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The present data report is based on direct turbulence and diffusion measurements performed by Risø National Laboratory during the AMADEUS smoke tests of Project Wind, Phase IV, which took place as a cooperative research-oriented field effort between the U.S. Army Atmospheric Sciences Laboratory (ASL) and the U.S. Department of Agriculture Forest Service (USDAFS) in the Meadow Brook Valley near Red Bluff, California, between 23 September and 7 October 1987. In particular, Risø National Laboratory performed: (1) direct measurements of the surface layer scaling parameters such as heat flux, shear stress, turbulence, and stability measurements at two characteristic locations in the Meadow Brook Valley floor and (2) concurrently obtained documentation of the plume and puff spread based on aerial photography. The present report provides time series plots of the 10-min averaged covariance matrix of u, v, w, and T from the two sonics together with prints of photos taken of the smoke/puff plumes from an aircraft in a form suitable for subsequent model simulation of individual dispersion scenarios. Keywords: Dispersion, Complex terrain, Wind velocity, Atmospheric

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RISØ–M–2718

Project WIND, Phase IV, Dispersion Study: Aerial Smoke Plume Observations And Surface Layer Turbulence Measurements, Part I

T. Mikkelsen, A. Hansen, R.M. Eckman[1], and S. Thykier-Nielsen

Abstract. The present data report contains direct turbulence and diffusion measurements taken by Risø National Laboratory during the AMADEUS smoke tests of Project Wind, Phase IV, which took place as a cooperative research-oriented field effort between the U.S. Army Atmospheric Sciences Laboratory (ASL) and the U.S. Department of Agriculture Forest Service (USDAFS) in the Meadow Brook Valley near Red Bluff, California, between 23 September and 7 October 1987.

In particular, Risø National Laboratory performed (1) direct measurements of the surface layer scaling parameters such as heat flux, shear stress, turbulence, and stability measurements at two characteristic locations in the Meadow Brook Valley floor and (2) concurrently obtained documentation of the plume and puff spread based on aerial photography.

The present report provides time series plots of the 10-min averaged covariance matrix of u, v, w, and T from the two sonics together with prints of photos taken of the smoke/puff plumes from an aircraft in a form suitable for subsequent model simulation of individual dispersion scenarios.

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Risø National Laboratory, DK-4000 Roskilde, Denmark
January 1989

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Dist

A-1

1 Introduction

Aerial photographs of smoke plumes is a relatively inexpensive source of diffusion data. Surface-layer turbulence characteristics are obtainable from operational, on-line sonic-anemometer/thermometer-based data acquisition systems.

We have supported the AMADEUS dispersion study over complex terrain by conducting the two above-mentioned experimental activities in the Meadow Brook Valley, located some 15 miles northeast of Red Bluff, California during the period 23 September through 7 October 1987. The present report organizes the obtained data and pictures in a form suitable for subsequent modelling efforts.

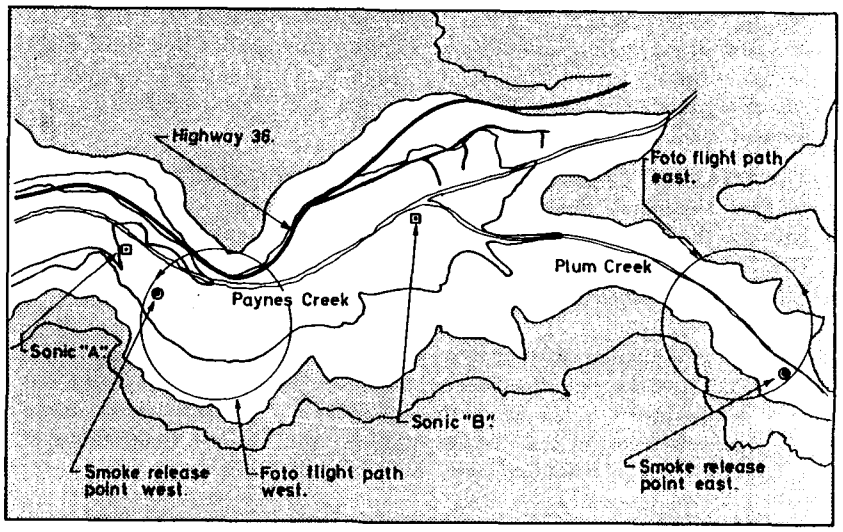
The AMADEUS dispersion study was part of Project WIND (Wind In Nonuniform Domains), Phase IV, a cooperative research-oriented field effort between the U.S. Army Atmospheric Sciences Laboratory (ASL) and the U.S. Department of Agriculture Field Service (USDAFS). In particular, our experimental objectives were set as follows:

1. To mount and operate two sonic anemometers/thermometers, A and B on two 7-m high meteorological masts, for measuring velocity and temperature signals above the valley floor – and from these obtain measurements of the 10-min averaged mean, variances, and fluxes of wind speed, turbulence level, shear, and heat flux.

   Sonic A was located immediately upwind (down-valley) from the daytime smoke emission point, see Fig. 1.

   Sonic B (see Fig. 1) was located in the central part of the valley near the command post, see Fig. 1.

2. A small general-aviation airplane was operated over the experimental site to obtain instantaneous observations of the plume dispersion, and to document the flow and dispersion pattern on photographs.



AMADEUS Experimental Area.

Figure 1: The AMADEUS experimental area.

2 Status

The present is the first of two data reports based on turbulence measurements and aerial plume photographs obtained during the Project WIND, Phase IV, AMADEUS experiments.

2.1 Sonic measurements

Sonic A was in operation during daytime (up-valley) smoke and tracer release trails.

Sonic B (central-valley) was in continuous operation through the ~400-hour experimental campaign lasting from 20 September through 5 October 1987.

Figures 2, 3, and 4 plot the temperature, wind speed, and direction measured by sonic B. There is a profound daily cycle in these signals, showing up-valley winds at daytime and down-valley night-time drainage. The temperature signal speaks for itself! The periodicity is amazing.

Data from the sonics, which are processed into some 20,000 10-min averaged surface layer scaling parameters by the method described in Mortensen et al. (1987), are contained in Appendices A, B, C, and D. Appendices A and B contain time series plots of the following surface layer parameters:

1.	mean wind speed	$\bar{u}$	[m/s]
2.	mean direction	$\bar{D}$	[degrees]
3.	mean temperature	$\bar{T}$	[°C]
4.	total energy[1]	e	[m^2/s^2]
5.	stress[2]	u_*	[m/s]
6.	total heat flux[3]	H	[watt/m^2]
7.	stability parameter[4]	$\xi \equiv \frac{z}{L}$	

measured at 7-m height above the valley floor with sonic A and B, respectively.

note[1] : $e \equiv \frac{1}{2}(\overline{u'^2} + \overline{v'^2} + \overline{w'^2})$

note[2] : $u_*^2 \equiv (\overline{u'w'}^2 + \overline{v'w'}^2)^{1/2}$

note[3] : $H \equiv \rho c_p \overline{w'T'}$

note[4] : $L = -\frac{T u_*^3}{kg\, \overline{w'T'}}$

Appendices C and D hold the corresponding values in tabular form. Note that the time group *scan start* is the time of start for the following 10-min

averaged period. Also note that the data-acquisition scan rate is 1 sec (600 readings per channel each 10-min period) and that ***point sampling and hold*** (no averaging of the sonic signals) have been applied.

2.2 Aerial photography

Approximately some 350 35-mm photos were taken from the aircraft which now serve as documentation of 10 successfully conducted smoke trials. Five of these were taken during unstable (daytime) conditions, the remaining five during stable (early morning) trials. Four trials were not supported by photographing: two trials are missing due to problems with the M3A4 smoke generator, two trials were conducted at night-time with insufficient light for aerial photography.

In Appendix E are enclosed contact prints of the original negatives from the smoke trials together with our log report on the experiments. Although not evident from the Xerox copies enclosed in Appendix I, the raw films are of very high quality and applicable for sufficient enlargement. In addition, each picture is provided with the exact timing of exposure (year, day, hour, min, sec).

Using a 50-mm lens, photographs were taken during daytime at a height of 2000 ft. and during night-time (early morning) at a height of 3000 ft above the smoke emission point. At this point the original negatives have been handed over to the ASL. Ten of these aerial photographs have been enlarged and appear as Figs. 5 through Fig. 14. They demonstrate the vast difference in the flow and diffusion pattern between day and night trials encountered during the AMADEUS experiments:

Figs. 5–7 represent the daytime up-valley diffusion – or rather convection. In Fig. 7 the plume shadow indicates that the plume is caught in a strong vertical updraft.

The photographs shown in Figs. 8 and 9 were taken during relatively strong winds (> 5 m/s) on 26 September and resemble more near-neutral plume behaviour, note that the plume keeps ground contact at extensive downwind distances.

During the unstable daytime trials it is difficult to see any significance of the orography on the dispersion process – at least on the ~1-km scale of downwind diffusion observable from the aircraft.

The photographs shown in Figs. 10 through 14 were taken during early-morning stable down-valley drainage flow situations:

Figure 10 shows a typical drainage flow-dispersion situation where the plume is heavily influenced by the terrain because the flow follows the curvature and shape of the valley. Even though very stably stratified, the horizontal diffusion is very large - probably due to shear and turbulence created in the canopy.

Figure 11 shows the plume climbing over the bank of the valley - a relatively rare event, but possibly caused by large-scale temporal undulations in the flow field (grativity wave?).

In Fig. 12 the stable plume is leaving Plum Creek Valley and is spilling into the bigger Meadow Brook Valley where it will stick to the south bank at first and later gradually dilute and fill in the entire valley (Figs. 13 and 14).

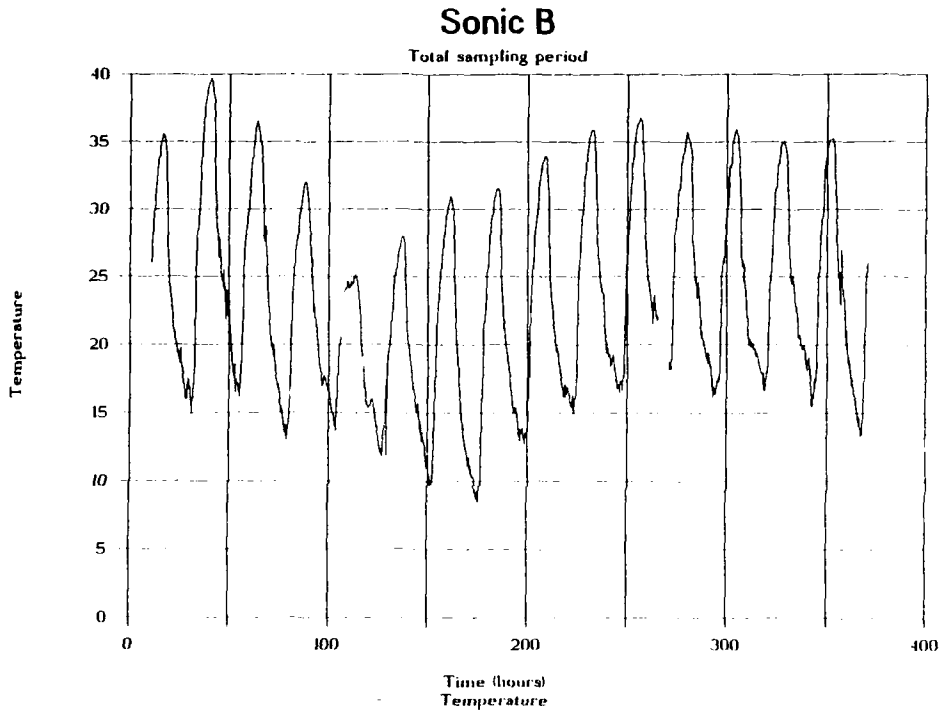


Figure 2: Daily temperature variation.

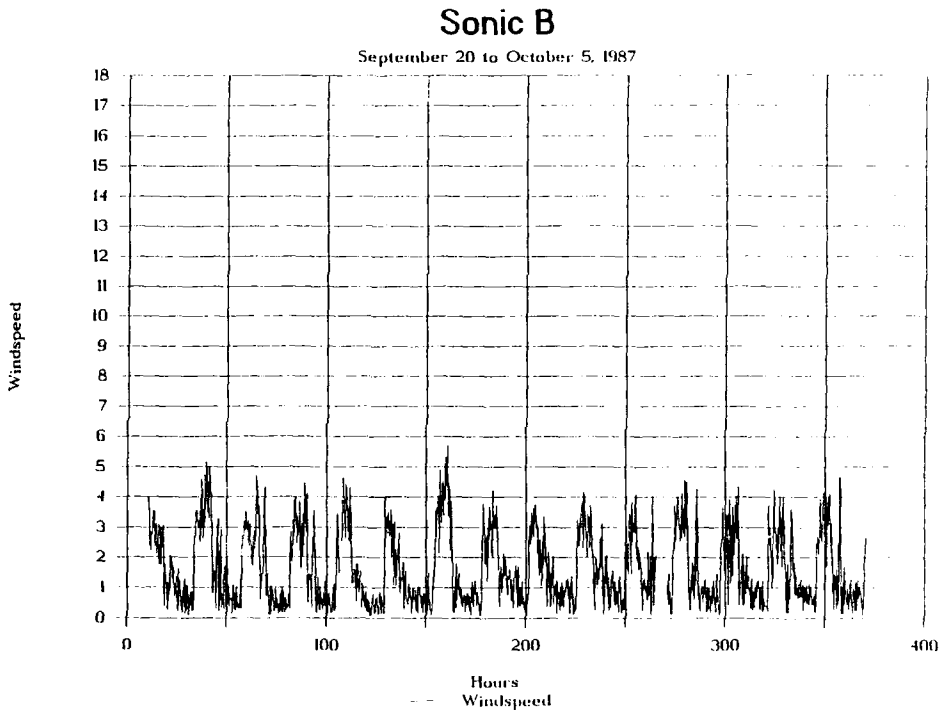


Figure 3: Daily wind speed variation.

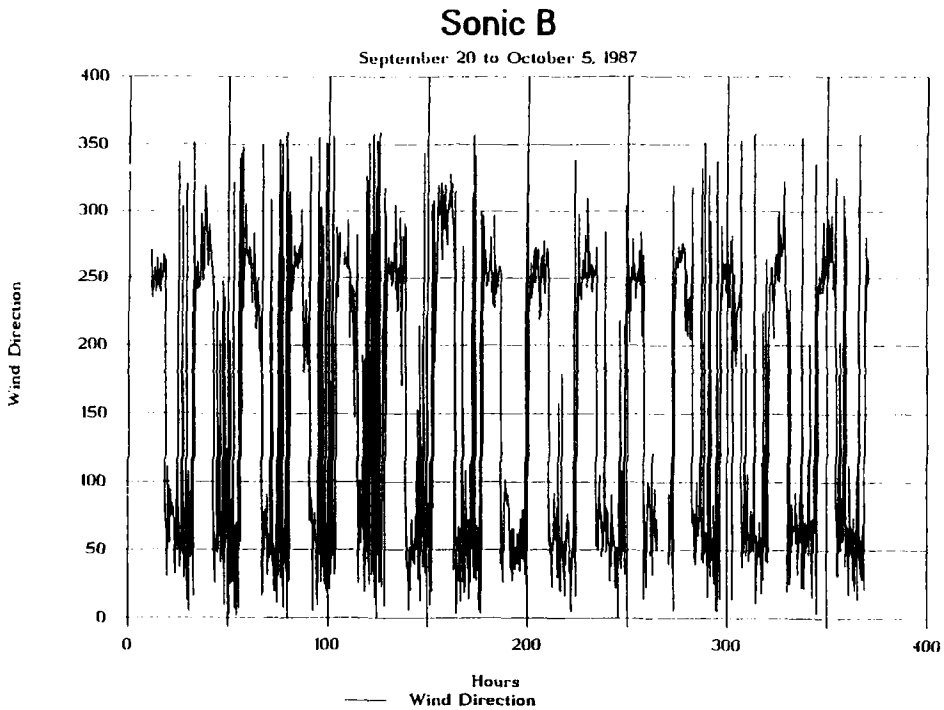


Figure 4: Daily wind direction variation.

Figure 5: Up-valley flow/unstable convection, plate No. 5, picture No. 10.

Figure 6: Up-valley flow/unstable convection, plate No. 11, picture No. 17.

Figure 7: Up-valley flow/the plume is caught in updraft, plate No. 9, picture No. 15.

Figure 8: Up-valley flow/strong wind near-neutral, plate No. 2, picture No. 23.

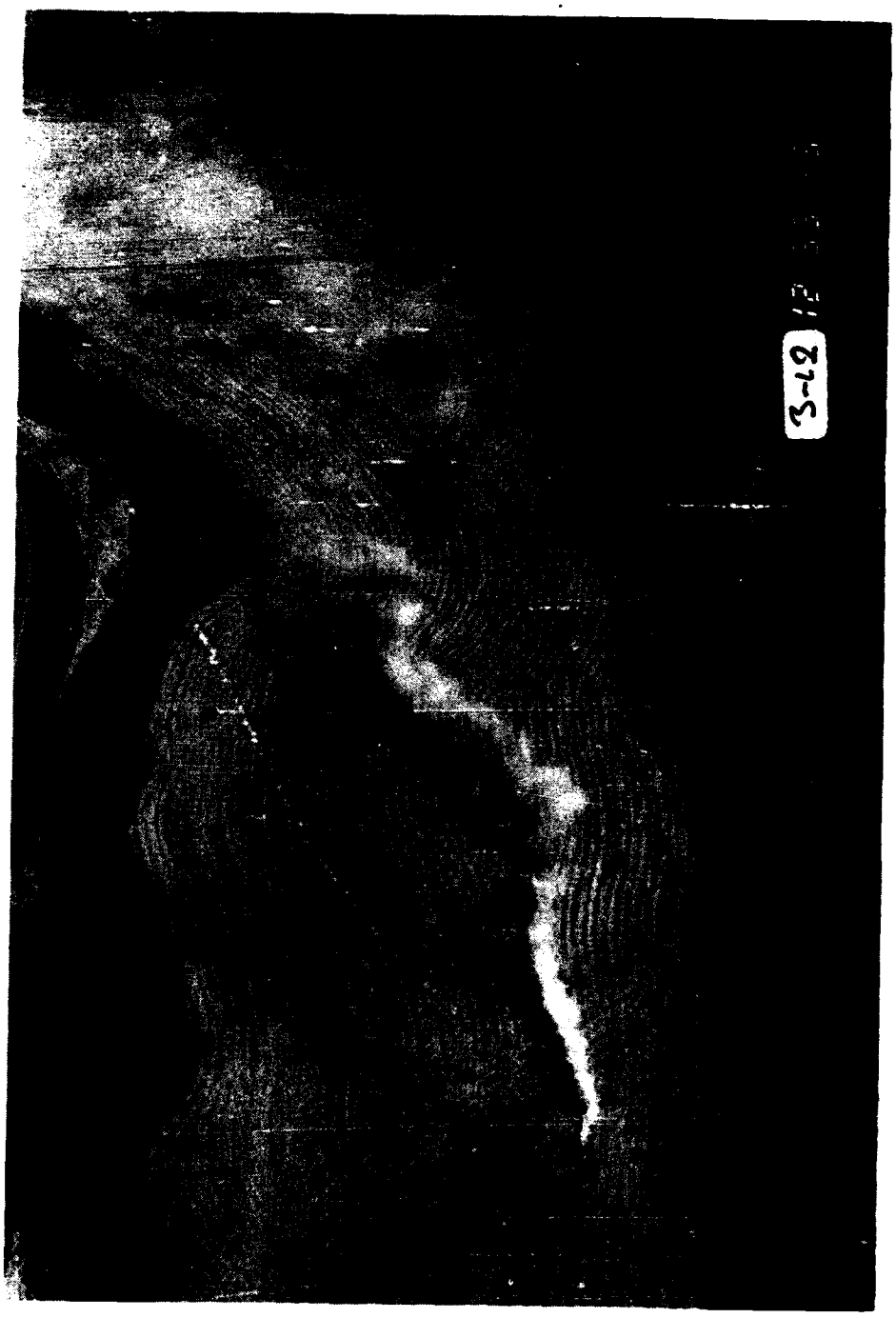


Figure 9: Up-valley flow/strong wind near-neutral as in Fig. 5, half an hour later, plate No. 3, picture No. 12.

