6.62	I		

CLOUDS				PRESIPITATION	
N	LOW	MID-HIGH	BASE (M)	SINCE 13LT	(MM)
0/8	/8				
PRESSURE (MB) I GEOSTROPHIC WIND (M/S) I VISIBILITY I WEATHER I					
QFE	QFF	UG	VG	UG-850-VG	(KM)
1021.6	1030.6	.7	-7.1	2.7 -9.9	>30

>>> 0100 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
 -88.7 (1.1) W/M**2 -2.4 (.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	5.08 (.11)	2.39 (.001)	3.2 (.2)	329.7 (6.1)
8.50	4.71 (.10)	2.39 (.001)	2.6 (.2)	
4.25	3.26 (.55)	2.26 (.001)	2.0 (.2)	
2.13	.86 (.95)	2.20 (.002)	1.1 (.3)	
1.06	-.11 (.66)	1.96 (.001)	.7 (.2)	
.00	.03			
-.02	3.61			
-.05	5.05			
-.10	7.57			
-.23	8.77			
-.51	6.63			

>>> 0130 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
 -89.0 (1.4) W/M**2 -3.3 (.4) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	4.67 (.06)	2.35 (.000)	4.3 (.5)	339.7 (7.8)
8.50	4.12 (.18)	2.34 (.001)	3.6 (.5)	
4.25	2.96 (.47)	2.23 (.001)	2.9 (.4)	
2.13	1.45 (.24)	2.37 (.001)	2.0 (.3)	
1.06	.13 (.68)	2.15 (.001)	1.5 (.3)	
.00	-.44			
-.02	3.14			
-.05	4.63			
-.10	7.25			
-.23	8.70			
-.51	6.63			

>>> 80-05-11 0200 LT S Y N O P <<<

CLOUDS				PRESIPITATION	
N	LOW	MID-HIGH	BASE (M)	SINCE 13LT	(MM)
0/8	/8				
PRESSURE (MB) I VISIBILITY I WEATHER I					
QFE	QFF	UG	VG	UG-850-VG	(KM)
1021.7	1030.7				>30

>>> 0200 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
 -91.1 (1.1) W/M**2 -2.7 (.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	3.87 (.25)	2.31 (.002)	3.5 (.5)	335.2 (4.7)
8.50	3.31 (.24)	2.33 (.002)	2.7 (.6)	
4.25	2.33 (.17)	2.27 (.002)	2.2 (.4)	
2.13	1.02 (.36)	2.33 (.001)	1.7 (.3)	
1.06	-.14 (.41)	2.07 (.001)	1.1 (.3)	
.00	-.47			
-.02	2.87			
-.05	4.29			
-.10	6.93			
-.23	8.62			
-.51	6.64			

>>> 0230 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
 -91.4 (.2) W/M**2 -3.0 (.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
17.00	3.60 (.05)	2.33 (.001)	3.9 (.4)	348.0 (11.4)
8.50	3.10 (.13)	2.32 (.001)	3.2 (.3)	
4.25	1.88 (.23)	2.21 (.001)	2.7 (.3)	
2.13	.84 (.20)	2.31 (.001)	1.9 (.2)	
1.06	.18 (.16)	2.16 (.001)	1.4 (.2)	
.00	-.73			
-.02	2.56			
-.05	3.95			
-.10	6.63			
-.23	8.53			
-.51	6.66			

>>> 80-05-11 0300 LT S Y N O P <<<

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CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	0/8	/8			I	I	I
I					I		I
I	PRESSURE (MB)	I			I	VISIBILITY	I
I	QFE	QFF	I		I	(KM)	I
I	1022.1	1031.1	I		I	>30	I

----->>> 0300 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -90.3 (.1) W/M**2 -2.7 (.4) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 3.42 (.10)	I 2.31 (.000)	I 3.9 (.3)	I 340.0 (2.8) I
I 8.50	I 3.04 (.21)	I 2.30 (.000)	I 3.3 (.3)	I
I 4.25	I 2.07 (.41)	I 2.28 (.000)	I 2.8 (.3)	I
I 2.13	I .45 (.33)	I 2.30 (.000)	I 1.9 (.2)	I
I 1.06	I -.71 (.34)	I 2.05 (.001)	I 1.3 (.1)	I
I .00	I -1.08	I		
I -.02	I 2.29	I		
I -.05	I 3.66	I		
I -.10	I 6.35	I		
I -.23	I 8.44	I		
I -.51	I 6.67	I		

----->>> 0330 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -87.7 (.5) W/M**2 -4 (1.6) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 2.94 (.09)	I 2.32 (.001)	I 3.3 (.2)	I 333.8 (4.5) I
I 8.50	I 2.44 (.09)	I 2.31 (.001)	I 2.6 (.2)	I
I 4.25	I 1.74 (.30)	I 2.26 (.001)	I 2.4 (.2)	I
I 2.13	I .28 (.69)	I 2.34 (.001)	I 1.8 (.2)	I
I 1.06	I -1.03 (.49)	I 2.10 (.001)	I 1.3 (.2)	I
I .00	I -1.49	I		
I -.02	I 1.99	I		
I -.05	I 3.35	I		
I -.10	I 6.08	I		
I -.23	I 8.37	I		
I -.51	I 6.69	I		

>>> 80-05-11 0400 LT S Y N O P <<<

CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	0/8	/8			I	I	I
I					I		I
I	PRESSURE (MB)	I	GEOSTROPHIC WIND (M/S)	I	VISIBILITY	I	WEATHER
I	QFE	QFF	UG VG	I	(KM)	I	
I	1022.6	1031.6	I .4 -7.3	I	>30	I	

----->>> 0400 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -78.5 (2.2) W/M**2 15.2 (7.1) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 2.93 (.05)	I 2.33 (.000)	I 3.8 (.2)	I 338.5 (3.7) I
I 8.50	I 2.50 (.07)	I 2.36 (.000)	I 3.2 (.1)	I
I 4.25	I 1.41 (.19)	I 2.26 (.001)	I 2.7 (.1)	I
I 2.13	I -.55 (.14)	I 2.25 (.001)	I 1.8 (.2)	I
I 1.06	I -1.62 (.15)	I 2.04 (.001)	I 1.2 (.1)	I
I .00	I -1.67	I		
I -.02	I 1.71	I		
I -.05	I 3.07	I		
I -.10	I 5.82	I		
I -.23	I 8.26	I		
I -.51	I 6.71	I		

----->>> 0430 LT P R O F I L E S <<<-----
 NET RADIATION GLOBAL RADIATION
 -56.7 (5.4) W/M**2 55.6 (8.6) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 2.57 (.06)	I 2.29 (.000)	I 2.5 (.2)	I 322.6 (5.5) I
I 8.50	I 2.39 (.06)	I 2.29 (.000)	I 2.1 (.2)	I
I 4.25	I 1.86 (.11)	I 2.25 (.000)	I 1.8 (.2)	I
I 2.13	I 1.12 (.23)	I 2.41 (.001)	I 1.2 (.2)	I
I 1.06	I .54 (.37)	I 2.32 (.001)	I .9 (.1)	I
I .00	I -.77	I		
I -.02	I 1.63	I		
I -.05	I 2.88	I		
I -.10	I 5.56	I		
I -.23	I 8.16	I		
I -.51	I 6.71	I		

I		CLOUDS		I	PRESIPITATION	I	
I	N	LOW	MID-HIGH	I	SINCE 19LT	I	
I	1/8	/8	CI	I	(MM)	I	
I			5000	I		I	
I				I		I	
I	PRESSURE (MB)	I	GEOSTROPHIC WIND (M/S)	I	VISIBILITY	I	WEATHER
I	QFE	I	UG VG	I	(KM)	I	
I	1024.2	I	-0.3 -7.4	I	>20	I	

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----->>> 0700 LT      P R O F I L E S      <<<-----
      NET RADIATION      GLOBAL RADIATION
231.1 ( 11.7) W/M**2      389.8 ( 12.7) W/M**2

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HEIGHT (M)		TEMP. (DEG. CENTG)		MIX. RATIO (G/KG)		WIND SPEED (M/S)		WIND DIRECTION (DEG)	
I	17.00	I	4.96 (.22)	I	2.44 (.001)	I	4.6 (.7)	I	11.5 (33.6)
I	8.50	I	5.15 (.26)	I	2.39 (.001)	I	4.4 (.8)	I	
I	4.25	I	5.28 (.30)	I	2.34 (.001)	I	4.3 (.8)	I	
I	2.13	I	5.64 (.31)	I	2.51 (.001)	I	3.7 (.8)	I	
I	1.06	I	5.86 (.28)	I	2.43 (.001)	I	3.3 (.7)	I	
I	.00	I	11.43	I					
I	-.02	I	5.18	I					
I	-.05	I	6.32	I					
I	-.10	I	5.64	I					
I	-.23	I	7.59	I					
I	-.51	I	6.67	I					

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----->>> 0730 LT      P R O F I L E S      <<<-----
      NET RADIATION      GLOBAL RADIATION
292.1 ( 10.7) W/M**2      460.1 ( 13.4) W/M**2

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HEIGHT (M)		TEMP.(DEG.CENTG)		MIX.RATIO (G/KG)		WIND SPEED (M/S)		WIND DIRECTION (DEG)	
I	17.00	I	5.48 (.13)	I	2.36 (.001)	I	4.7 (.8)	I	2.0 (.21.9)
I	8.50	I	5.71 (.17)	I	2.33 (.001)	I	4.5 (.8)	I	
I	4.25	I	5.85 (.23)	I	2.27 (.001)	I	4.3 (.8)	I	
I	2.13	I	6.30 (.23)	I	2.44 (.002)	I	3.8 (.8)	I	
I	1.06	I	6.62 (.22)	I	2.39 (.001)	I	3.5 (.8)	I	
I	.00	I	13.78	I					
I	-.02	I	6.31	I					
I	-.05	I	7.49	I					
I	-.10	I	6.01	I					
I	-.23	I	7.48	I					
I	-.51	I	6.66	I					

>>> 80-05-11 0800 LT S Y N O P <<<

I	CLOUDS			I	I
I	N	LOW	MID-HIGH	BASE (M)	I
I	1/8	/8	CI	5000	I
I	-----			-----	
I	PRESSURE (MB)			I	VISIBILITY
I	QFE	QFF	I	I	(KM)
I	1024.4	1033.2	I	I	>20
I	-----			-----	
I	WEATHER			I	I

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----->>> 0800 LT      P R O F I L E S      <<<-----
      NET RADIATION      GLOBAL RADIATION
349.5 ( 11.2) W/M**2      528.0 ( 12.1) W/M**2

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HEIGHT (M)		TEMP.(DEG.CENTG)		MIX.RATIO (G/KG)		WIND SPEED (M/S)		WIND DIRECTION (DEG)	
I	17.00	I	5.75 (.11)	I	2.26 (.001)	I	4.2 (.8)	I	347.9 (363.8)
I	8.50	I	6.00 (.15)	I	2.20 (.001)	I	4.0 (.9)	I	
I	4.25	I	6.13 (.22)	I	2.14 (.001)	I	3.9 (.9)	I	
I	2.13	I	6.54 (.23)	I	2.32 (.002)	I	3.6 (.9)	I	
I	1.06	I	6.95 (.24)	I	2.28 (.001)	I	3.3 (.8)	I	
I	.00	I	16.46	I					
I	-.02	I	7.52	I					
I	-.05	I	8.80	I					
I	-.10	I	6.48	I					
I	-.23	I	7.39	I					
I	-.51	I	6.66	I					

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----->>> 0830 LT      P R O F I L E S      <<<-----
      NET RADIATION      GLOBAL RADIATION
403.9 ( 10.2) W/M**2      588.4 ( 11.4) W/M**2

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HEIGHT (M)		TEMP.(DEG.CENTG)		MIX_RATIO (G/KG)		WIND SPEED (M/S)		WIND DIRECTION (DEG)	
I	17.00	I	6.30 (.17)	I	2.17 (.002)	I	3.8 (1.0)	I	353.5 (348.0)
I	8.50	I	6.56 (.22)	I	2.15 (.002)	I	3.6 (.9)	I	
I	4.25	I	6.69 (.31)	I	2.07 (.001)	I	3.5 (1.0)	I	
I	2.13	I	7.11 (.32)	I	2.27 (.002)	I	3.2 (1.0)	I	
I	1.06	I	7.55 (.36)	I	2.21 (.002)	I	2.9 (.9)	I	
I	.00	I	19.50	I					
I	-.02	I	8.96	I					
I	-.05	I	10.19	I					
I	-.10	I	7.03	I					
I	-.23	I	7.31	I					
I	-.51	I	6.64	I					

CLOUDS								
I	N	LOW	MID-HIGH	BASE (M)		I	I	I
I	1/8	1/8 CU	CI	1400	5000	I	I	I
I						I		I
I	PRESSURE (MB)			I		I	VISIBILITY	
I	QFE QFF I			I		I	(KM)	
I	1024.5	1033.2	I			I	>20	

>>> 0900 LT P R O F I L E S <<<

NET RADIATION		GLOBAL RADIATION	
449.3 (7.9)	W/M**2	641.4 (10.3)	W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 6.70 (.19)	I 2.09 (.001)	I 3.1 (1.1)	I 351.9 (364.4)
I 8.50	I 6.94 (.24)	I 2.07 (.002)	I 3.0 (1.1)	I
I 4.25	I 7.10 (.31)	I 1.98 (.001)	I 2.9 (1.1)	I
I 2.13	I 7.50 (.35)	I 2.18 (.003)	I 2.6 (1.1)	I
I 1.06	I 7.95 (.39)	I 2.11 (.002)	I 2.4 (1.0)	I
I .00	I 21.46	I		
I -.02	I 10.49	I		
I -.05	I 11.61	I		
I -.10	I 7.69	I		
I -.23	I 7.25	I		
I -.51	I 6.63	I		

>>> 0930 LT P R O F I L E S <<<

NET RADIATION		GLOBAL RADIATION	
493.2 (6.0)	W/M**2	692.1 (8.4)	W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.21 (.23)	I 2.04 (.002)	I 4.9 (1.1)	I 325.7 (20.7)
I 8.50	I 7.51 (.26)	I 2.00 (.002)	I 4.7 (1.1)	I
I 4.25	I 7.81 (.38)	I 1.95 (.002)	I 4.6 (1.1)	I
I 2.13	I 8.28 (.41)	I 2.14 (.003)	I 4.2 (1.1)	I
I 1.06	I 8.89 (.48)	I 2.12 (.003)	I 3.8 (1.0)	I
I .00	I 21.86	I		
I -.02	I 11.75	I		
I -.05	I 12.88	I		
I -.10	I 8.43	I		
I -.23	I 7.21	I		
I -.51	I 6.63	I		

>>> 80-05-11 1000 LT S Y N O P <<<

CLOUDS								
I	N	LOW	MID-HIGH	BASE (M)		I	I	I
I	1/8	1/8 CU	CI	1600	5000	I	I	I
I						I		I
I	PRESSURE (MB)			I	GEOSTROPHIC WIND (M/S)		I	VISIBILITY
I	QFE QFF I			I	UG VG		I	(KM)
I	1024.4	1033.2	I	.3	-4.7	I	>20	

>>> 1000 LT P R O F I L E S <<<

NET RADIATION		GLOBAL RADIATION	
527.1 (6.9)	W/M**2	732.7 (7.9)	W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.67 (.32)	I 2.00 (.002)	I 4.9 (1.1)	I 317.6 (15.6)
I 8.50	I 7.90 (.31)	I 1.95 (.002)	I 4.5 (1.1)	I
I 4.25	I 8.17 (.37)	I 1.92 (.002)	I 4.4 (1.1)	I
I 2.13	I 8.62 (.38)	I 2.08 (.003)	I 4.0 (1.1)	I
I 1.06	I 9.21 (.40)	I 2.07 (.002)	I 3.7 (1.0)	I
I .00	I 22.38	I		
I -.02	I 12.87	I		
I -.05	I 13.89	I		
I -.10	I 9.15	I		
I -.23	I 7.20	I		
I -.51	I 6.62	I		

>>> 1030 LT P R O F I L E S <<<

NET RADIATION		GLOBAL RADIATION	
550.4 (7.8)	W/M**2	765.2 (7.0)	W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 7.86 (.19)	I 1.95 (.001)	I 5.7 (1.4)	I 295.9 (13.6)
I 8.50	I 8.18 (.25)	I 1.92 (.002)	I 5.4 (1.4)	I
I 4.25	I 8.50 (.26)	I 1.88 (.001)	I 5.4 (1.4)	I
I 2.13	I 9.04 (.31)	I 2.05 (.002)	I 4.9 (1.3)	I
I 1.06	I 9.79 (.33)	I 2.05 (.002)	I 4.5 (1.2)	I
I .00	I 24.14	I		
I -.02	I 13.95	I		
I -.05	I 14.90	I		
I -.10	I 9.86	I		
I -.23	I 7.23	I		
I -.51	I 6.63	I		

>>> 80-05-11 1100 LT S Y N O P <<<

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CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	1/8	1/8 CU	CI	1900 5000	I	I	I
I-----I							
I PRESSURE (MB) I				I VISIBILITY		I WEATHER I	
I QFE QFF I				I (KM)		I	
I 1024.5 1033.2 I				I >20		I	

>>> 1100 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
559.8 (29.4) W/M**2 773.3 (67.8) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00 I	8.23 (.19)	I 2.02 (.001) I	5.8 (1.4) I	301.2 (13.6) I
I 8.50 I	8.58 (.22)	I 1.98 (.002) I	5.6 (1.5) I	I
I 4.25 I	8.89 (.28)	I 1.95 (.001) I	5.4 (1.4) I	I
I 2.13 I	9.42 (.28)	I 2.11 (.002) I	4.9 (1.4) I	I
I 1.06 I	10.12 (.32)	I 2.10 (.002) I	4.5 (1.2) I	I
I .00 I	23.97	I		
I -.02 I	14.85	I		
I -.05 I	15.80	I		
I -.10 I	10.56	I		
I -.23 I	7.28	I		
I -.51 I	6.64	I		

>>> 1130 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
579.4 (3.8) W/M**2 802.7 (1.6) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00 I	8.84 (.29)	I 2.01 (.001) I	4.7 (1.2) I	297.1 (16.3) I
I 8.50 I	9.19 (.33)	I 1.98 (.002) I	4.3 (1.2) I	I
I 4.25 I	9.53 (.43)	I 1.95 (.002) I	4.3 (1.2) I	I
I 2.13 I	9.99 (.51)	I 2.12 (.002) I	4.0 (1.1) I	I
I 1.06 I	10.63 (.57)	I 2.08 (.003) I	3.7 (1.0) I	I
I .00 I	26.68	I		
I -.02 I	15.97	I		
I -.05 I	16.65	I		
I -.10 I	11.19	I		
I -.23 I	7.35	I		
I -.51 I	6.66	I		

>>> 80-05-11 1200 LT S Y N O P <<<

CLOUDS							
I	N	LOW	MID-HIGH	BASE (M)	I	I	I
I	3/8	2/8 CU	CI	1900 5000	I	I	I
I-----I							
I PRESSURE (MB) I				I VISIBILITY		I WEATHER I	
I QFE QFF I				I (KM)		I	
I 1024.4 1033.0 I				I >20		I	

>>> 1200 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
591.3 (8.3) W/M**2 813.6 (7.0) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00 I	9.21 (.29)	I 2.02 (.001) I	5.5 (1.2) I	302.8 (18.4) I
I 8.50 I	9.59 (.33)	I 1.98 (.002) I	5.3 (1.3) I	I
I 4.25 I	9.96 (.39)	I 1.96 (.002) I	5.1 (1.2) I	I
I 2.13 I	10.54 (.40)	I 2.14 (.002) I	4.6 (1.2) I	I
I 1.06 I	11.29 (.36)	I 2.13 (.002) I	4.2 (1.1) I	I
I .00 I	26.94	I		
I -.02 I	16.97	I		
I -.05 I	17.52	I		
I -.10 I	11.83	I		
I -.23 I	7.42	I		
I -.51 I	6.64	I		

>>> 1230 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
584.8 (18.1) W/M**2 806.2 (44.7) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00 I	9.65 (.19)	I 1.97 (.001) I	4.4 (1.6) I	315.5 (20.4) I
I 8.50 I	9.93 (.23)	I 1.91 (.002) I	4.1 (1.6) I	I
I 4.25 I	10.16 (.26)	I 1.88 (.001) I	4.0 (1.6) I	I
I 2.13 I	10.61 (.31)	I 2.04 (.002) I	3.6 (1.6) I	I
I 1.06 I	11.26 (.36)	I 2.03 (.002) I	3.3 (1.5) I	I
I .00 I	29.38	I		
I -.02 I	18.13	I		
I -.05 I	18.29	I		
I -.10 I	12.45	I		
I -.23 I	7.52	I		
I -.51 I	6.64	I		

CLOUDS				BASE (M)		PRESIPITATION	
I	N	LOW	MID-HIGH	I	SINCE 01LT	I	I
I	3/8	1/8 CU	CI	1950	5000	I	(MM)
I PRESSURE (MB) I GEOSTROPHIC WIND (M/S) I VISIBILITY I WEATHER I							
I	QFE	QFF	I	UG	VG	UG-850-VG	I (KM)
I	1024.2	1032.8	I	-1	-2.6	1.5 -9.2	I >20

>>> 1300 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
559.2 (4.8) W/M**2 781.9 (3.5) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 9.82 (.21)	I 1.98 (.001)	I 4.4 (1.9)	I 307.7 (31.7)
I 8.50	I 10.12 (.21)	I 1.94 (.002)	I 4.1 (1.8)	I
I 4.25	I 10.42 (.29)	I 1.91 (.002)	I 4.0 (1.8)	I
I 2.13	I 10.94 (.35)	I 2.07 (.002)	I 3.6 (1.7)	I
I 1.06	I 11.63 (.51)	I 2.04 (.002)	I 3.3 (1.5)	I
I .00	I 27.70	I		
I -.02	I 18.56	I		
I -.05	I 18.84	I		
I -.10	I 13.06	I		
I -.23	I 7.63	I		
I -.51	I 6.64	I		

>>> 1330 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
531.5 (36.1) W/M**2 744.6 (51.8) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 10.41 (.37)	I 1.98 (.002)	I 4.0 (1.4)	I 313.9 (26.8)
I 8.50	I 10.73 (.38)	I 1.95 (.002)	I 3.6 (1.4)	I
I 4.25	I 10.97 (.42)	I 1.91 (.002)	I 3.6 (1.4)	I
I 2.13	I 11.36 (.43)	I 2.08 (.003)	I 3.3 (1.3)	I
I 1.06	I 11.98 (.44)	I 2.05 (.003)	I 3.1 (1.2)	I
I .00	I 29.13	I		
I -.02	I 19.61	I		
I -.05	I 19.48	I		
I -.10	I 13.63	I		
I -.23	I 7.77	I		
I -.51	I 6.66	I		

>>> 80-05-11 1400 LT S Y N O P <<<

CLOUDS				BASE (M)			
I	N	LOW	MID-HIGH	I		I	I
I	3/8	1/8 CU	CI	2250	5000	I	
I PRESSURE (MB) I VISIBILITY I WEATHER I							
I	QFE	QFF	I			I (KM)	I
I	1023.8	1032.4	I			I >20	I

>>> 1400 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
376.0 (87.2) W/M**2 569.4 (140.9) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 10.61 (.23)	I 1.86 (.002)	I 4.6 (1.2)	I 354.9 (368.3)
I 8.50	I 10.87 (.28)	I 1.84 (.002)	I 4.4 (1.2)	I
I 4.25	I 11.16 (.38)	I 1.81 (.001)	I 4.3 (1.1)	I
I 2.13	I 11.61 (.41)	I 2.01 (.003)	I 3.9 (1.1)	I
I 1.06	I 12.18 (.46)	I 1.94 (.002)	I 3.5 (1.0)	I
I .00	I 26.23	I		
I -.02	I 19.45	I		
I -.05	I 19.54	I		
I -.10	I 14.11	I		
I -.23	I 7.91	I		
I -.51	I 6.66	I		

>>> 1430 LT P R O F I L E S <<<

NET RADIATION GLOBAL RADIATION
442.6 (25.6) W/M**2 654.3 (33.3) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 10.88 (.26)	I 1.89 (.004)	I 4.6 (1.4)	I 340.7 (372.4)
I 8.50	I 11.11 (.27)	I 1.92 (.004)	I 4.4 (1.3)	I
I 4.25	I 11.41 (.36)	I 1.86 (.004)	I 4.3 (1.3)	I
I 2.13	I 11.90 (.43)	I 2.08 (.004)	I 3.9 (1.3)	I
I 1.06	I 12.47 (.50)	I 2.00 (.004)	I 3.6 (1.2)	I
I .00	I 26.52	I		
I -.02	I 19.36	I		
I -.05	I 19.12	I		
I -.10	I 14.51	I		
I -.23	I 8.11	I		
I -.51	I 6.71	I		

CLOUDS				BASE (M)		VISIBILITY		WEATHER	
I	N	LOW	MID-HIGH	I	I	I	I	I	I
I	3/8	1/8 CU	CI	2250	5000	I	I	I	I
PRESSURE (MB)				QFE		QFF		I	
I	1023.6	1032.2	I	I	I	I	I	I	I

1500 LT P R O F I L E S <<<
 NET RADIATION 448.9 (23.1) W/M**2
 GLOBAL RADIATION 666.2 (24.5) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 11.29 (.43)	I 1.86 (.003)	I 3.0 (1.1)	I 6.0 (46.4)
I 8.50	I 11.54 (.44)	I 1.85 (.003)	I 2.8 (1.1)	I
I 4.25	I 11.69 (.46)	I 1.80 (.003)	I 2.8 (1.0)	I
I 2.13	I 12.03 (.49)	I 1.95 (.003)	I 2.5 (1.0)	I
I 1.06	I 12.49 (.52)	I 1.90 (.004)	I 2.3 (1.0)	I
I .00	I 24.58	I		
I -.02	I 18.71	I		
I -.05	I 18.84	I		
I -.10	I 14.72	I		
I -.23	I 8.28	I		
I -.51	I 6.72	I		

1530 LT P R O F I L E S <<<
 NET RADIATION 374.9 (15.4) W/M**2
 GLOBAL RADIATION 581.0 (15.7) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 11.22 (.22)	I 1.95 (.004)	I 3.8 (1.0)	I 306.4 (29.5)
I 8.50	I 11.50 (.24)	I 1.94 (.004)	I 3.6 (1.0)	I
I 4.25	I 11.74 (.25)	I 1.88 (.003)	I 3.6 (1.0)	I
I 2.13	I 12.17 (.23)	I 2.04 (.004)	I 3.3 (.9)	I
I 1.06	I 12.82 (.27)	I 2.02 (.004)	I 3.1 (.9)	I
I .00	I 24.99	I		
I -.02	I 19.13	I		
I -.05	I 18.50	I		
I -.10	I 14.85	I		
I -.23	I 8.44	I		
I -.51	I 6.72	I		

>>> 80-05-11 1600 LT S Y N O P <<<

CLOUDS				BASE (M)		VISIBILITY		WEATHER	
I	N	LOW	MID-HIGH	I	I	I	I	I	I
I	3/8	1/8 CU	CI	2250	5000	I	I	I	I
PRESSURE (MB)				QFE		QFF		I	
I	1023.4	1032.1	I	.6	.1	I	I	I	I

1600 LT P R O F I L E S <<<
 NET RADIATION 313.6 (13.4) W/M**2
 GLOBAL RADIATION 507.5 (14.9) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 11.07 (.20)	I 2.21 (.002)	I 4.8 (1.1)	I 295.7 (14.5)
I 8.50	I 11.36 (.26)	I 2.18 (.002)	I 4.5 (1.1)	I
I 4.25	I 11.65 (.30)	I 2.13 (.002)	I 4.4 (1.1)	I
I 2.13	I 12.02 (.28)	I 2.29 (.002)	I 4.0 (1.1)	I
I 1.06	I 12.68 (.27)	I 2.28 (.002)	I 3.7 (1.0)	I
I .00	I 23.26	I		
I -.02	I 18.75	I		
I -.05	I 18.41	I		
I -.10	I 14.93	I		
I -.23	I 8.62	I		
I -.51	I 6.73	I		

1630 LT P R O F I L E S <<<
 NET RADIATION 257.2 (24.1) W/M**2
 GLOBAL RADIATION 439.9 (28.2) W/M**2

HEIGHT (M)	TEMP.(DEG.CENTG)	MIX.RATIO (G/KG)	WIND SPEED (M/S)	WIND DIRECTION (DEG)
I 17.00	I 11.07 (.30)	I 2.29 (.002)	I 5.4 (1.3)	I 287.3 (14.7)
I 8.50	I 11.35 (.26)	I 2.25 (.002)	I 5.1 (1.3)	I
I 4.25	I 11.59 (.29)	I 2.20 (.002)	I 5.0 (1.3)	I
I 2.13	I 11.98 (.31)	I 2.34 (.002)	I 4.6 (1.2)	I
I 1.06	I 12.62 (.42)	I 2.31 (.002)	I 4.2 (1.1)	I
I .00	I 21.47	I		
I -.02	I 18.14	I		
I -.05	I 17.86	I		
I -.10	I 14.95	I		
I -.23	I 8.78	I		
I -.51	I 6.73	I		

APPENDIX B

Rawinsonde data

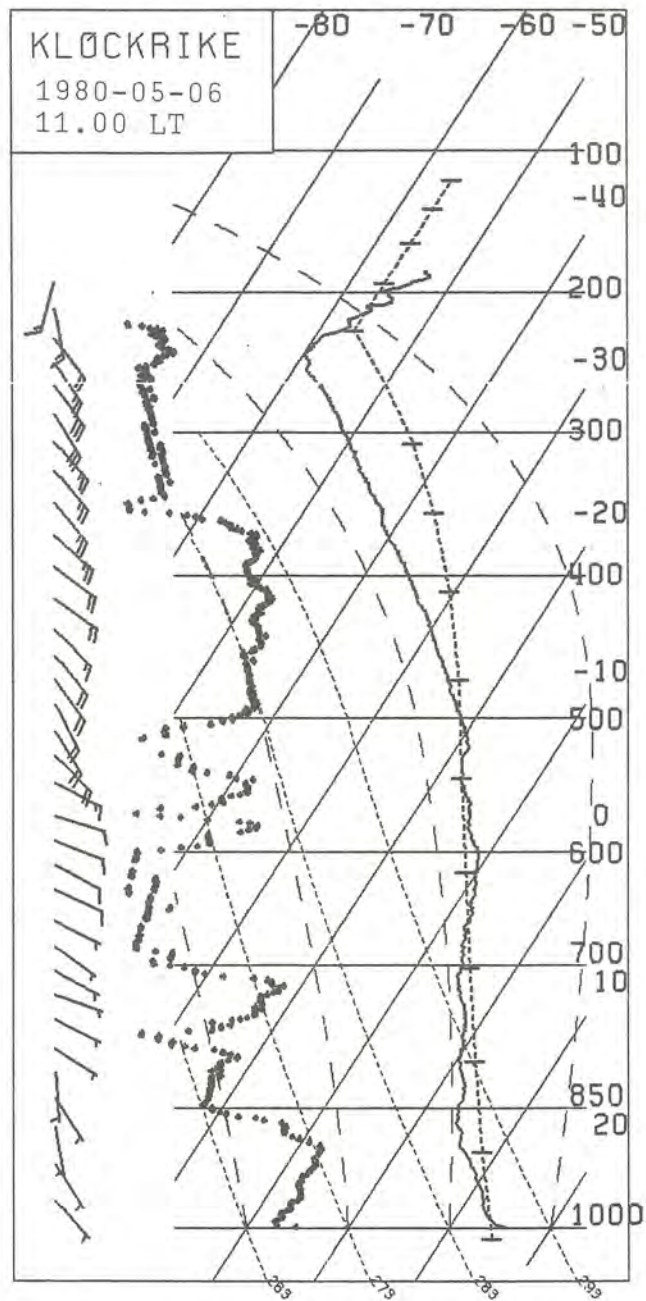
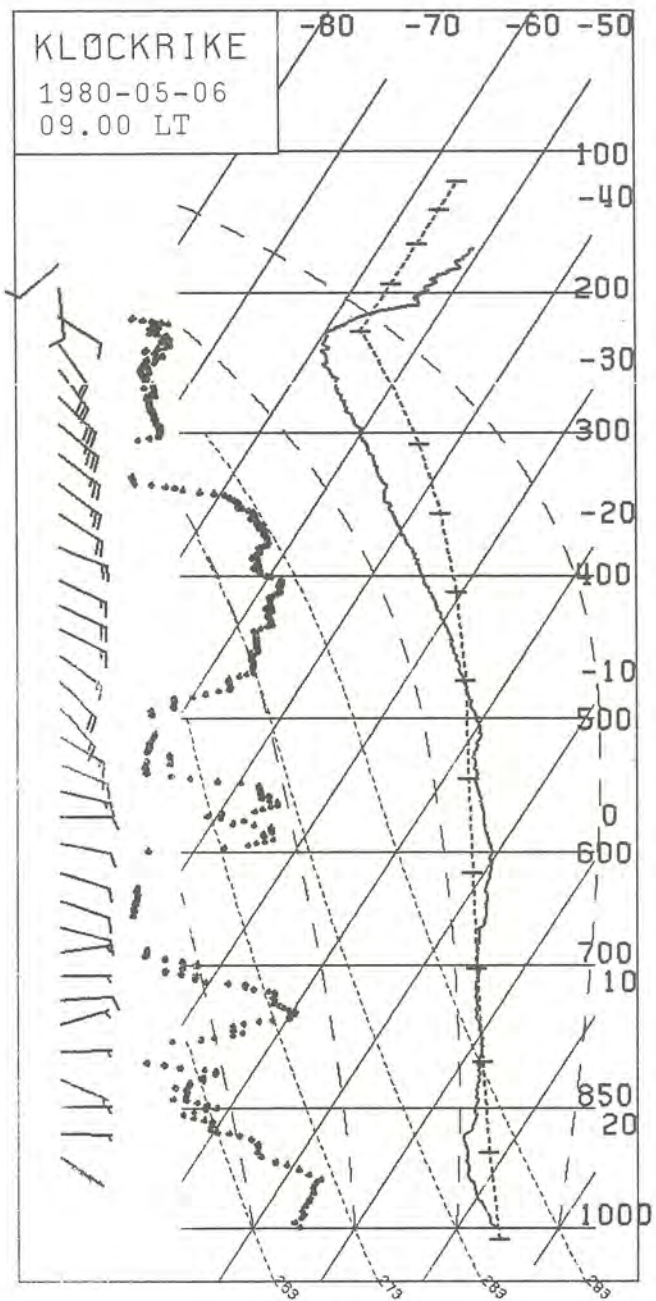
The diagrams, divided in two parts, contain data from all rawinsonde launches during 1980-05-06 0900 LT to 1980-05-11 1400 LT. There were in principle one launch each third hour. For temperature, pressure and humidity, one value is given for every 10 sec, equivalent with a resolution of 25-50 metres. Due to a tape error, the soundings 1980-05-10 1400 and 2300 LT are manually evaluated. (This gives a much lower resolution in the vertical).