Figure 10: Early morning drainage flow (down-valley), stable, plate No. 10, picture No. 21.

Figure 11: Drainage flow as in Fig. 7 – the plume meanders the valley bank, plate No. 7, picture No. 22.

Figure 12: Drainage flow. The plume leaves Plum Creek and spills into the bigger Meadow Brook Valley, plate No. 6, picture No. 16.

Figure 13: Drainage flow. The plume enters Meadow Brook Valley and dilutes, plate No. 8, picture No. 5.

Figure 14: Drainage flow continued – as in Fig. 10. Note that the plume sticks to the southern side of the valley because of cold air being drained into the valley from the left, plate No. 8, picture No. 6.

3 Future work

The work is continuing at Risø National Laboratory (Denmark) to extend the already completed statistical analysis of the sonic anemometer measurements, based on 10-min average quantitites, to additionally include:

1. Time series plots of analog-recorded wind and temperature signals
2. Mean wind, direction, turbulence level, shear stress, and heat flux based on short averaging times (1–5 min).
3. Spectral analysis of the measured wind and temperature signals.

This additional analysis has been judged important to the overall AMADEUS experiments with respect to the following:

1. To gain deeper insight in the fine-scale temporal evaluation of the boundary layer flow and turbulence at the Madow Brook Valley floor during each of the successful SF_6 and smoke diffusion experiments.
2. To identify the most energetic turbulence scales (spectral values) responsible for the exchange and diffusion processes measured.
3. To provide detailed turbulence statistics for use in subsequent, model simulation of the individual experiments.

While the already calculated 10-min averaged statistical quantities were digitized and processed on-line during the AMADEUS experiments, the extension will require the FM analog-recorded sonic signals of the three wind components, u, v, w and temperature T, to be:

1. rapidly digitized and block-averaged into 20-Hz sampled raw-data time series
2. plotted as time series for full-quality assurance of the raw data
3. processed into 1-min averaged mean and turbulence quantitites, including energy, heat flux, and shear stress
4. processed into normalized velocity component spectra of u, v, w, and normalized temperature spectra.

Consequently, a second and more detailed data report on the sonic turbulence measurements will become available during 1989.

Acknowledgement

The authors gratefully acknowledge senior meteorologist, AMADEUS project manager Ronald M. Cionco of the Atmosphere Sciences Laboratory together with Mr. Jerry C. Comati, the U.S. Army Research, Development and Standardization Group–UK, for facilitating our participation in the AMADEUS smoke diffusion tests. The work was sponsored by the U.S. Army Research Development and Standardization Group–UK under Contract No. DAJA45–87–M–0475.

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Mortensen, N.G., Larsen, S.E., Troen, I, and Mikkelsen, T. (1986). Two-years-worth of turbulence data recorded by a sonic-anemometer-based data acquisition system. Sixth Symposium on Meteorological Observations and Instrumentation, 12–16 January 1987, New Orleans, LA, U.S.A.

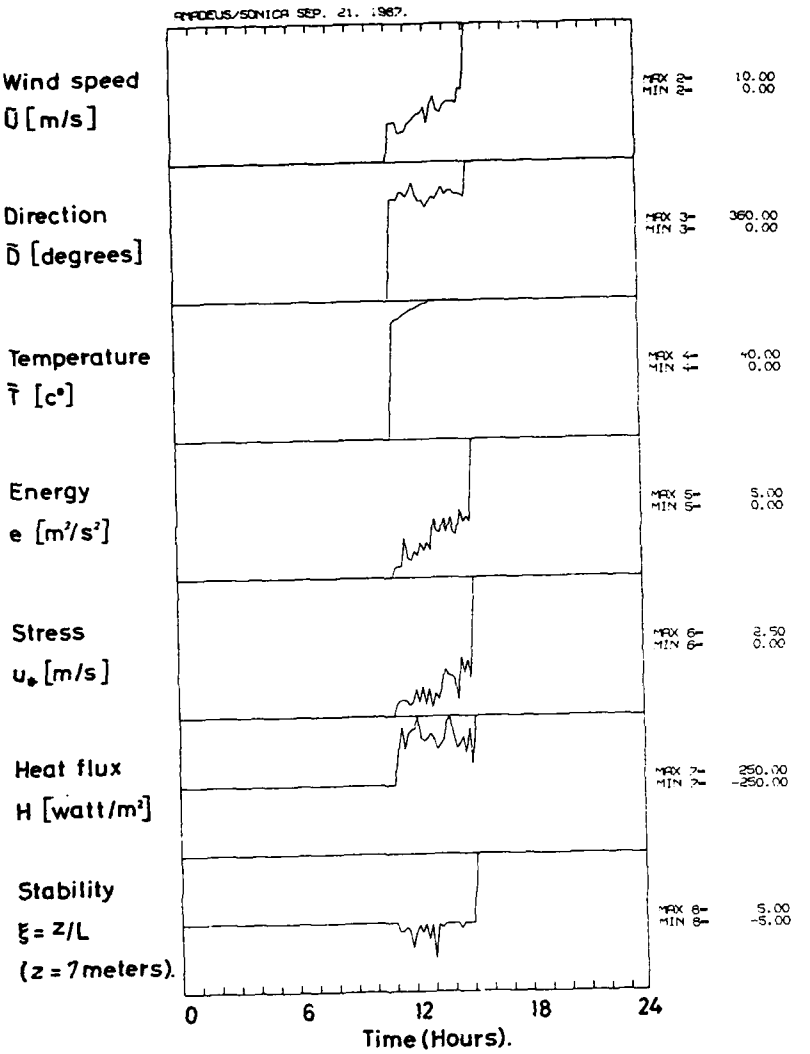
Appendix A

Time series plots from sonic A:

Sampling time per data point	:	10 min
Scanning frequency	:	1 Hz
Height of measurement	:	7.0 m
Sonic anemometer	:	Kaijo Denki Type DAT-300 with probe TR61A (scientific type)

Data acquisition:

Voltmeter	:	Hewlett Packard type 3421A
Controller	:	Hewlett Packard HP85B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Temperature
T̄ [c°]
MAX 4= 40.00
MIN 4= 0.00
Energy
e [m²/s²]
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MIN 5= 0.00
Stress
u* [m/s]
MAX 6= 2.50
MIN 6= 0.00
Heat flux
H [watt/m²]
MAX 7= 250.00
MIN 7= -250.00
Stability
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(z = 7 meters).
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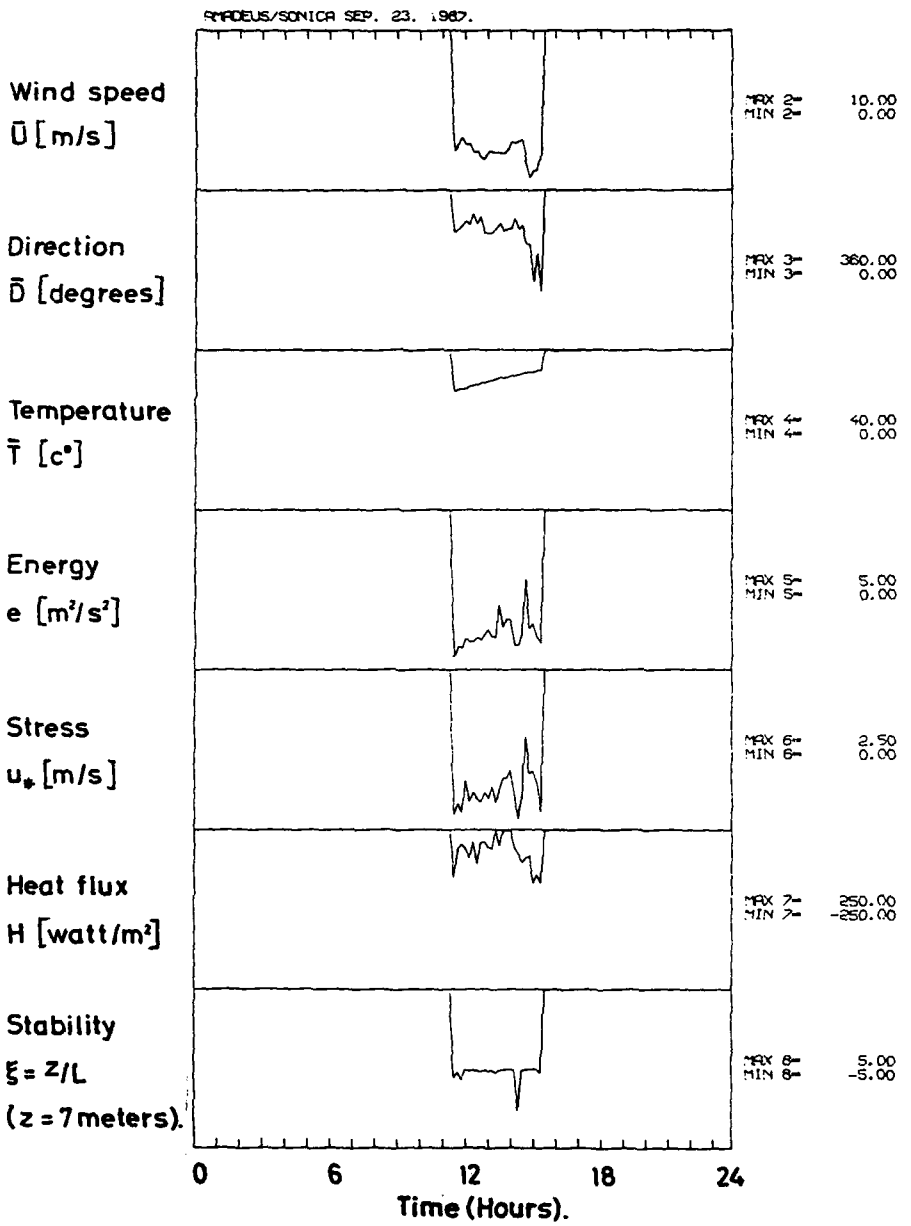
6
12
18
24
Time (Hours).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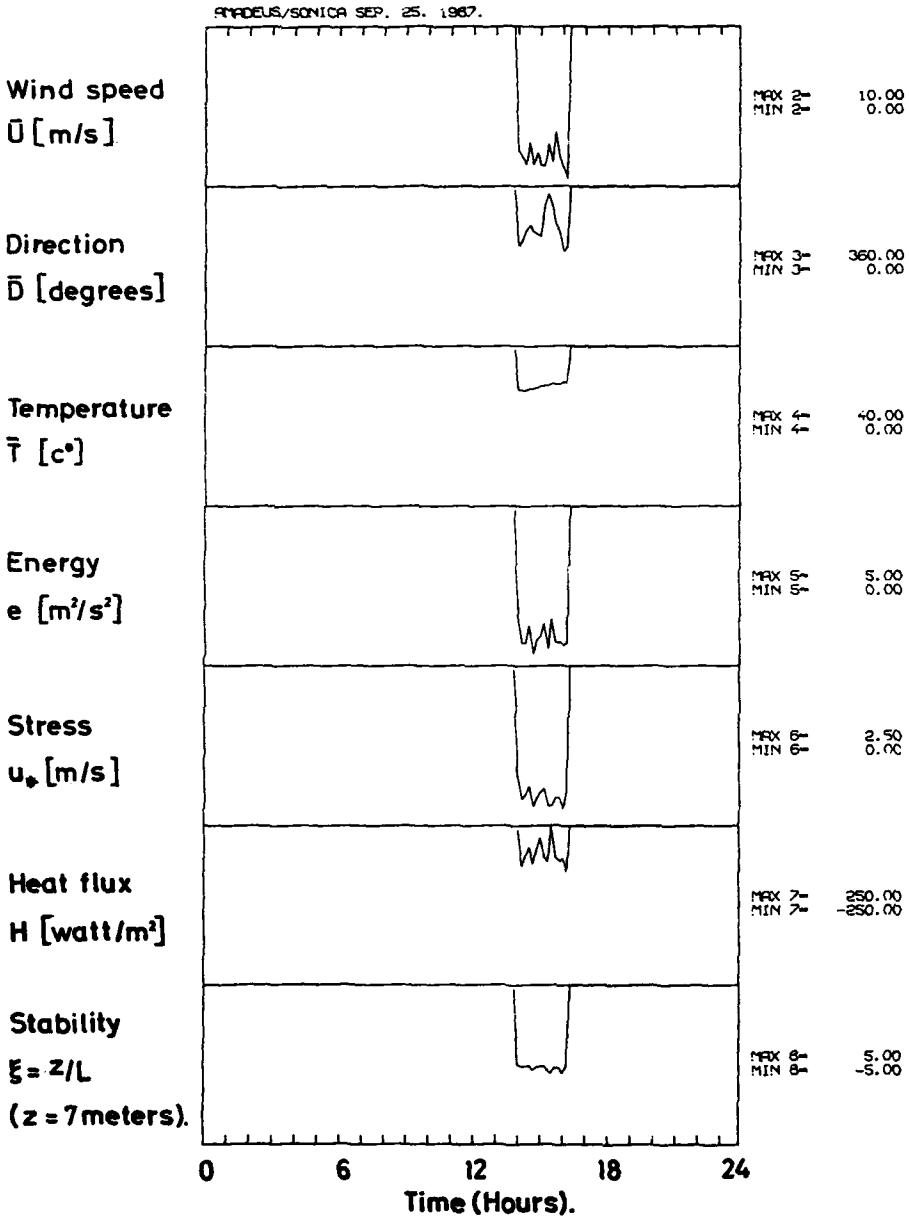
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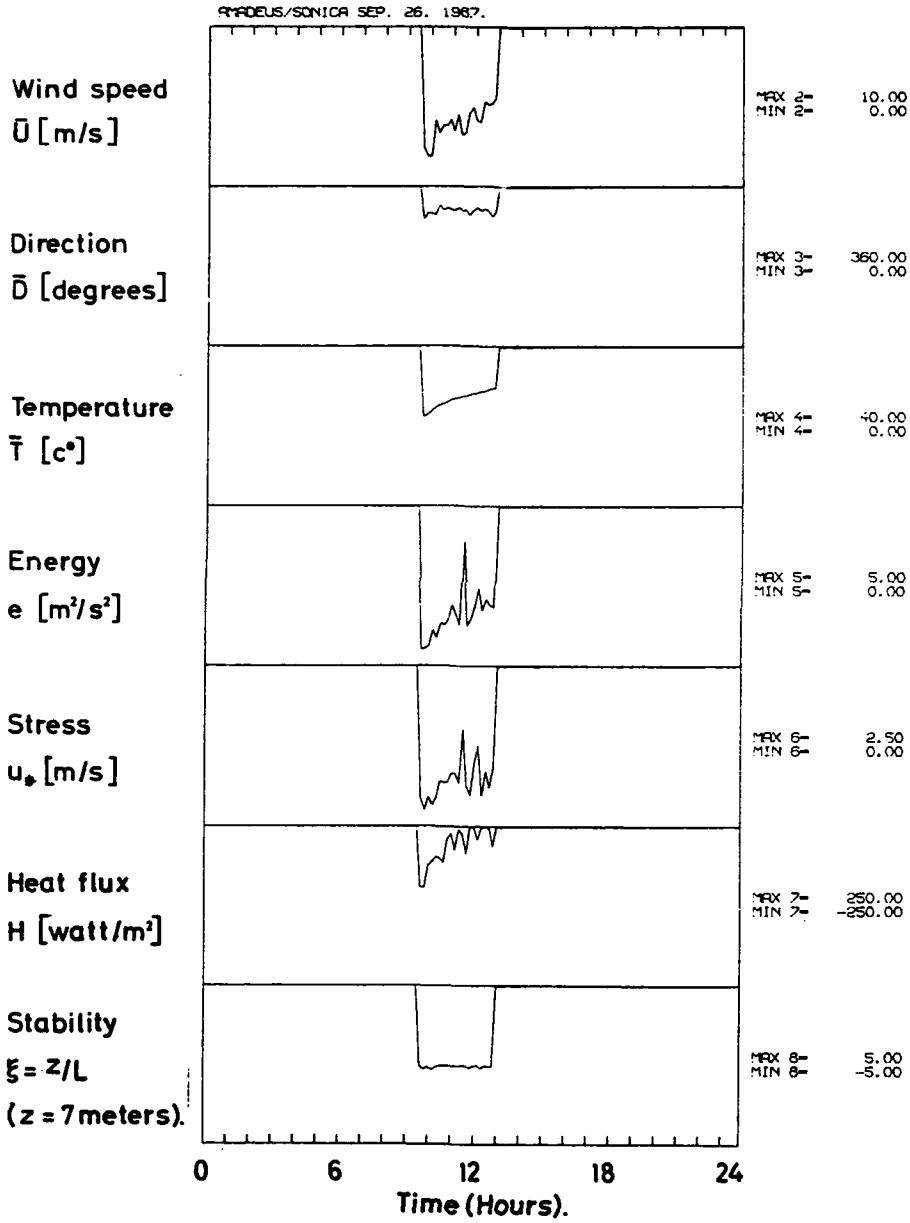
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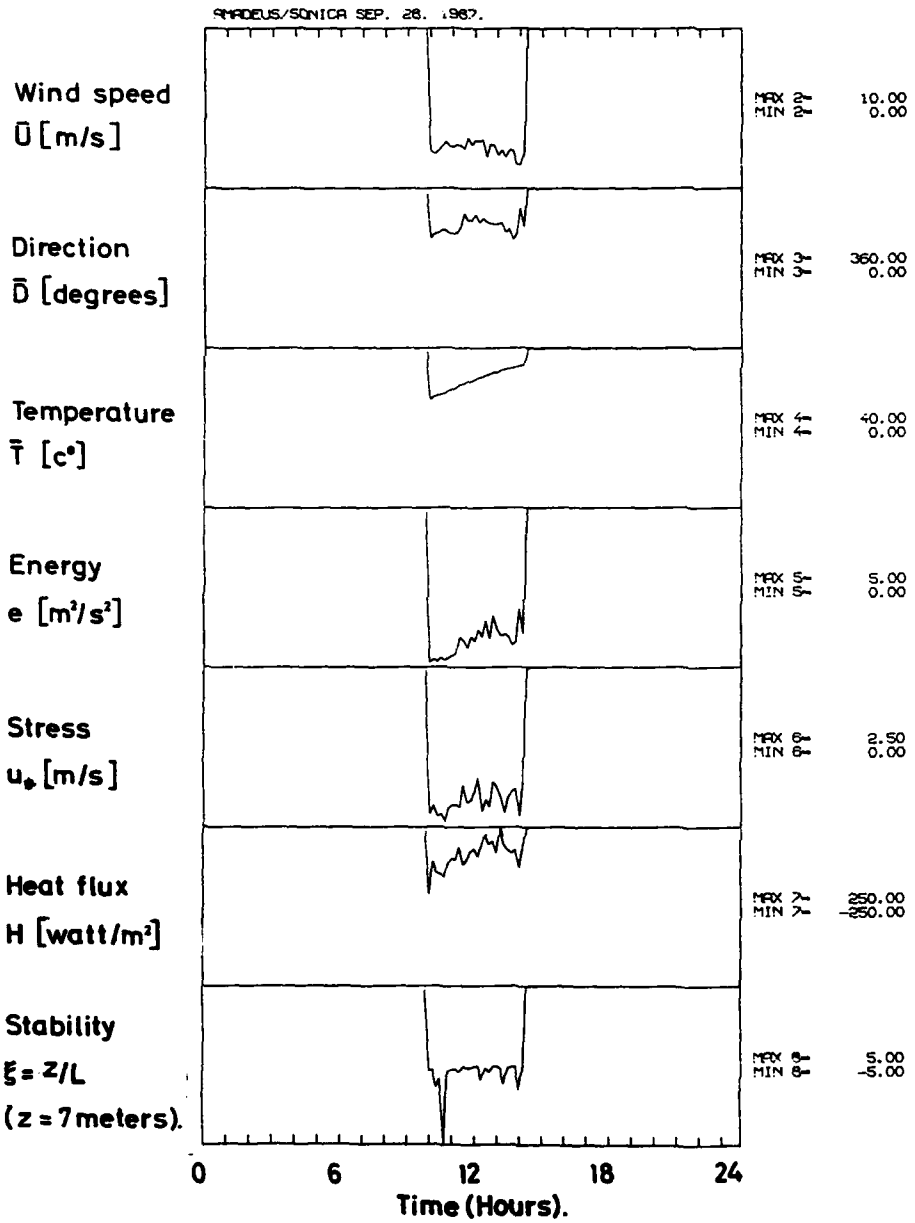
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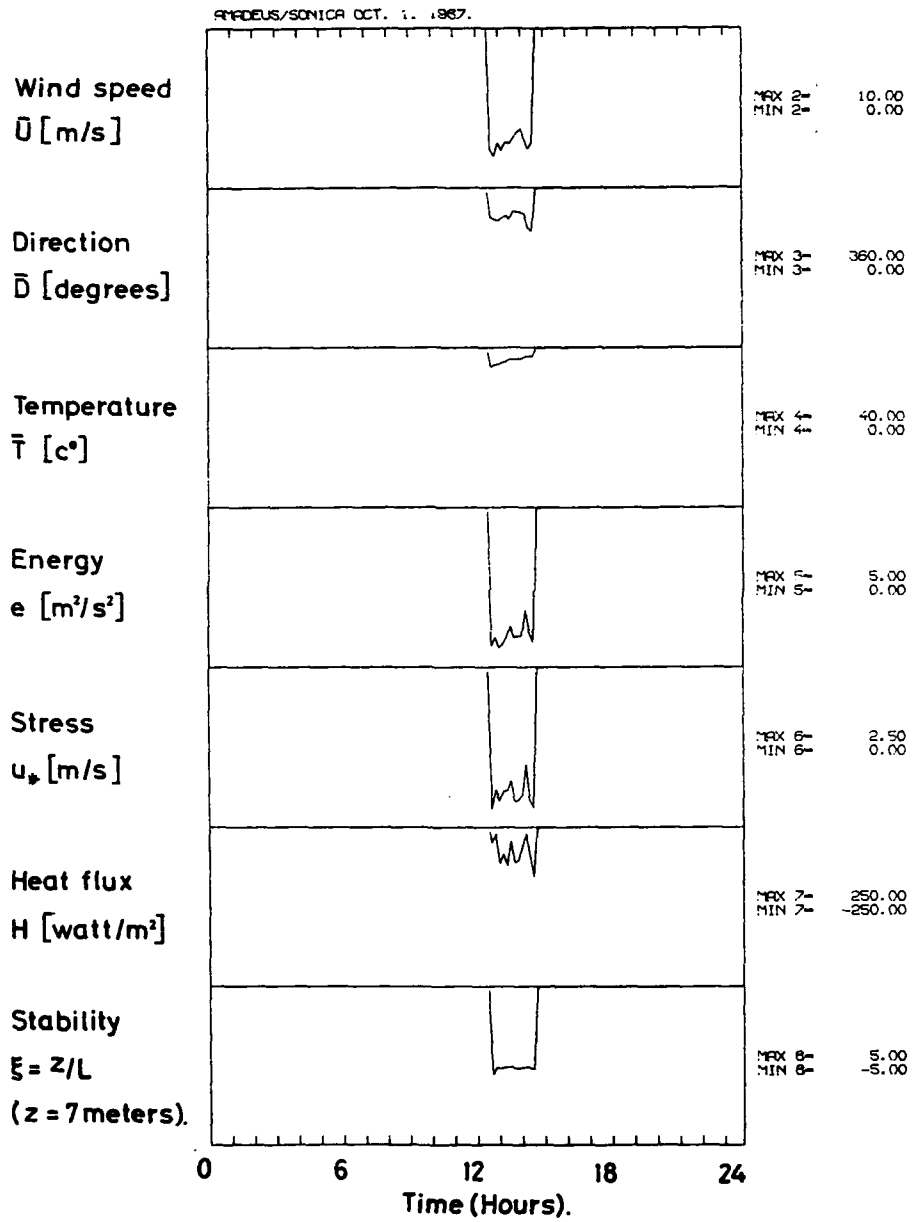
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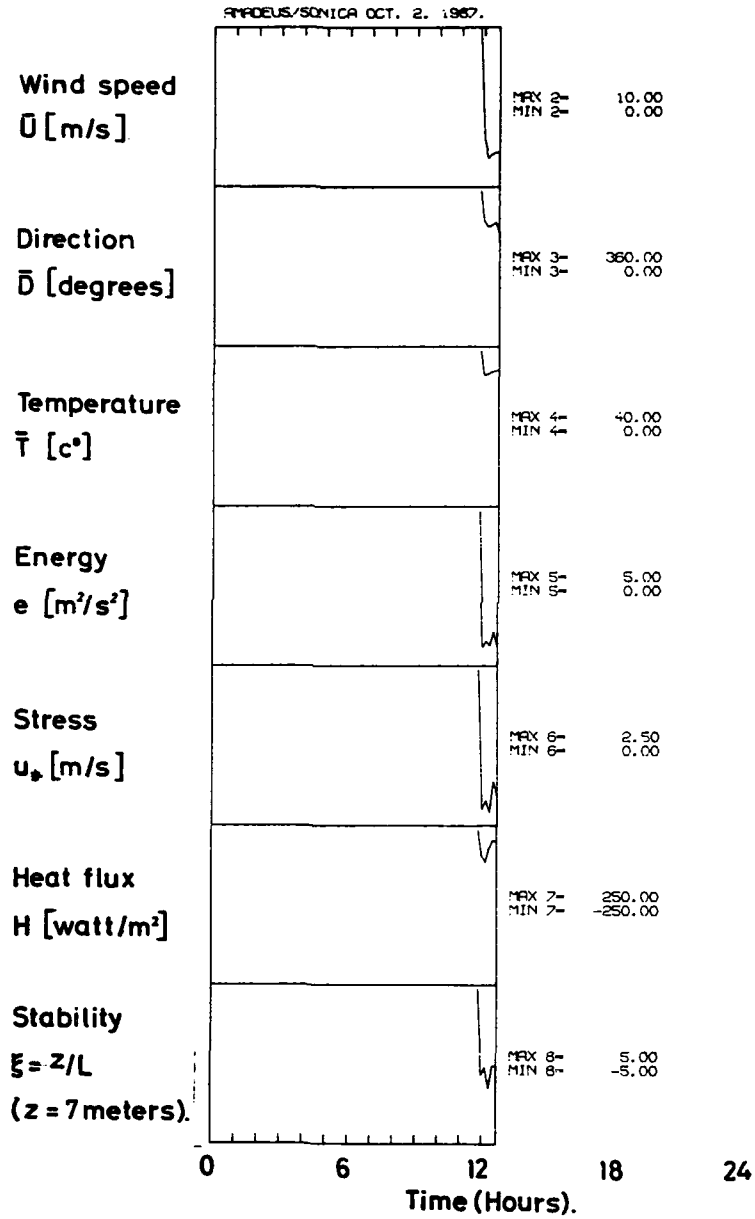
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Stability
ξ = z/L
(z = 7 meters).
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0
6
12
18
24
Time (Hours).