Tropospheric plots

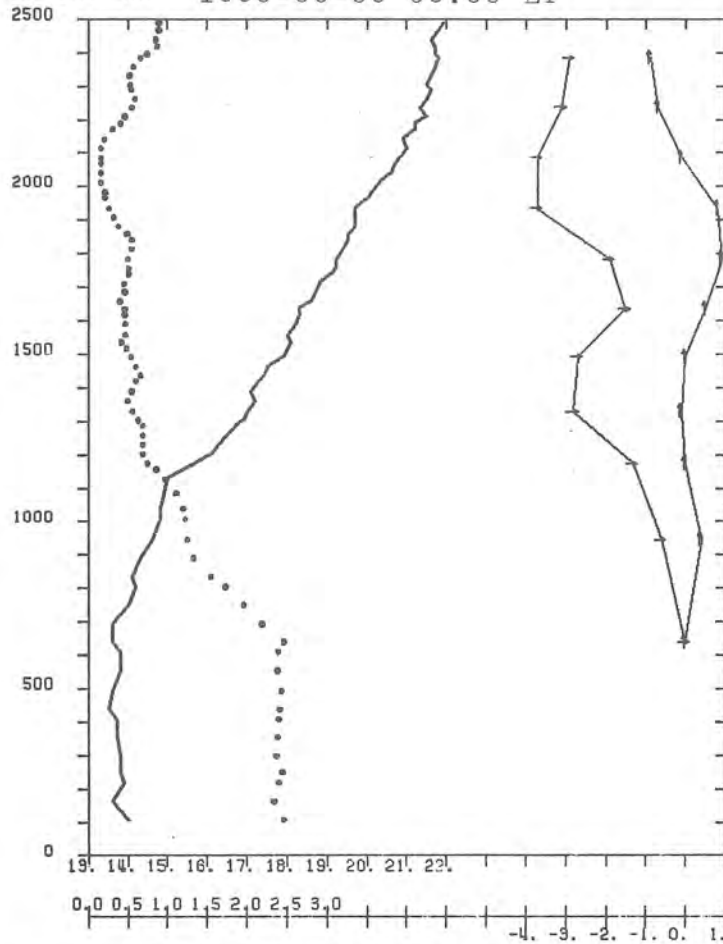
The first part contains data plotted in thermodynamic diagrams throughout the whole troposphere. Usual wind symbols are used, showing the speed in knots. In the diagrams temperature and dewpoint temperature (deg centigrade) are plotted, together with the dry and pseudo-adiabatic lapse rates and the ICAO standard.

ABL linear plots

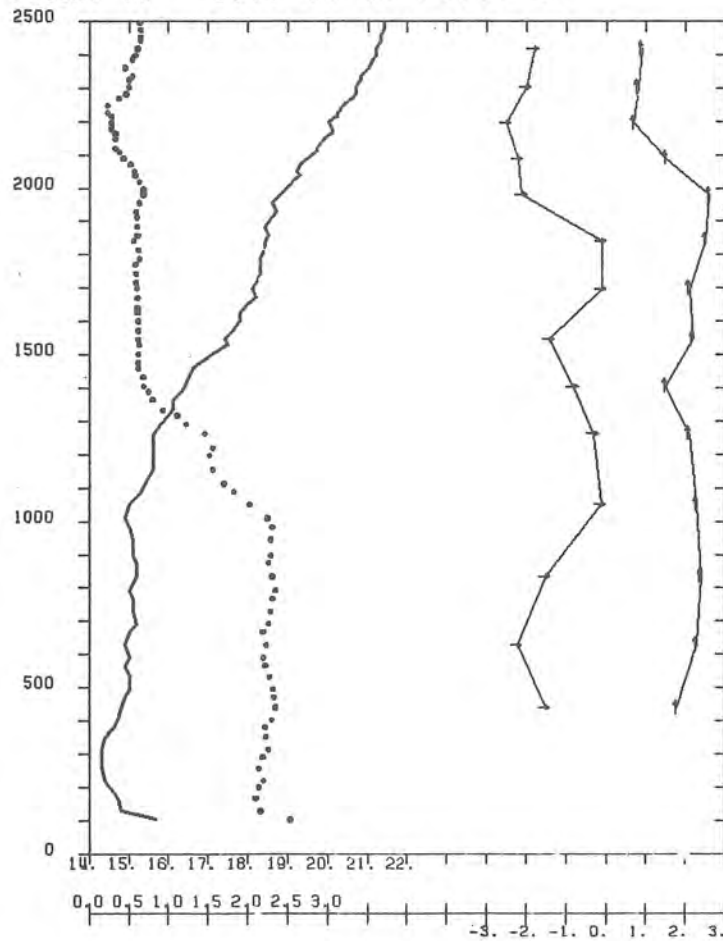
In the second part, potential temperature and mixing ratio q (g/kg) are plotted together with the $u(\rightarrow)$ and $v(\uparrow)$ -components up to 2.5 km height. For convenience, some of the diagrams show negative v -component, indicated by $(\downarrow)$. The data-points for the wind-components are joint by straight lines.

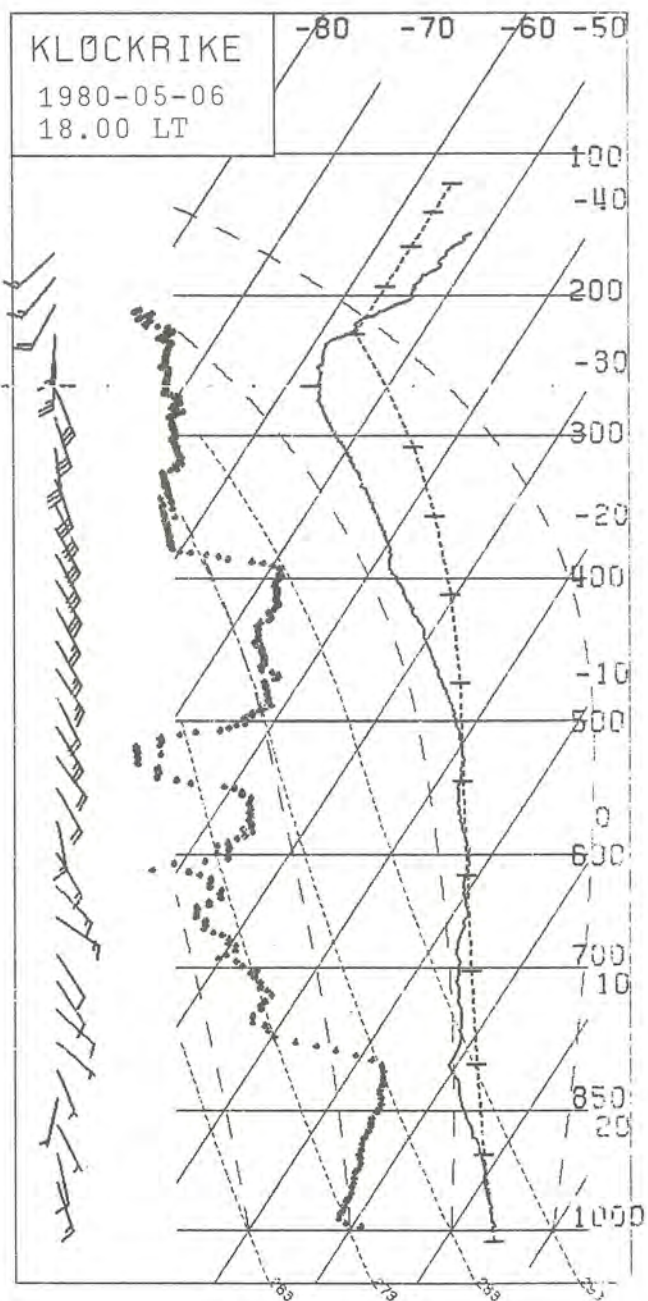
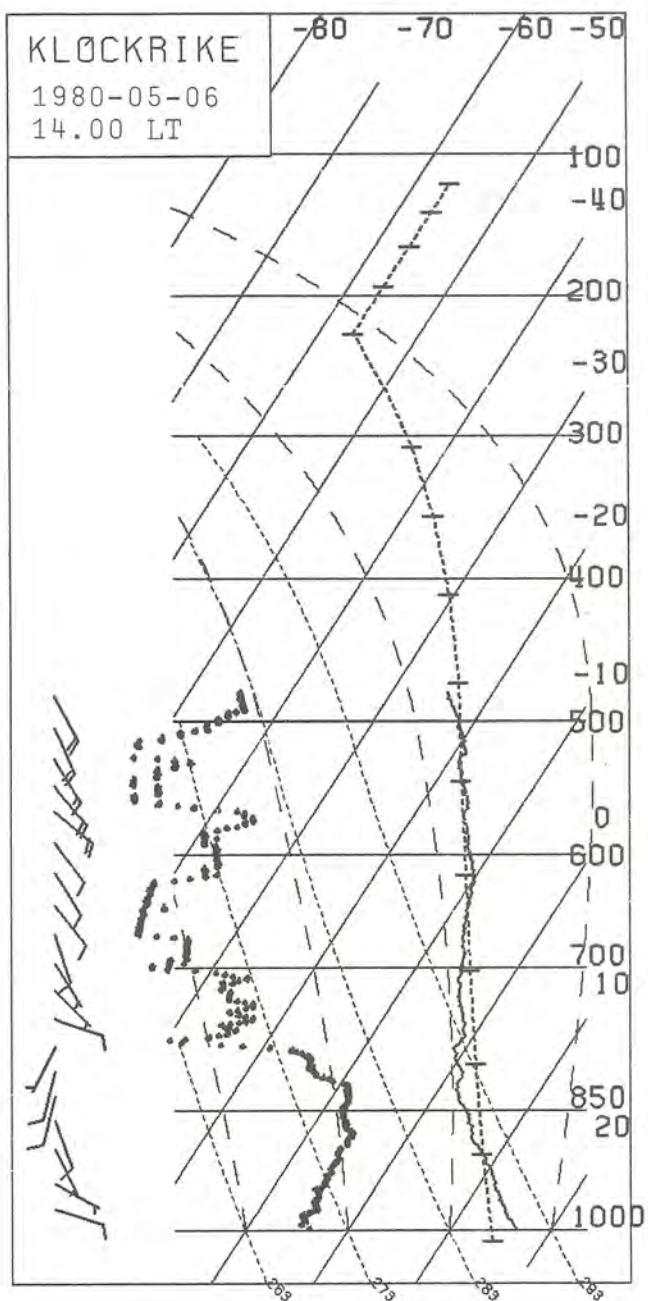


HEIGHT (M) 1980-05-06 09.00 LT

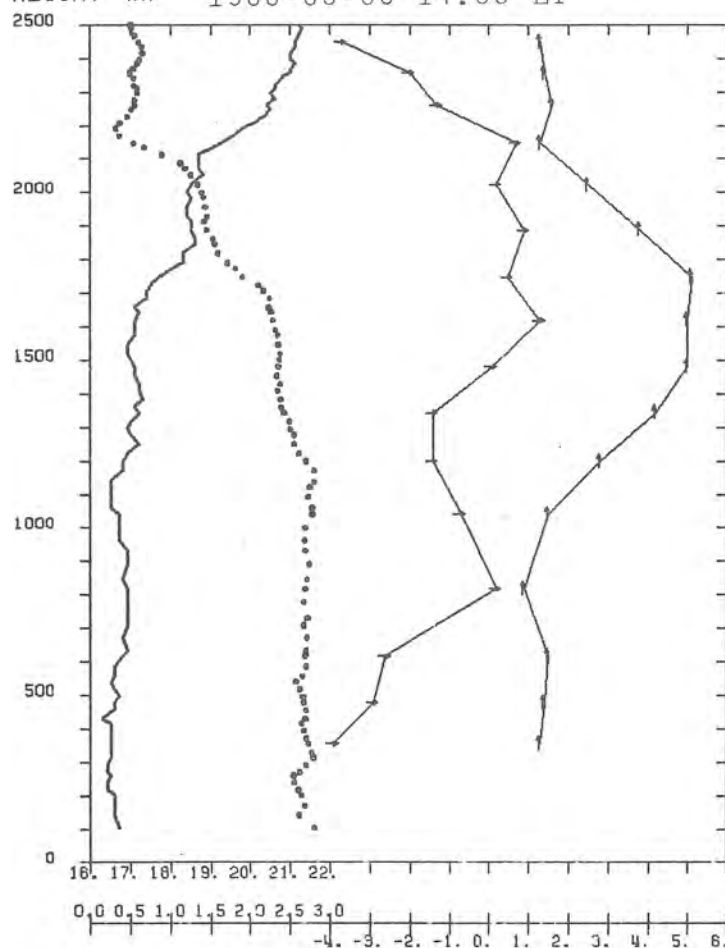


HEIGHT (M) 1980-05-06 11.00 LT



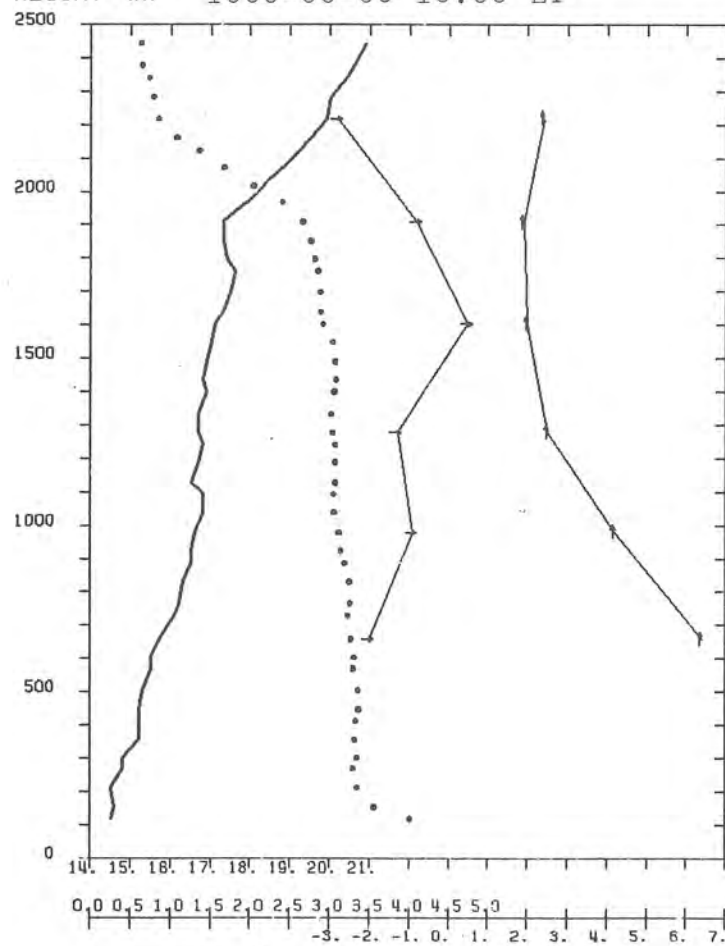


HEIGHT (M) 1980-05-06 14.00 LT

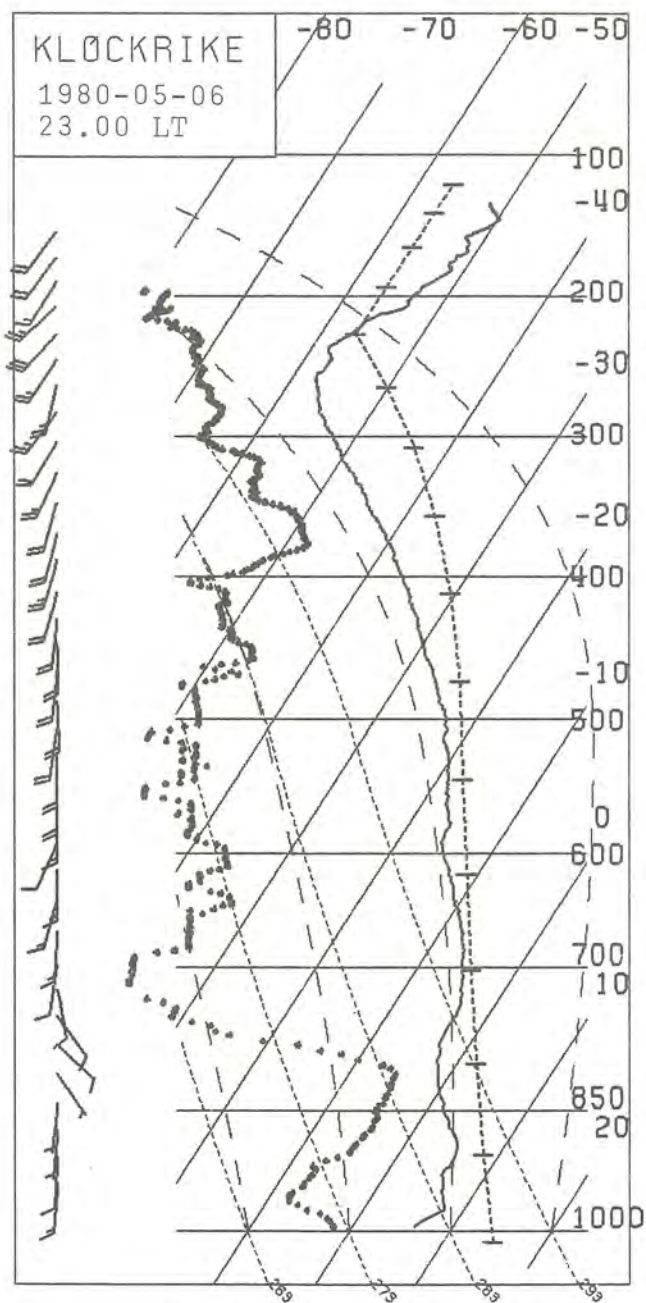
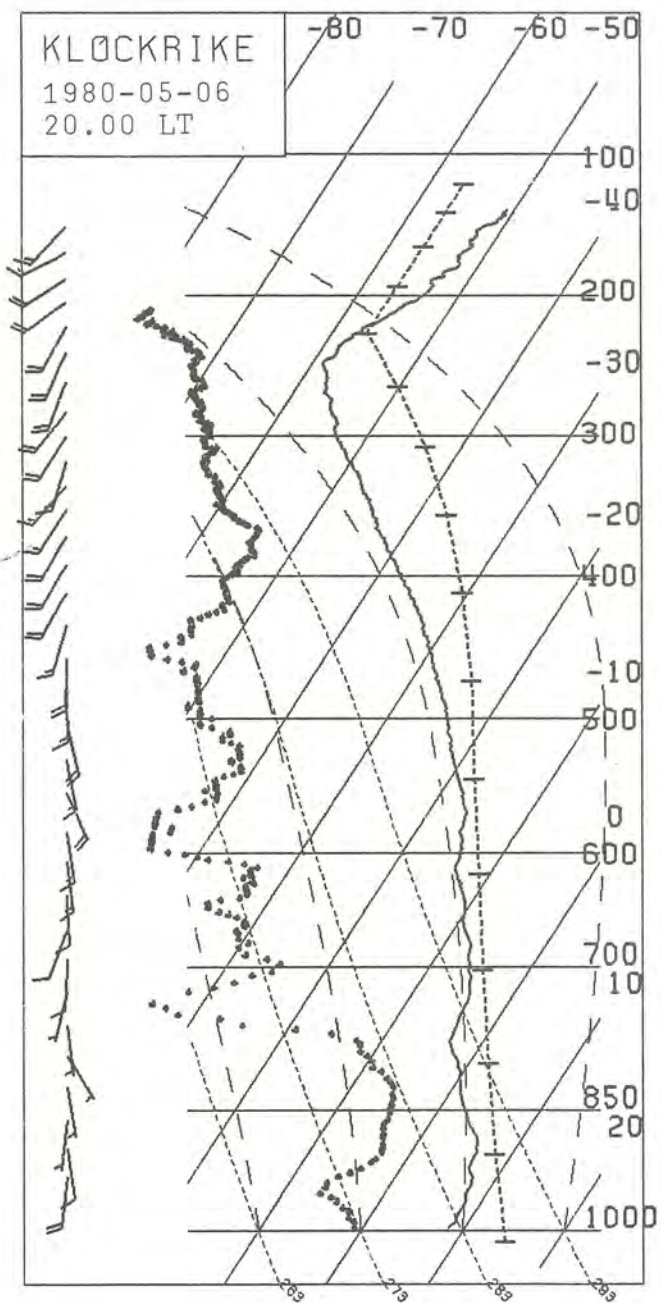


(DEG. C)
(G/KG)
(M/S)

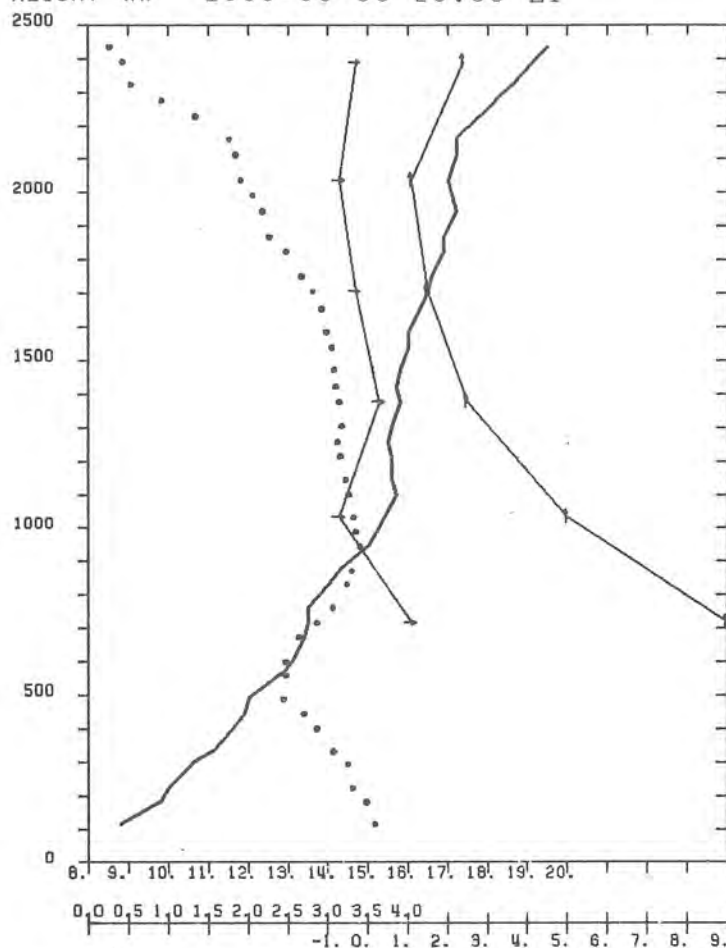
HEIGHT (M) 1980-05-06 18.00 LT



(DEG. C)
(G/KG)
(M/S)

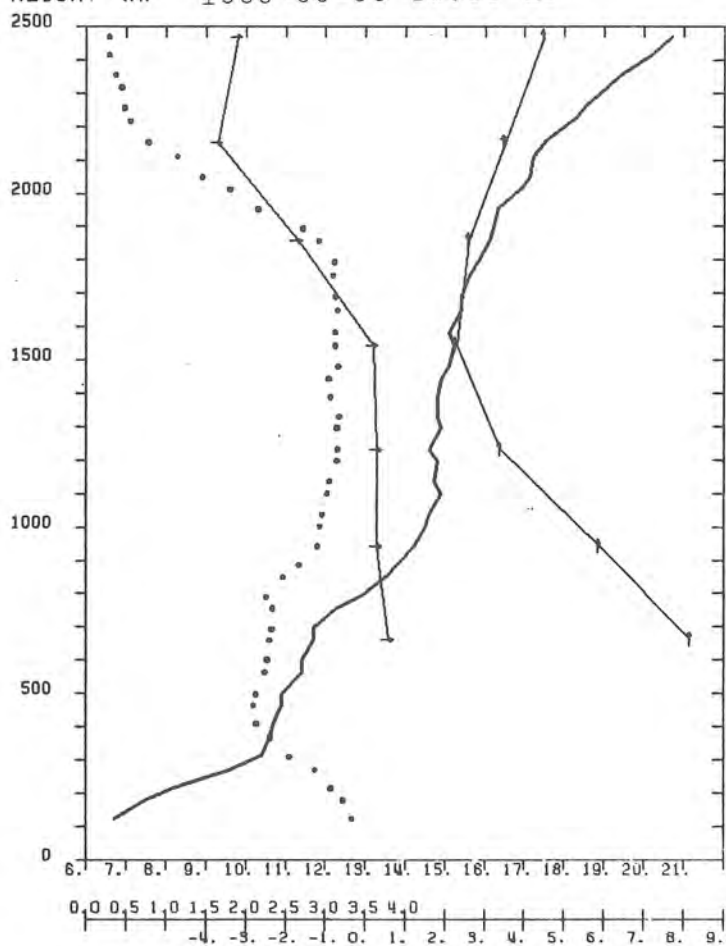


HEIGHT (M) 1980-05-06 20.00 LT

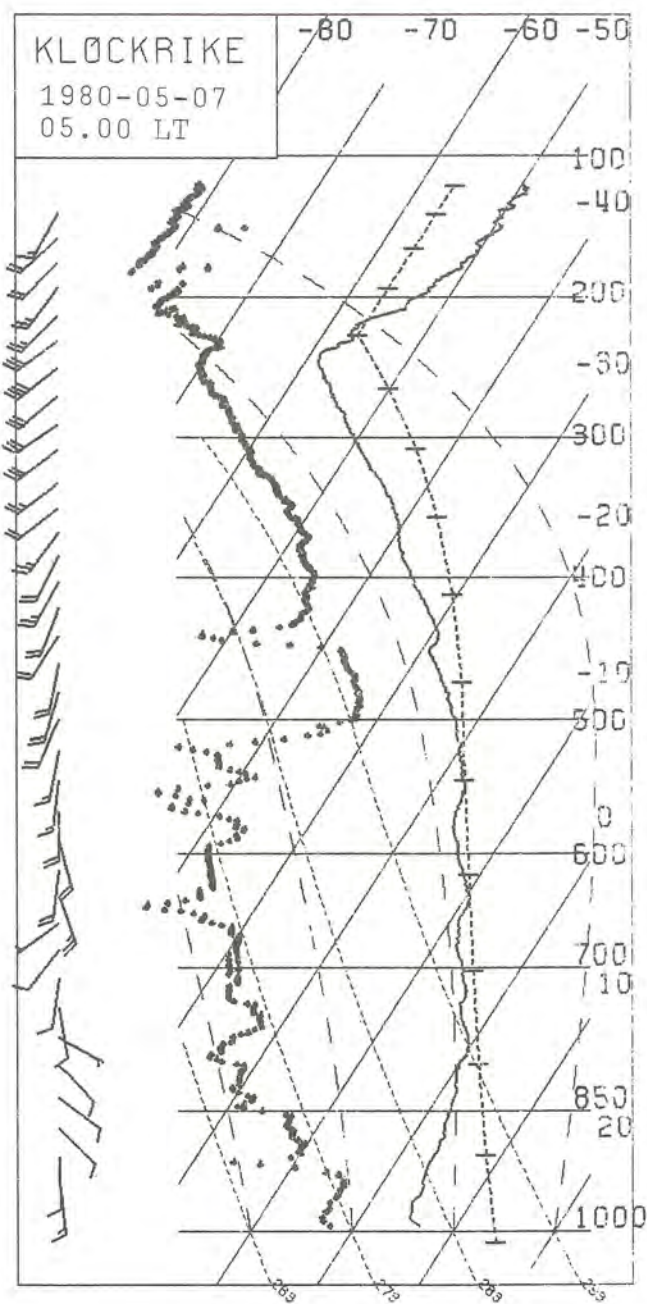
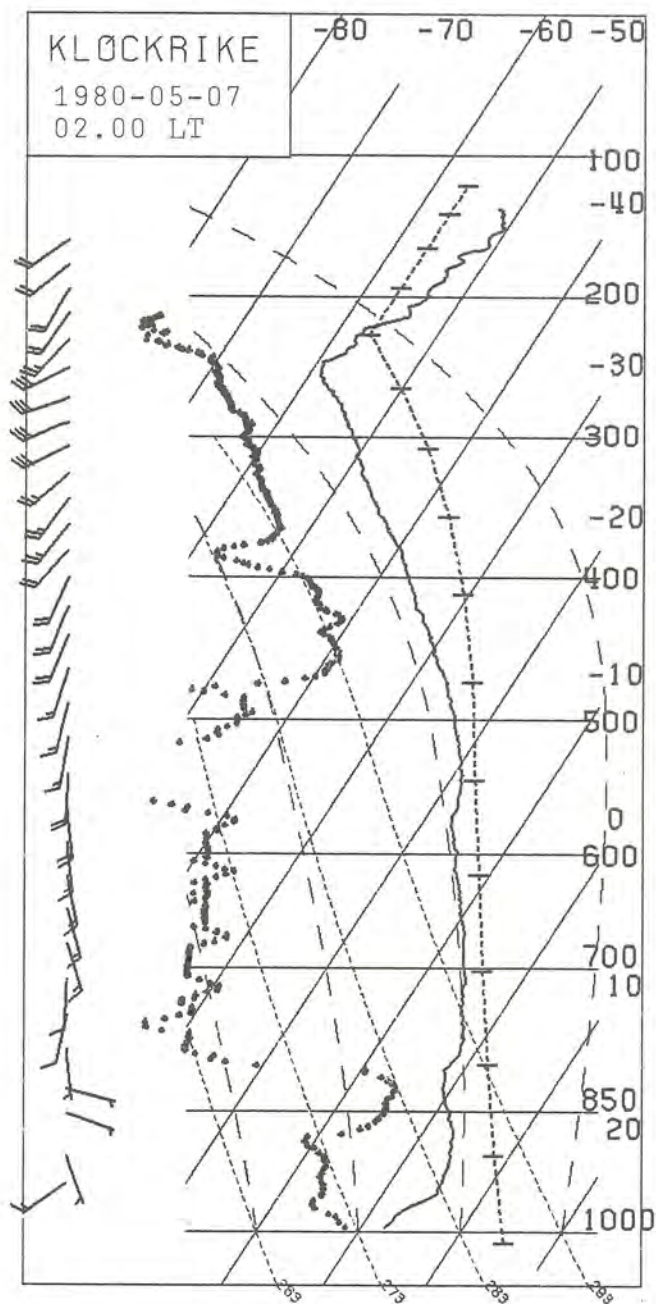


(DEG.C)
(G/KG)
(M/S)

HEIGHT (M) 1980-05-06 23.00 LT

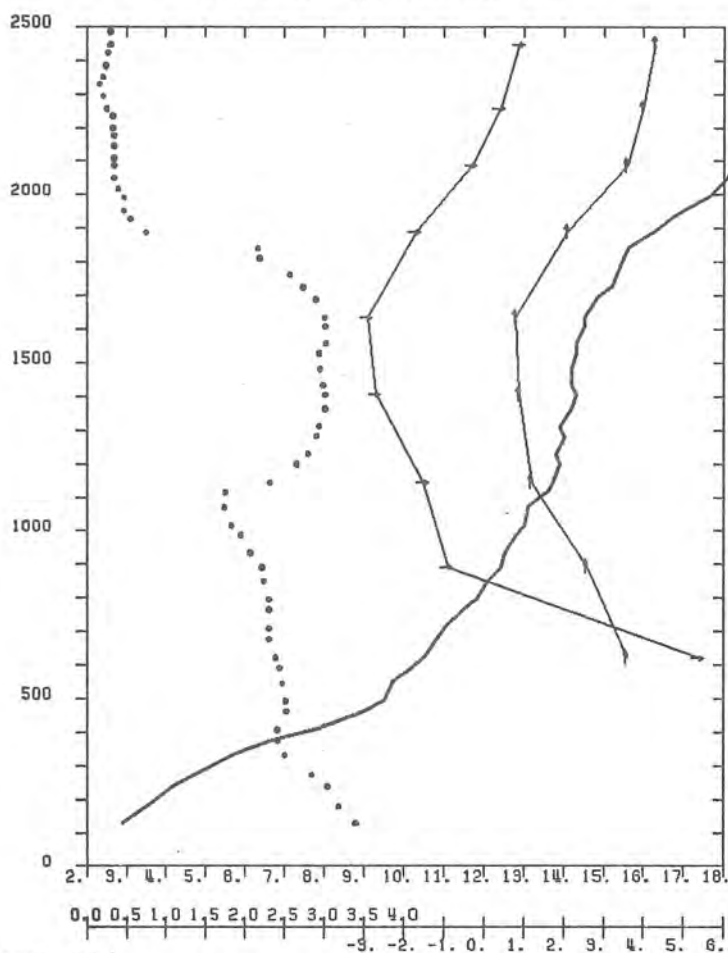


(DEG.C)
(G/KG)
(M/S)



HEIGHT (M)

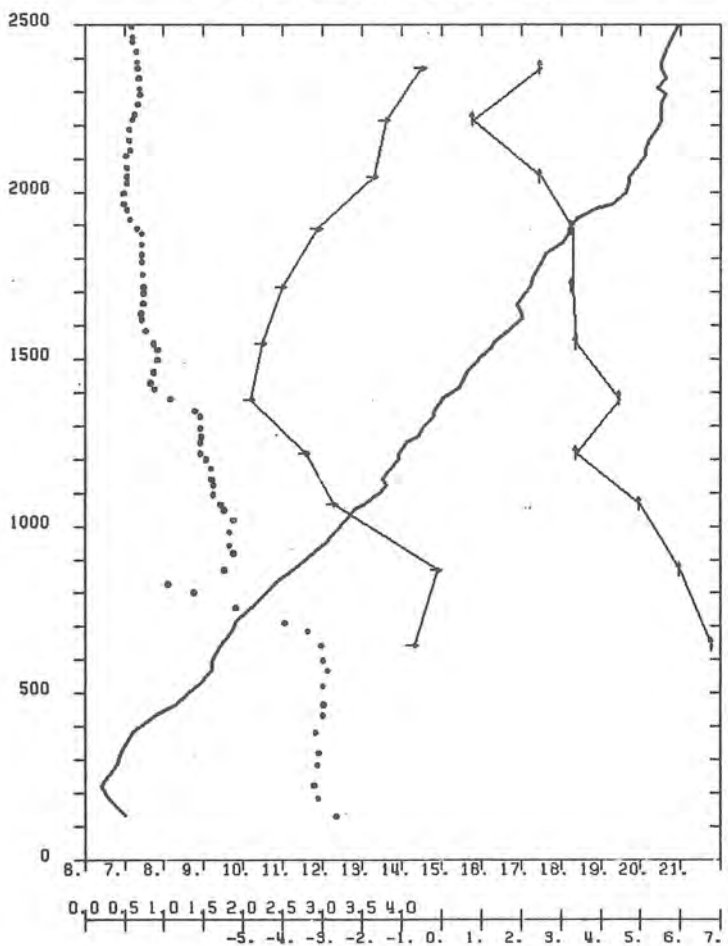
1980-05-07 02.00 LT



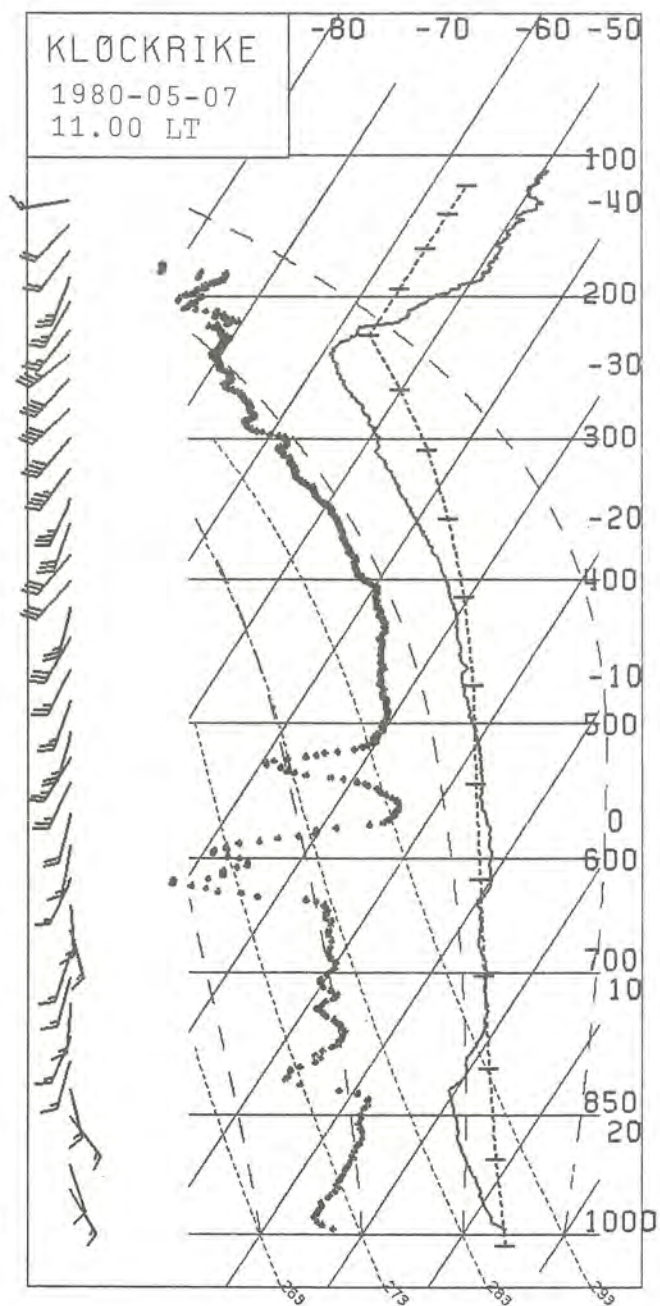
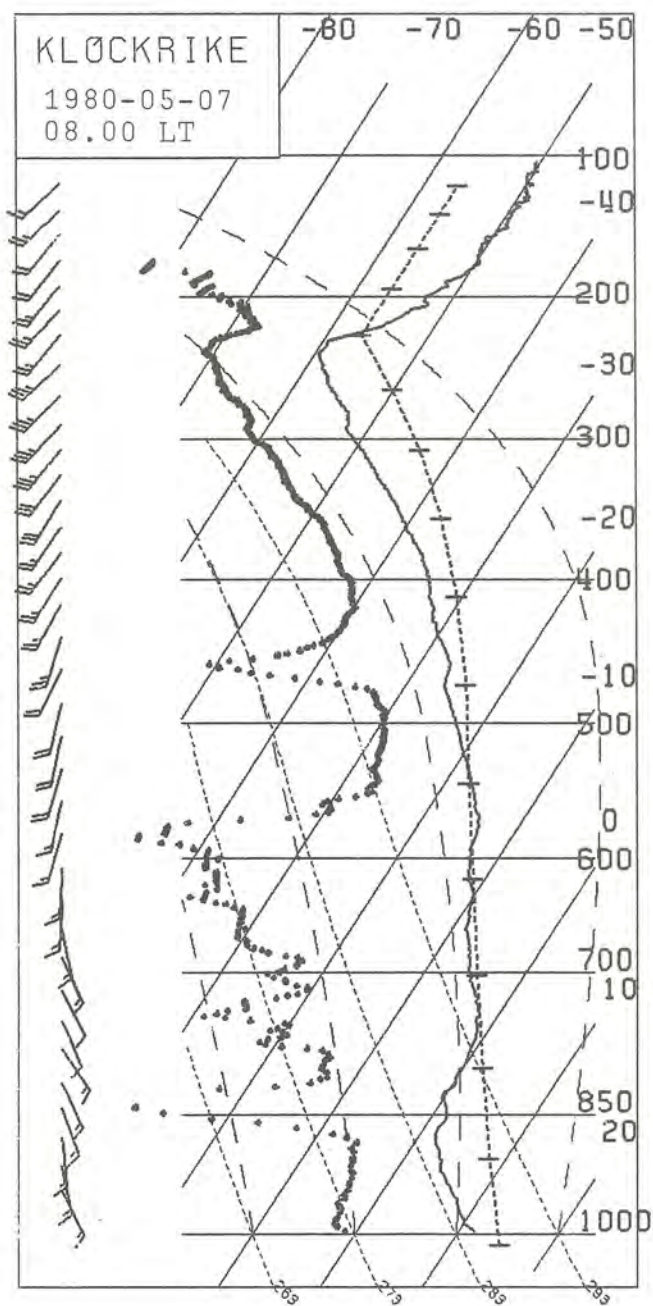
(DEG.C)
(G/KG)
(M/S)

HEIGHT (M)

1980-05-07 05.00 LT

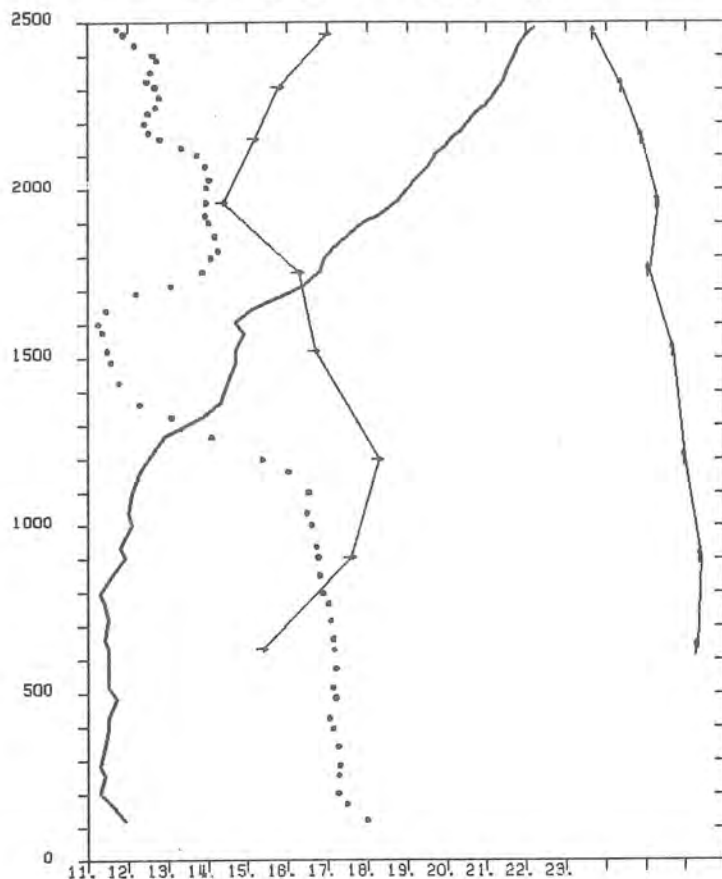


(DEG.C)
(G/KG)
(M/S)



HEIGHT (M)

1980-05-07 08.00 LT



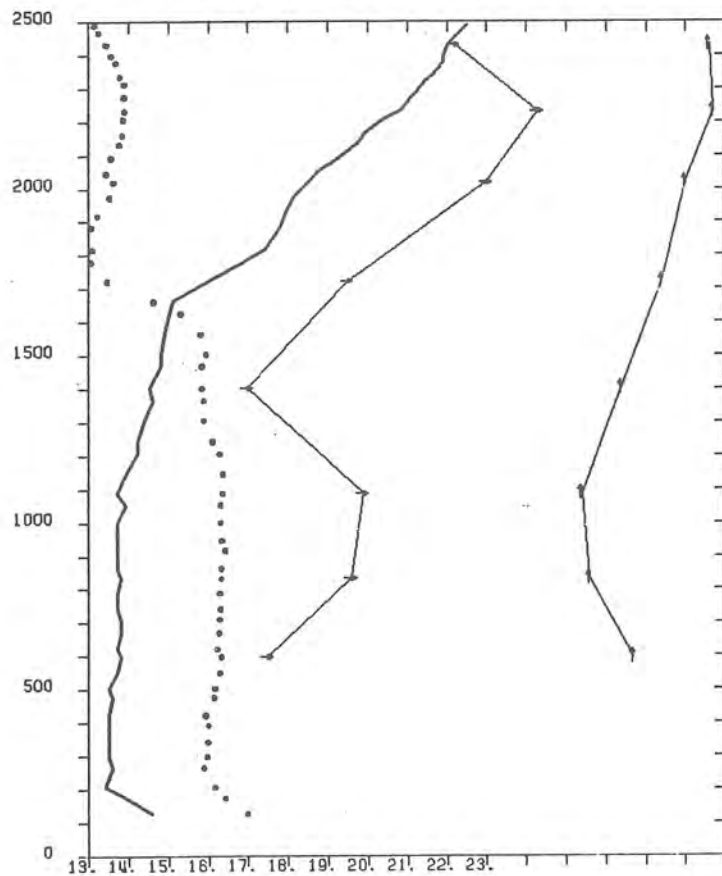
(DEG.C)

(G/KG)

(M/S)

HEIGHT (M)

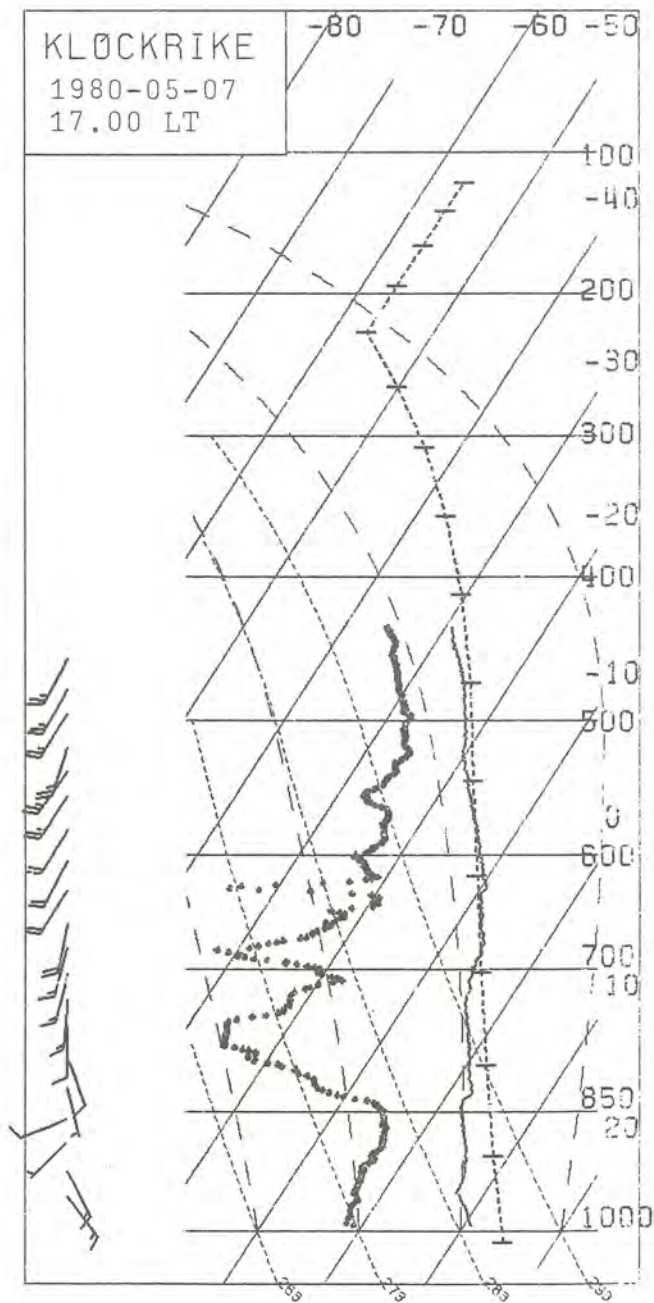
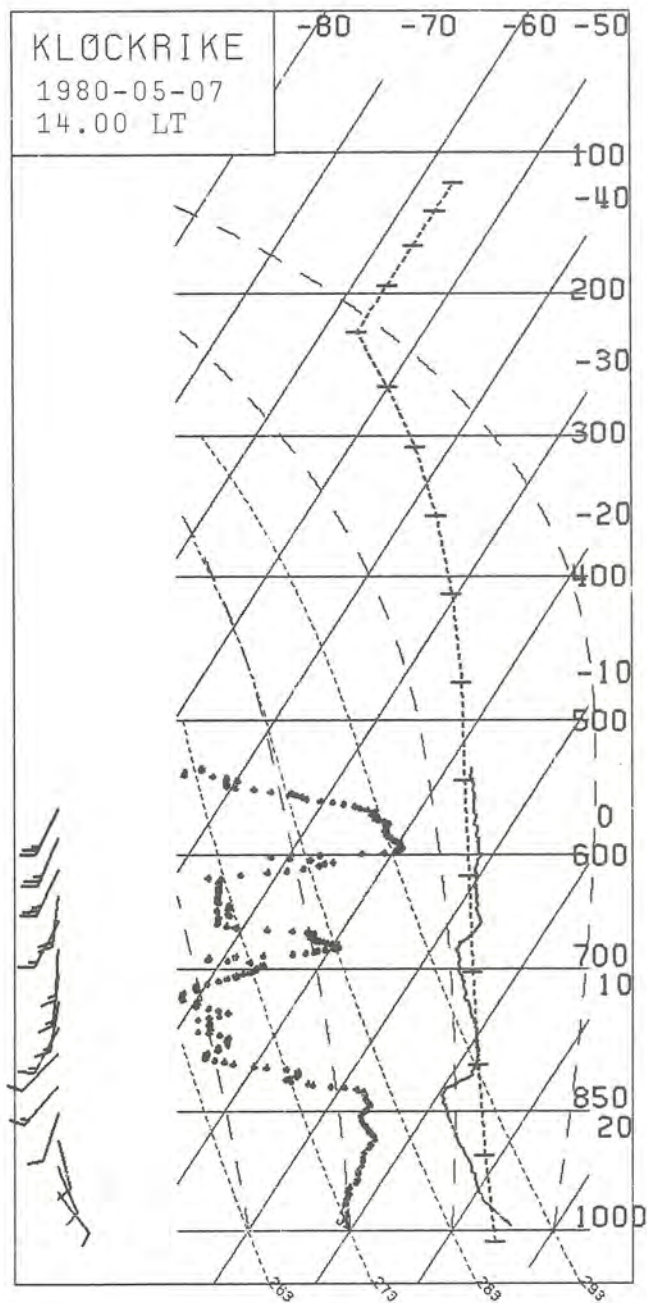
1980-05-07 11.00 LT



(DEG.C)

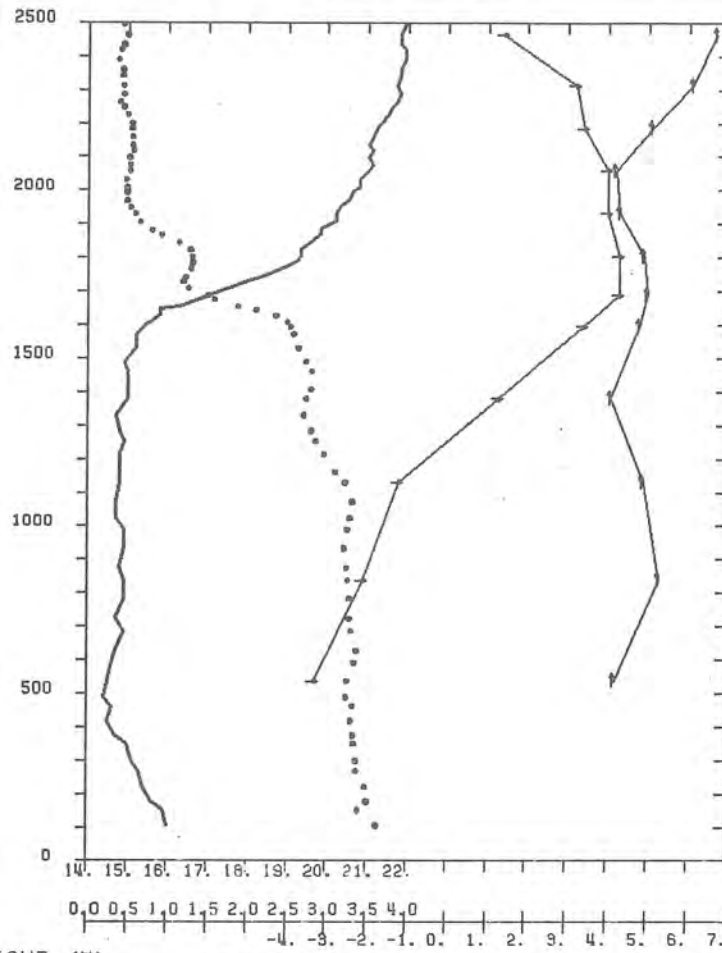
(G/KG)

(M/S)



HEIGHT (M)

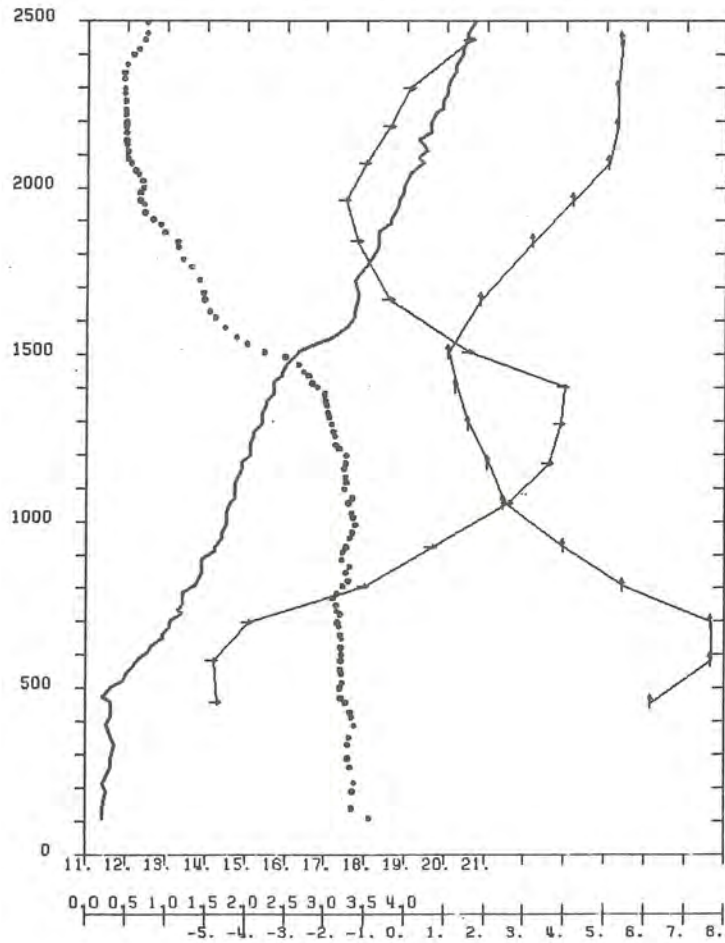
1980-05-07 14.00 LT



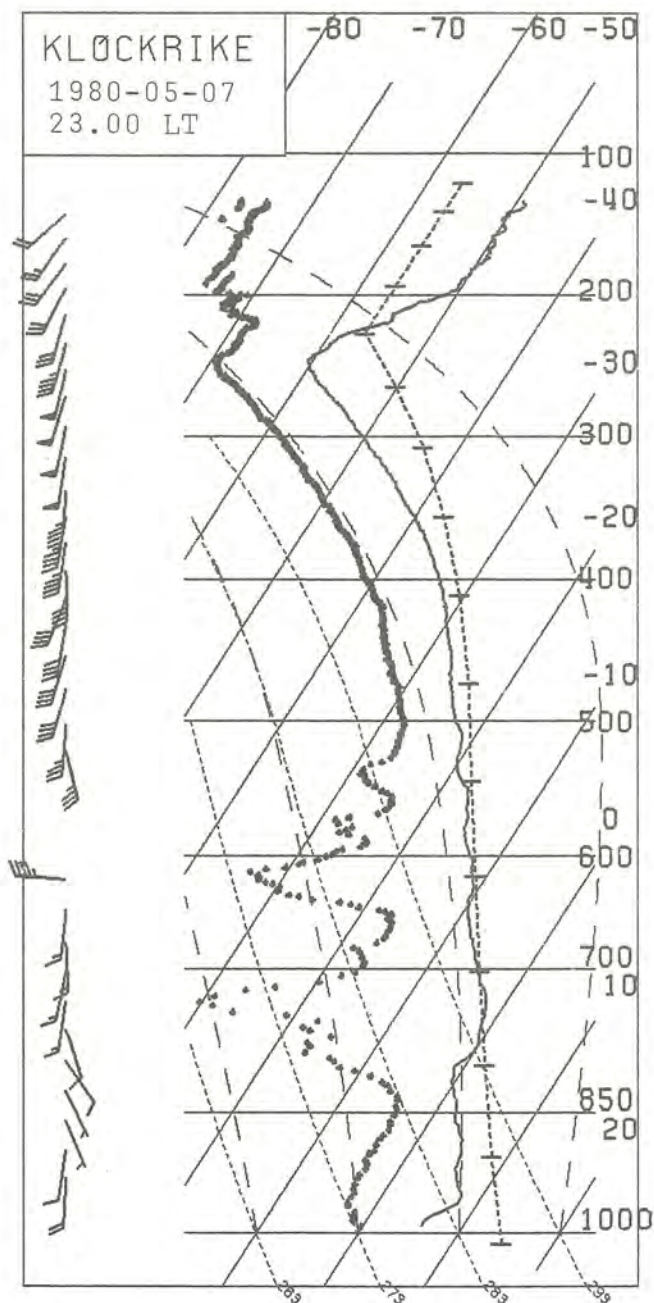
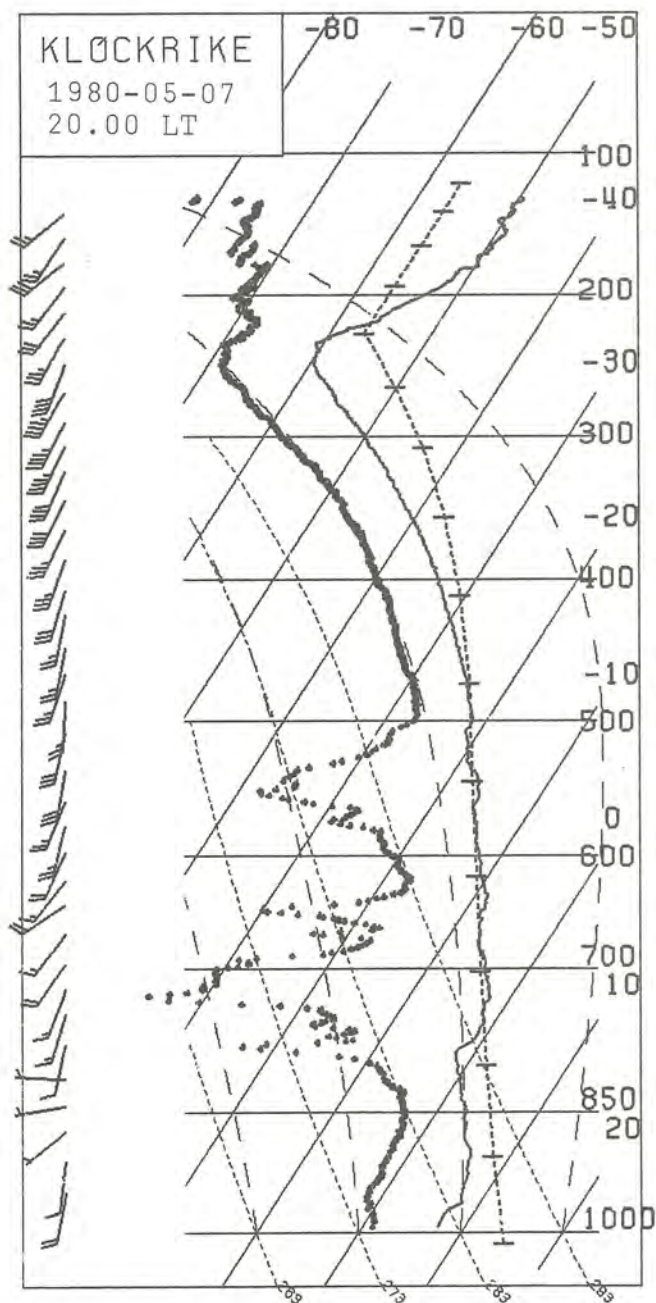
(DEG.C)
(G/KG)
(M/S)

HEIGHT (M)