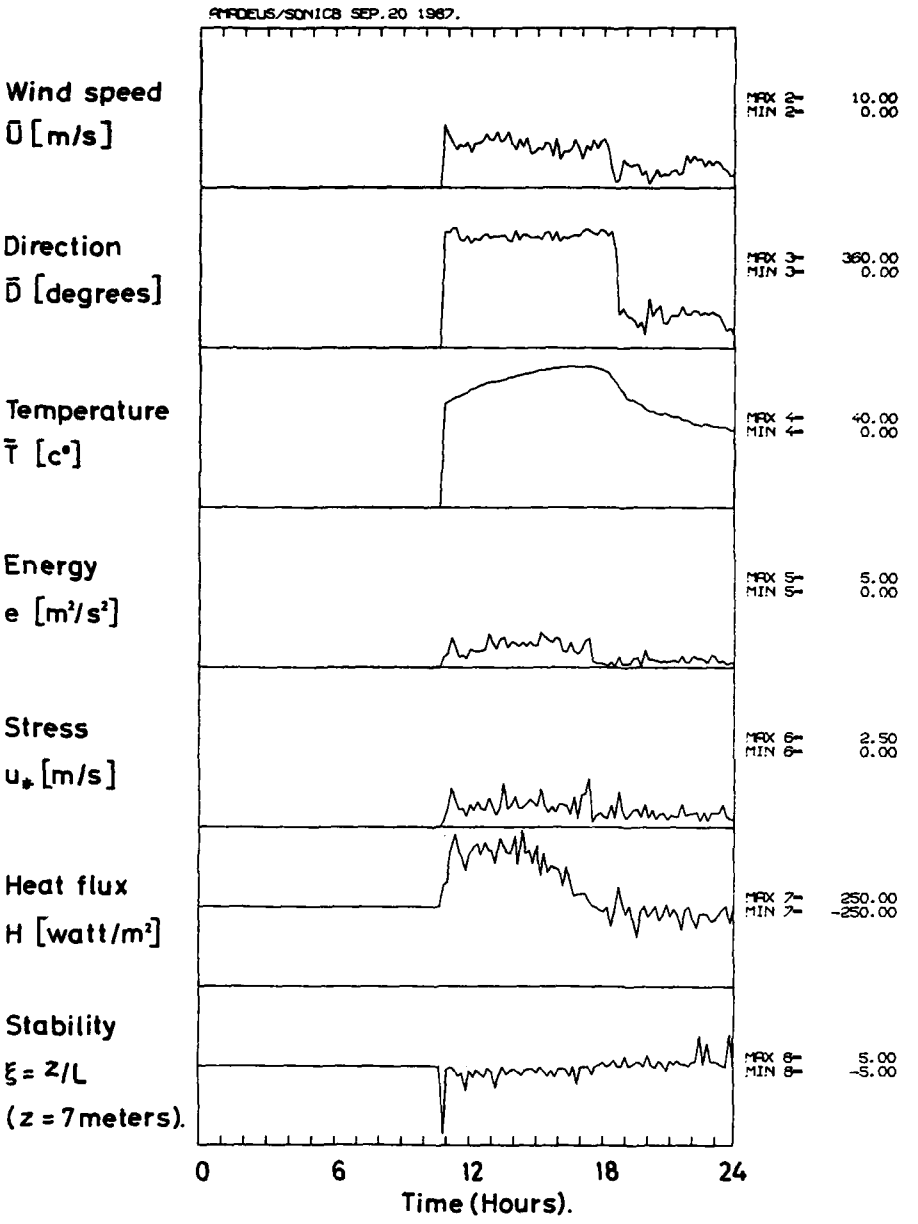
Appendix B

Time series plots from sonic B:

Sampling time per data point	:	10 min
Scanning frequency	:	1 Hz
Height of measurement	:	7.0 m
Sonic anemometer	:	Kaijo Denki Type DAT-300 with probe TR61B (omnidirectional)

Data acquisition:

Voltmeter	:	Hewlett Packard type 3421A
Controller	:	Hewlett Packard HP85B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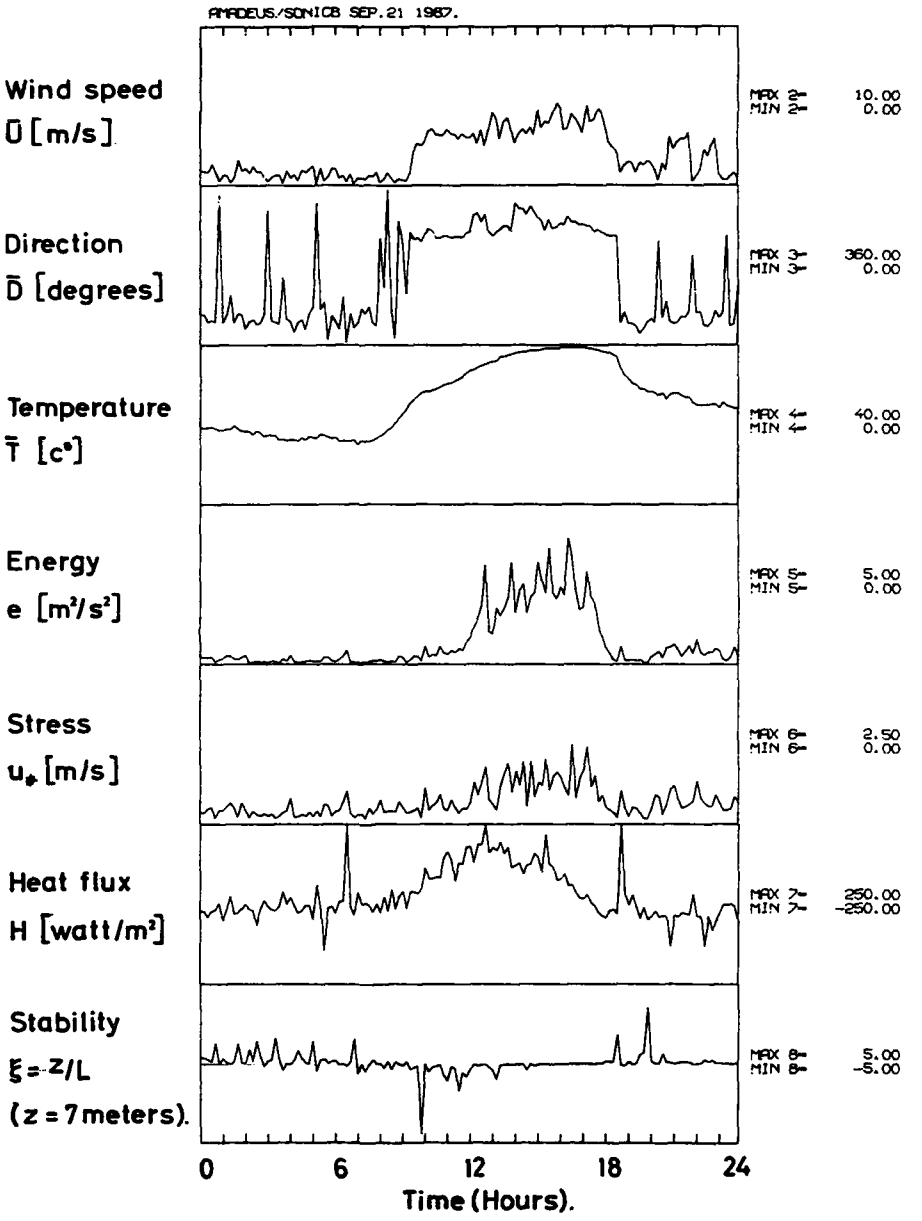
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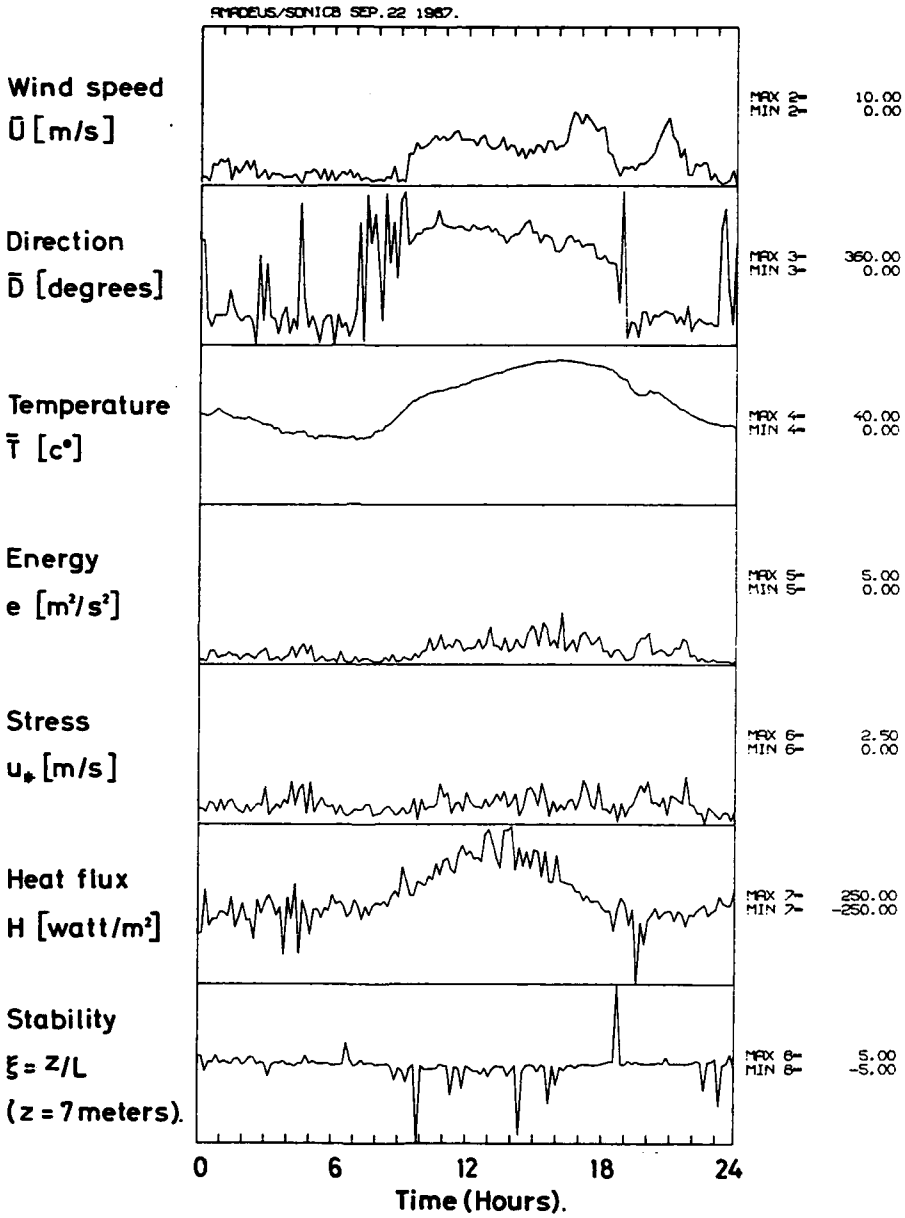
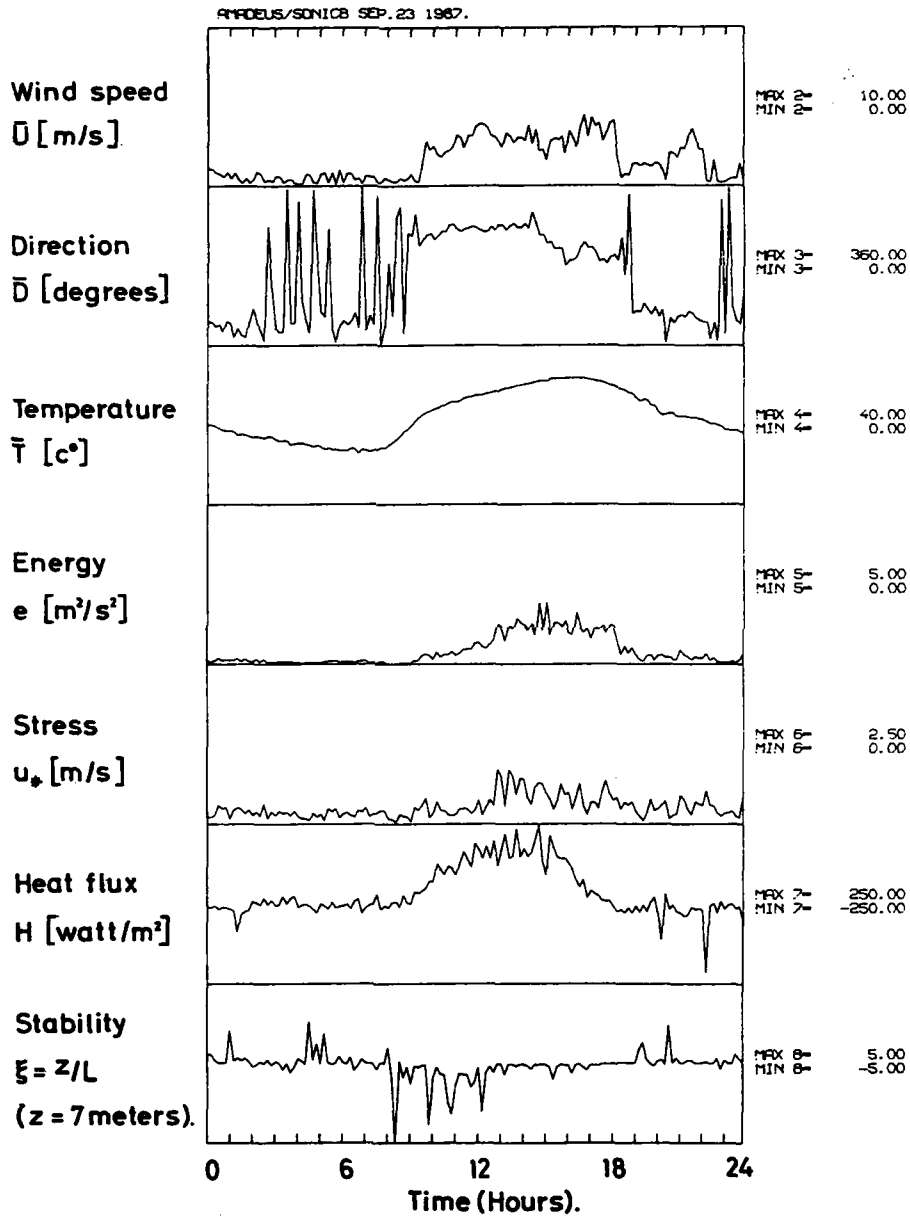
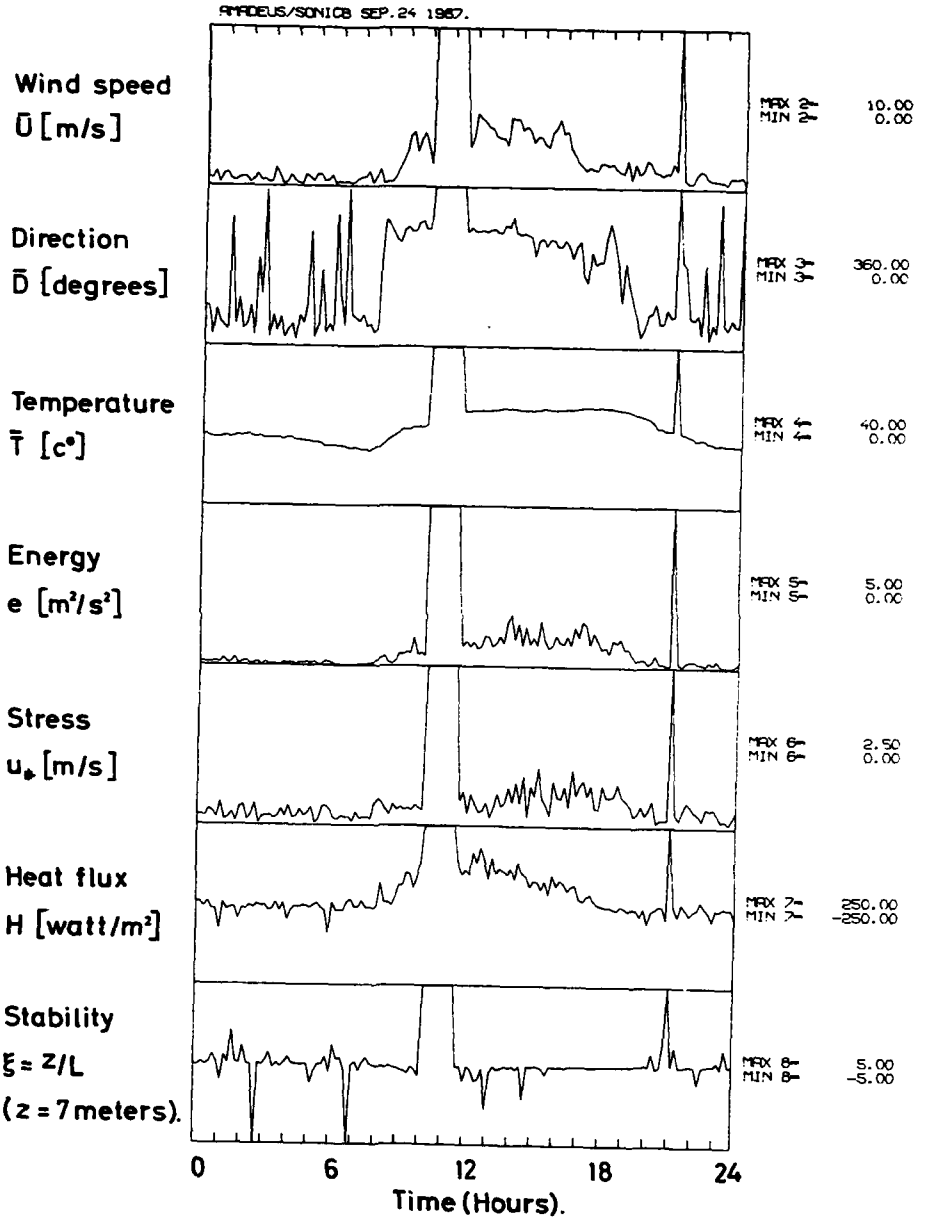
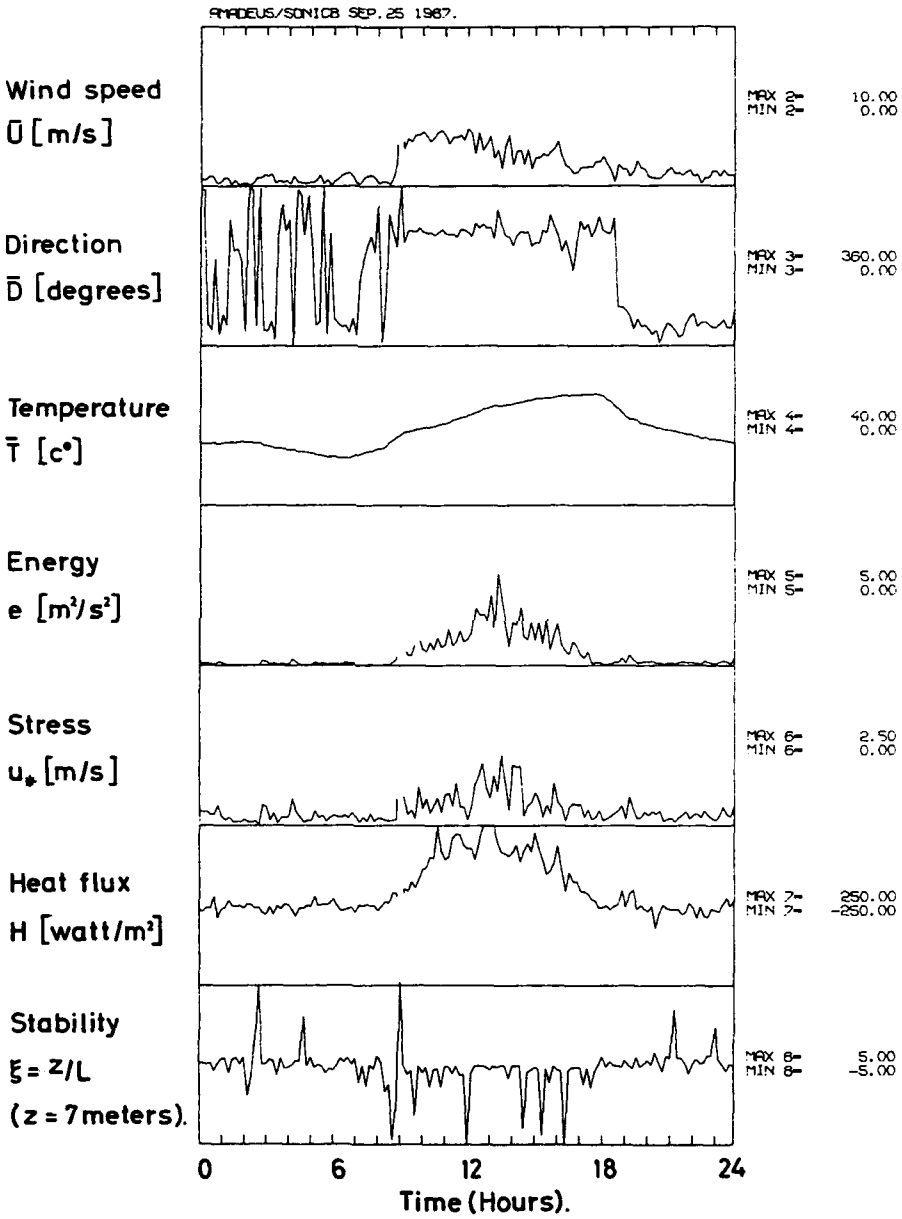
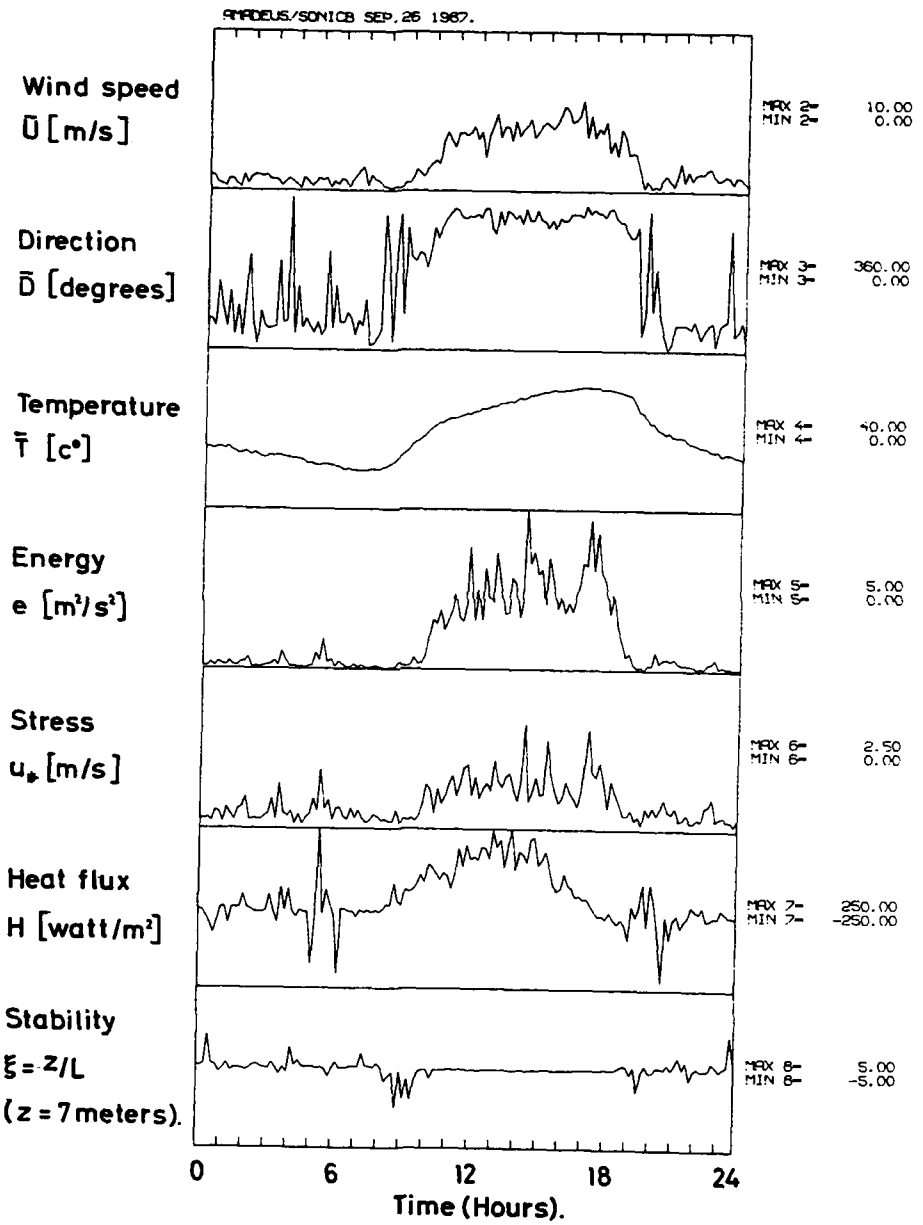
MIN 2= 0.00
Direction
D̄ [degrees]
MAX 3= 360.00
MIN 3= 0.00
Temperature
T̄ [c°]
MAX 4= 40.00
MIN 4= 0.00
Energy
e [m²/s²]
MAX 5= 5.00
MIN 5= 0.00
Stress
u* [m/s]
MAX 6= 2.50
MIN 6= 0.00
Heat flux
H [watt/m²]
MAX 7= 250.00
MIN 7= -250.00
Stability
ξ = z/L
(z = 7 meters).
MAX 8= 5.00
MIN 8= -5.00
0
6
12
18
24
Time (Hours).

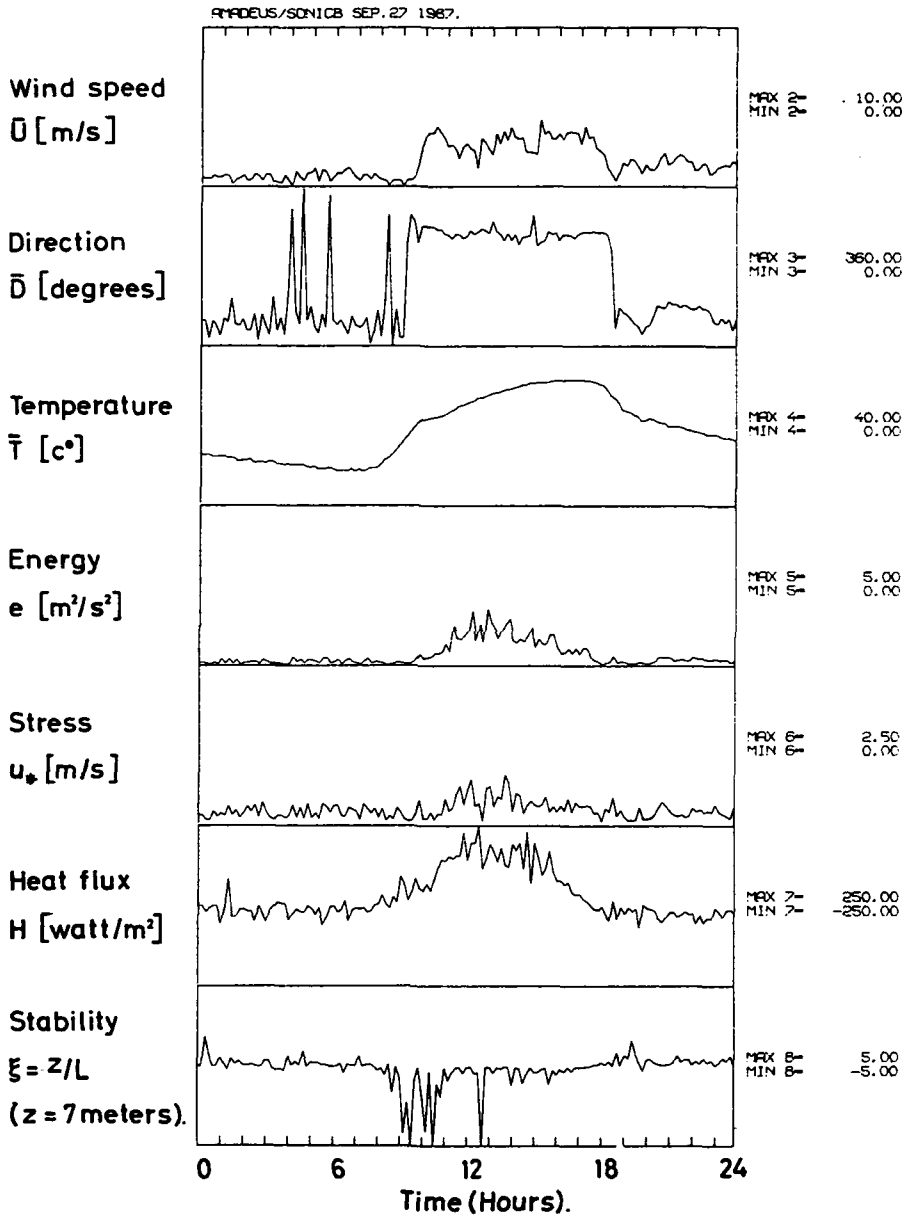

AMADEUS/SONICB SEP.22 1987.
Wind speed
Ū [m/s]
MAX 2= 10.00
MIN 2= 0.00
Direction
D̄ [degrees]
MAX 3= 360.00
MIN 3= 0.00
Temperature
T̄ [c°]
MAX 4= 40.00
MIN 4= 0.00
Energy
e [m²/s²]
MAX 5= 5.00
MIN 5= 0.00
Stress
u* [m/s]
MAX 6= 2.50
MIN 6= 0.00
Heat flux
H [watt/m²]
MAX 7= 250.00
MIN 7= -250.00
Stability
ξ = z/L
(z = 7 meters).
MAX 8= 5.00
MIN 8= -5.00
0
6
12
18
24
Time (Hours).

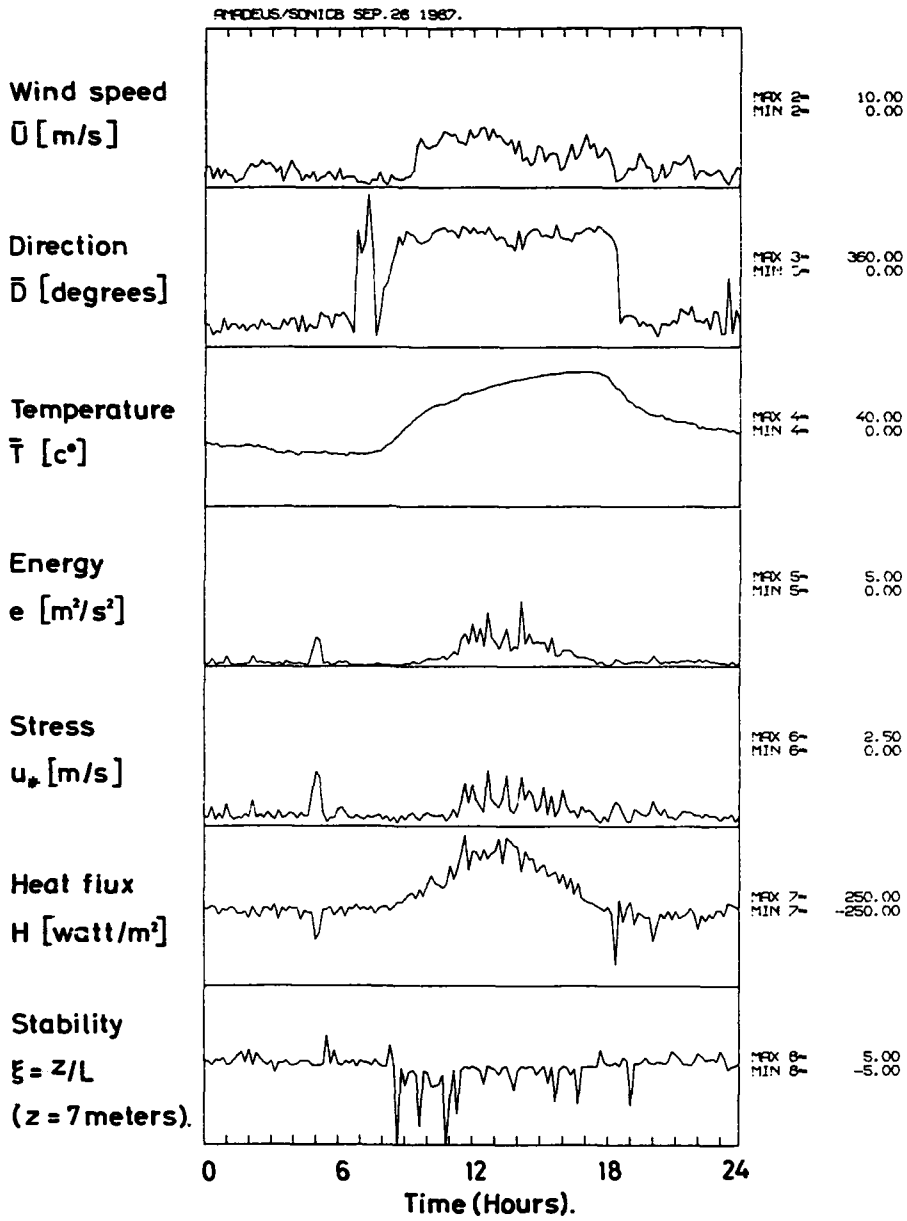

AMADEUS/SONICB SEP.23 1987.
Wind speed
Ū [m/s]
MAX 2= 10.00
MIN 2= 0.00
Direction
D̄ [degrees]
MAX 3= 360.00
MIN 3= 0.00
Temperature
T̄ [c°]
MAX 4= 40.00
MIN 4= 0.00
Energy
e [m²/s²]
MAX 5= 5.00
MIN 5= 0.00
Stress
u* [m/s]
MAX 6= 2.50
MIN 6= 0.00
Heat flux
H [watt/m²]
MAX 7= 250.00
MIN 7= -250.00
Stability
ξ = z/L
(z = 7 meters).
MAX 8= 5.00
MIN 8= -5.00
0
6
12
18
24
Time (Hours).