1980-05-07 17.00 LT

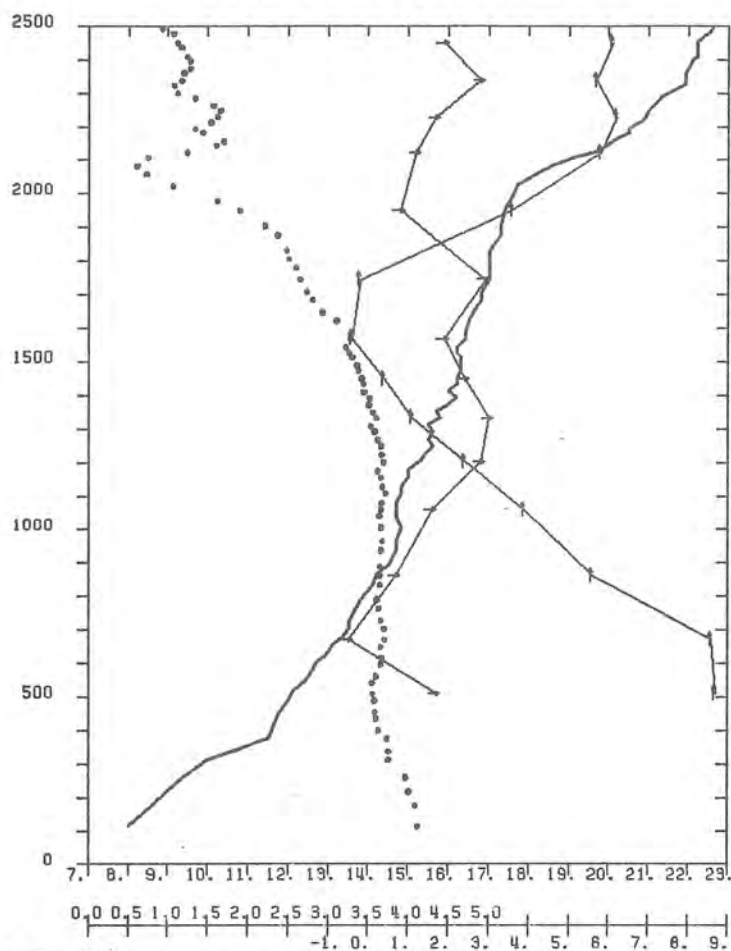


(DEG.C)
(G/KG)
(M/S)



HEIGHT (M)

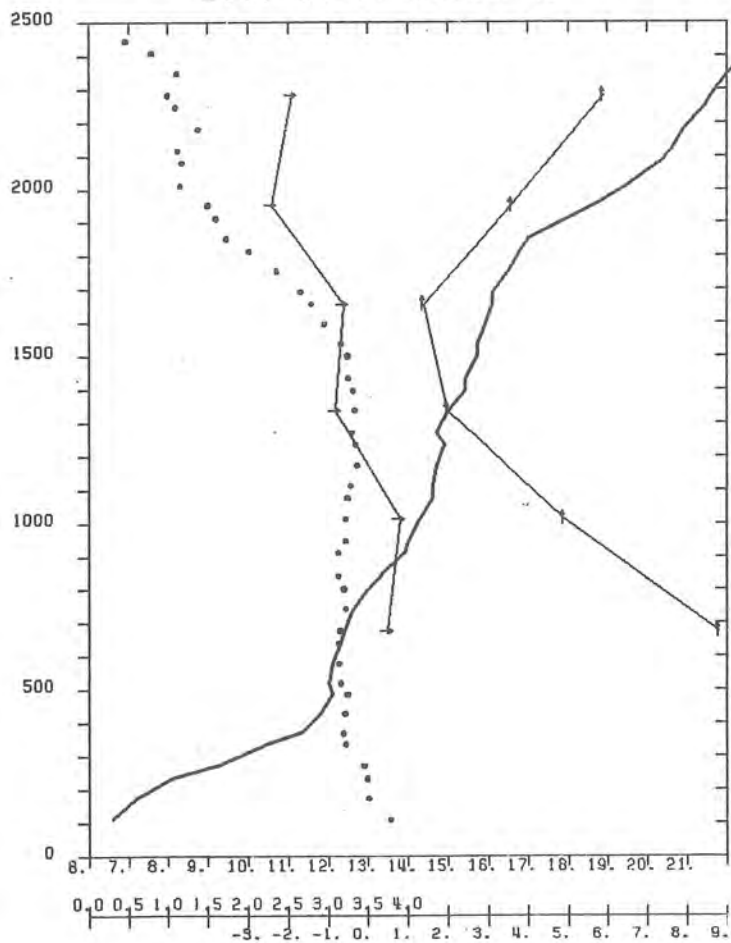
1980-05-07 20.00 LT



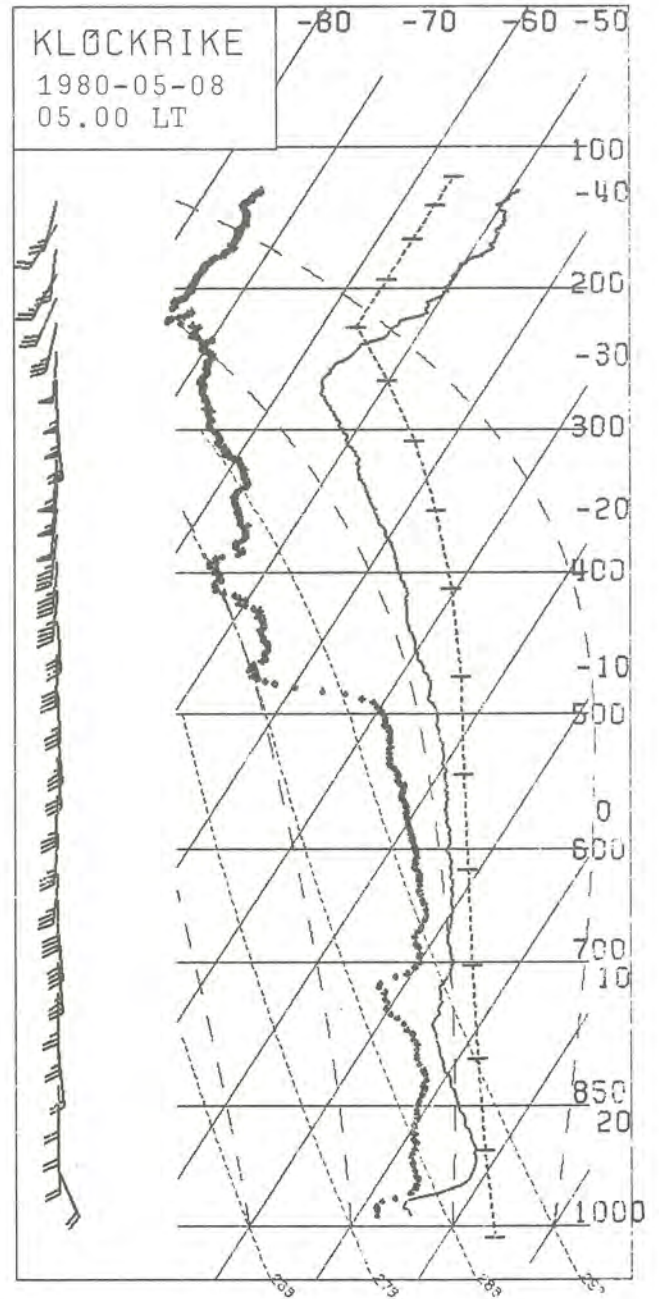
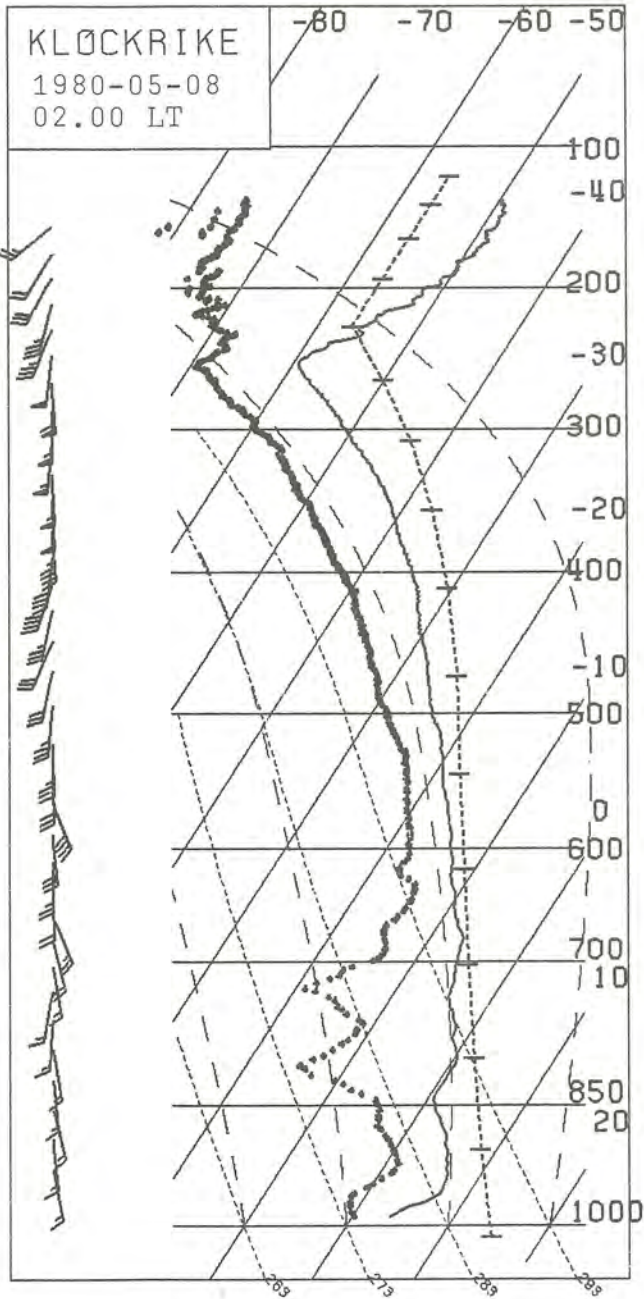
(DEG.C)
(G/KG)
(M/S)

HEIGHT (M)

1980-05-07 23.00 LT

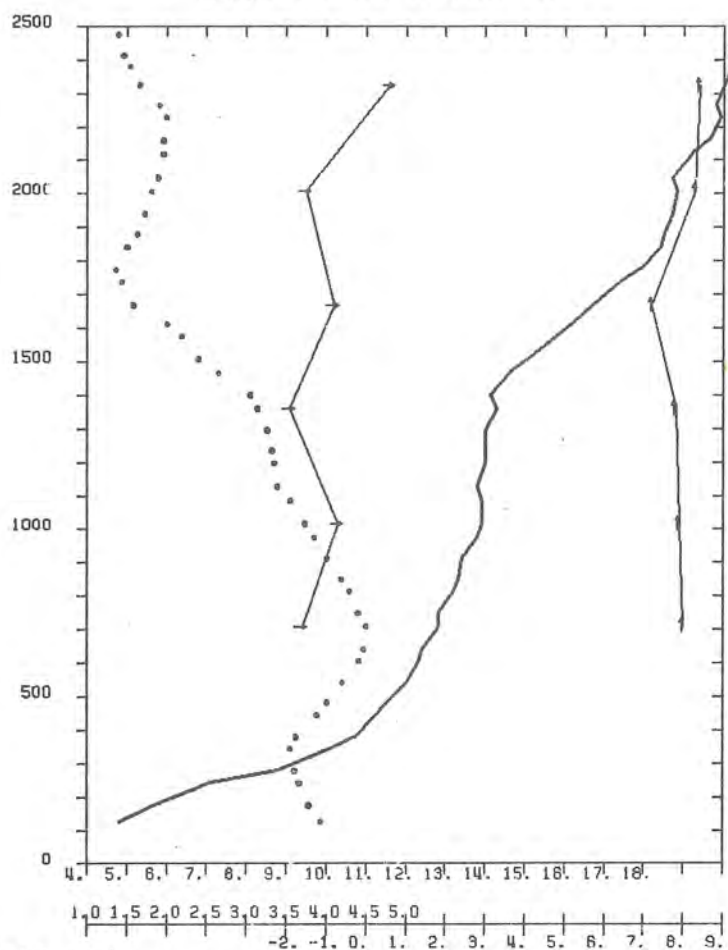


(DEG.C)
(G/KG)
(M/S)



HEIGHT (M)

1980-05-08 02.00 LT



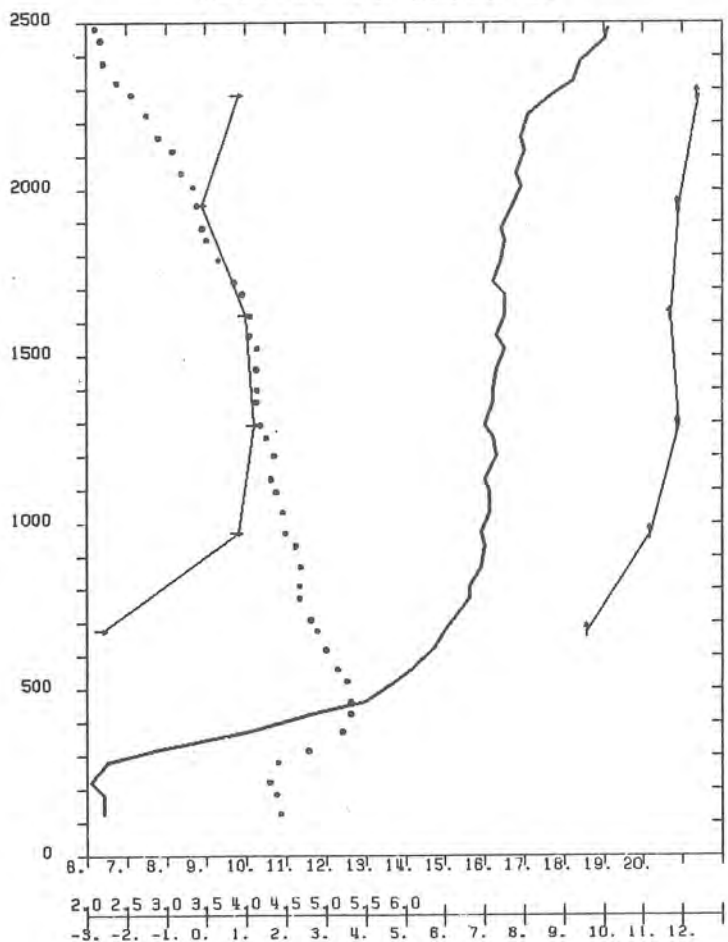
(DEG.C)

(G/KG)

(M/S)

HEIGHT (M)

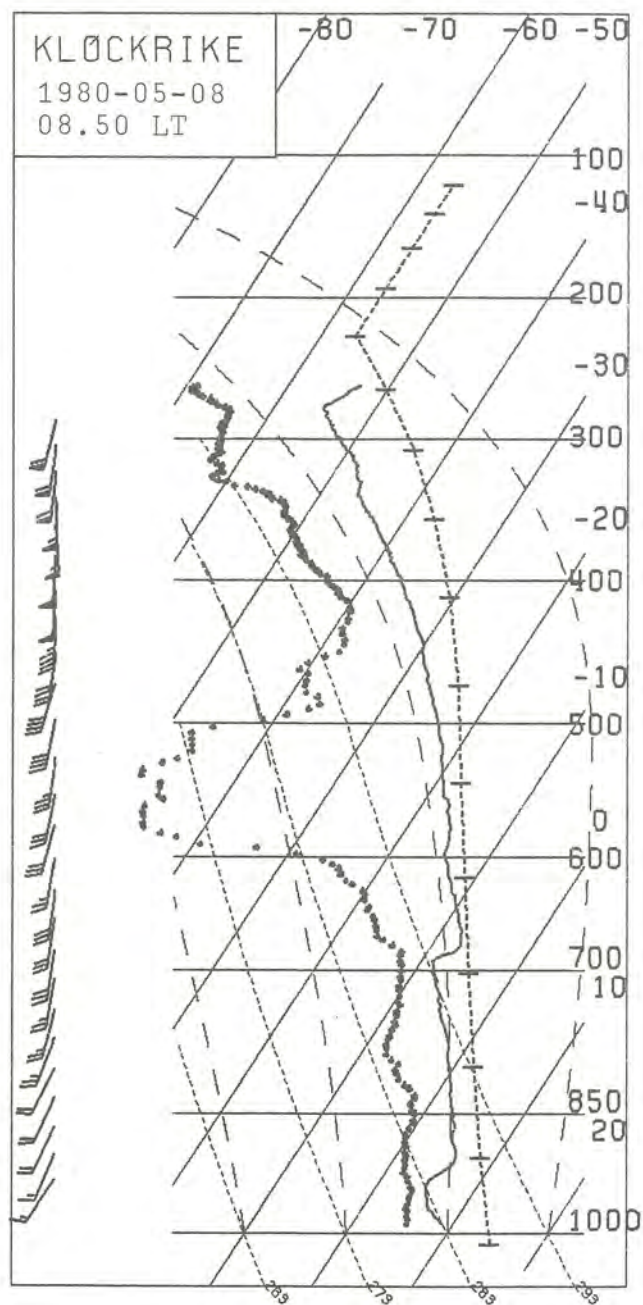
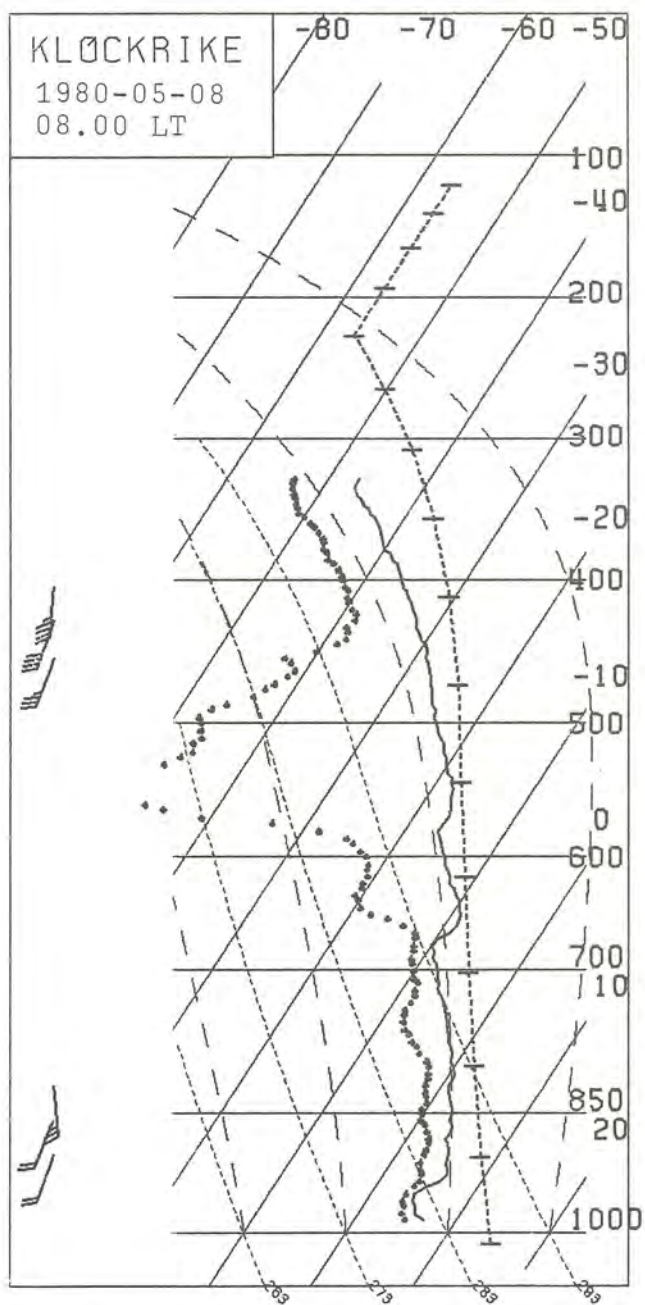
1980-05-08 05.00 LT



(DEG.C)

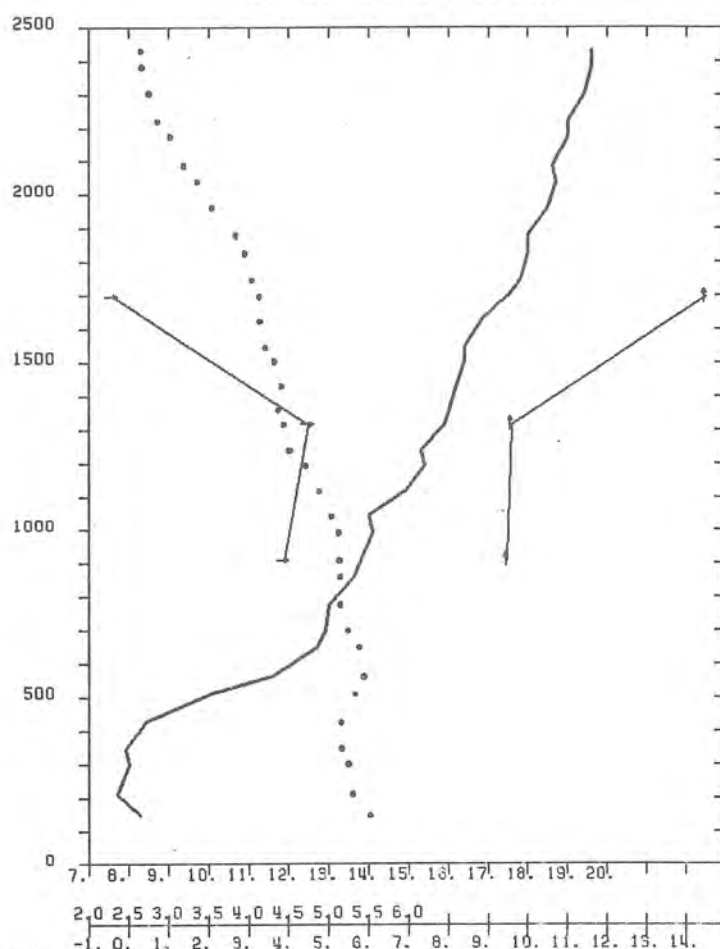
(G/KG)

(M/S)



HEIGHT (M)

1980-05-08 08.00 LT



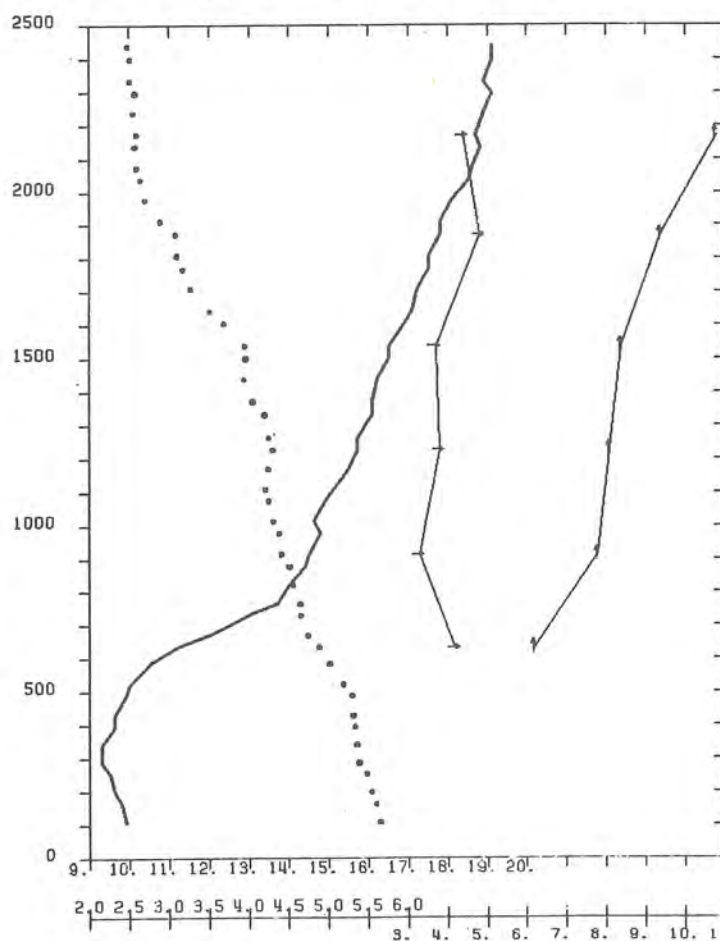
(DEG. C)

(G/KG)

(M/S)

HEIGHT (M)

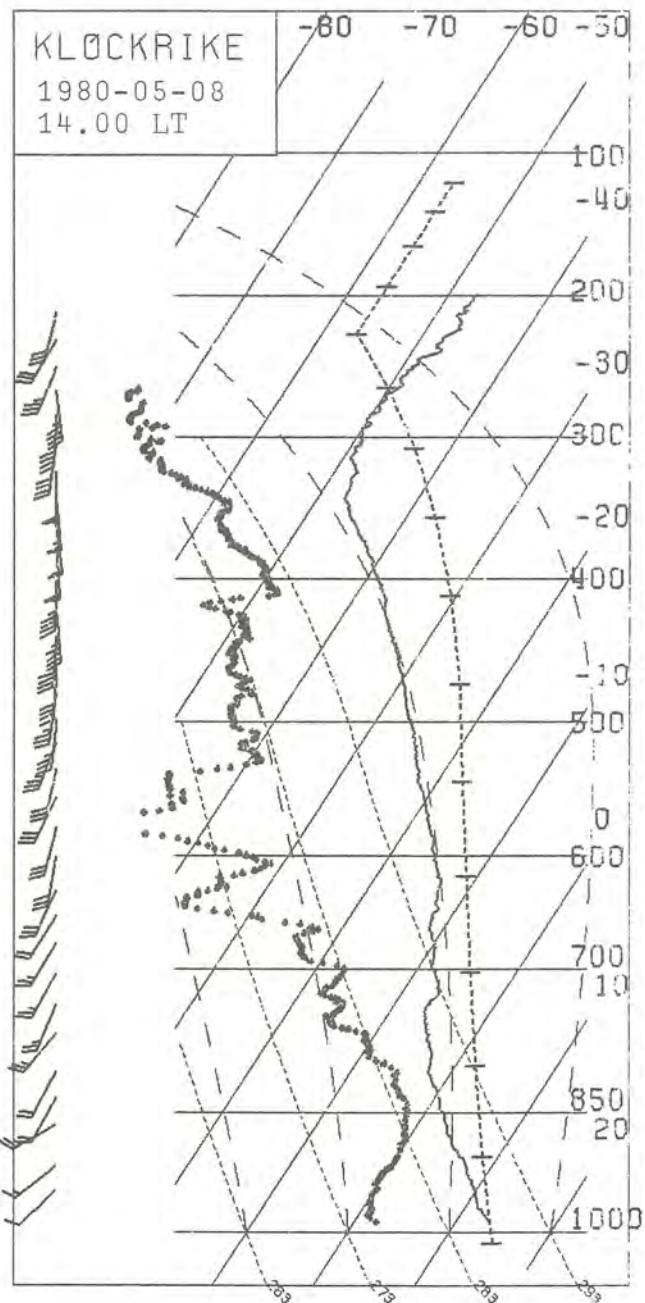
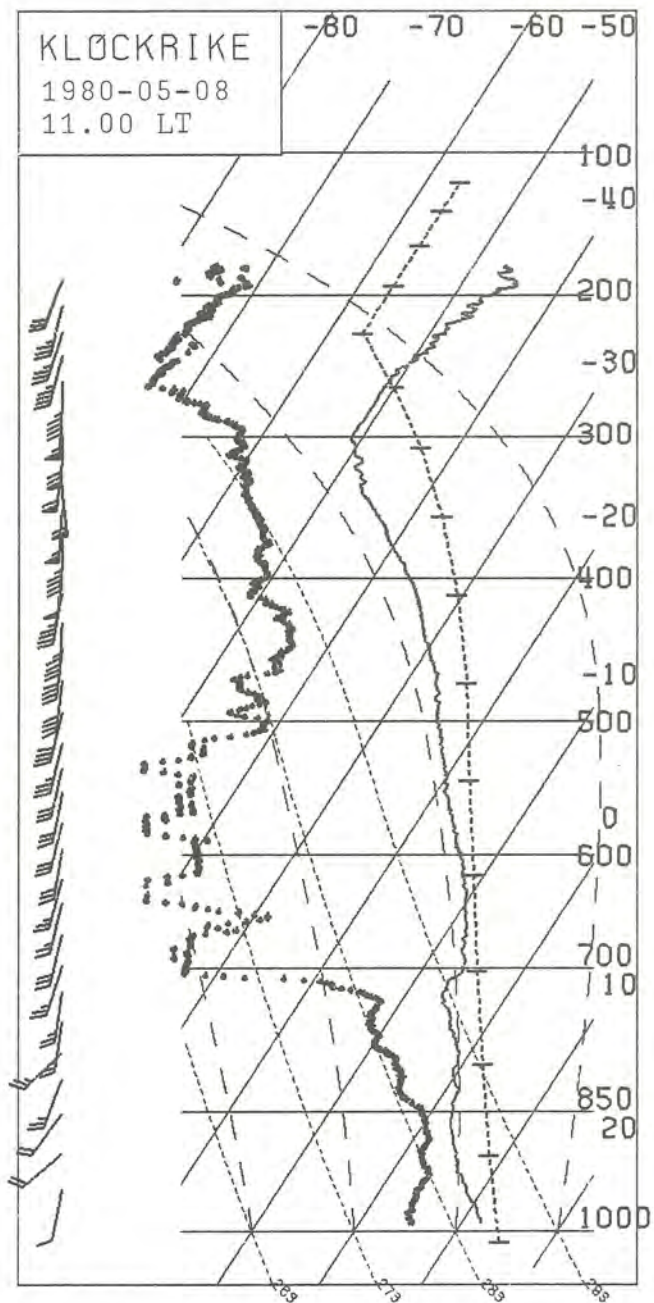
1980-05-08 08.50 LT



(DEG. C)

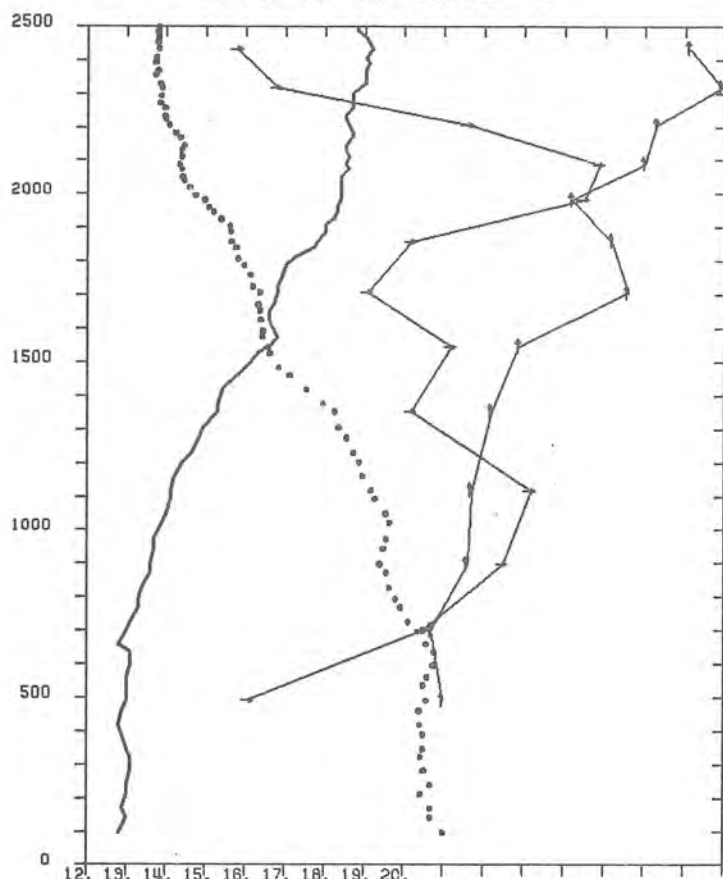
(G/KG)

(M/S)



HEIGHT (M)