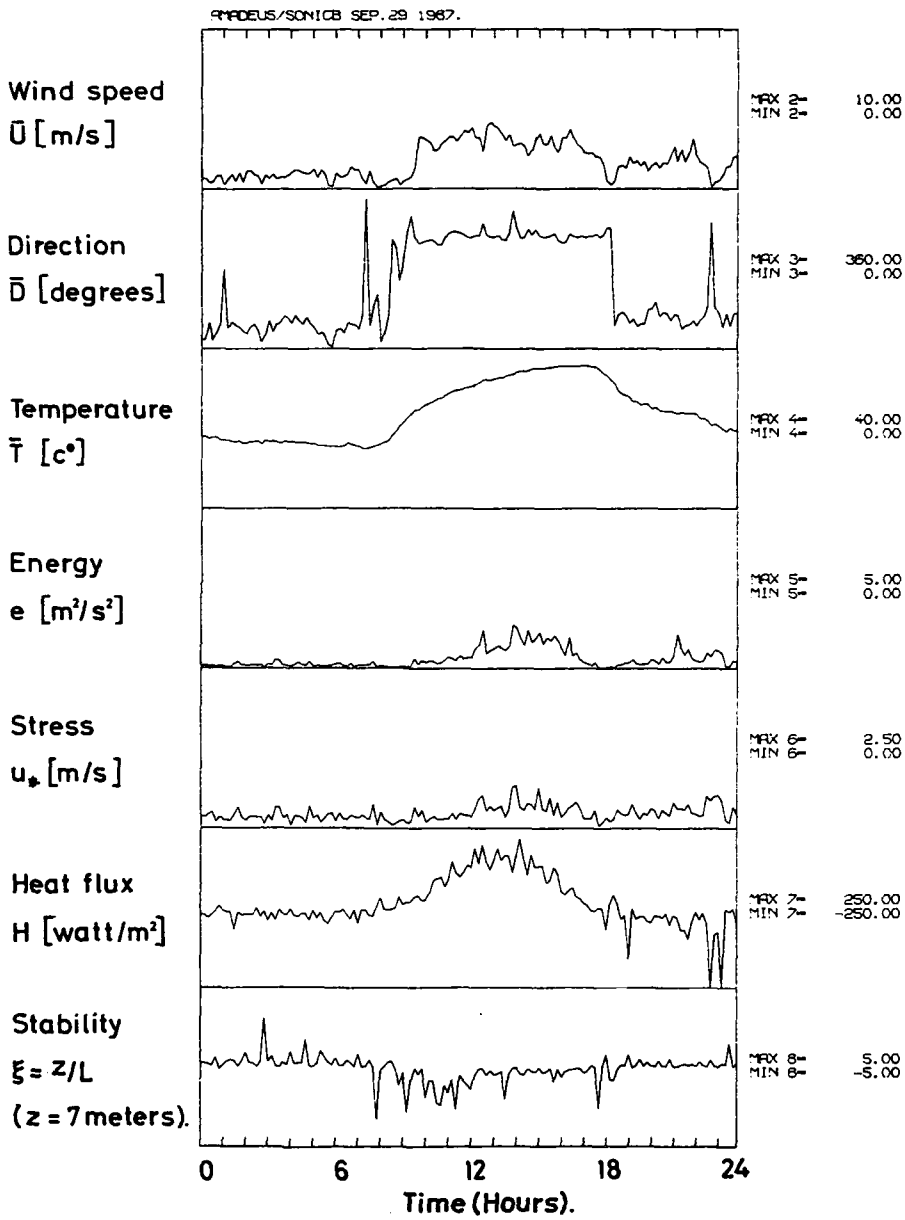

AMADEUS/SONICB SEP.24 1987.
Wind speed
Ū [m/s]
MAX 2= 10.00
MIN 2= 0.00
Direction
D̄ [degrees]
MAX 3= 360.00
MIN 3= 0.00
Temperature
T̄ [c°]
MAX 4= 40.00
MIN 4= 0.00
Energy
e [m²/s²]
MAX 5= 5.00
MIN 5= 0.00
Stress
u* [m/s]
MAX 6= 2.50
MIN 6= 0.00
Heat flux
H [watt/m²]
MAX 7= 250.00
MIN 7= -250.00
Stability
ξ = z/L
(z = 7 meters).
MAX 8= 5.00
MIN 8= -5.00
0
6
12
18
24
Time (Hours).

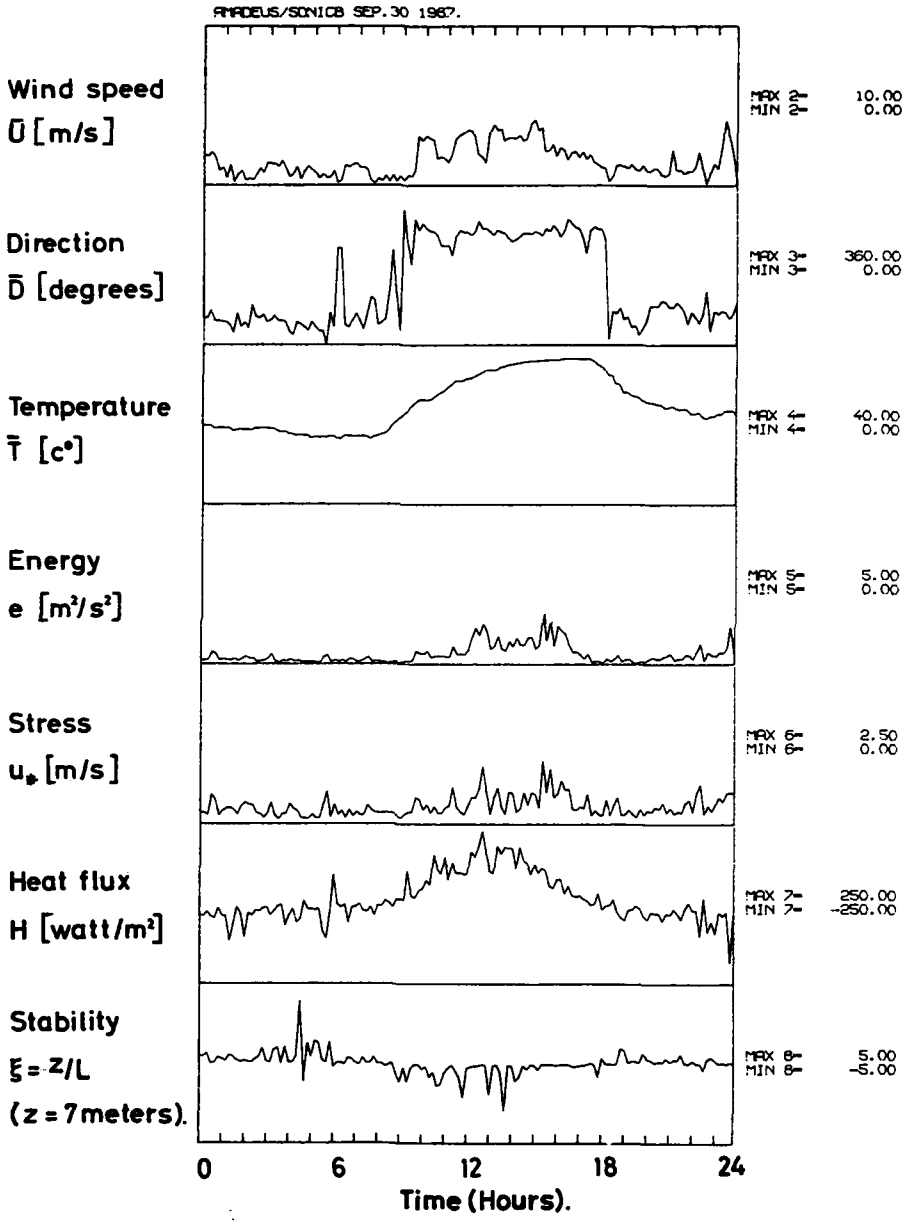

AMADEUS/SONICB SEP.25 1987.
Wind speed
Ū [m/s]
MAX 2= 10.00
MIN 2= 0.00
Direction
D̄ [degrees]
MAX 3= 360.00
MIN 3= 0.00
Temperature
T̄ [c°]
MAX 4= 40.00
MIN 4= 0.00
Energy
e [m²/s²]
MAX 5= 5.00
MIN 5= 0.00
Stress
u* [m/s]
MAX 6= 2.50
MIN 6= 0.00
Heat flux
H [watt/m²]
MAX 7= 250.00
MIN 7= -250.00
Stability
ξ = z/L
(z = 7 meters).
MAX 8= 5.00
MIN 8= -5.00
0
6
12
18
24
Time (Hours).

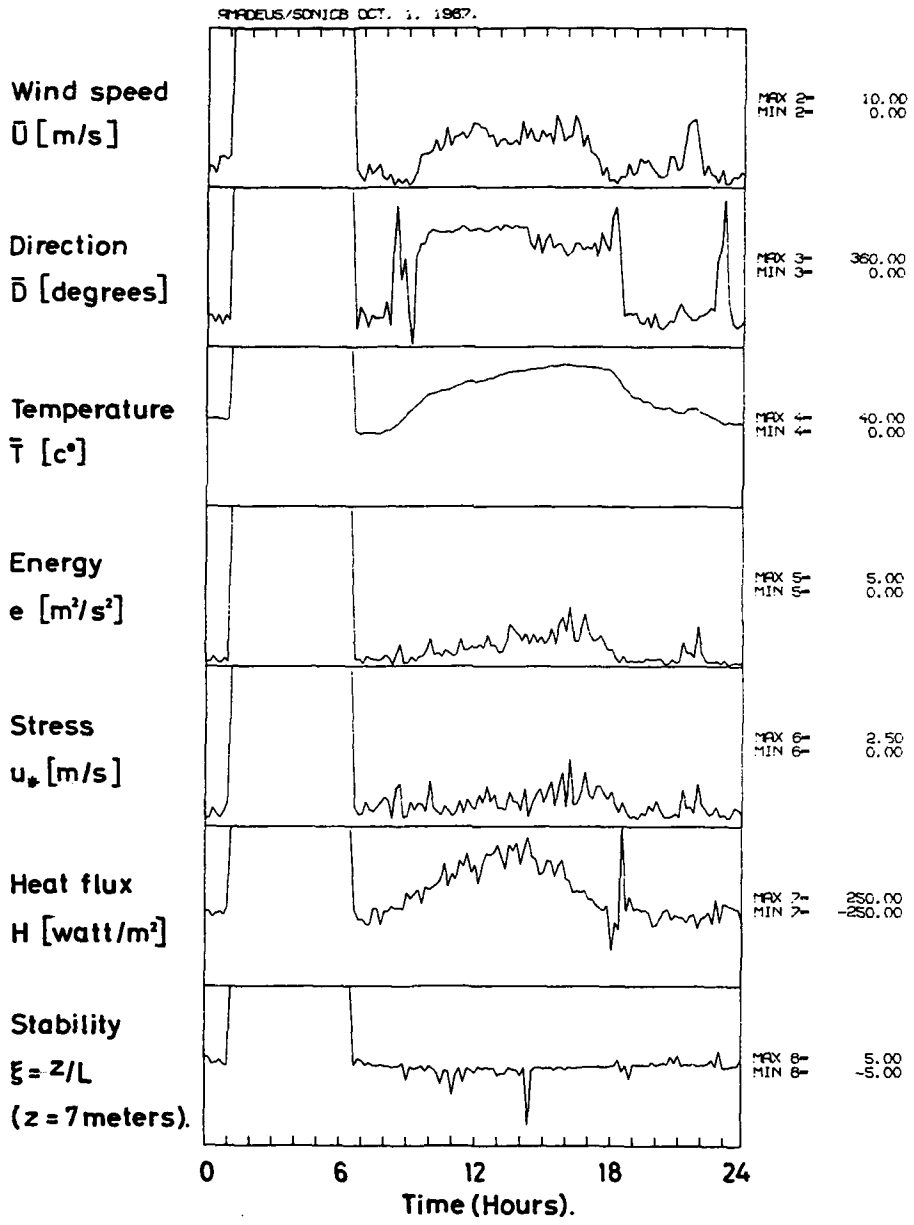

AMADEUS/SONICB SEP.26 1987.
Wind speed
Ū [m/s]
MAX 2= 10.00
MIN 2= 0.00
Direction
D̄ [degrees]
MAX 3= 360.00
MIN 3= 0.00
Temperature
T̄ [c°]
MAX 4= 40.00
MIN 4= 0.00
Energy
e [m²/s²]
MAX 5= 5.00
MIN 5= 0.00
Stress
u* [m/s]
MAX 6= 2.50
MIN 6= 0.00
Heat flux
H [watt/m²]
MAX 7= 250.00
MIN 7= -250.00
Stability
ξ = z/L
(z = 7 meters).
MAX 8= 5.00
MIN 8= -5.00
0
6
12
18
24
Time (Hours).

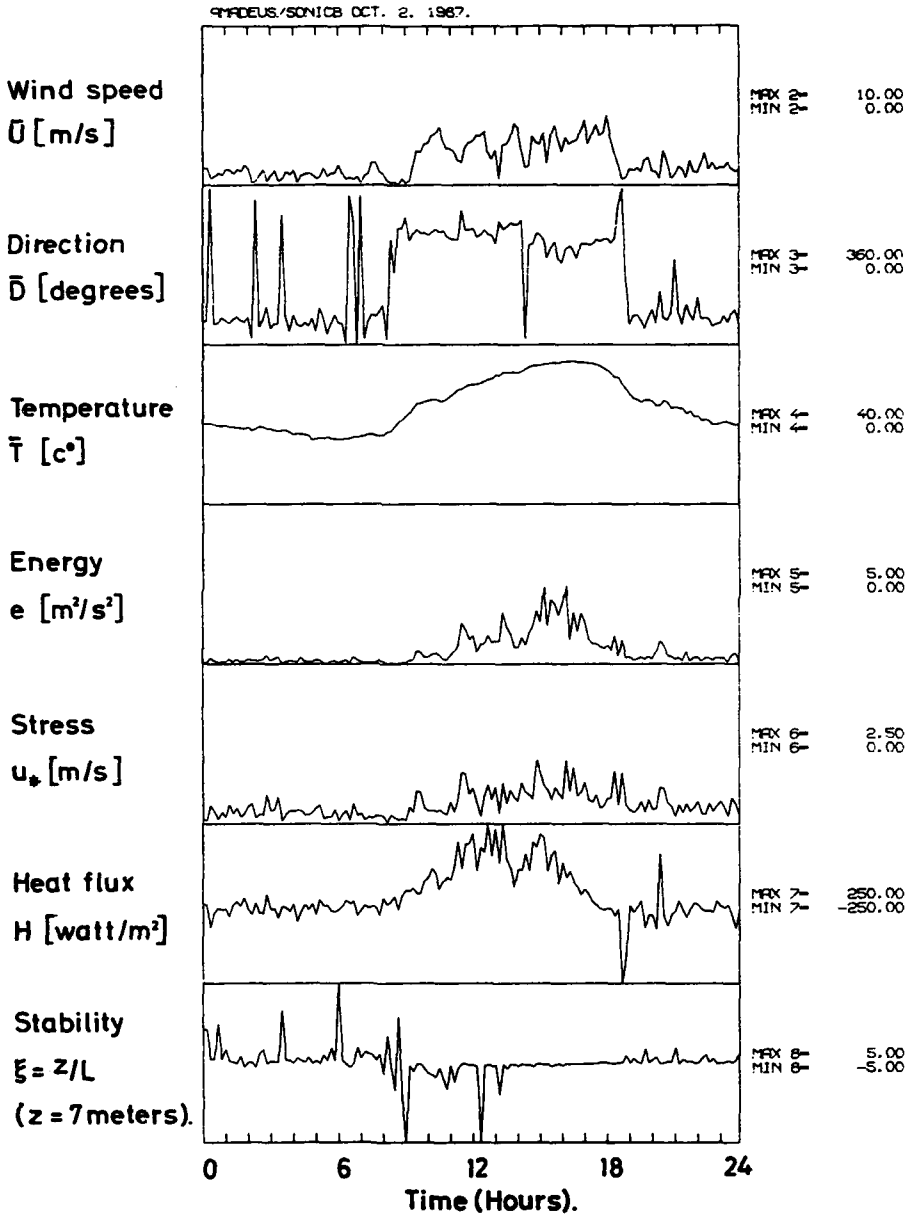

AMADEUS/SONICB SEP.27 1987.
Wind speed
Ū [m/s]
MAX 2= 10.00
MIN 2= 0.00
Direction
D̄ [degrees]
MAX 3= 360.00
MIN 3= 0.00
Temperature
T̄ [c°]
MAX 4= 40.00
MIN 4= 0.00
Energy
e [m²/s²]
MAX 5= 5.00
MIN 5= 0.00
Stress
u* [m/s]
MAX 6= 2.50
MIN 6= 0.00
Heat flux
H [watt/m²]
MAX 7= 250.00
MIN 7= -250.00
Stability
ξ = z/L
(z = 7 meters).
MAX 8= 5.00
MIN 8= -5.00
0
6
12
18
24
Time (Hours).

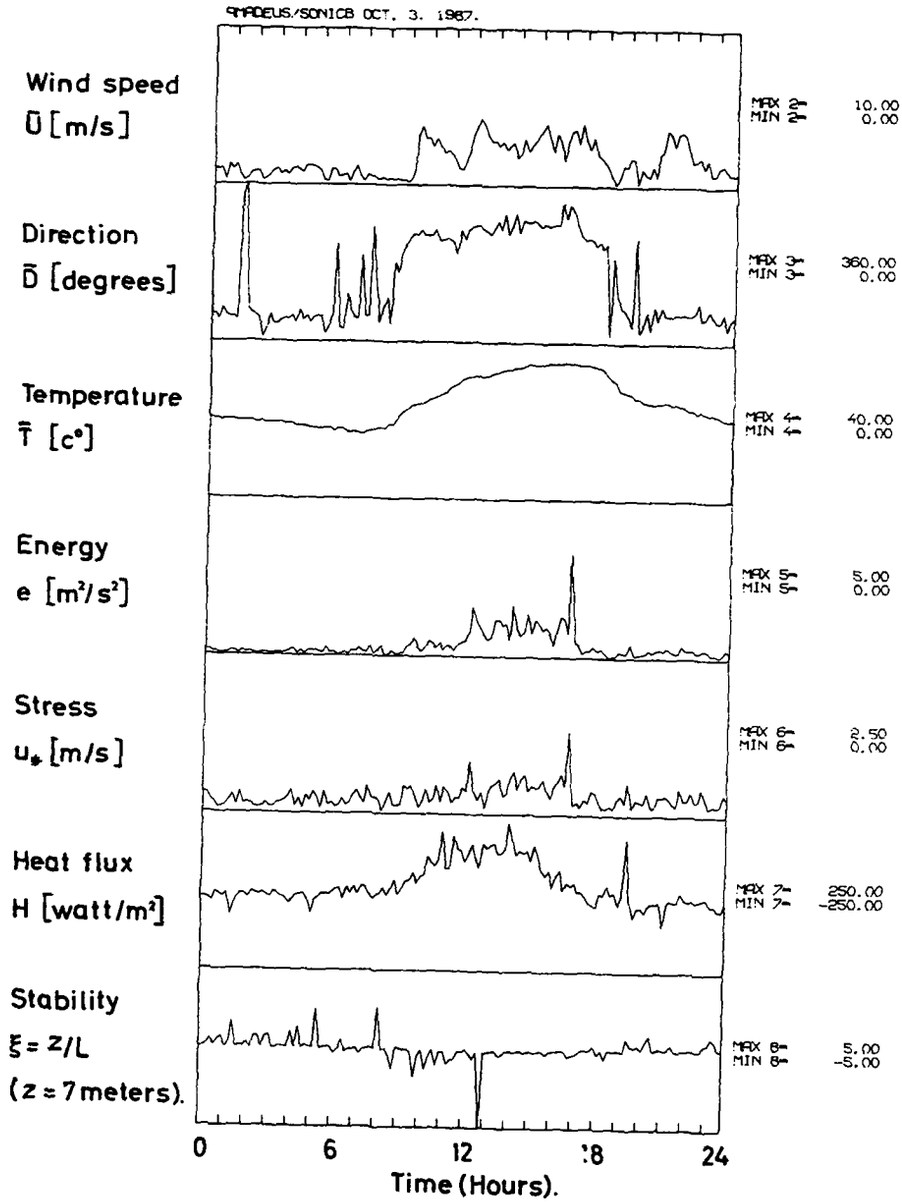

AMADEUS/SONICB SEP.26 1987.
Wind speed
Ū [m/s]
MAX 2= 10.00
MIN 2= 0.00
Direction
D̄ [degrees]
MAX 3= 360.00
MIN 3= 0.00
Temperature
T̄ [c°]
MAX 4= 40.00
MIN 4= 0.00
Energy
e [m²/s²]
MAX 5= 5.00
MIN 5= 0.00
Stress
u* [m/s]
MAX 6= 2.50
MIN 6= 0.00
Heat flux
H [watt/m²]
MAX 7= 250.00
MIN 7= -250.00
Stability
ξ = z/L
(z = 7 meters).
MAX 8= 5.00
MIN 8= -5.00
0
6
12
18
24
Time (Hours).

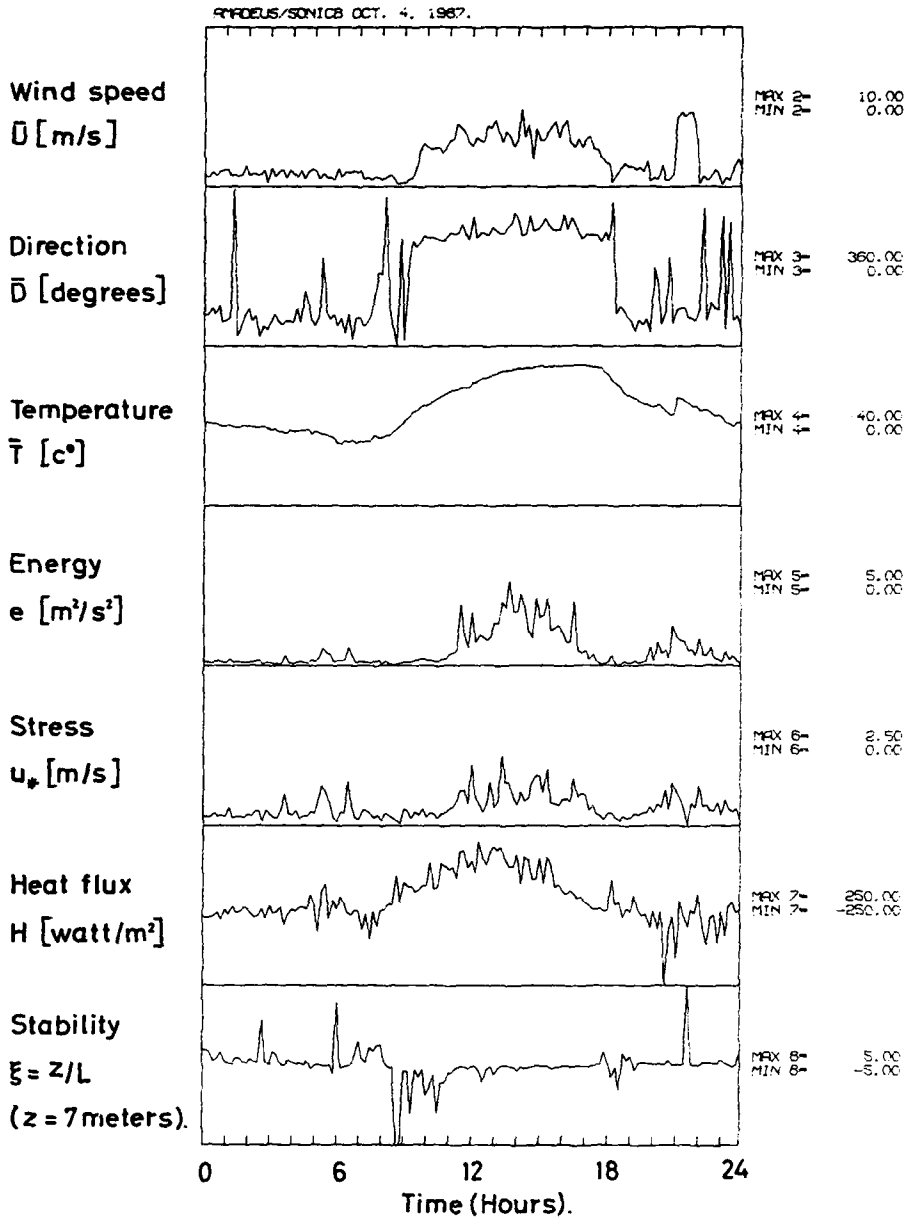

AMADEUS/SONICB SEP.29 1987.
Wind speed
Ū [m/s]
MAX 2= 10.00
MIN 2= 0.00
Direction
D̄ [degrees]
MAX 3= 360.00
MIN 3= 0.00
Temperature
T̄ [c°]
MAX 4= 40.00
MIN 4= 0.00
Energy
e [m²/s²]
MAX 5= 5.00
MIN 5= 0.00
Stress
u* [m/s]
MAX 6= 2.50
MIN 6= 0.00
Heat flux
H [watt/m²]
MAX 7= 250.00
MIN 7= -250.00
Stability
ξ = z/L
(z = 7 meters).
MAX 8= 5.00
MIN 8= -5.00
0
6
12
18
24
Time (Hours).

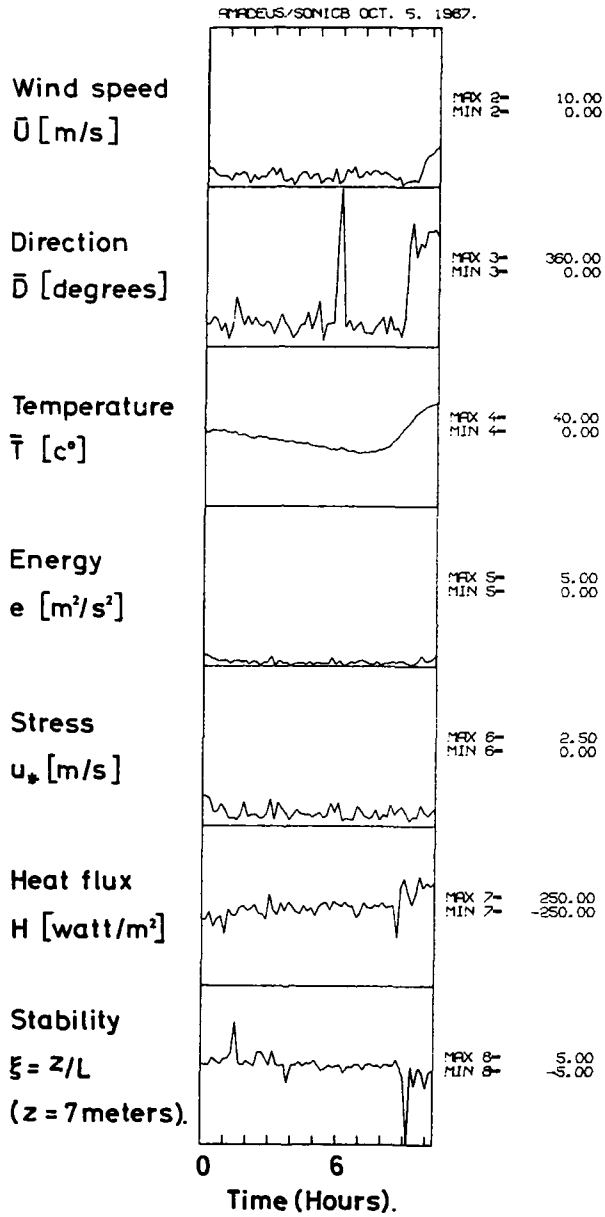

AMADEUS/SONICB SEP.30 1987.
Wind speed
Ū [m/s]
MAX 2= 10.00
MIN 2= 0.00
Direction
D̄ [degrees]
MAX 3= 360.00
MIN 3= 0.00
Temperature
T̄ [c°]
MAX 4= 40.00
MIN 4= 0.00
Energy
e [m²/s²]
MAX 5= 5.00
MIN 5= 0.00
Stress
u* [m/s]
MAX 6= 2.50
MIN 6= 0.00
Heat flux
H [watt/m²]
MAX 7= 250.00
MIN 7= -250.00
Stability
ξ = z/L
(z = 7 meters).
MAX 8= 5.00
MIN 8= -5.00
0
6
12
18
24
Time (Hours).


AMADEUS/SONICB OCT. 1. 1987.
Wind speed
Ū [m/s]
MAX 2= 10.00
MIN 2= 0.00
Direction
D̄ [degrees]
MAX 3= 360.00
MIN 3= 0.00
Temperature
T̄ [c°]
MAX 4= 40.00
MIN 4= 0.00
Energy
e [m²/s²]
MAX 5= 5.00
MIN 5= 0.00
Stress
u* [m/s]
MAX 6= 2.50
MIN 6= 0.00
Heat flux
H [watt/m²]
MAX 7= 250.00
MIN 7= -250.00
Stability
ξ = z/L
(z = 7 meters).
MAX 8= 5.00
MIN 8= -5.00
0
6
12
18
24
Time (Hours).


AMADEUS/SONICB OCT. 2. 1987.
Wind speed
Ū [m/s]
MAX 2= 10.00
MIN 2= 0.00
Direction
D̄ [degrees]
MAX 3= 360.00
MIN 3= 0.00
Temperature
T̄ [c°]
MAX 4= 40.00
MIN 4= 0.00
Energy
e [m²/s²]
MAX 5= 5.00
MIN 5= 0.00
Stress
u* [m/s]
MAX 6= 2.50
MIN 6= 0.00
Heat flux
H [watt/m²]
MAX 7= 250.00
MIN 7= -250.00
Stability
ξ = z/L
(z = 7 meters).
MAX 8= 5.00
MIN 8= -5.00
0
6
12
18
24
Time (Hours).


AMADEUS/SONICB OCT. 3. 1987.
Wind speed
Ū [m/s]
MAX 2= 10.00
MIN 2= 0.00
Direction
D̄ [degrees]
MAX 3= 360.00
MIN 3= 0.00
Temperature
T̄ [c°]
MAX 4= 40.00
MIN 4= 0.00
Energy
e [m²/s²]
MAX 5= 5.00
MIN 5= 0.00
Stress
u* [m/s]
MAX 6= 2.50
MIN 6= 0.00
Heat flux
H [watt/m²]
MAX 7= 250.00
MIN 7= -250.00
Stability
ξ = z/L
(z = 7 meters).
MAX 8= 5.00
MIN 8= -5.00
0
6
12
18
24
Time (Hours).


AMADEUS/SONICB OCT. 4. 1987.
Wind speed
Ū [m/s]
MAX 2= 10.00
MIN 2= 0.00
Direction
D̄ [degrees]
MAX 3= 360.00
MIN 3= 0.00
Temperature
T̄ [c°]
MAX 4= 40.00
MIN 4= 0.00
Energy
e [m²/s²]
MAX 5= 5.00
MIN 5= 0.00
Stress
u* [m/s]
MAX 6= 2.50
MIN 6= 0.00
Heat flux
H [watt/m²]
MAX 7= 250.00
MIN 7= -250.00
Stability
ξ = z/L
(z = 7 meters).
MAX 8= 5.00
MIN 8= -5.00
0
6
12
18
24
Time (Hours).


AMADEUS/SONICB OCT. 5. 1987.
Wind speed
Ū [m/s]
MAX 2= 10.00
MIN 2= 0.00
Direction
D̄ [degrees]
MAX 3= 360.00
MIN 3= 0.00
Temperature
T̄ [c°]
MAX 4= 40.00
MIN 4= 0.00
Energy
e [m²/s²]
MAX 5= 5.00
MIN 5= 0.00
Stress
u* [m/s]
MAX 6= 2.50
MIN 6= 0.00
Heat flux
H [watt/m²]
MAX 7= 250.00
MIN 7= -250.00
Stability
ξ = z/L
(z = 7 meters).
MAX 8= 5.00
MIN 8= -5.00
0
6
Time (Hours).

Appendix C

Listing of data from sonic A (corresponds to plots in Appendix A)

Table format:

0.	time grup for start of the 10-min sampling period		(yymmddhhmm)
1.	mean wind speed	$\bar{u}$	[m/s]
2.	mean direction	$\bar{D}$	[degrees]
3.	mean temperature	$\bar{T}$	[°C]
4.	total energy	e	[m^2/s^2]
5.	stress	u_*	[m/s]
6.	total heat flux	H	[watt/m^2]
7.	stability parameter	$\xi \equiv \frac{z}{L}$	($z = 7.0$ m)

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709211115	2.86	265.00	34.00	0.38	0.24	126.67	-0.67
8709211125	2.86	266.00	34.60	0.43	0.29	209.61	-0.59
8709211135	2.94	261.00	34.90	0.42	0.30	131.97	-0.33
8709211145	2.09	285.00	35.70	1.47	0.28	190.20	-0.59
8709211155	2.19	280.00	36.40	0.72	0.20	203.14	-1.82
8709211205	2.27	271.00	37.00	0.62	0.27	207.02	-0.71
8709211215	2.83	288.00	37.70	0.96	0.49	285.95	-0.17
8709211225	3.01	309.00	37.90	0.80	0.25	169.50	-0.73
8709211235	3.30	274.00	38.40	1.27	0.53	160.44	-0.07
8709211245	3.51	259.00	39.00	0.98	0.21	172.08	-1.22
8709211255	3.59	261.00	39.40	1.29	0.50	188.91	-0.10
8709211305	4.01	244.00	39.50	1.02	0.16	166.91	-2.61
8709211315	2.78	258.00	40.20	2.13	0.41	129.39	-0.13
8709211325	4.21	271.00	40.40	1.68	0.31	147.50	-0.34
8709211335	4.75	264.00	40.90	1.63	0.54	166.91	-0.07
8709211345	3.73	281.00	41.10	2.14	0.85	231.60	-0.03
8709211355	3.55	297.00	41.30	1.64	0.73	256.19	-0.04
8709211405	4.18	276.00	41.70	2.19	0.72	182.44	-0.03
8709211415	4.37	287.00	41.40	1.64	0.68	133.27	-0.03
8709211425	4.35	287.00	41.80	1.54	0.29	150.09	-0.40
8709211435	4.42	276.00	42.20	2.45	1.07	174.67	-0.01
8709211445	4.20	278.00	41.90	2.02	0.78	115.54	-0.02
8709211455	5.33	275.00	42.20	2.20	1.00	205.73	-0.01
8709211505	5.26	269.00	42.10	1.99	0.68	75.95	-0.02
8709211515	**********	**********	**********	**********	**********	**********	**********
8709211525	**********	**********	**********	**********	**********	**********	**********
8709211535	**********	**********	**********	**********	**********	**********	**********
8709211545	**********	**********	**********	**********	**********	**********	**********
8709211555	**********	**********	**********	**********	**********	**********	**********
8709211605	**********	**********	**********	**********	**********	**********	**********
8709211615	**********	**********	**********	**********	**********	**********	**********
8709211625	**********	**********	**********	**********	**********	**********	**********
8709211635	**********	**********	**********	**********	**********	**********	**********
8709211645	**********	**********	**********	**********	**********	**********	**********
8709211655	**********	**********	**********	**********	**********	**********	**********
8709211705	**********	**********	**********	**********	**********	**********	**********
8709211715	**********	**********	**********	**********	**********	**********	**********
8709211725	**********	**********	**********	**********	**********	**********	**********
8709211735	**********	**********	**********	**********	**********	**********	**********
8709211745	**********	**********	**********	**********	**********	**********	**********
8709211755	**********	**********	**********	**********	**********	**********	**********
8709211805	**********	**********	**********	**********	**********	**********	**********
8709211815	**********	**********	**********	**********	**********	**********	**********
8709211825	**********	**********	**********	**********	**********	**********	**********
8709211835	**********	**********	**********	**********	**********	**********	**********
8709211845	**********	**********	**********	**********	**********	**********	**********
8709211855	**********	**********	**********	**********	**********	**********	**********
8709211905	**********	**********	**********	**********	**********	**********	**********
8709211915	**********	**********	**********	**********	**********	**********	**********
8709211925	**********	**********	**********	**********	**********	**********	**********
8709211935	**********	**********	**********	**********	**********	**********	**********
8709211945	**********	**********	**********	**********	**********	**********	**********
8709211955	**********	**********	**********	**********	**********	**********	**********
8709212005	**********	**********	**********	**********	**********	**********	**********
8709212015	**********	**********	**********	**********	**********	**********	**********
8709212025	**********	**********	**********	**********	**********	**********	**********
8709212035	**********	**********	**********	**********	**********	**********	**********
8709212045	**********	**********	**********	**********	**********	**********	**********
8709212055	**********	**********	**********	**********	**********	**********	**********
8709212105	**********	**********	**********	**********	**********	**********	**********
8709212115	**********	**********	**********	**********	**********	**********	**********
8709212125	**********	**********	**********	**********	**********	**********	**********