1980-05-08 11.00 LT



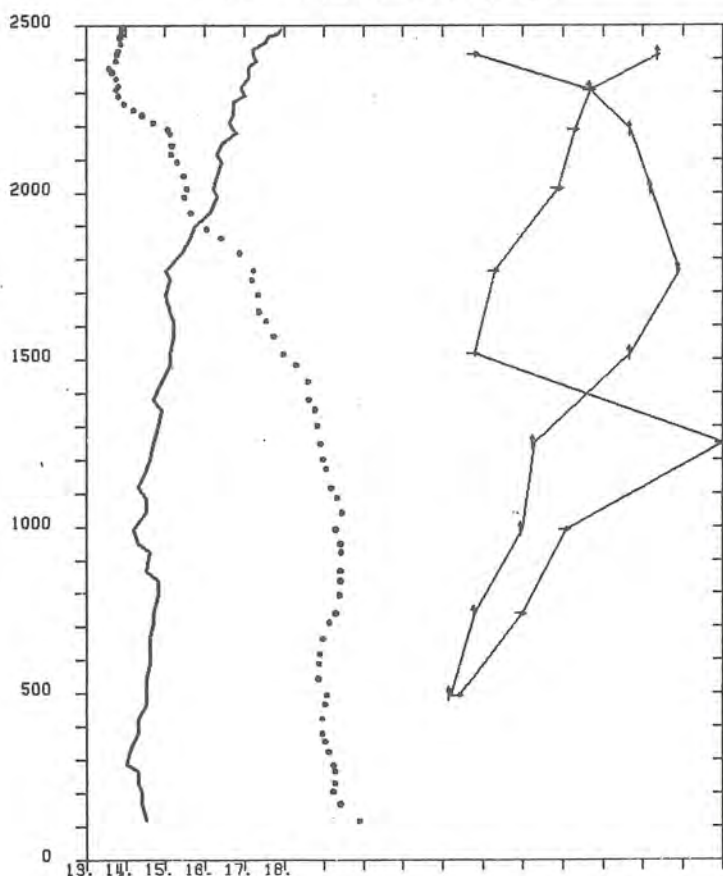
(DEG.C)

(G/KG)

(M/S)

HEIGHT (M)

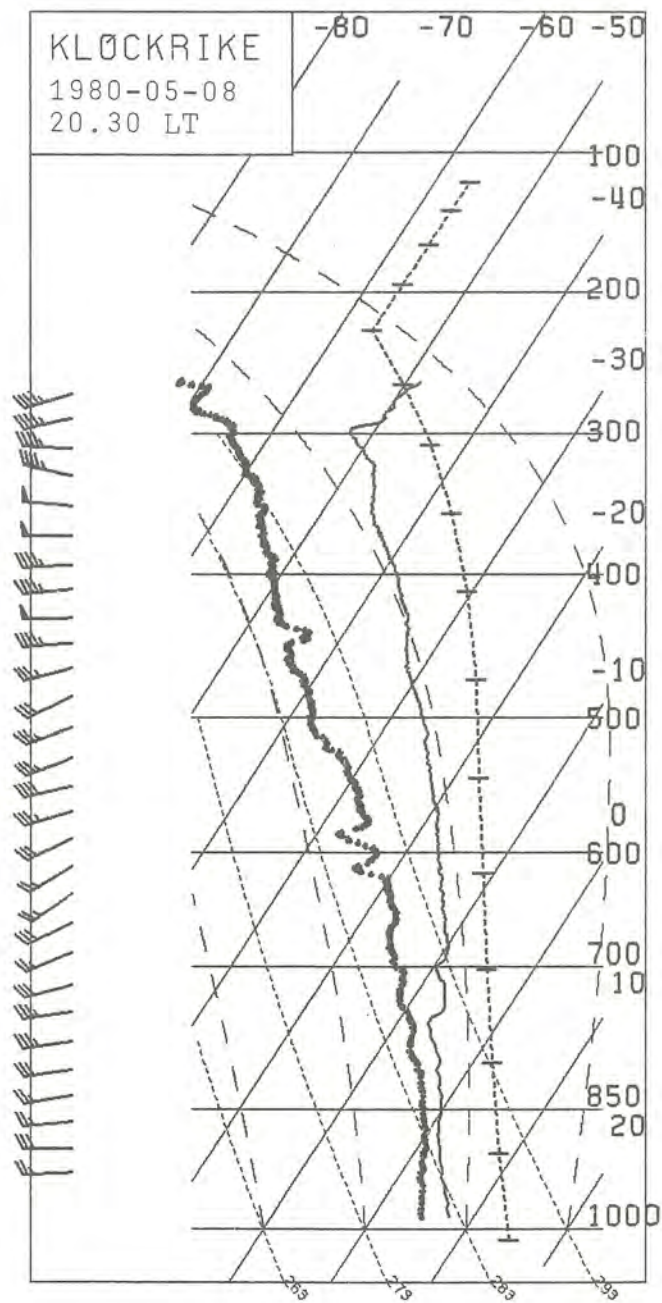
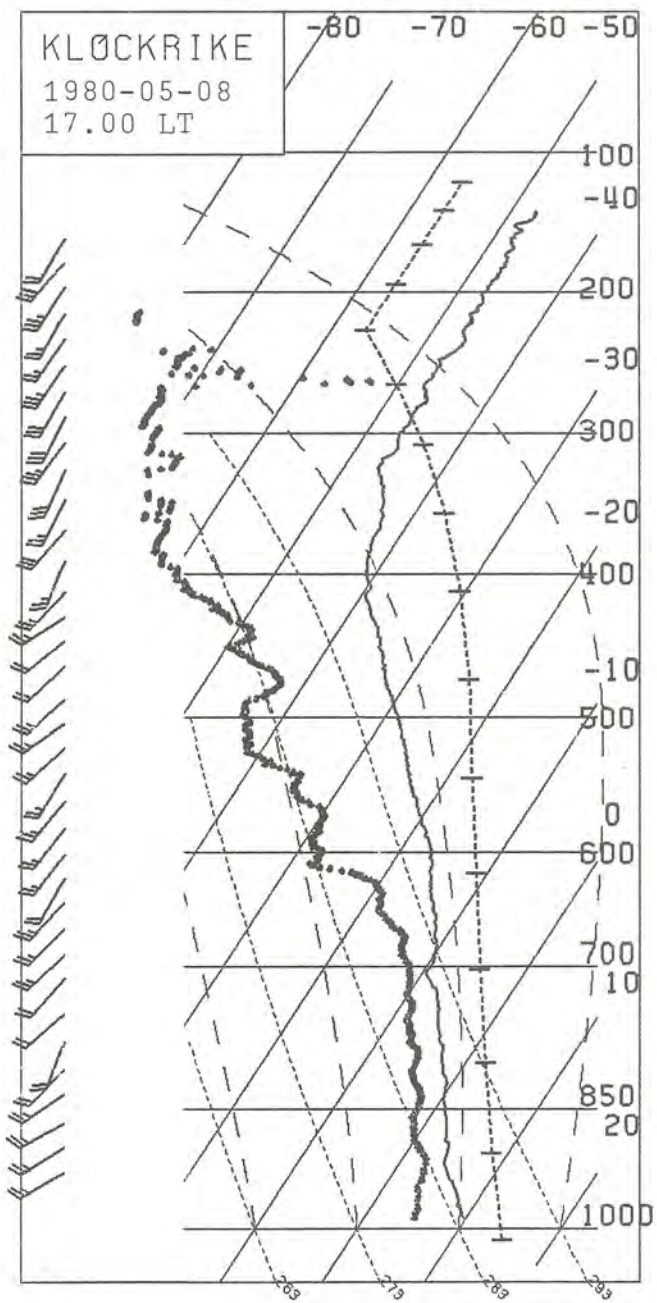
1980-05-08 14.00 LT



(DEG.C)

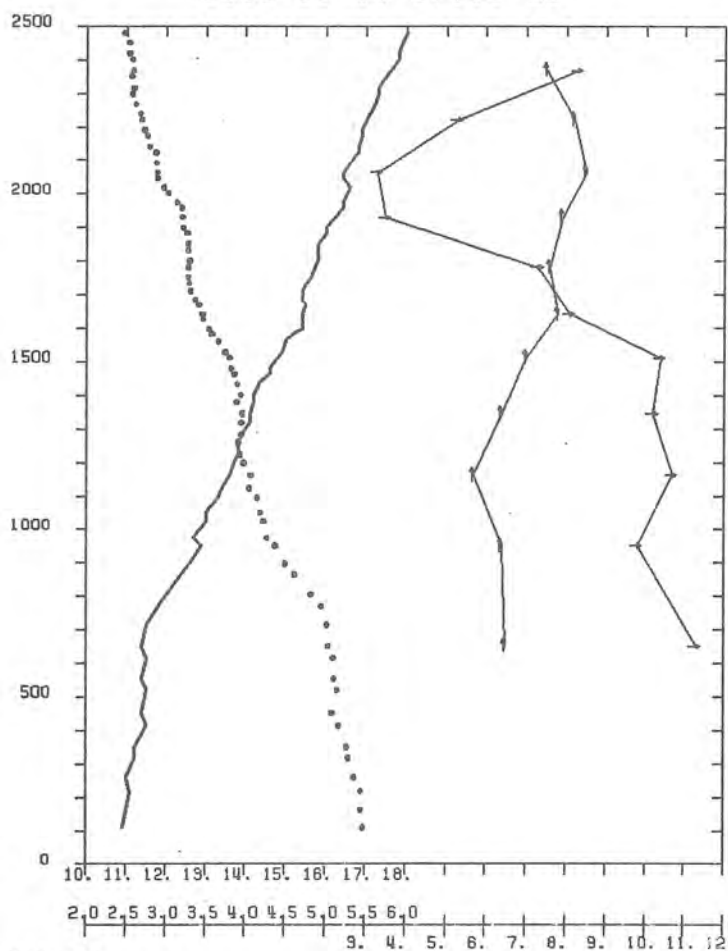
(G/KG)

(M/S)



HEIGHT (M)

1980-05-08 17.00 LT



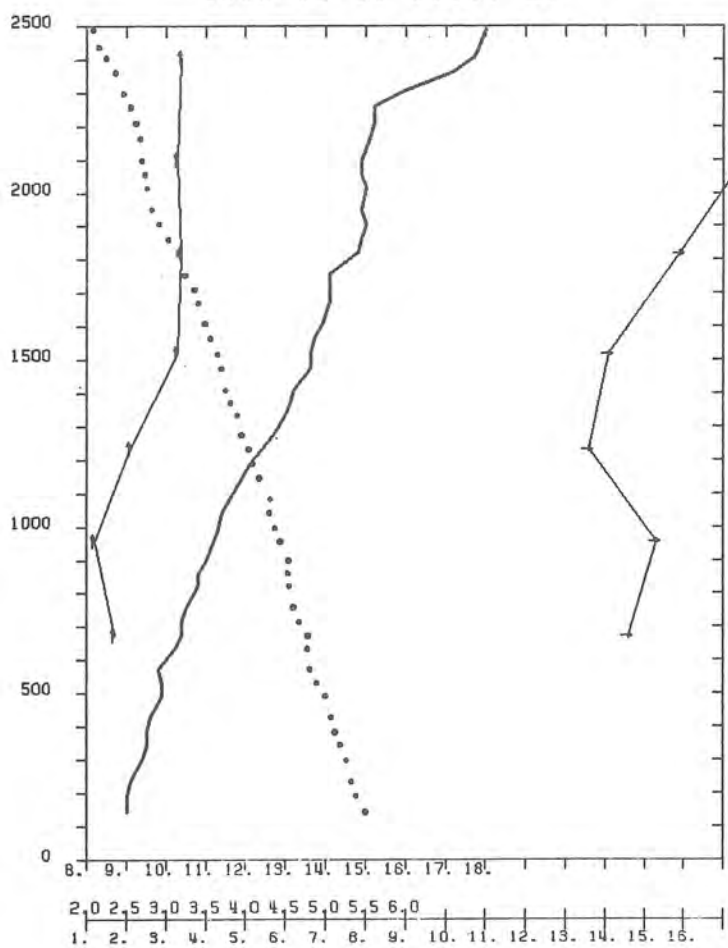
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(G/KG)

(M/S)

HEIGHT (M)

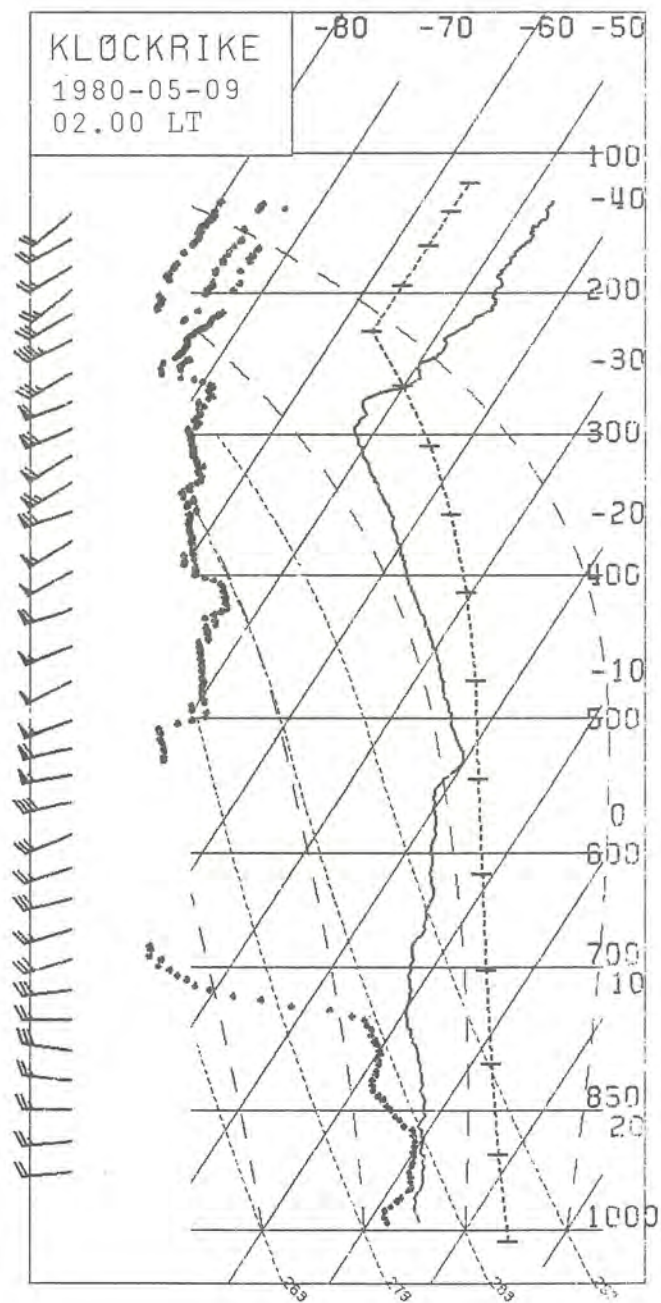
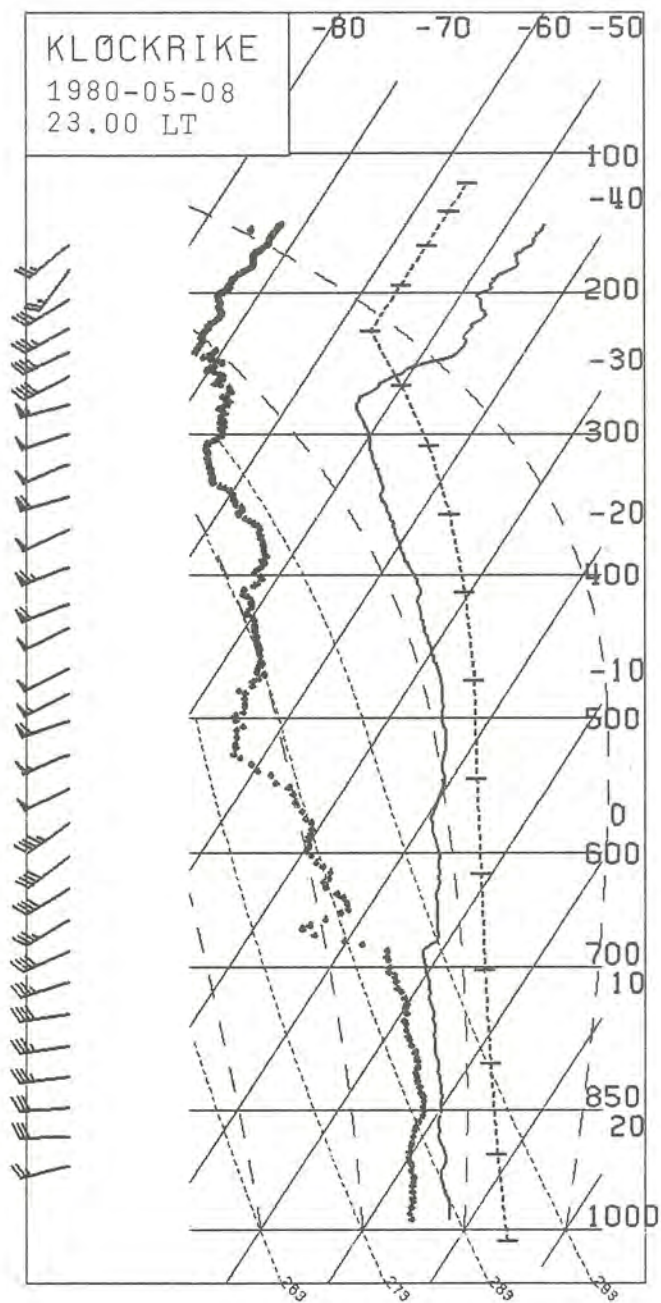
1980-05-08 20.30 LT



(DEG.C)

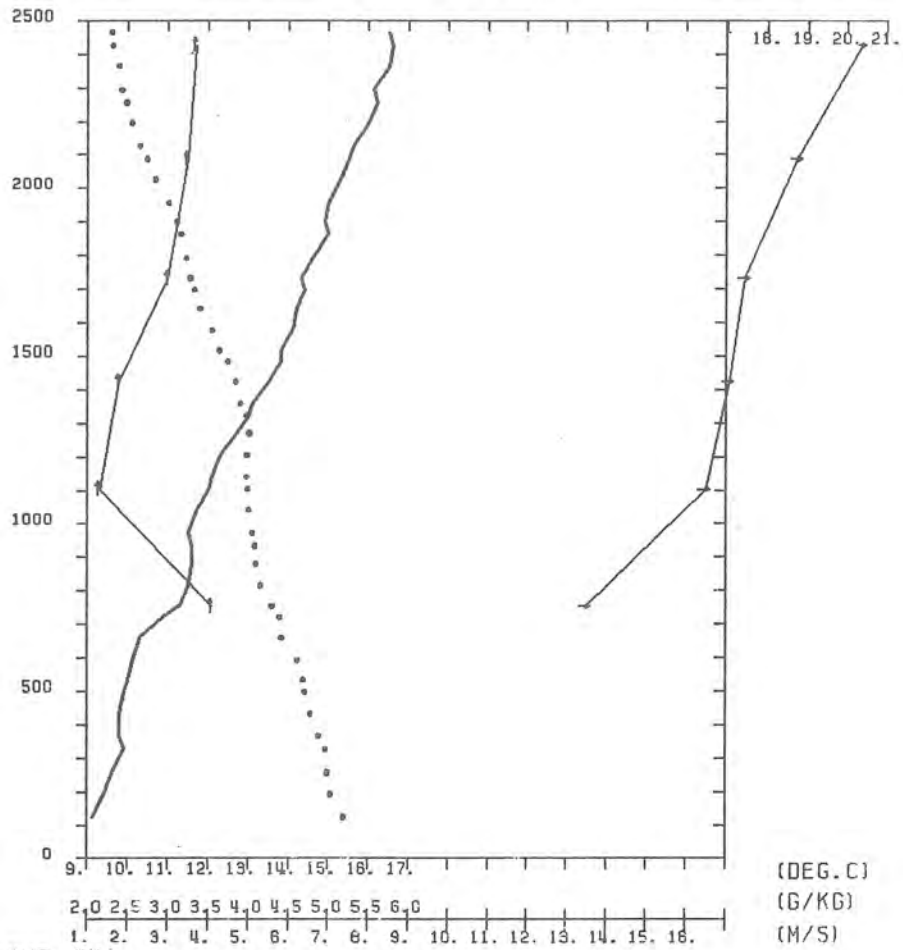
(G/KG)

(M/S)



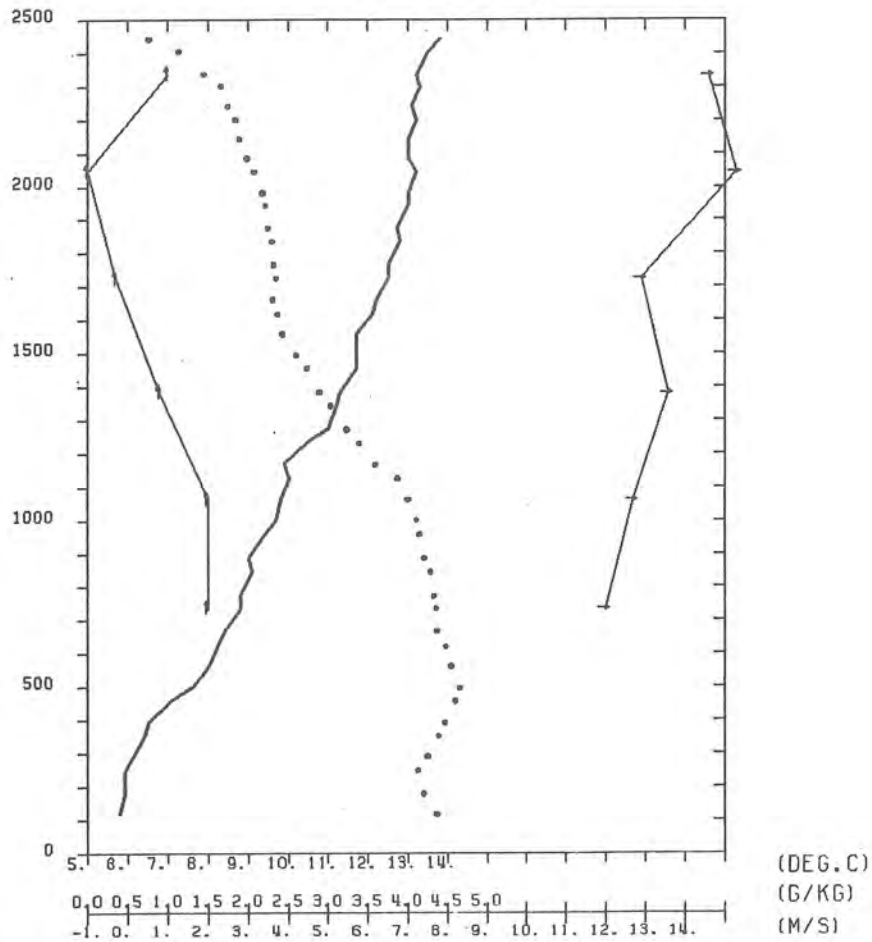
HEIGHT (M)

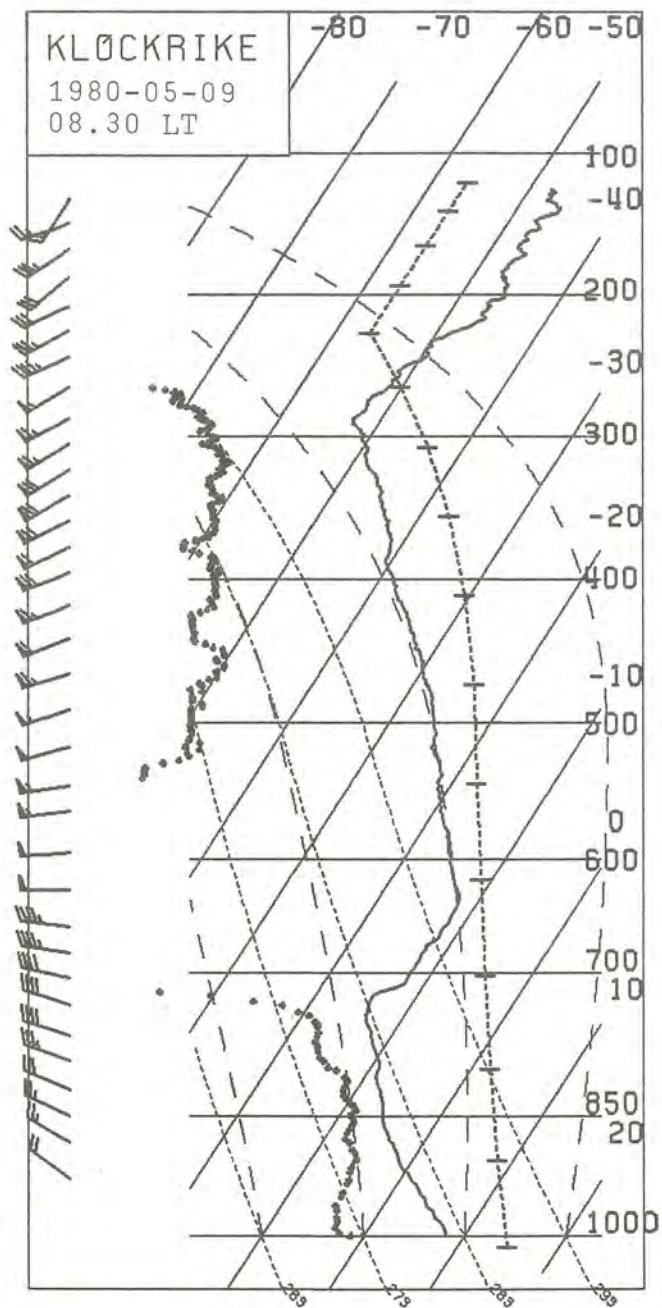
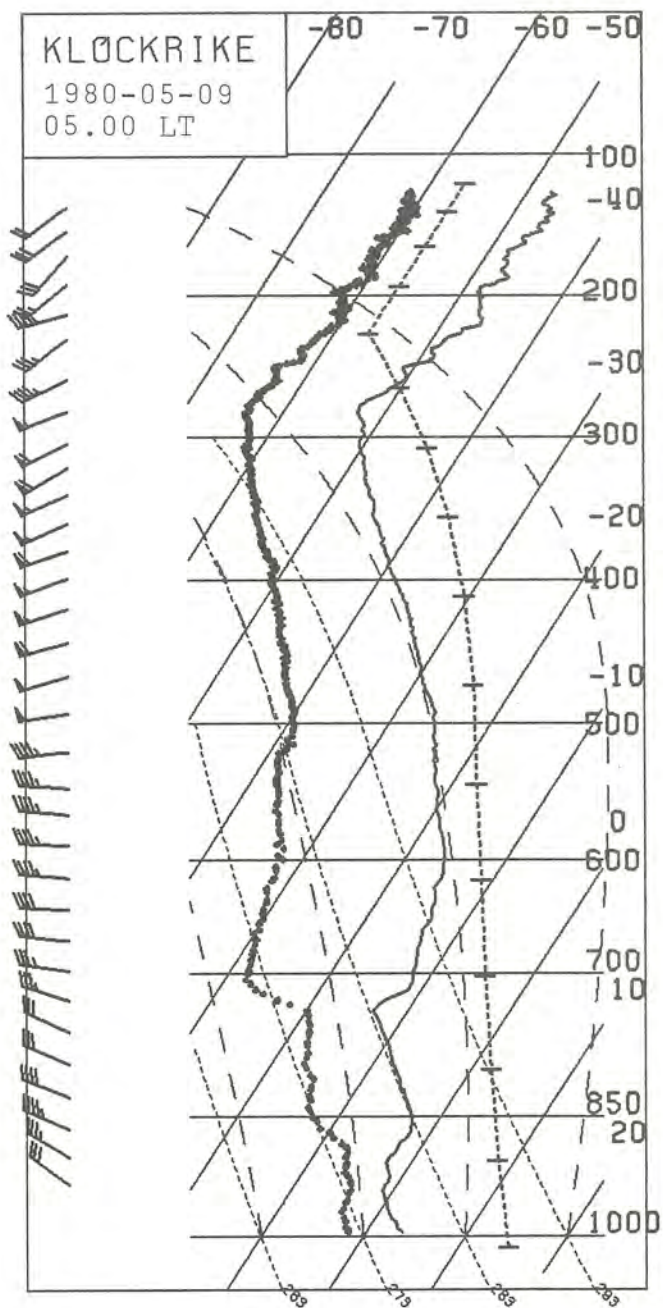
1980-05-08 23.00 LT



HEIGHT (M)

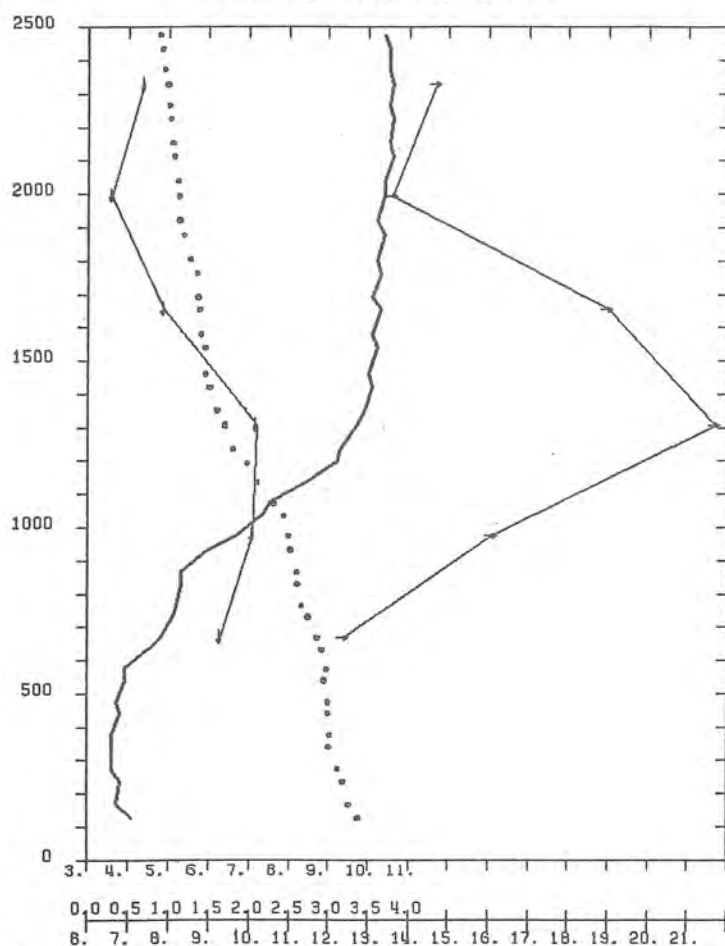
1980-05-09 02.00 LT





HEIGHT (M)