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709230555	**********	**********	**********	**********	**********	**********	**********
8709230605	**********	**********	**********	**********	**********	**********	**********
8709230615	**********	**********	**********	**********	**********	**********	**********
8709230625	**********	**********	**********	**********	**********	**********	**********
8709230635	**********	**********	**********	**********	**********	**********	**********
8709230645	**********	**********	**********	**********	**********	**********	**********
8709230655	**********	**********	**********	**********	**********	**********	**********
8709230705	**********	**********	**********	**********	**********	**********	**********
8709230715	**********	**********	**********	**********	**********	**********	**********
8709230725	**********	**********	**********	**********	**********	**********	**********
8709230735	**********	**********	**********	**********	**********	**********	**********
8709230745	**********	**********	**********	**********	**********	**********	**********
8709230755	**********	**********	**********	**********	**********	**********	**********
8709230805	**********	**********	**********	**********	**********	**********	**********
8709230815	**********	**********	**********	**********	**********	**********	**********
8709230825	**********	**********	**********	**********	**********	**********	**********
8709230835	**********	**********	**********	**********	**********	**********	**********
8709230845	**********	**********	**********	**********	**********	**********	**********
8709230855	**********	**********	**********	**********	**********	**********	**********
8709230905	**********	**********	**********	**********	**********	**********	**********
8709230915	**********	**********	**********	**********	**********	**********	**********
8709230925	**********	**********	**********	**********	**********	**********	**********
8709230935	**********	**********	**********	**********	**********	**********	**********
8709230945	**********	**********	**********	**********	**********	**********	**********
8709230955	**********	**********	**********	**********	**********	**********	**********
8709231005	**********	**********	**********	**********	**********	**********	**********
8709231015	**********	**********	**********	**********	**********	**********	**********
8709231025	**********	**********	**********	**********	**********	**********	**********
8709231035	**********	**********	**********	**********	**********	**********	**********
8709231045	**********	**********	**********	**********	**********	**********	**********
8709231055	**********	**********	**********	**********	**********	**********	**********
8709231105	**********	**********	**********	**********	**********	**********	**********
8709231115	**********	**********	**********	**********	**********	**********	**********
8709231125	**********	**********	**********	**********	**********	**********	**********
8709231135	2.48	267.00	29.90	0.41	0.24	100.02	-0.51
8709231145	2.97	275.00	30.50	0.74	0.41	194.08	-0.20
8709231155	3.37	283.00	30.50	0.70	0.28	207.02	-0.66
8709231205	2.88	293.00	30.60	0.99	0.79	191.49	-0.03
8709231215	2.95	283.00	31.20	0.91	0.44	163.03	-0.13
8709231225	2.38	309.00	31.30	0.90	0.59	213.49	-0.07
8709231235	2.45	285.00	31.50	1.02	0.48	142.33	-0.09
8709231245	2.01	300.00	32.00	0.95	0.44	210.90	-0.17
8709231255	1.89	264.00	32.10	1.12	0.59	214.78	-0.07
8709231305	2.51	265.00	32.40	1.28	0.49	194.08	-0.12
8709231315	2.38	266.00	32.60	1.04	0.67	188.91	-0.04
8709231325	2.39	276.00	32.90	1.01	0.42	256.19	-0.24
8709231335	2.32	287.00	33.20	2.06	0.66	203.14	-0.05
8709231345	2.29	268.00	33.20	1.34	0.82	275.59	-0.04
8709231355	2.57	275.00	33.40	1.63	0.83	263.95	-0.03
8709231405	3.06	275.00	33.70	1.57	0.94	260.07	-0.02
8709231415	2.98	298.00	33.80	0.77	0.51	192.79	-0.10
8709231425	3.08	273.00	34.10	0.79	0.16	172.08	-2.66
8709231435	3.21	282.00	34.30	1.13	0.57	148.80	-0.06
8709231445	1.84	240.00	34.60	2.86	1.46	163.03	0.00
8709231455	0.83	238.00	34.60	1.30	0.87	169.50	-0.02
8709231505	1.25	154.00	34.70	1.44	0.92	84.36	-0.01
8709231515	1.30	218.00	35.10	0.98	0.73	109.46	-0.02
8709231525	2.34	131.00	34.80	0.83	0.28	83.20	-0.27
8709231535	**********	**********	**********	**********	**********	**********	**********
8709231545	**********	**********	**********	**********	**********	**********	**********
8709231555	**********	**********	**********	**********	**********	**********	**********
8709231605	**********	**********	**********	**********	**********	**********	**********

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709251115	**********	**********	**********	**********	**********	**********	**********
8709251125	**********	**********	**********	**********	**********	**********	**********
8709251135	**********	**********	**********	**********	**********	**********	**********
8709251145	**********	**********	**********	**********	**********	**********	**********
8709251155	**********	**********	**********	**********	**********	**********	**********
8709251205	**********	**********	**********	**********	**********	**********	**********
8709251215	**********	**********	**********	**********	**********	**********	**********
8709251225	**********	**********	**********	**********	**********	**********	**********
8709251235	**********	**********	**********	**********	**********	**********	**********
8709251245	**********	**********	**********	**********	**********	**********	**********
8709251255	**********	**********	**********	**********	**********	**********	**********
8709251305	**********	**********	**********	**********	**********	**********	**********
8709251315	**********	**********	**********	**********	**********	**********	**********
8709251325	**********	**********	**********	**********	**********	**********	**********
8709251335	**********	**********	**********	**********	**********	**********	**********
8709251345	**********	**********	**********	**********	**********	**********	**********
8709251355	**********	**********	**********	**********	**********	**********	**********
8709251405	2.15	225.00	28.90	1.59	0.78	271.71	-0.04
8709251415	1.80	239.00	28.90	0.72	0.41	123.44	-0.12
8709251425	1.38	260.00	29.20	0.75	0.50	156.56	-0.09
8709251435	2.78	275.00	29.50	1.28	0.62	183.73	-0.05
8709251445	1.38	259.00	29.50	0.38	0.30	131.97	-0.33
8709251455	2.17	253.00	29.90	0.85	0.45	177.26	-0.14
8709251505	1.34	248.00	30.20	0.95	0.53	213.49	-0.10
8709251515	1.30	320.00	30.30	1.33	0.59	152.68	-0.05
8709251525	2.69	344.00	30.30	0.54	0.30	137.15	-0.34
8709251535	1.54	319.00	30.80	1.48	0.32	261.36	-0.55
8709251545	3.44	275.00	30.50	0.71	0.44	151.38	-0.13
8709251555	1.71	258.00	30.60	0.74	0.43	138.44	-0.12
8709251605	1.16	212.00	30.90	0.64	0.27	150.09	-0.52
8709251615	0.43	225.00	30.80	0.72	0.57	106.74	-0.04
8709251625	**********	**********	**********	**********	**********	**********	**********
8709251635	**********	**********	**********	**********	**********	**********	**********
8709251645	**********	**********	**********	**********	**********	**********	**********
8709251655	**********	**********	**********	**********	**********	**********	**********
8709251705	**********	**********	**********	**********	**********	**********	**********
8709251715	**********	**********	**********	**********	**********	**********	**********
8709251725	**********	**********	**********	**********	**********	**********	**********
8709251735	**********	**********	**********	**********	**********	**********	**********
8709251745	**********	**********	**********	**********	**********	**********	**********
8709251755	**********	**********	**********	**********	**********	**********	**********
8709251805	**********	**********	**********	**********	**********	**********	**********
8709251815	**********	**********	**********	**********	**********	**********	**********
8709251825	**********	**********	**********	**********	**********	**********	**********
8709251835	**********	**********	**********	**********	**********	**********	**********
8709251845	**********	**********	**********	**********	**********	**********	**********
8709251855	**********	**********	**********	**********	**********	**********	**********
8709251905	**********	**********	**********	**********	**********	**********	**********
8709251915	**********	**********	**********	**********	**********	**********	**********
8709251925	**********	**********	**********	**********	**********	**********	**********
8709251935	**********	**********	**********	**********	**********	**********	**********
8709251945	**********	**********	**********	**********	**********	**********	**********
8709251955	**********	**********	**********	**********	**********	**********	**********
8709252005	**********	**********	**********	**********	**********	**********	**********
8709252015	**********	**********	**********	**********	**********	**********	**********
8709252025	**********	**********	**********	**********	**********	**********	**********
8709252035	**********	**********	**********	**********	**********	**********	**********
8709252045	**********	**********	**********	**********	**********	**********	**********
8709252055	**********	**********	**********	**********	**********	**********	**********
8709252105	**********	**********	**********	**********	**********	**********	**********
8709252115	**********	**********	**********	**********	**********	**********	**********
8709252125	**********	**********	**********	**********	**********	**********	**********

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709260835	**********	**********	**********	**********	**********	**********	**********
8709260845	**********	**********	**********	**********	**********	**********	**********
8709260855	**********	**********	**********	**********	**********	**********	**********
8709260905	**********	**********	**********	**********	**********	**********	**********
8709260915	**********	**********	**********	**********	**********	**********	**********
8709260925	**********	**********	**********	**********	**********	**********	**********
8709260935	**********	**********	**********	**********	**********	**********	**********
8709260945	2.40	288.00	22.50	0.53	0.43	60.16	-0.05
8709260955	1.90	303.00	23.10	0.58	0.26	57.97	-0.24
8709261005	1.95	300.00	23.90	0.65	0.47	129.39	-0.09
8709261015	4.18	298.00	24.90	1.13	0.33	141.03	-0.27
8709261025	3.38	321.00	25.40	0.89	0.45	157.85	-0.13
8709261035	3.88	309.00	25.80	1.34	0.71	151.38	-0.03
8709261045	3.84	314.00	26.10	1.30	0.69	138.44	-0.03
8709261055	4.23	309.00	26.70	1.44	0.71	212.19	-0.04
8709261105	3.48	306.00	27.10	1.91	0.84	229.01	-0.03
8709261115	4.51	313.00	27.20	1.62	0.84	178.55	-0.02
8709261125	3.25	307.00	27.60	1.29	0.69	241.95	-0.05
8709261135	3.41	309.00	27.80	3.94	1.52	226.43	0.00
8709261145	4.67	296.00	28.00	1.27	0.63	166.91	-0.05
8709261155	5.00	308.00	28.40	1.50	0.50	282.06	-0.16
8709261205	4.15	314.00	28.60	1.88	0.99	258.77	-0.02
8709261215	4.02	307.00	28.90	2.46	1.27	209.61	-0.01
8709261225	5.35	311.00	29.00	1.75	0.47	284.65	-0.19
8709261235	5.12	306.00	29.40	2.11	0.87	304.06	-0.03
8709261245	5.21	294.00	29.80	1.91	0.61	367.46	-0.11
8709261255	5.60	304.00	29.70	1.85	0.92	187.61	-0.02
8709261305	**********	**********	**********	**********	**********	**********	**********
8709261315	**********	**********	**********	**********	**********	**********	**********
8709261325	**********	**********	**********	**********	**********	**********	**********
8709261335	**********	**********	**********	**********	**********	**********	**********
8709261345	**********	**********	**********	**********	**********	**********	**********
8709261355	**********	**********	**********	**********	**********	**********	**********
8709261405	**********	**********	**********	**********	**********	**********	**********
8709261415	**********	**********	**********	**********	**********	**********	**********
8709261425	**********	**********	**********	**********	**********	**********	**********
8709261435	**********	**********	**********	**********	**********	**********	**********
8709261445	**********	**********	**********	**********	**********	**********	**********
8709261455	**********	**********	**********	**********	**********	**********	**********
8709261505	**********	**********	**********	**********	**********	**********	**********
8709261515	**********	**********	**********	**********	**********	**********	**********
8709261525	**********	**********	**********	**********	**********	**********	**********
8709261535	**********	**********	**********	**********	**********	**********	**********
8709261545	**********	**********	**********	**********	**********	**********	**********
8709261555	**********	**********	**********	**********	**********	**********	**********
8709261605	**********	**********	**********	**********	**********	**********	**********
8709261615	**********	**********	**********	**********	**********	**********	**********
8709261625	**********	**********	**********	**********	**********	**********	**********
8709261635	**********	**********	**********	**********	**********	**********	**********
8709261645	**********	**********	**********	**********	**********	**********	**********
8709261655	**********	**********	**********	**********	**********	**********	**********
8709261705	**********	**********	**********	**********	**********	**********	**********
8709261715	**********	**********	**********	**********	**********	**********	**********
8709261725	**********	**********	**********	**********	**********	**********	**********
8709261735	**********	**********	**********	**********	**********	**********	**********
8709261745	**********	**********	**********	**********	**********	**********	**********
8709261755	**********	**********	**********	**********	**********	**********	**********
8709261805	**********	**********	**********	**********	**********	**********	**********
8709261815	**********	**********	**********	**********	**********	**********	**********
8709261825	**********	**********	**********	**********	**********	**********	**********
8709261835	**********	**********	**********	**********	**********	**********	**********
8709261845	**********	**********	**********	**********	**********	**********	**********

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709280315	**********	**********	**********	**********	**********	**********	**********
8709280325	**********	**********	**********	**********	**********	**********	**********
8709280335	**********	**********	**********	**********	**********	**********	**********
8709280345	**********	**********	**********	**********	**********	**********	**********
8709280355	**********	**********	**********	**********	**********	**********	**********
8709280405	**********	**********	**********	**********	**********	**********	**********
8709280415	**********	**********	**********	**********	**********	**********	**********
8709280425	**********	**********	**********	**********	**********	**********	**********
8709280435	**********	**********	**********	**********	**********	**********	**********
8709280445	**********	**********	**********	**********	**********	**********	**********
8709280455	**********	**********	**********	**********	**********	**********	**********
8709280505	**********	**********	**********	**********	**********	**********	**********
8709280515	**********	**********	**********	**********	**********	**********	**********
8709280525	**********	**********	**********	**********	**********	**********	**********
8709280535	**********	**********	**********	**********	**********	**********	**********
8709280545	**********	**********	**********	**********	**********	**********	**********
8709280555	**********	**********	**********	**********	**********	**********	**********
8709280605	**********	**********	**********	**********	**********	**********	**********
8709280615	**********	**********	**********	**********	**********	**********	**********
8709280625	**********	**********	**********	**********	**********	**********	**********
8709280635	**********	**********	**********	**********	**********	**********	**********
8709280645	**********	**********	**********	**********	**********	**********	**********
8709280655	**********	**********	**********	**********	**********	**********	**********
8709280705	**********	**********	**********	**********	**********	**********	**********
8709280715	**********	**********	**********	**********	**********	**********	**********
8709280725	**********	**********	**********	**********	**********	**********	**********
8709280735	**********	**********	**********	**********	**********	**********	**********
8709280745	**********	**********	**********	**********	**********	**********	**********
8709280755	**********	**********	**********	**********	**********	**********	**********
8709280805	**********	**********	**********	**********	**********	**********	**********
8709280815	**********	**********	**********	**********	**********	**********	**********
8709280825	**********	**********	**********	**********	**********	**********	**********
8709280835	**********	**********	**********	**********	**********	**********	**********
8709280845	**********	**********	**********	**********	**********	**********	**********
8709280855	**********	**********	**********	**********	**********	**********	**********
8709280905	**********	**********	**********	**********	**********	**********	**********
8709280915	**********	**********	**********	**********	**********	**********	**********
8709280925	**********	**********	**********	**********	**********	**********	**********
8709280935	**********	**********	**********	**********	**********	**********	**********
8709280945	**********	**********	**********	**********	**********	**********	**********
8709280955	**********	**********	**********	**********	**********	**********	**********
8709281005	2.34	249.00	27.20	0.16	0.21	38.30	-0.31
8709281015	2.20	260.00	28.10	0.26	0.34	143.62	-0.26
8709281025	2.38	261.00	28.40	0.19	0.18	105.97	-1.38
8709281035	2.64	268.00	28.60	0.30	0.21	101.44	-0.80
8709281045	2.96	265.00	28.80	0.20	0.09	93.68	-10.28
8709281055	2.60	257.00	29.40	0.32	0.31	138.44	-0.32
8709281105	2.56	257.00	29.90	0.39	0.36	151.38	-0.23
8709281115	2.75	261.00	30.30	0.46	0.35	147.50	-0.25
8709281125	2.68	273.00	31.00	0.94	0.31	186.32	-0.42
8709281135	2.45	303.00	31.20	0.84	0.65	130.68	-0.03
8709281145	3.17	287.00	31.70	0.61	0.39	147.50	-0.18
8709281155	2.71	289.00	31.90	0.97	0.43	173.38	-0.16
8709281205	3.02	301.00	32.30	0.82	0.56	182.44	-0.07
8709281215	2.98	284.00	32.80	1.19	0.77	157.85	-0.02
8709281225	3.05	293.00	33.00	0.97	0.24	192.79	-0.91
8709281235	1.99	285.00	33.40	1.48	0.44	227.72	-0.19
8709281245	2.80	280.00	33.70	0.91	0.32	196.67	-0.42
8709281255	2.67	279.00	34.10	1.61	0.71	205.73	-0.04
8709281305	2.06	280.00	34.10	1.19	0.63	168.20	-0.05
8709281315	2.38	284.00	34.70	0.99	0.46	305.35	-0.21
8709281325	1.95	261.00	34.90	1.05	0.23	194.08	-1.16

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709281355	1.50	259.00	35.50	0.81	0.60	178.55	-0.06
8709281405	1.45	315.00	35.70	1.82	0.18	121.37	-1.47
8709281415	2.24	273.00	35.80	1.05	0.71	182.44	-0.03
8709281425	**********	**********	**********	**********	**********	**********	**********
8709281435	**********	**********	**********	**********	**********	**********	**********
8709281445	**********	**********	**********	**********	**********	**********	**********
8709281455	**********	**********	**********	**********	**********	**********	**********
8709281505	**********	**********	**********	**********	**********	**********	**********
8709281515	**********	**********	**********	**********	**********	**********	**********
8709281525	**********	**********	**********	**********	**********	**********	**********
8709281535	**********	**********	**********	**********	**********	**********	**********
8709281545	**********	**********	**********	**********	**********	**********	**********
8709281555	**********	**********	**********	**********	**********	**********	**********
8709281605	**********	**********	**********	**********	**********	**********	**********
8709281615	**********	**********	**********	**********	**********	**********	**********
8709281625	**********	**********	**********	**********	**********	**********	**********
8709281635	**********	**********	**********	**********	**********	**********	**********
8709281645	**********	**********	**********	**********	**********	**********	**********
8709281655	**********	**********	**********	**********	**********	**********	**********
8709281705	**********	**********	**********	**********	**********	**********	**********
8709281715	**********	**********	**********	**********	**********	**********	**********
8709281725	**********	**********	**********	**********	**********	**********	**********
8709281735	**********	**********	**********	**********	**********	**********	**********
8709281745	**********	**********	**********	**********	**********	**********	**********
8709281755	**********	**********	**********	**********	**********	**********	**********
8709281805	**********	**********	**********	**********	**********	**********	**********
8709281815	**********	**********	**********	**********	**********	**********	**********
8709281825	**********	**********	**********	**********	**********	**********	**********
8709281835	**********	**********	**********	**********	**********	**********	**********
8709281845	**********	**********	**********	**********	**********	**********	**********
8709281855	**********	**********	**********	**********	**********	**********	**********
8709281905	**********	**********	**********	**********	**********	**********	**********
8709281915	**********	**********	**********	**********	**********	**********	**********
8709281925	**********	**********	**********	**********	**********	**********	**********
8709281935	**********	**********	**********	**********	**********	**********	**********
8709281945	**********	**********	**********	**********	**********	**********	**********
8709281955	**********	**********	**********	**********	**********	**********	**********
8709282005	**********	**********	**********	**********	**********	**********	**********
8709282015	**********	**********	**********	**********	**********	**********	**********
8709282025	**********	**********	**********	**********	**********	**********	**********
8709282035	**********	**********	**********	**********	**********	**********	**********
8709282045	**********	**********	**********	**********	**********	**********	**********
8709282055	**********	**********	**********	**********	**********	**********	**********
8709282105	**********	**********	**********	**********	**********	**********	**********
8709282115	**********	**********	**********	**********	**********	**********	**********
8709282125	**********	**********	**********	**********	**********	**********	**********
8709282135	**********	**********	**********	**********	**********	**********	**********
8709282145	**********	**********	**********	**********	**********	**********	**********
8709282155	**********	**********	**********	**********	**********	**********	**********
8709282205	**********	**********	**********	**********	**********	**********	**********
8709282215	**********	**********	**********	**********	**********	**********	**********
8709282225	**********	**********	**********	**********	**********	**********	**********
8709282235	**********	**********	**********	**********	**********	**********	**********
8709282245	**********	**********	**********	**********	**********	**********	**********
8709282255	**********	**********	**********	**********	**********	**********	**********
8709282305	**********	**********	**********	**********	**********	**********	**********
8709282315	**********	**********	**********	**********	**********	**********	**********
8709282325	**********	**********	**********	**********	**********	**********	**********
8709282335	**********	**********	**********	**********	**********	**********	**********
8709282345	**********	**********	**********	**********	**********	**********	**********
8709282355	**********	**********	**********	**********	**********	**********	**********
8709290005	**********	**********	**********	**********	**********	**********	**********