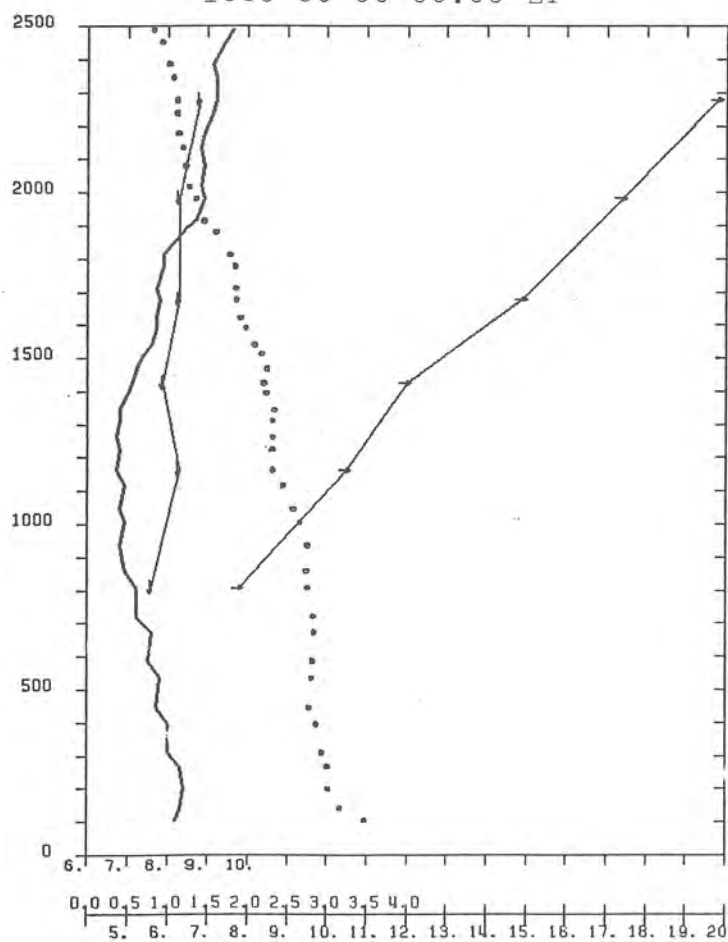
1980-05-09 05.00 LT



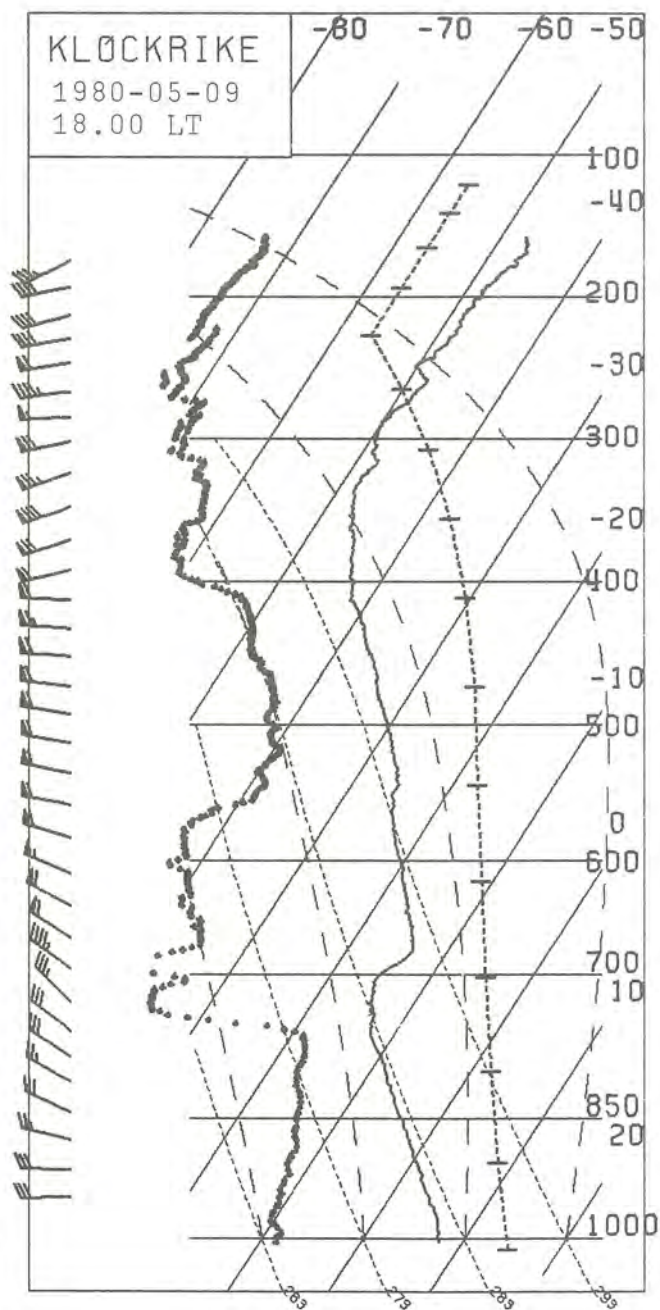
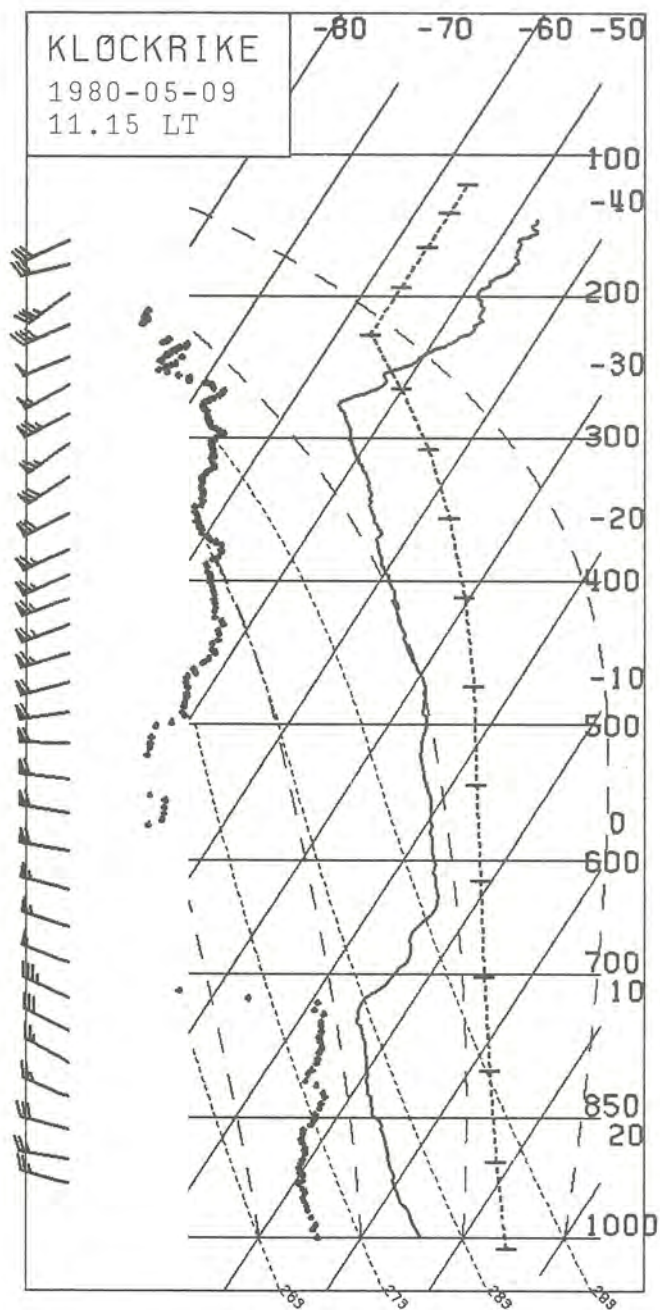
(DEG.C)
(G/KG)
(M/S)

HEIGHT (M)

1980-05-09 08.30 LT

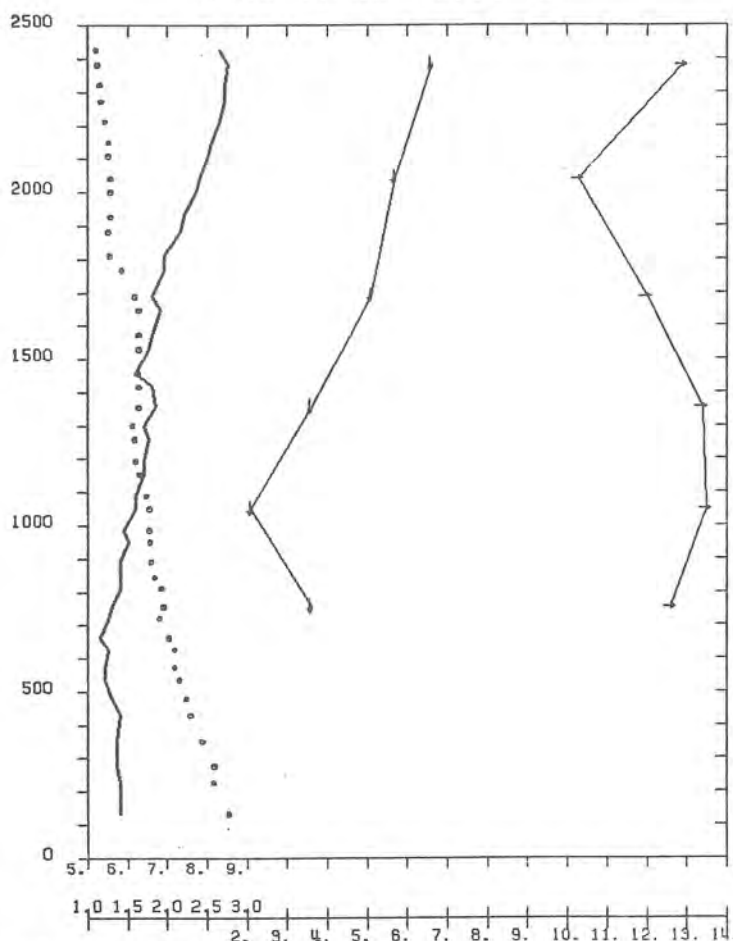


(DEG.C)
(G/KG)
(M/S)



HEIGHT (M)

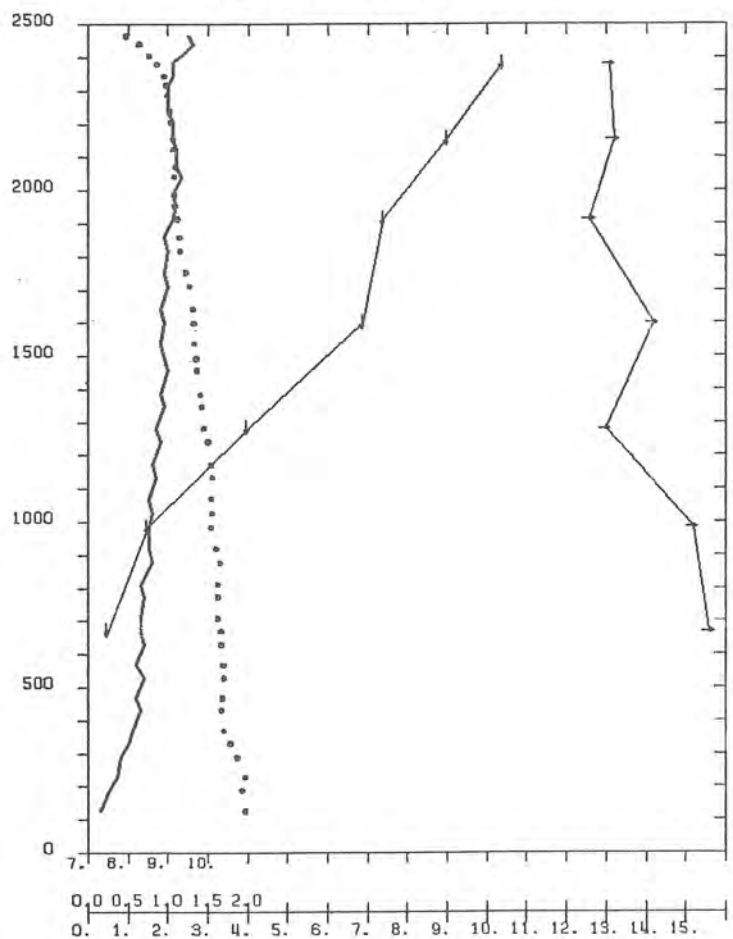
1980-05-09 11.15 LT



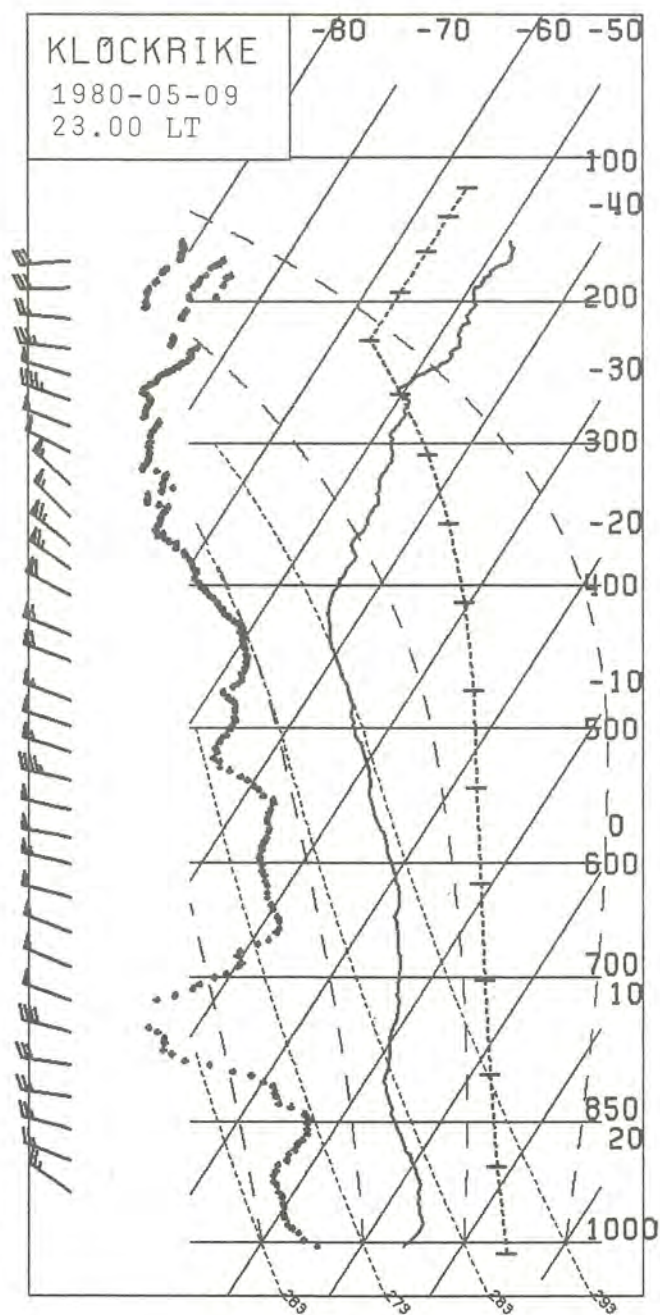
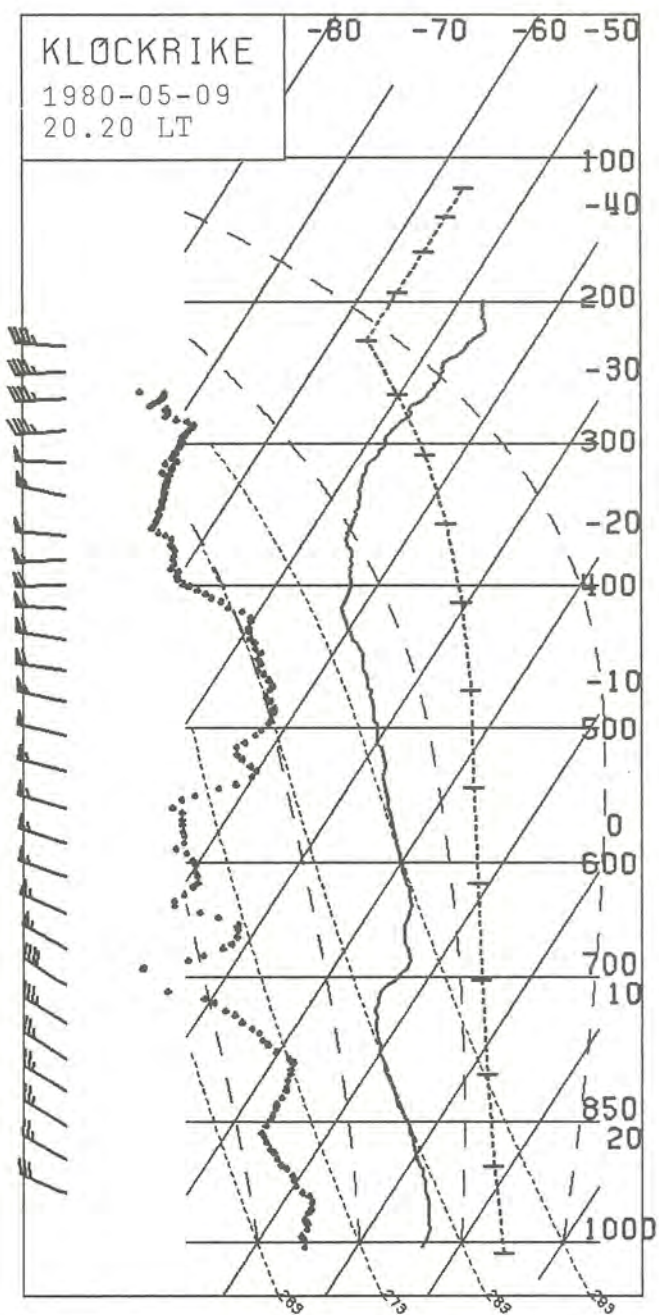
(DEG.C)
(G/KG)
(M/S)

HEIGHT (M)

1980-05-09 18.00 LT

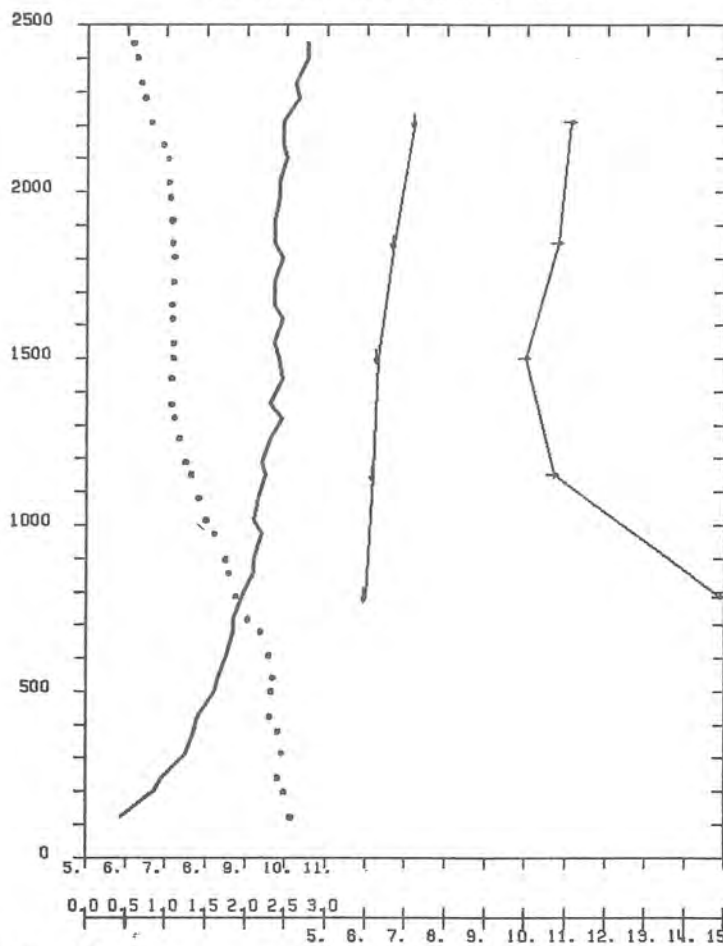


(DEG.C)
(G/KG)
(M/S)



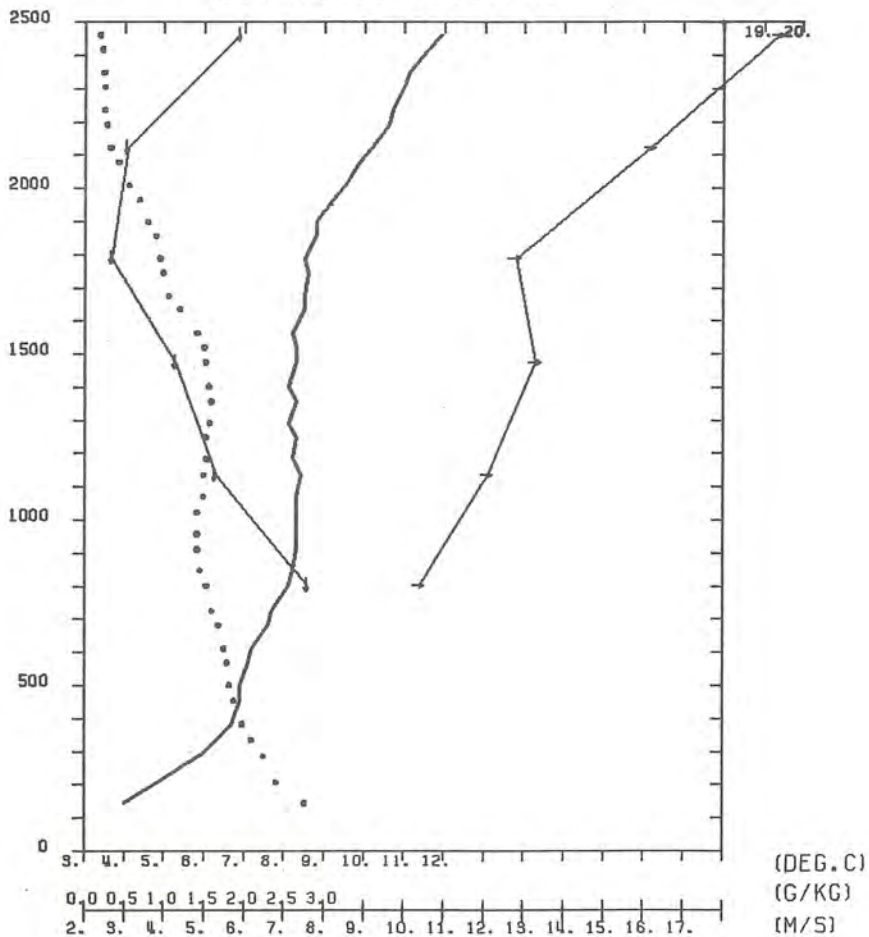
HEIGHT (M)

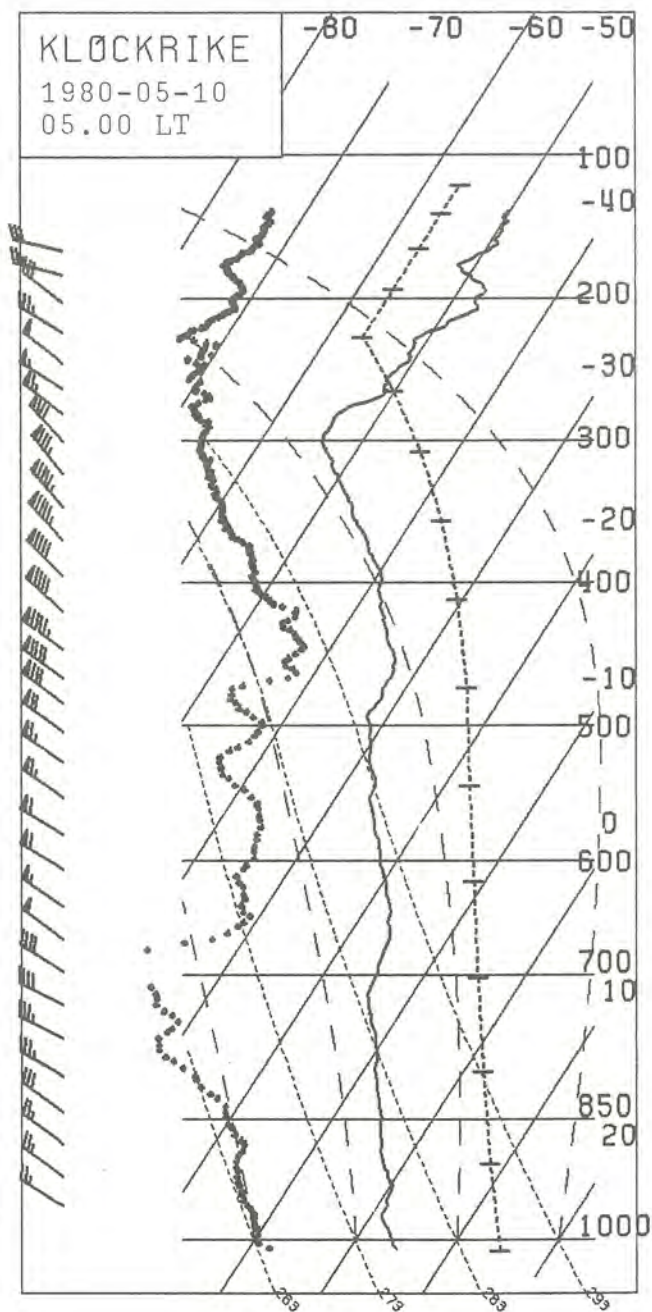
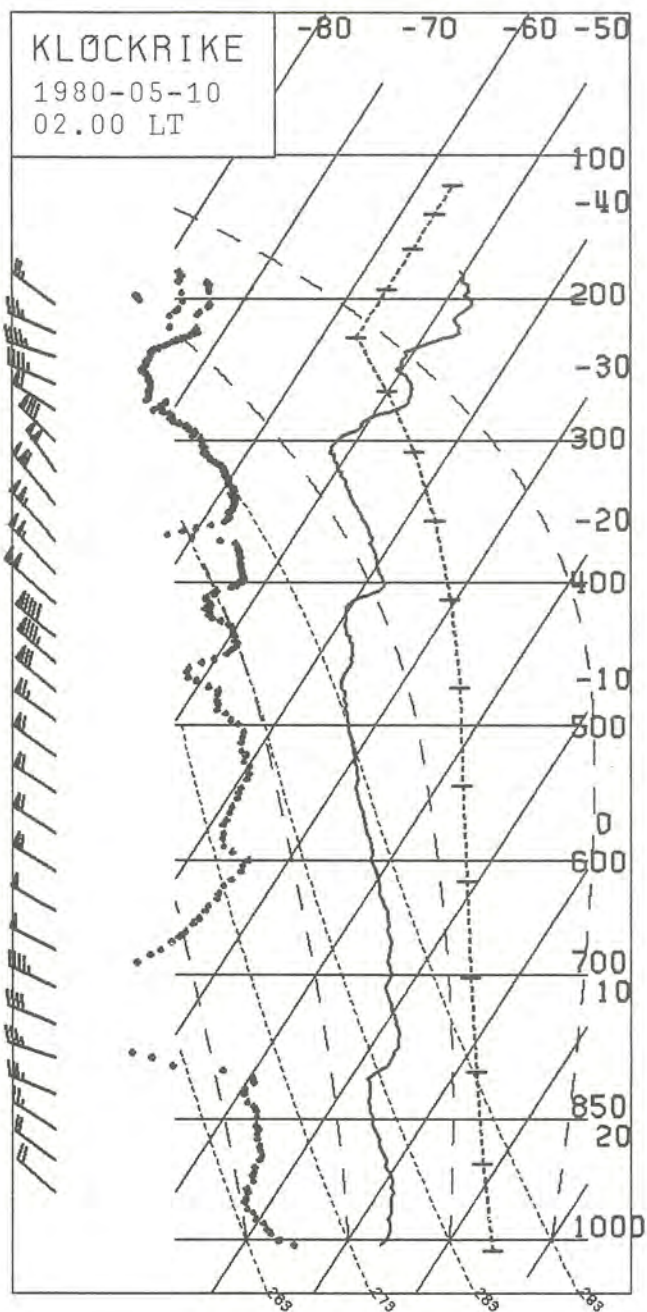
1980-05-09 20.20 LT



HEIGHT (M)

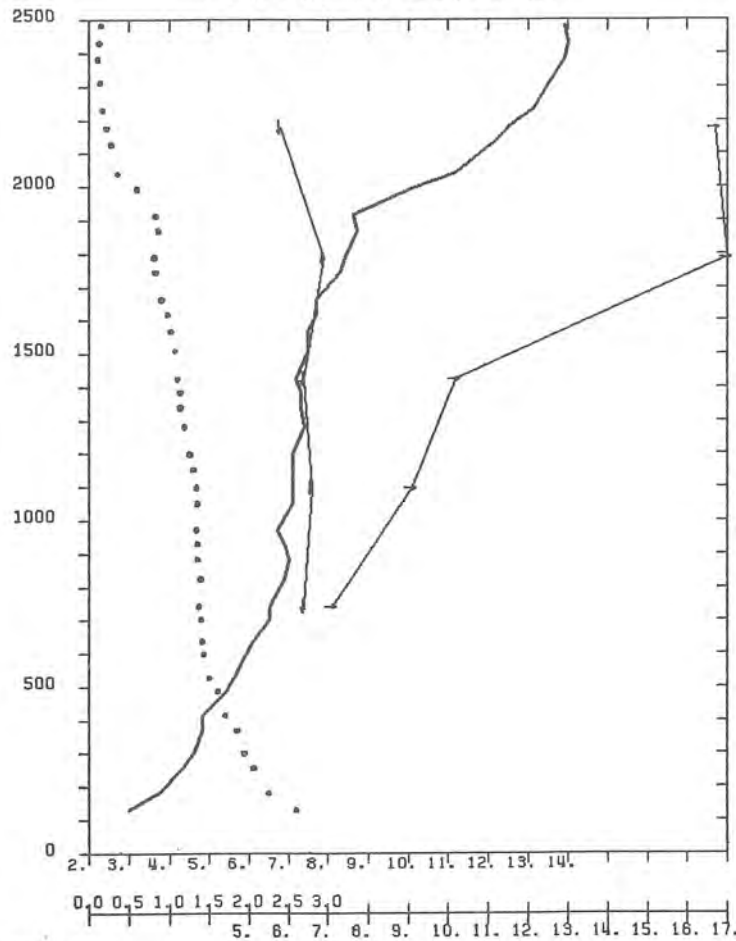
1980-05-09 23.00 LT





HEIGHT (M)

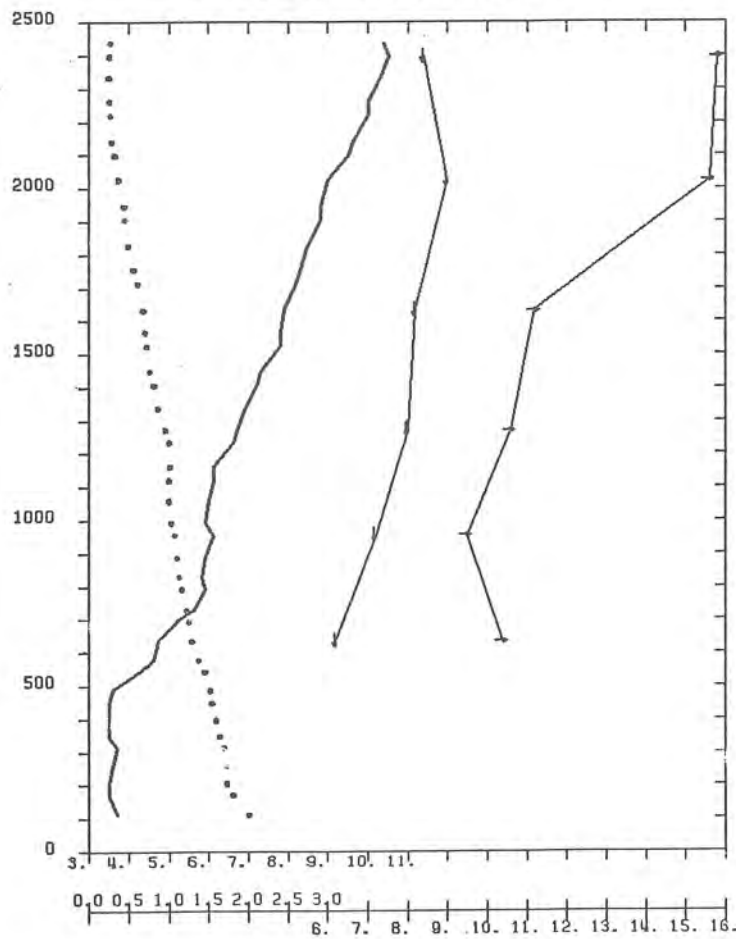
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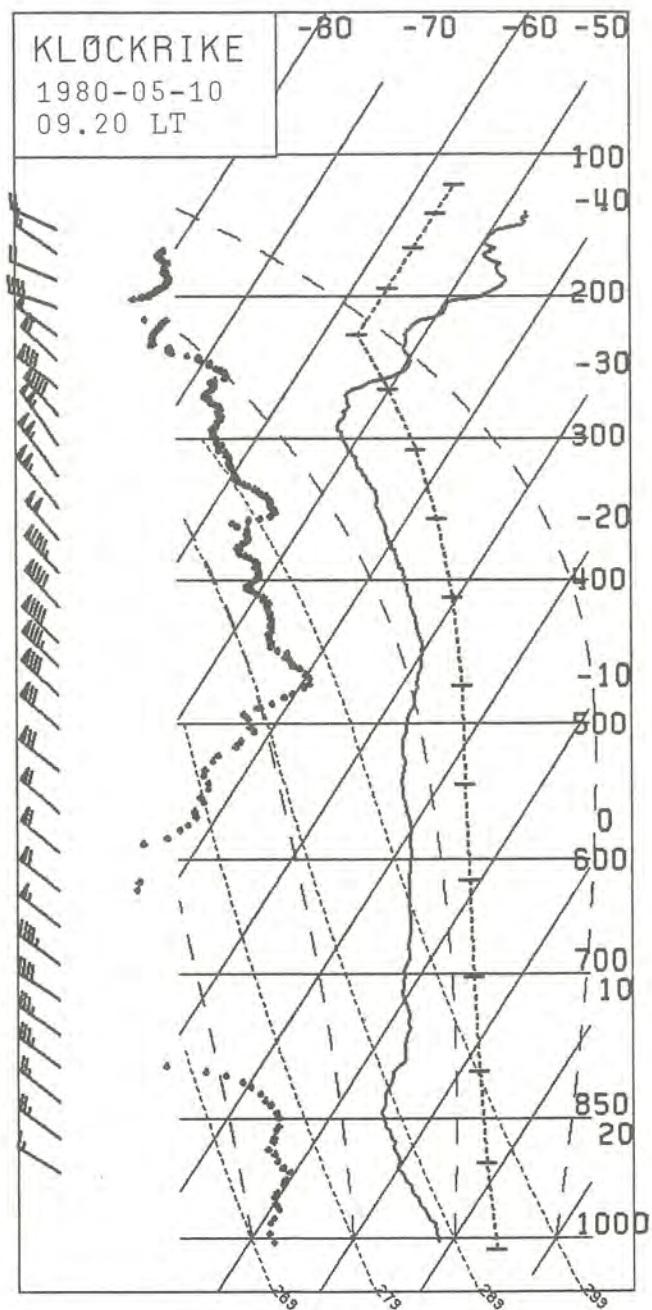
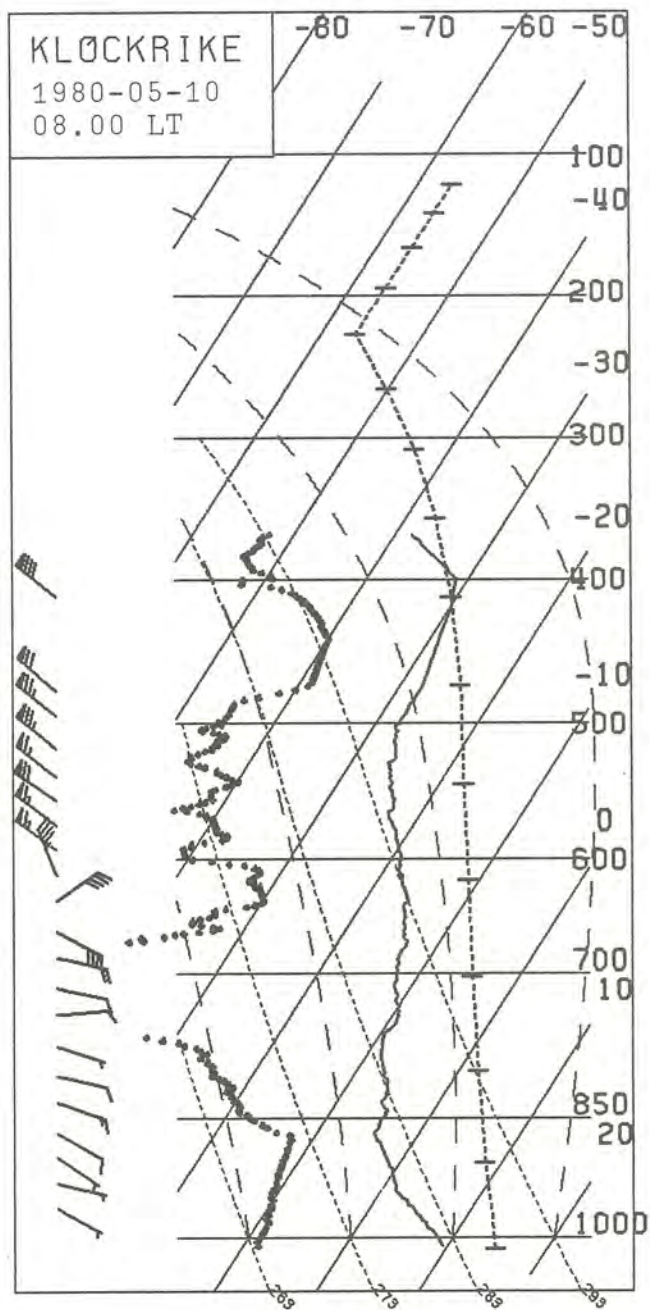
(DEG.C)
(G/KG)
(M/S)

HEIGHT (M)

1980-05-10 05.00 LT

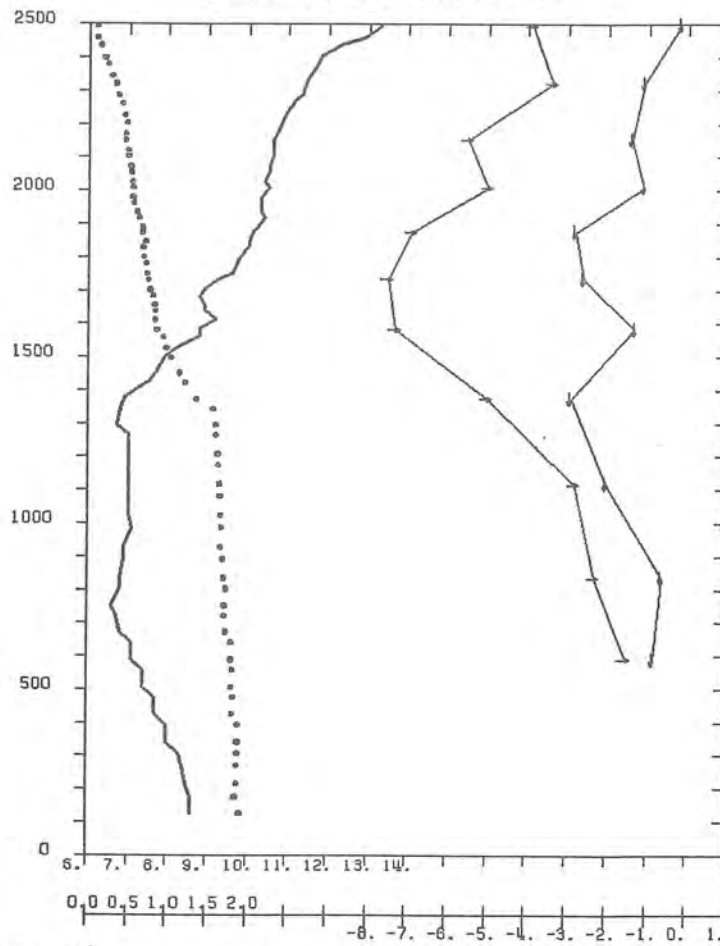


(DEG.C)
(G/KG)
(M/S)



HEIGHT (M)

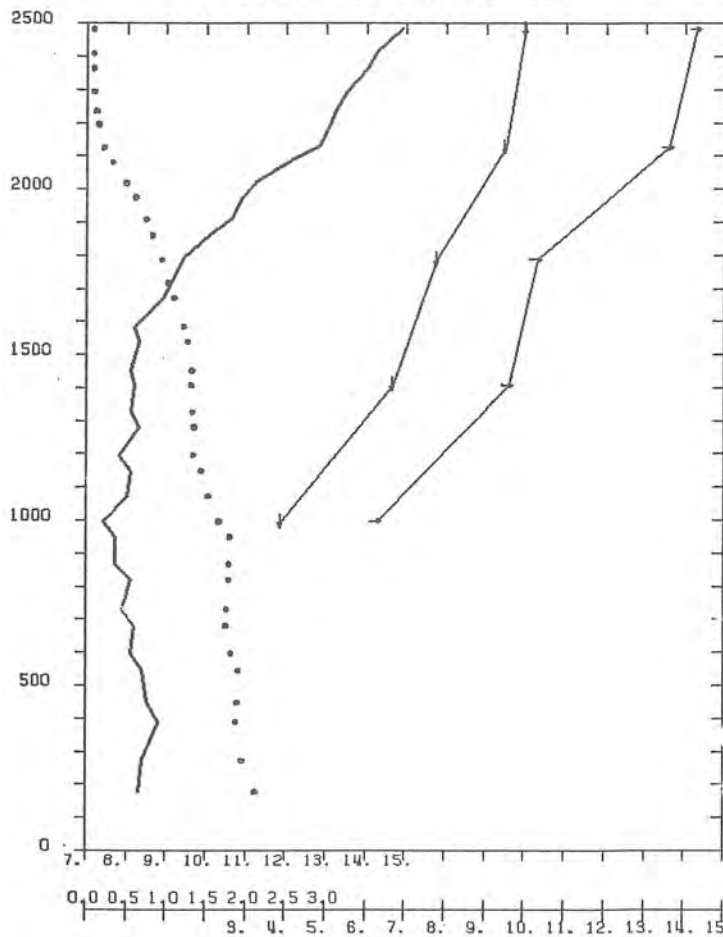
1980-05-10 08.00 LT



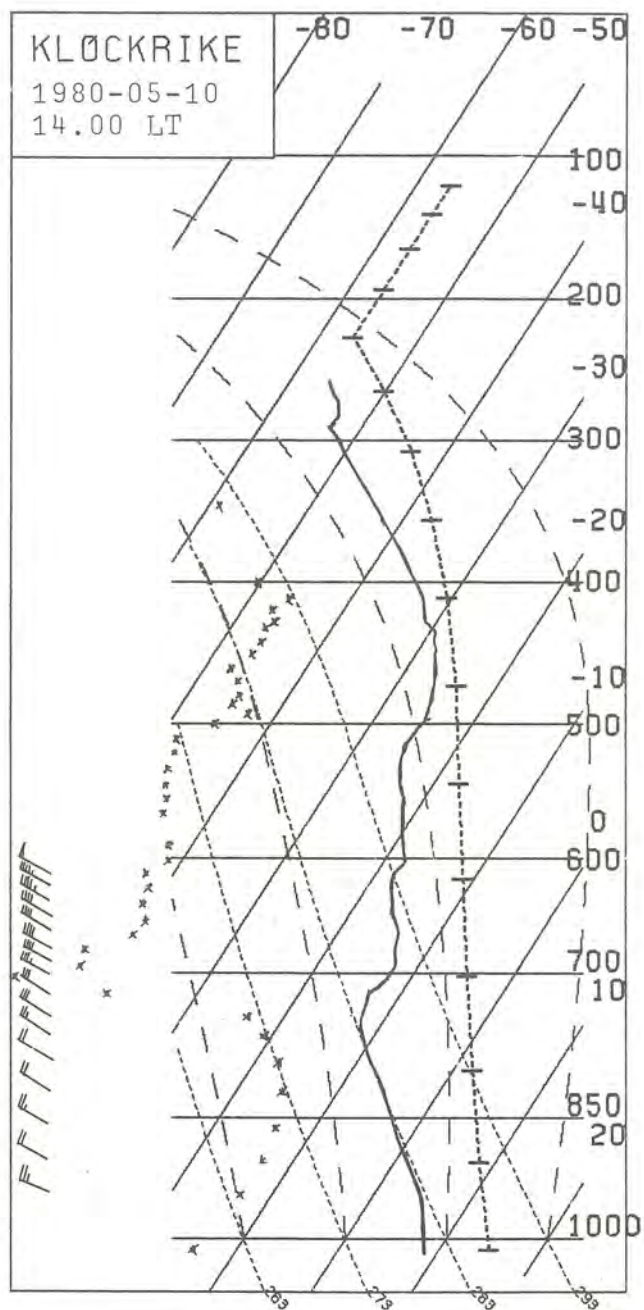
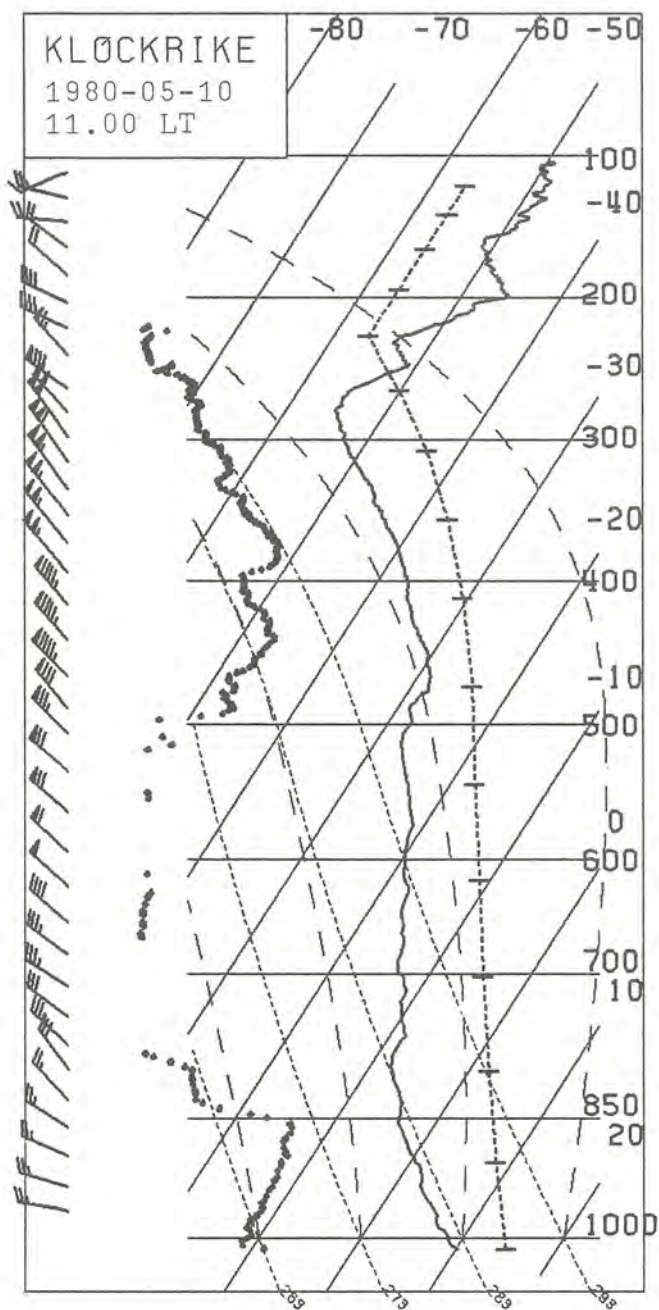
(DEG.C)
(G/KG)
(M/S)

HEIGHT (M)

1980-05-10 09.20 LT

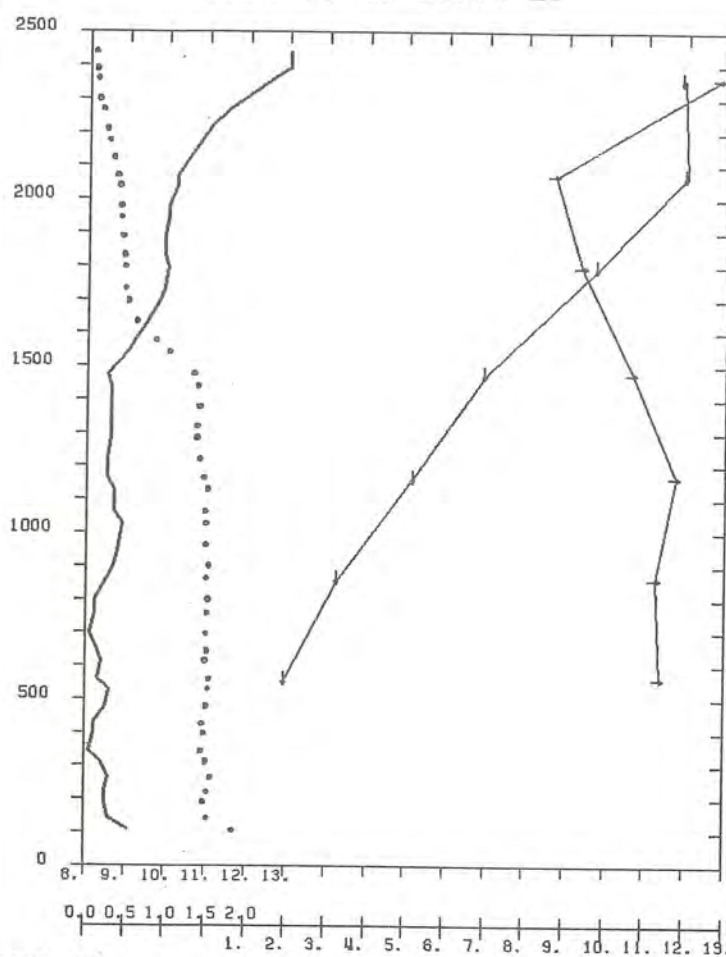


(DEG.C)
(G/KG)
(M/S)



HEIGHT (M)

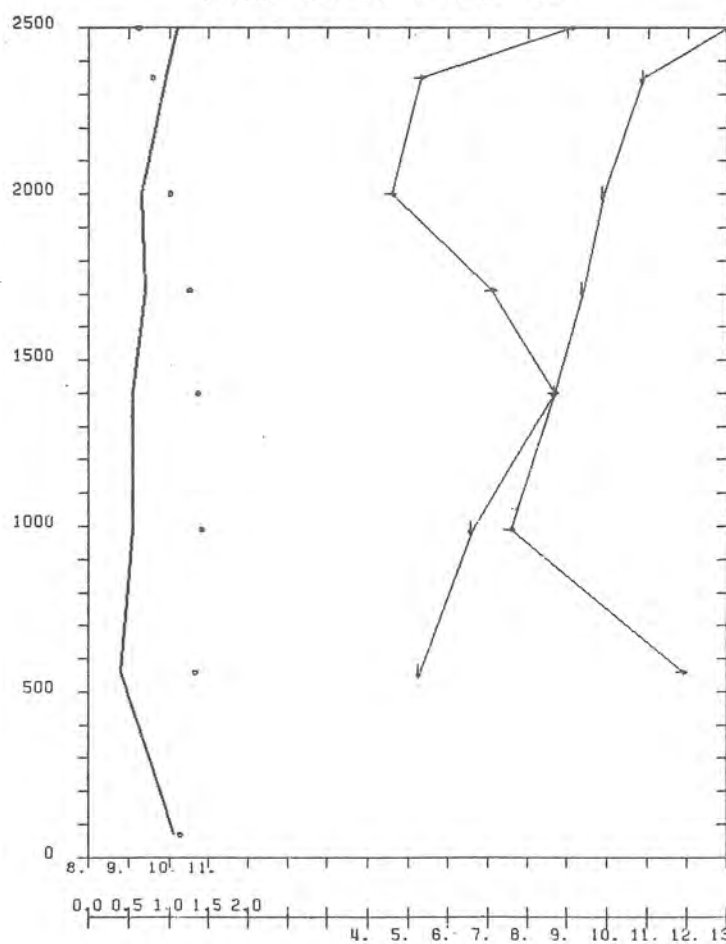
1980-05-10 11.00 LT



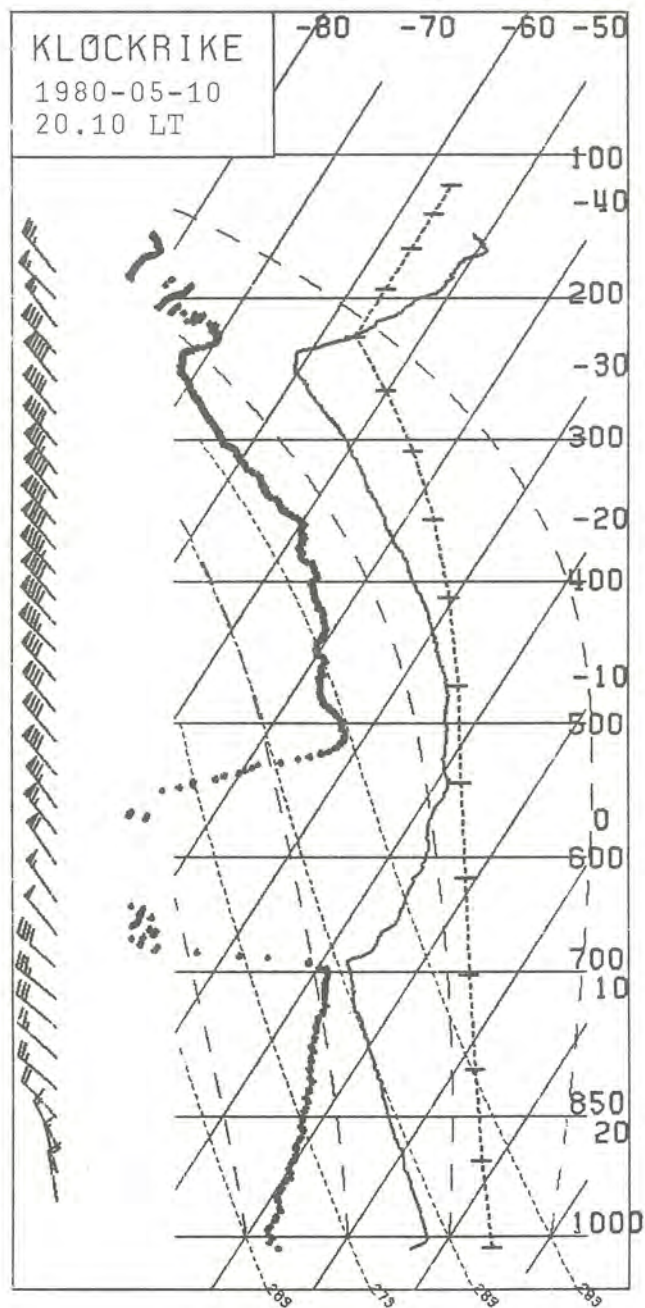
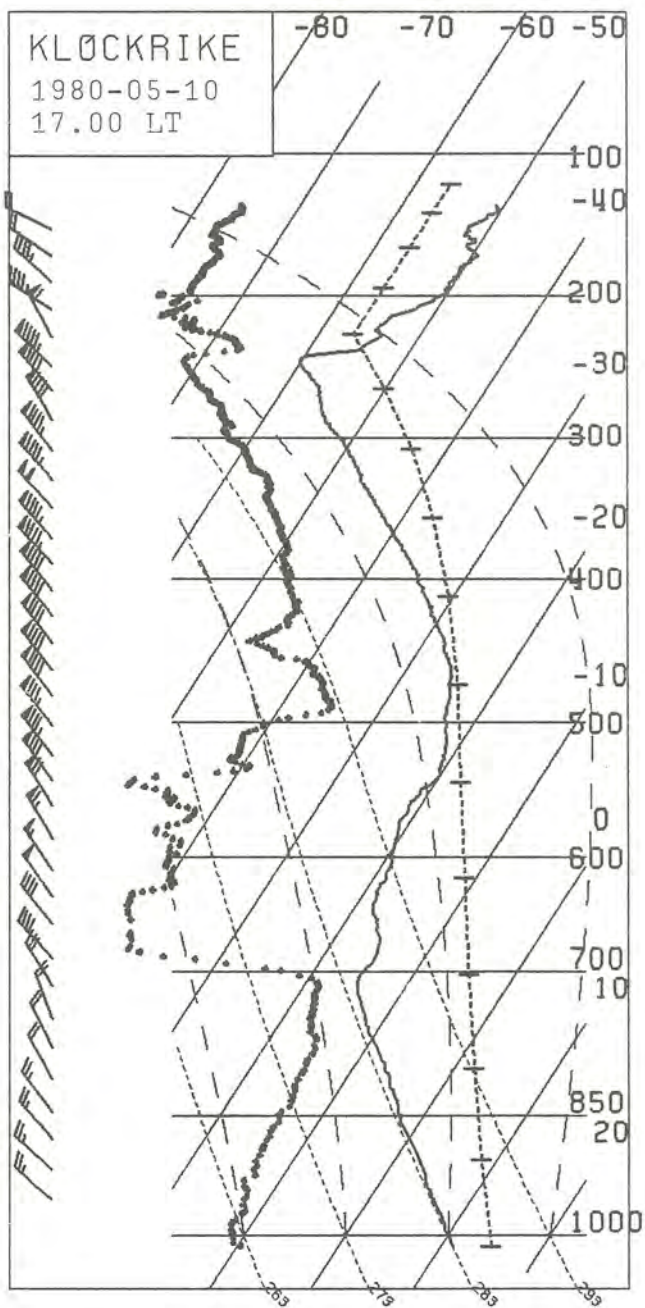
(DEG.C)
(G/KG)
(M/S)

HEIGHT (M)

1980-05-10 14.00 LT

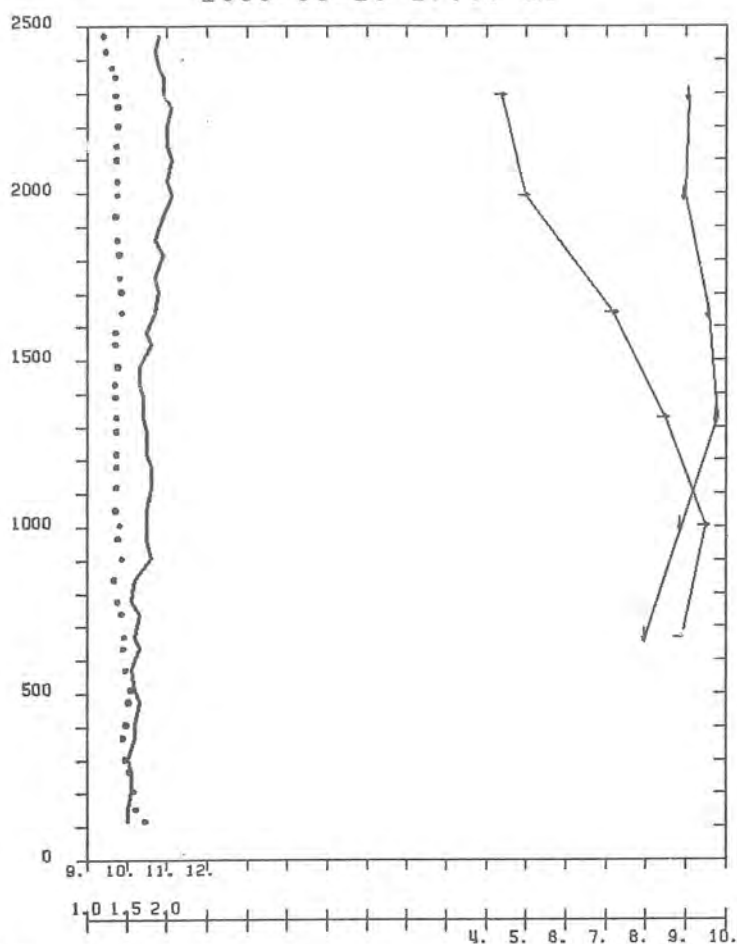


(DEG.C)
(G/KG)
(M/S)



HEIGHT (M)

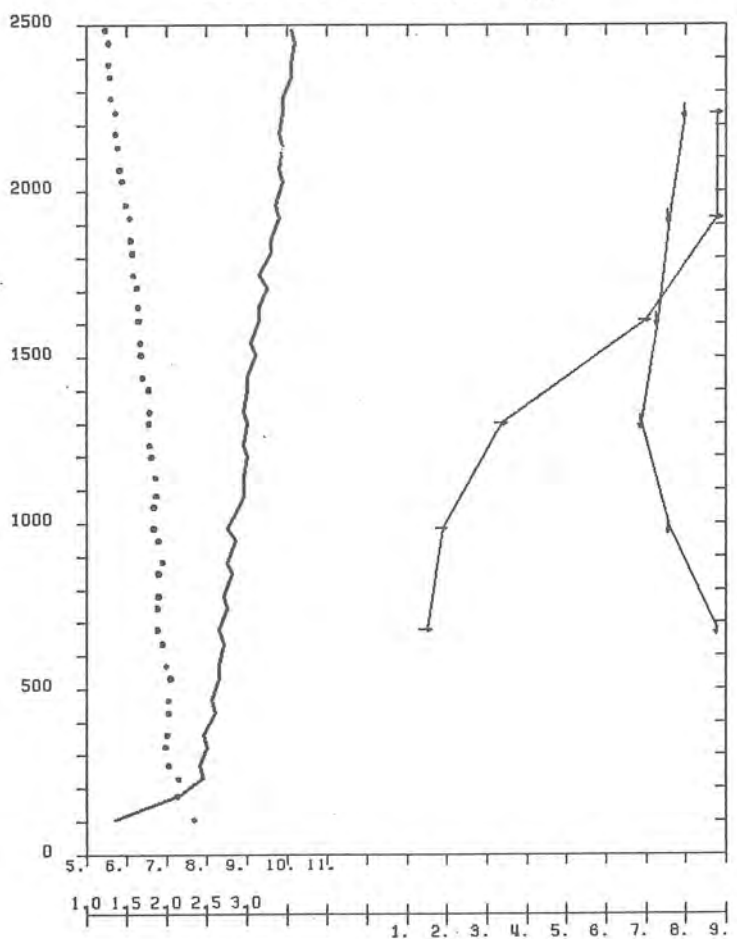
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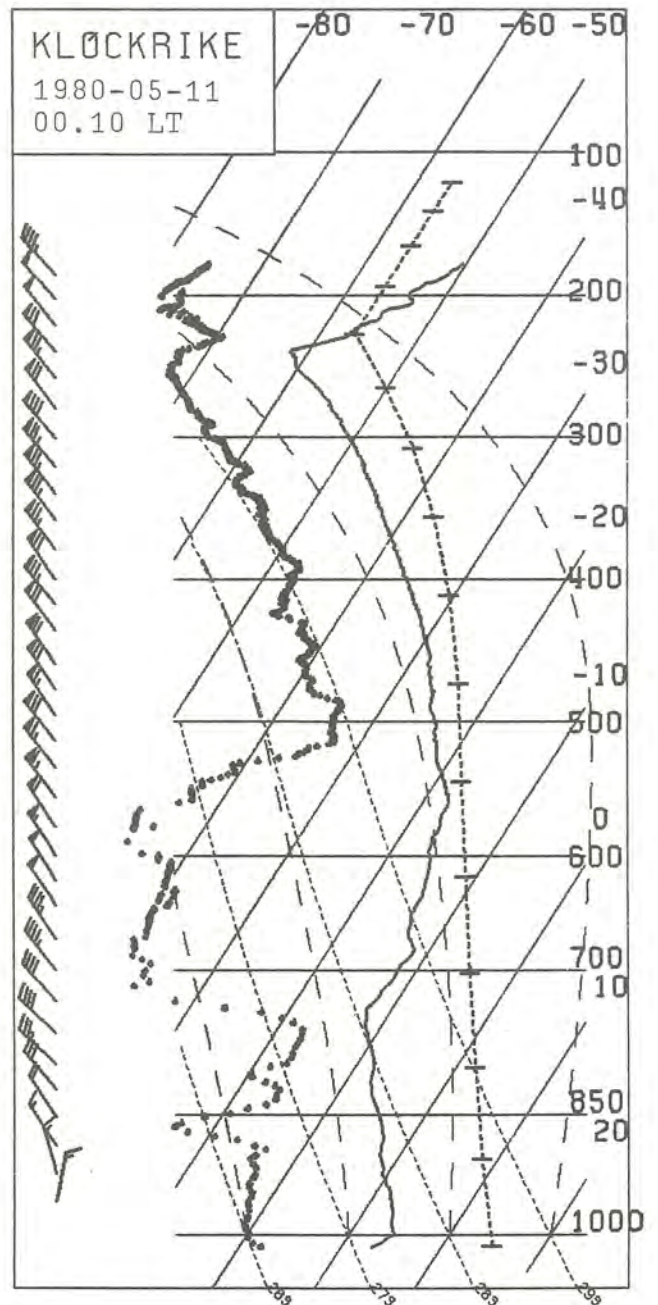
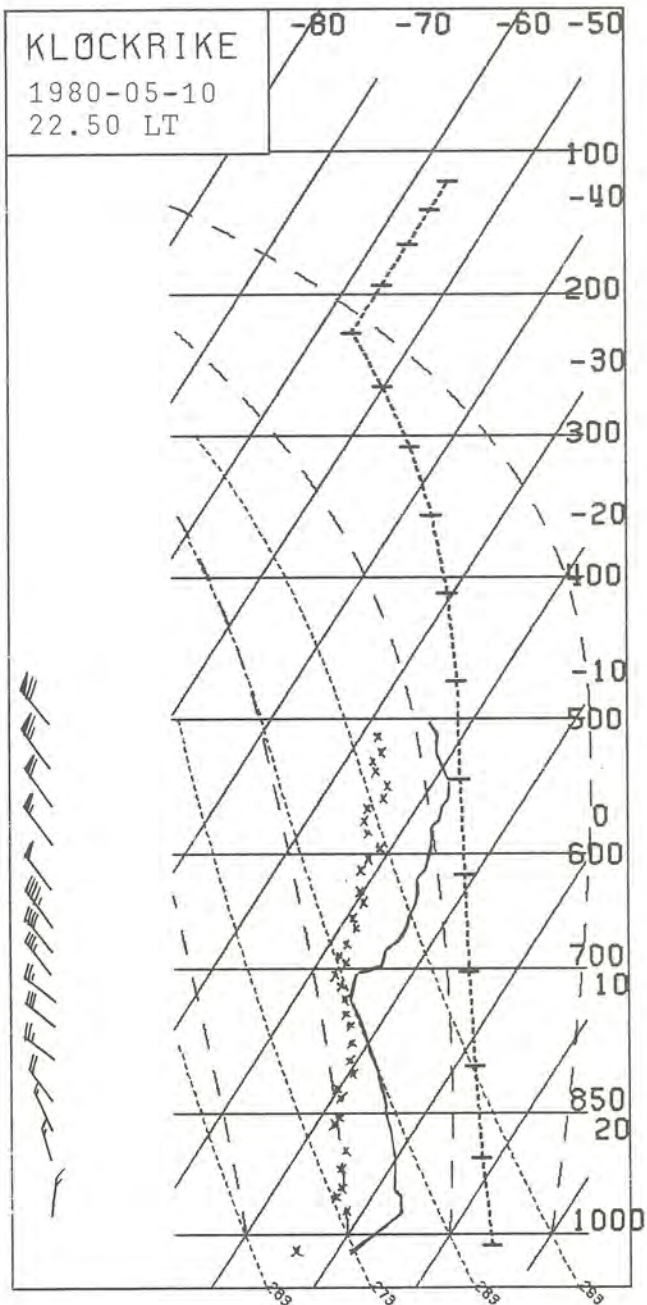
(DEG.C)
(G/KG)
(M/S)

HEIGHT (M)

1980-05-10 20.10 LT

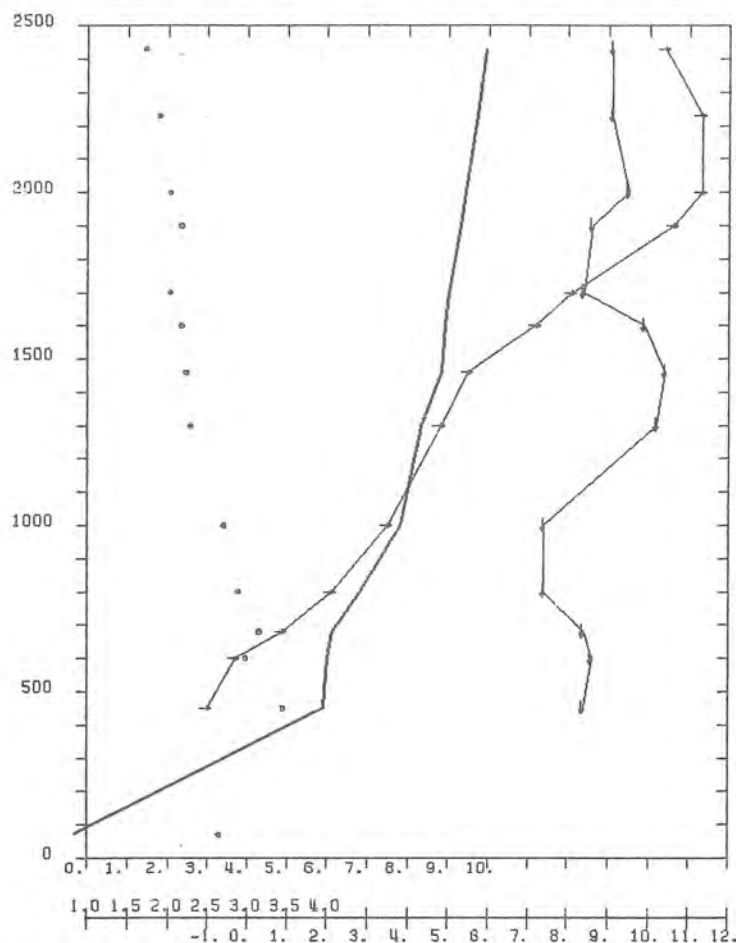


(DEG.C)
(G/KG)
(M/S)



HEIGHT (M)

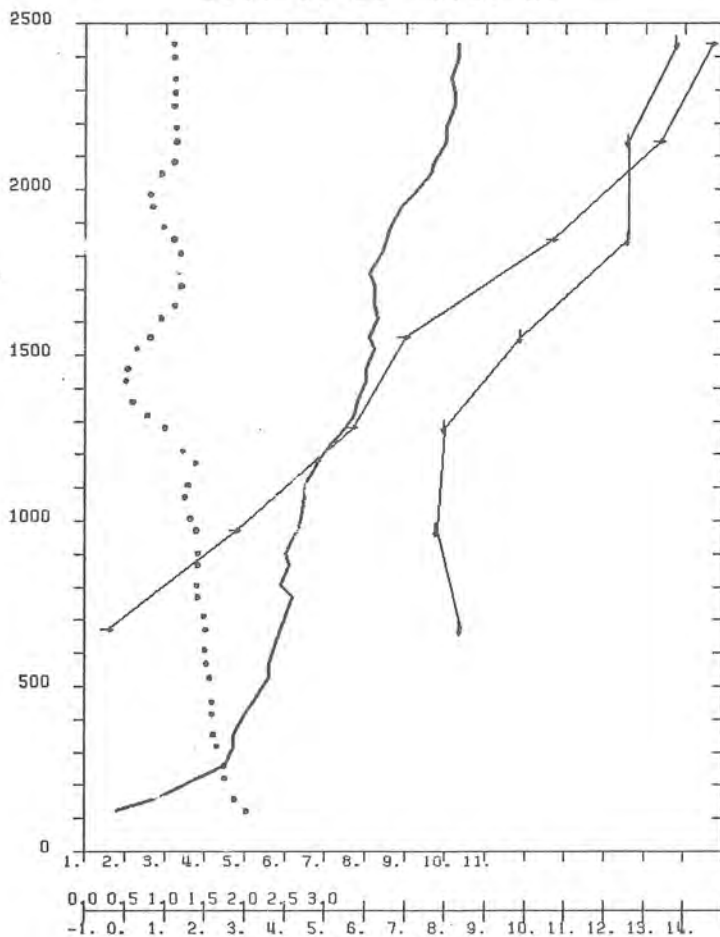
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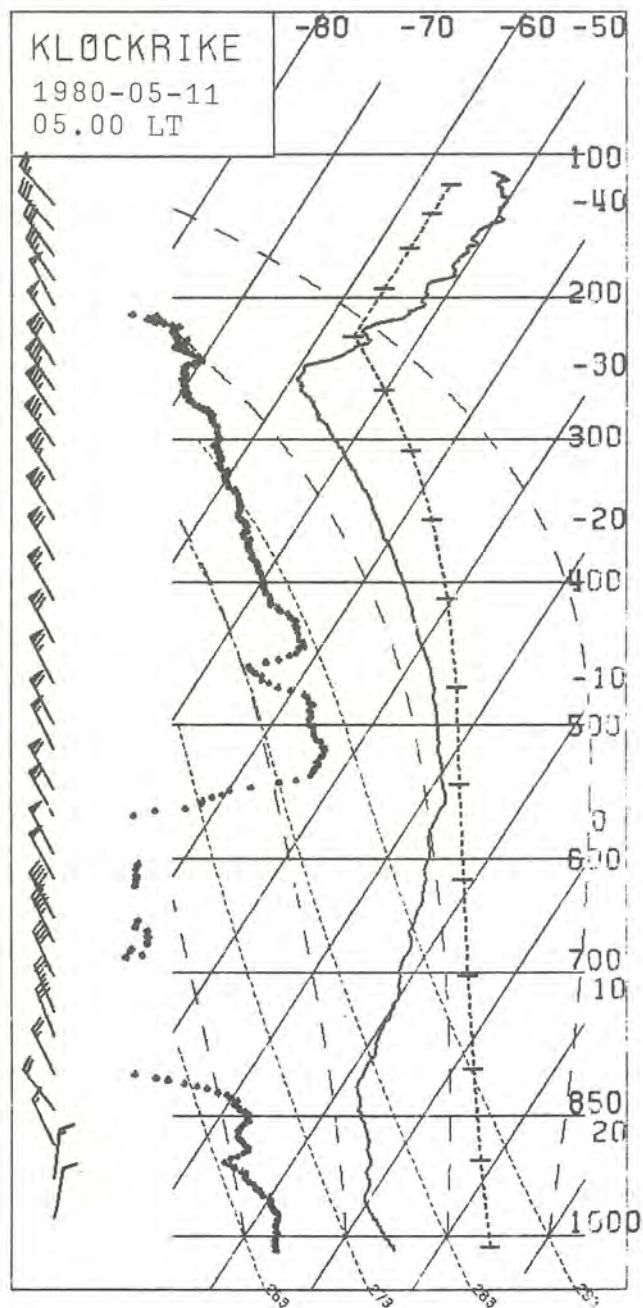
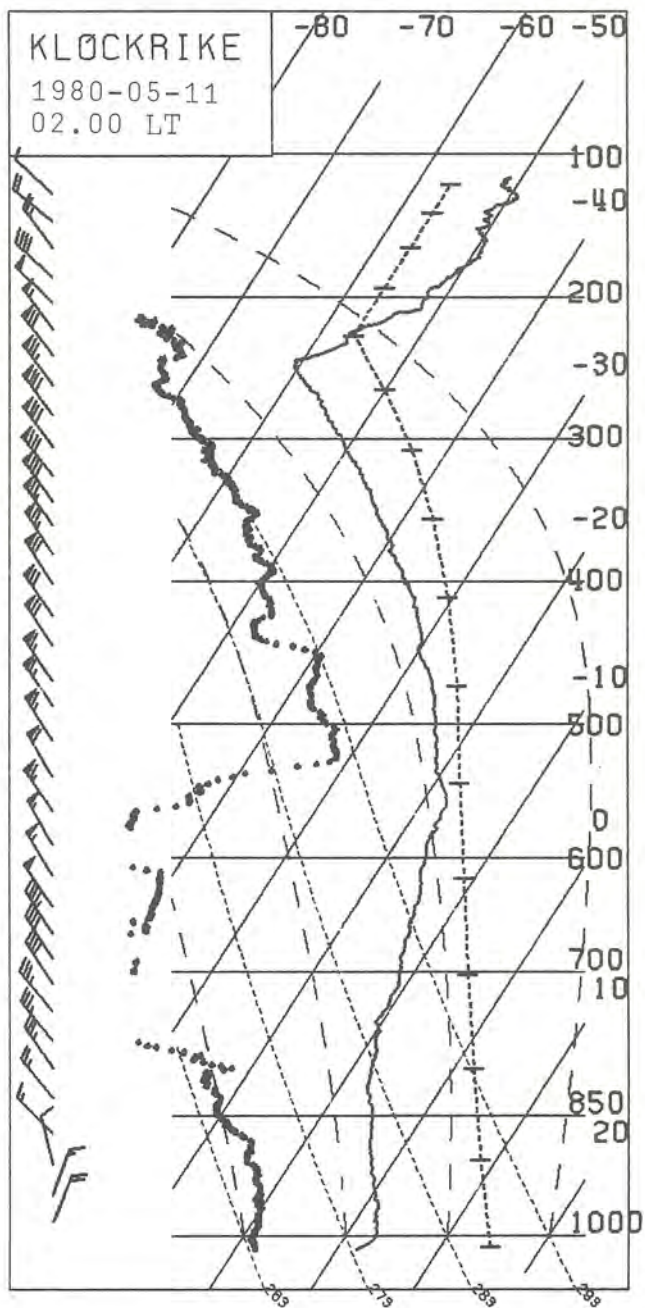
(DEG.C)
(G/KG)
(M/SI)

HEIGHT (M)

1980-05-11 00.10 LT



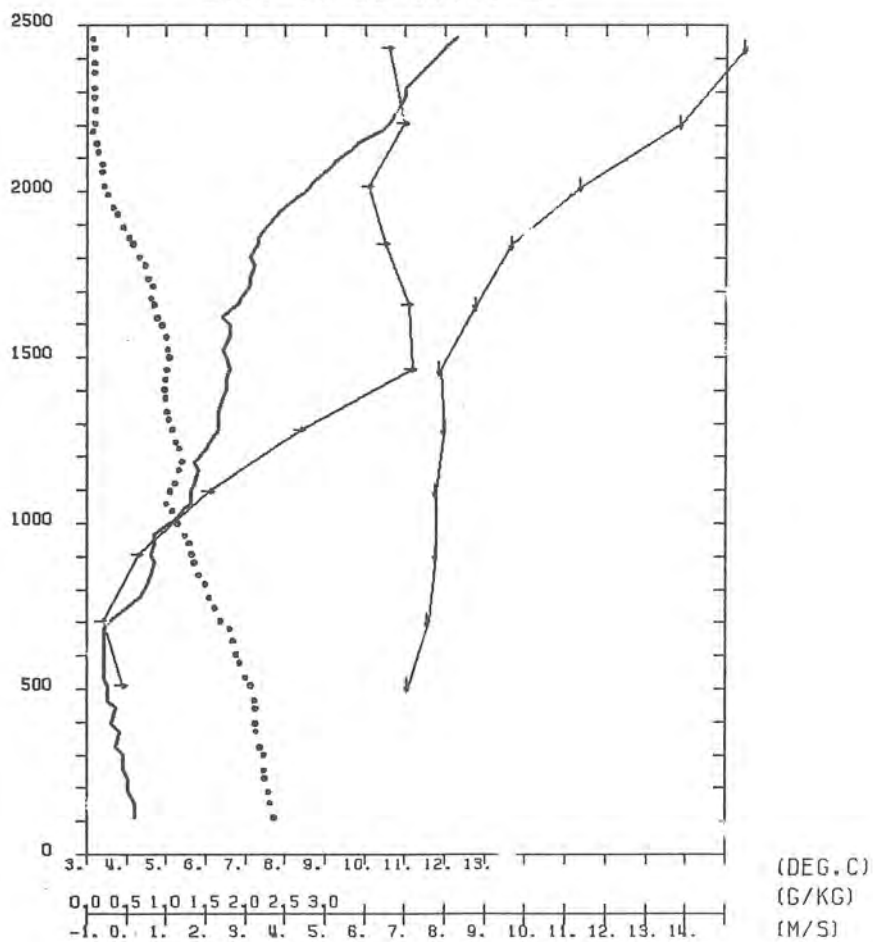
(DEG.C)
(G/KG)
(M/SI)

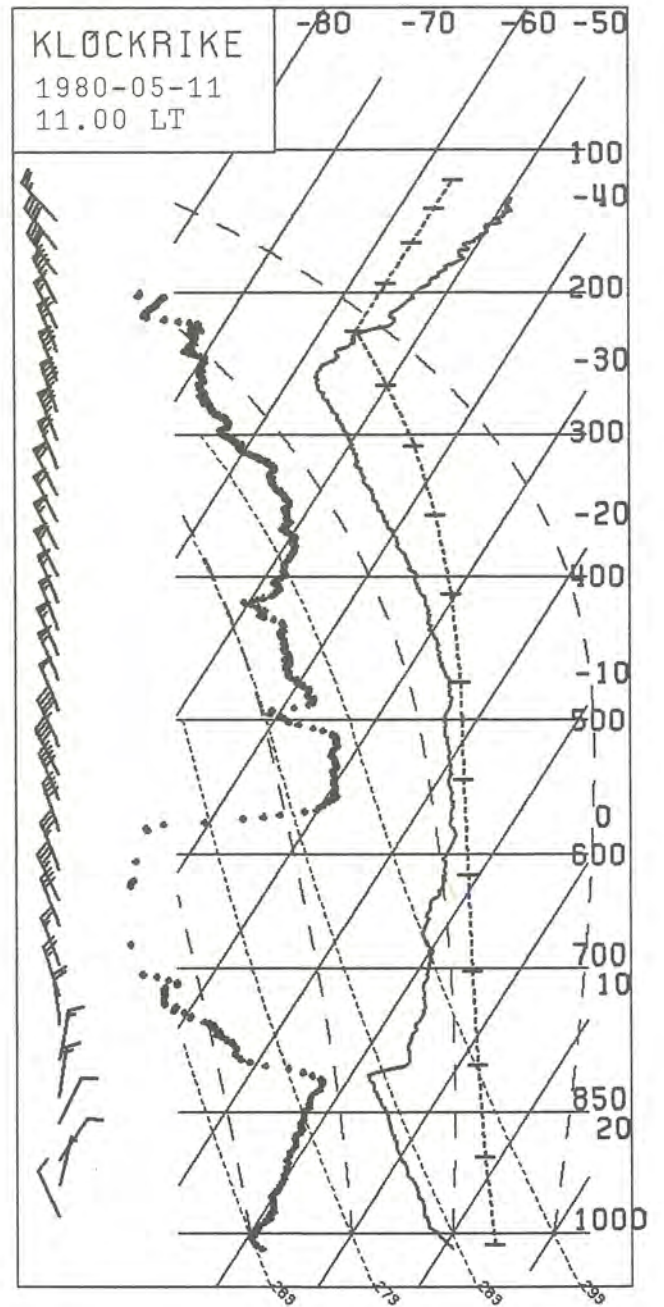
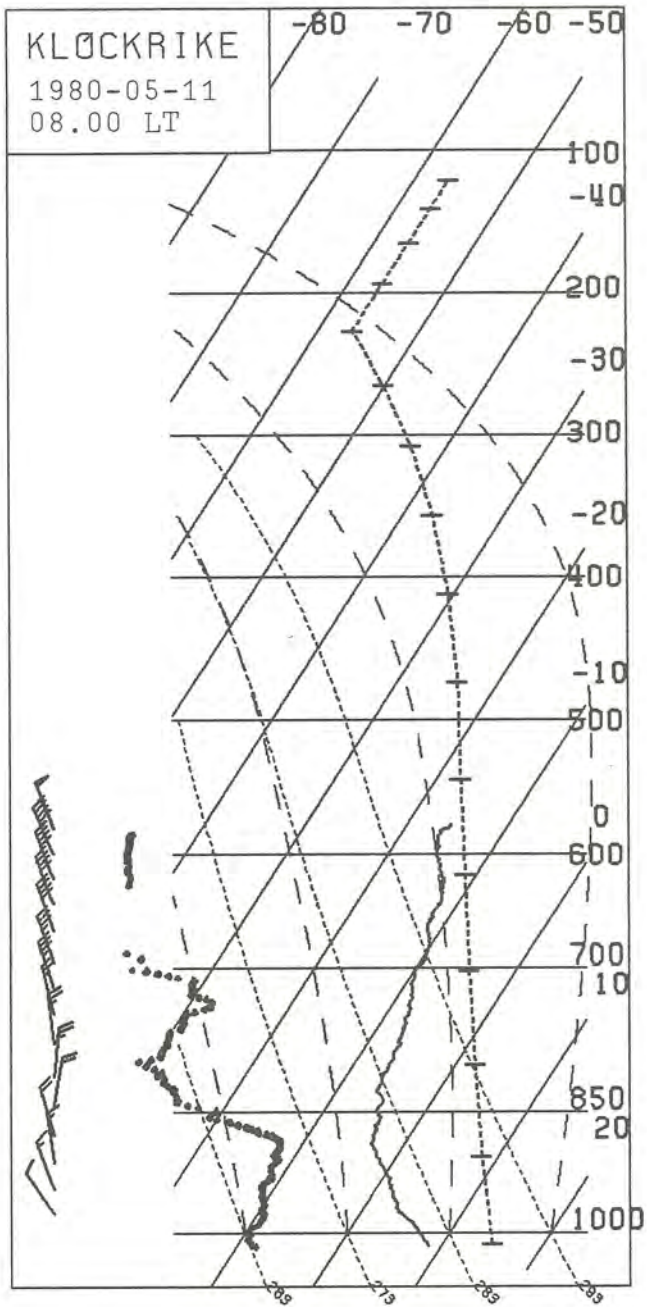


1980-05-11 02.00 LT



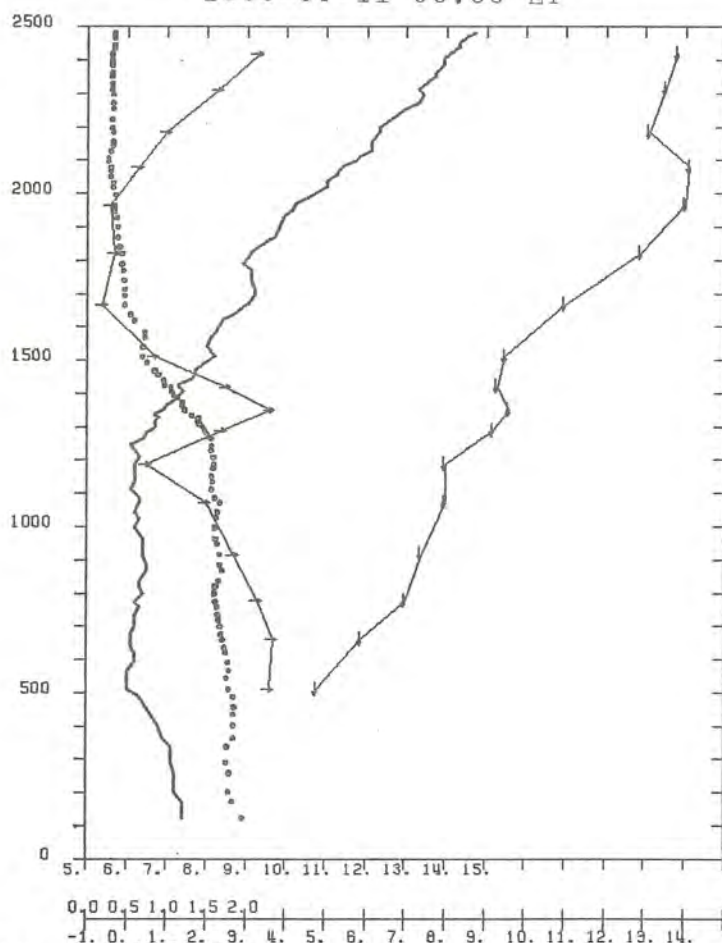
1980-05-11 05.00 LT





HEIGHT (M)

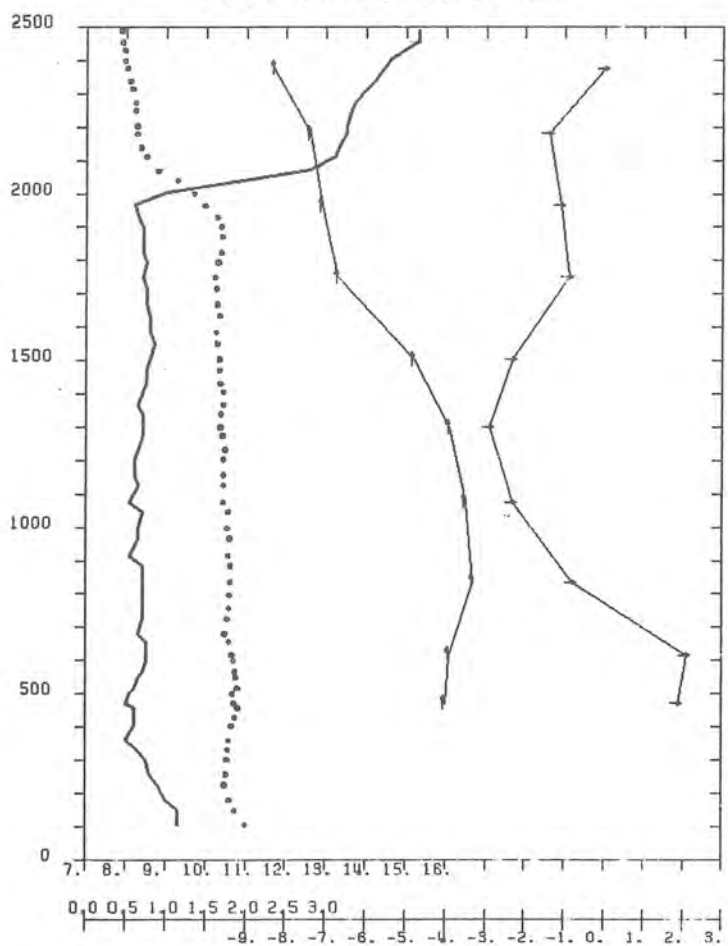
1980-05-11 08.00 LT



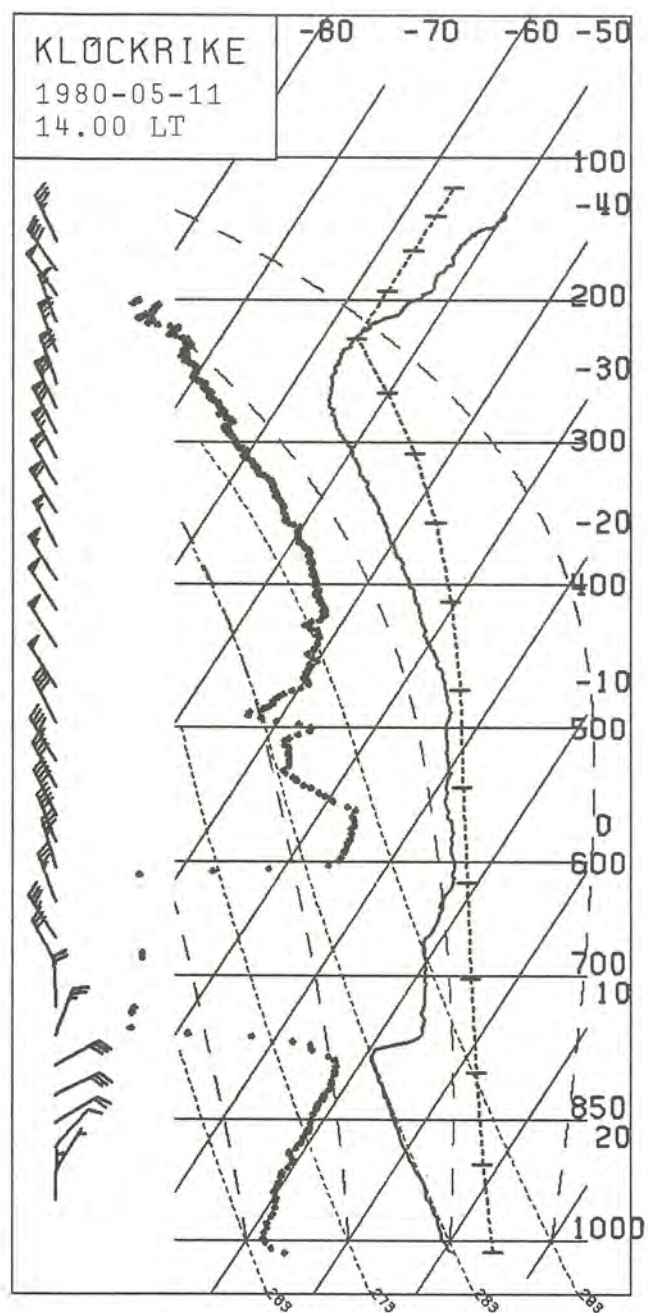
(DEG.C)
(G/KG)
(M/S)

HEIGHT (M)

1980-05-11 11.00 LT

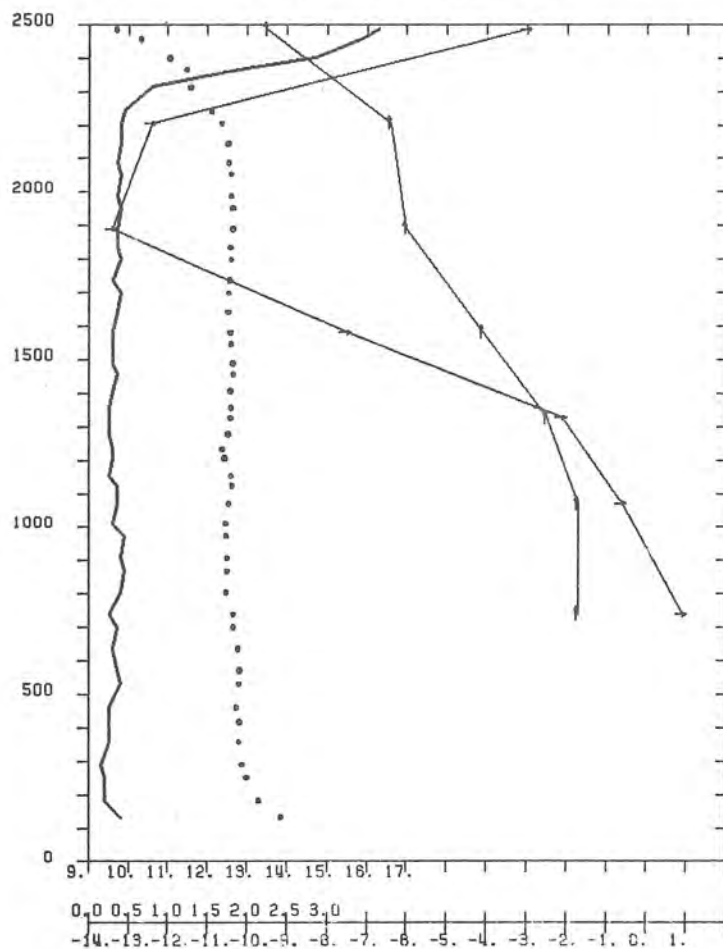


(DEG.C)
(G/KG)
(M/S)



HEIGHT (M)

1980-05-11 14.00 LT



(DEG. C)

(G/KG)

(M/S)

- Nr 1 Thompson, T, Udin, I and Omstedt, A
Sea surface temperatures in waters surrounding Sweden. (1974)
- Nr 2 Bodin, S
Development on an unsteady atmospheric boundary layer model. (1974)
- Nr 3 Moen, L
A multi-level quasi-geostrophic model for short range weather predictions. (1975)
- Nr 4 Holmström, I
Optimization of atmospheric models. (1976)
- Nr 5 Collins, W G,
A parameterization model for calculation of vertical fluxes of momentum due to terrain induced gravity waves. (1976)
- Nr 6 Nyberg, A
On transport of sulphur over the North Atlantic. (1976)
- Nr 7 Lundqvist, J-E and Udin, I
Ice accretion on ships with special emphasis on Baltic conditions. (1977)
- Nr 8 Eriksson, B
Den dagliga och årliga variationen av temperatur, fuktighet och vindhastighet vid några orter i Sverige. (1977)
- Nr 9 Holmström, I and Stokes, J
Statistical forecasting of sea level changes in the Baltic. (1978)
- Nr 10 Omstedt, A and Sahlberg, J
Some results from a joint Swedish-Finnish Sea Ice Experiment, March, 1977. (1978)
- Nr 11 Haag, T
Byggnadsindustrins väderberoende, seminarieuppsats i företagsekonomi, B-nivå. (1978)
- Nr 12 Eriksson, B
Vegetationsperioden i Sverige beräknad från temperaturobservationer. (1978)
- Nr 13 Bodin, S
En numerisk prognosmodell för det atmosfäriska gränsskiktet grundad på den turbulenta energiekvationen.
- Nr 14 Eriksson, B
Temperaturfluktuationer under senaste 100 åren. (1979)
- Nr 15 Udin, I och Mattisson, I
Havsis- och snöinformation ur datorbearbetade satellitdata - en modellstudie. (1979)
- Nr 16 Eriksson, B
Statistisk analys av nederbördsdata. Del I. Arealnederbörd(1979)

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