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8710010555	**********	**********	**********	**********	**********	**********	**********
8710010605	**********	**********	**********	**********	**********	**********	**********
8710010615	**********	**********	**********	**********	**********	**********	**********
8710010625	**********	**********	**********	**********	**********	**********	**********
8710010635	**********	**********	**********	**********	**********	**********	**********
8710010645	**********	**********	**********	**********	**********	**********	**********
8710010655	**********	**********	**********	**********	**********	**********	**********
8710010705	**********	**********	**********	**********	**********	**********	**********
8710010715	**********	**********	**********	**********	**********	**********	**********
8710010725	**********	**********	**********	**********	**********	**********	**********
8710010735	**********	**********	**********	**********	**********	**********	**********
8710010745	**********	**********	**********	**********	**********	**********	**********
8710010755	**********	**********	**********	**********	**********	**********	**********
8710010805	**********	**********	**********	**********	**********	**********	**********
8710010815	**********	**********	**********	**********	**********	**********	**********
8710010825	**********	**********	**********	**********	**********	**********	**********
8710010835	**********	**********	**********	**********	**********	**********	**********
8710010845	**********	**********	**********	**********	**********	**********	**********
8710010855	**********	**********	**********	**********	**********	**********	**********
8710010905	**********	**********	**********	**********	**********	**********	**********
8710010915	**********	**********	**********	**********	**********	**********	**********
8710010925	**********	**********	**********	**********	**********	**********	**********
8710010935	**********	**********	**********	**********	**********	**********	**********
8710010945	**********	**********	**********	**********	**********	**********	**********
8710010955	**********	**********	**********	**********	**********	**********	**********
8710011005	**********	**********	**********	**********	**********	**********	**********
8710011015	**********	**********	**********	**********	**********	**********	**********
8710011025	**********	**********	**********	**********	**********	**********	**********
8710011035	**********	**********	**********	**********	**********	**********	**********
8710011045	**********	**********	**********	**********	**********	**********	**********
8710011055	**********	**********	**********	**********	**********	**********	**********
8710011105	**********	**********	**********	**********	**********	**********	**********
8710011115	**********	**********	**********	**********	**********	**********	**********
8710011125	**********	**********	**********	**********	**********	**********	**********
8710011135	**********	**********	**********	**********	**********	**********	**********
8710011145	**********	**********	**********	**********	**********	**********	**********
8710011155	**********	**********	**********	**********	**********	**********	**********
8710011205	**********	**********	**********	**********	**********	**********	**********
8710011215	**********	**********	**********	**********	**********	**********	**********
8710011225	**********	**********	**********	**********	**********	**********	**********
8710011235	**********	**********	**********	**********	**********	**********	**********
8710011245	2.39	294.00	35.20	0.67	0.29	200.55	-0.55
8710011255	1.97	290.00	35.90	0.95	0.60	230.31	-0.07
8710011305	2.86	287.00	36.10	0.62	0.40	137.15	-0.14
8710011315	2.35	293.00	36.50	0.75	0.57	165.62	-0.06
8710011325	2.91	299.00	36.80	0.97	0.59	129.39	-0.04
8710011335	2.80	290.00	37.30	1.30	0.73	207.02	-0.04
8710011345	3.12	309.00	37.10	0.94	0.41	139.74	-0.14
8710011355	3.54	306.00	37.30	0.99	0.43	150.09	-0.13
8710011405	3.71	305.00	37.50	1.01	0.50	187.61	-0.10
8710011415	3.11	301.00	37.90	1.79	0.98	231.60	-0.02
8710011425	2.44	270.00	38.00	1.08	0.43	163.03	-0.14
8710011435	2.87	263.00	37.80	0.77	0.31	95.36	-0.21
8710011445	**********	**********	**********	**********	**********	**********	**********
8710011455	**********	**********	**********	**********	**********	**********	**********
8710011505	**********	**********	**********	**********	**********	**********	**********
8710011515	**********	**********	**********	**********	**********	**********	**********
8710011525	**********	**********	**********	**********	**********	**********	**********
8710011535	**********	**********	**********	**********	**********	**********	**********
8710011545	**********	**********	**********	**********	**********	**********	**********
8710011555	**********	**********	**********	**********	**********	**********	**********
8710011605	**********	**********	**********	**********	**********	**********	**********

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8710020315	**********	**********	**********	**********	**********	**********	**********
8710020325	**********	**********	**********	**********	**********	**********	**********
8710020335	**********	**********	**********	**********	**********	**********	**********
8710020345	**********	**********	**********	**********	**********	**********	**********
8710020355	**********	**********	**********	**********	**********	**********	**********
8710020405	**********	**********	**********	**********	**********	**********	**********
8710020415	**********	**********	**********	**********	**********	**********	**********
8710020425	**********	**********	**********	**********	**********	**********	**********
8710020435	**********	**********	**********	**********	**********	**********	**********
8710020445	**********	**********	**********	**********	**********	**********	**********
8710020455	**********	**********	**********	**********	**********	**********	**********
8710020505	**********	**********	**********	**********	**********	**********	**********
8710020515	**********	**********	**********	**********	**********	**********	**********
8710020525	**********	**********	**********	**********	**********	**********	**********
8710020535	**********	**********	**********	**********	**********	**********	**********
8710020545	**********	**********	**********	**********	**********	**********	**********
8710020555	**********	**********	**********	**********	**********	**********	**********
8710020605	**********	**********	**********	**********	**********	**********	**********
8710020615	**********	**********	**********	**********	**********	**********	**********
8710020625	**********	**********	**********	**********	**********	**********	**********
8710020635	**********	**********	**********	**********	**********	**********	**********
8710020645	**********	**********	**********	**********	**********	**********	**********
8710020655	**********	**********	**********	**********	**********	**********	**********
8710020705	**********	**********	**********	**********	**********	**********	**********
8710020715	**********	**********	**********	**********	**********	**********	**********
8710020725	**********	**********	**********	**********	**********	**********	**********
8710020735	**********	**********	**********	**********	**********	**********	**********
8710020745	**********	**********	**********	**********	**********	**********	**********
8710020755	**********	**********	**********	**********	**********	**********	**********
8710020805	**********	**********	**********	**********	**********	**********	**********
8710020815	**********	**********	**********	**********	**********	**********	**********
8710020825	**********	**********	**********	**********	**********	**********	**********
8710020835	**********	**********	**********	**********	**********	**********	**********
8710020845	**********	**********	**********	**********	**********	**********	**********
8710020855	**********	**********	**********	**********	**********	**********	**********
8710020905	**********	**********	**********	**********	**********	**********	**********
8710020915	**********	**********	**********	**********	**********	**********	**********
8710020925	**********	**********	**********	**********	**********	**********	**********
8710020935	**********	**********	**********	**********	**********	**********	**********
8710020945	**********	**********	**********	**********	**********	**********	**********
8710020955	**********	**********	**********	**********	**********	**********	**********
8710021005	**********	**********	**********	**********	**********	**********	**********
8710021015	**********	**********	**********	**********	**********	**********	**********
8710021025	**********	**********	**********	**********	**********	**********	**********
8710021035	**********	**********	**********	**********	**********	**********	**********
8710021045	**********	**********	**********	**********	**********	**********	**********
8710021055	**********	**********	**********	**********	**********	**********	**********
8710021105	**********	**********	**********	**********	**********	**********	**********
8710021115	**********	**********	**********	**********	**********	**********	**********
8710021125	**********	**********	**********	**********	**********	**********	**********
8710021135	**********	**********	**********	**********	**********	**********	**********
8710021145	**********	**********	**********	**********	**********	**********	**********
8710021155	**********	**********	**********	**********	**********	**********	**********
8710021205	2.97	281.00	32.90	0.58	0.26	156.56	-0.64
8710021215	1.80	270.00	33.20	0.77	0.39	135.86	-0.16
8710021225	2.09	275.00	33.80	0.64	0.20	179.85	-1.49
8710021235	2.23	281.00	34.10	1.08	0.70	205.73	-0.04
8710021245	2.19	254.00	34.40	0.60	0.48	197.96	-0.12

Appendix D

Listing of data from sonic B (corresponds to plots in Appendix B)

Table format:

0.	time grup for start of the 10-min sampling period		(yymmddhhmm)
1.	mean wind speed	$\bar{u}$	[m/s]
2.	mean direction	$\bar{D}$	[degrees]
3.	mean temperature	$\bar{T}$	[°C]
4.	total energy	e	[m^2/s^2]
5.	stress	u_*	[m/s]
6.	total heat flux	H	[watt/m^2]
7.	stability parameter	$\xi \equiv \frac{z}{L}$	(z = 7.0 m)

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709201055	4.00	261.90	26.10	0.34	0.11	69.61	-4.26
8709201105	3.33	259.00	26.70	0.45	0.30	78.93	-0.21
8709201115	2.91	271.50	27.30	0.95	0.62	186.32	-0.05
8709201125	2.42	269.40	27.90	0.67	0.43	229.01	-0.20
8709201135	2.74	244.70	28.10	0.33	0.27	175.97	-0.60
8709201145	2.59	241.10	28.70	0.40	0.30	157.85	-0.41
8709201155	2.85	251.50	29.00	0.30	0.17	113.21	-1.54
8709201205	2.23	234.90	29.70	0.60	0.36	166.91	-0.25
8709201215	2.79	246.60	30.00	0.51	0.27	190.20	-0.68
8709201225	2.82	242.10	30.60	0.50	0.40	196.67	-0.21
8709201235	2.96	252.40	30.90	0.54	0.28	161.73	-0.50
8709201245	3.37	258.60	31.40	0.59	0.27	201.84	-0.70
8709201255	3.04	249.20	31.60	1.07	0.46	178.55	-0.13
8709201305	2.99	252.30	31.70	0.77	0.33	173.38	-0.34
8709201315	3.56	252.40	31.90	0.60	0.19	135.86	-1.36
8709201325	2.92	254.50	32.10	0.93	0.31	216.08	-0.50
8709201335	3.02	254.30	32.30	0.96	0.70	190.20	-0.04
8709201345	3.57	241.10	32.70	0.64	0.29	170.79	-0.48
8709201355	2.76	239.60	32.80	0.82	0.35	168.20	-0.26
8709201405	2.38	265.90	33.20	0.75	0.48	223.84	-0.14
8709201415	3.08	244.00	33.40	0.68	0.30	133.27	-0.34
8709201425	2.61	257.50	33.70	0.80	0.31	241.95	-0.55
8709201435	3.16	252.70	33.80	0.69	0.37	168.20	-0.23
8709201445	2.13	247.40	34.00	0.83	0.44	178.55	-0.14
8709201455	2.24	248.30	34.20	0.68	0.39	135.86	-0.16
8709201505	2.53	251.00	34.60	0.71	0.33	194.08	-0.38
8709201515	2.40	243.10	34.70	1.11	0.61	96.65	-0.03
8709201525	2.82	259.20	34.80	0.96	0.33	168.20	-0.31
8709201535	2.73	260.70	34.80	0.85	0.23	107.91	-0.61
8709201545	1.96	240.50	35.10	0.77	0.33	129.39	-0.26
8709201555	3.11	261.40	35.00	0.93	0.24	120.20	-0.63
8709201605	1.78	239.50	35.40	0.87	0.36	114.90	-0.17
8709201615	2.29	249.90	35.30	0.50	0.35	63.79	-0.11
8709201625	2.28	245.30	35.60	0.48	0.33	124.99	-0.25
8709201635	2.51	252.10	35.50	0.78	0.20	74.14	-0.66
8709201645	3.03	254.80	35.30	0.51	0.48	33.77	-0.02
8709201655	2.48	252.10	35.40	0.43	0.13	39.33	-1.15
8709201705	1.77	261.10	35.50	0.57	0.52	40.24	-0.02
8709201715	2.62	268.10	35.50	0.86	0.53	42.05	-0.02
8709201725	2.37	263.00	35.30	0.91	0.78	18.63	0.00
8709201735	3.00	256.90	35.10	0.18	0.08	3.13	-0.49
8709201745	2.44	254.00	34.90	0.12	0.19	-3.23	0.03
8709201755	2.92	266.70	34.70	0.13	0.23	-12.25	0.07
8709201805	3.08	262.10	34.30	0.10	0.16	-16.04	0.25
8709201815	2.38	252.70	33.80	0.06	0.14	0.15	0.00
8709201825	1.16	263.70	32.50	0.17	0.35	-61.72	0.10
8709201835	0.40	220.00	31.50	0.03	0.14	-15.66	0.38
8709201845	0.60	77.00	30.20	0.35	0.56	63.14	-0.02
8709201855	1.78	89.00	29.10	0.11	0.25	10.60	-0.05
8709201905	1.45	73.00	27.30	0.12	0.14	-23.55	0.60
8709201915	1.32	67.00	26.90	0.10	0.20	2.94	-0.03
8709201925	1.46	62.00	26.70	0.30	0.28	-46.19	0.16
8709201935	1.47	46.00	26.00	0.30	0.28	-94.06	0.29
8709201945	0.80	59.00	25.50	0.05	0.16	-12.29	0.23
8709201955	1.10	30.00	24.60	0.56	0.36	3.47	-0.01
8709202005	0.25	112.00	24.20	0.24	0.14	-30.02	0.71
8709202015	0.70	71.00	24.20	0.26	0.27	-14.49	0.05
8709202025	1.21	88.00	23.60	0.22	0.12	2.72	-0.10
8709202035	0.71	97.00	23.50	0.18	0.21	-42.70	0.33
8709202045	0.87	55.00	23.70	0.22	0.23	-24.84	0.15
8709202055	0.77	55.00	23.20	0.17	0.12	8.07	-0.31
8709202105	1.07	74.00	22.70	0.20	0.18	-29.76	0.35

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709202135	1.00	95.00	21.90	0.37	0.36	-72.20	0.11
8709202145	2.08	77.00	21.90	0.15	0.18	-9.25	0.11
8709202155	1.59	75.00	21.60	0.17	0.21	1.33	-0.01
8709202205	2.01	85.00	20.90	0.37	0.22	-37.65	0.27
8709202215	1.74	85.00	20.90	0.27	0.24	-65.21	0.32
8709202225	1.82	75.00	20.50	0.28	0.09	-20.57	1.94
8709202235	1.31	80.00	21.00	0.23	0.25	-18.24	0.08
8709202245	1.71	76.00	20.60	0.14	0.10	-22.64	1.46
8709202255	1.43	82.00	20.30	0.40	0.23	-44.51	0.28
8709202305	1.68	76.00	20.30	0.31	0.22	-39.59	0.25
8709202315	1.56	72.00	20.10	0.14	0.22	-25.10	0.16
8709202325	1.20	58.00	20.30	0.21	0.36	-7.25	0.01
8709202335	1.07	39.00	19.80	0.10	0.17	4.37	-0.06
8709202345	0.70	46.00	19.40	0.15	0.12	-50.72	2.00
8709202355	0.83	32.00	19.40	0.15	0.13	-7.30	0.24
8709210005	1.12	87.00	19.60	0.25	0.16	-22.13	0.42
8709210015	0.91	68.00	19.10	0.20	0.17	-23.29	0.33
8709210025	0.87	53.00	19.30	0.20	0.24	-41.02	0.21
8709210035	1.40	56.00	19.50	0.24	0.27	-21.35	0.08
8709210045	0.89	53.00	19.00	0.08	0.10	-16.82	1.29
8709210055	0.25	338.00	18.70	0.14	0.22	2.77	-0.02
8709210105	0.70	49.00	18.60	0.19	0.23	-50.85	0.32
8709210115	0.64	69.00	19.00	0.26	0.28	-15.91	0.06
8709210125	0.21	113.00	19.00	0.24	0.33	25.49	-0.05
8709210135	0.58	50.00	19.80	0.15	0.25	-30.15	0.13
8709210145	1.67	71.00	19.00	0.15	0.11	-24.32	1.25
8709210155	0.97	68.00	18.40	0.23	0.34	-12.94	0.02
8709210205	1.10	37.00	18.30	0.29	0.22	-0.22	0.00
8709210215	0.83	55.00	18.40	0.05	0.11	-15.53	0.86
8709210225	1.26	59.00	17.50	0.07	0.21	-19.41	0.14
8709210235	0.87	47.00	18.40	0.10	0.15	-65.21	1.39
8709210245	0.95	53.00	18.10	0.08	0.13	-13.59	0.45
8709210255	0.56	70.00	17.10	0.09	0.17	12.51	-0.17
8709210305	0.25	304.60	17.50	0.06	0.14	-5.99	0.18
8709210315	0.57	54.00	17.30	0.11	0.17	-16.17	0.23
8709210325	0.71	51.00	17.40	0.07	0.09	-18.24	1.66
8709210335	0.69	47.00	16.20	0.05	0.13	-7.54	0.26
8709210345	0.19	154.00	16.50	0.18	0.19	39.59	-0.45
8709210355	0.97	58.00	16.00	0.10	0.22	1.82	-0.01
8709210405	0.51	54.00	16.30	0.30	0.42	23.29	-0.02
8709210415	0.72	29.00	16.30	0.09	0.12	-4.50	0.20
8709210425	0.35	53.00	16.00	0.06	0.13	-26.78	0.84
8709210435	1.03	59.00	16.80	0.09	0.16	-19.15	0.32
8709210445	0.88	36.00	16.20	0.11	0.13	-1.33	0.05
8709210455	1.10	73.00	17.20	0.13	0.20	-3.35	0.03
8709210505	1.30	88.00	16.90	0.10	0.13	-46.06	1.44
8709210515	0.14	321.10	16.70	0.11	0.21	61.59	-0.48
8709210525	1.10	80.00	17.60	0.10	0.13	-8.50	0.25
8709210535	0.26	99.00	17.40	0.23	0.32	-143.62	0.32
8709210545	0.55	13.00	16.90	0.22	0.29	-9.42	0.03
8709210555	1.08	67.00	16.70	0.12	0.13	-5.38	0.17
8709210605	1.07	53.00	17.00	0.09	0.21	-27.43	0.22
8709210615	0.49	36.00	16.00	0.18	0.23	9.91	-0.06
8709210625	0.63	109.00	16.10	0.28	0.36	8.58	-0.01
8709210635	0.27	4.40	15.90	0.47	0.54	333.82	-0.16
8709210645	0.77	72.00	16.00	0.07	0.17	-8.22	0.13
8709210655	0.11	39.00	16.20	0.08	0.11	-31.96	1.57
8709210705	0.50	51.00	15.10	0.09	0.16	38.69	-0.67
8709210715	0.53	83.00	16.10	0.07	0.17	0.84	-0.01
8709210725	0.37	71.00	15.90	0.06	0.10	6.29	-0.47
8709210735	0.64	87.00	15.70	0.10	0.27	-1.44	0.01
8709210745	0.59	50.00	16.10	0.12	0.18	-22.38	0.29

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709210815	0.40	129.00	17.90	0.09	0.19	23.81	-0.27
8709210825	0.86	352.40	18.80	0.08	0.21	-21.74	0.16
8709210835	0.49	77.00	19.40	0.11	0.21	46.84	-0.36
8709210845	0.23	16.00	20.50	0.09	0.19	-14.62	0.15
8709210855	0.46	282.00	21.80	0.28	0.35	27.04	-0.04
8709210905	0.37	231.80	23.00	0.22	0.27	40.37	-0.15
8709210915	0.32	115.00	24.20	0.08	0.18	-13.46	0.15
8709210925	0.81	257.00	25.80	0.16	0.20	40.63	-0.35
8709210935	2.17	239.70	26.60	0.28	0.23	39.59	-0.24
8709210945	2.69	242.10	27.40	0.26	0.27	35.45	-0.12
8709210955	2.50	234.20	28.20	0.11	0.09	51.11	-4.44
8709211005	2.78	253.20	28.60	0.58	0.58	113.34	-0.04
8709211015	3.47	263.30	28.50	0.23	0.22	78.80	-0.54
8709211025	3.58	258.20	28.90	0.32	0.30	81.00	-0.21
8709211035	3.25	241.70	29.30	0.28	0.35	85.65	-0.15
8709211045	3.17	243.90	29.80	0.56	0.47	83.33	-0.06
8709211055	3.22	248.00	30.30	0.37	0.24	147.50	-0.73
8709211105	3.56	245.90	30.60	0.32	0.22	164.32	-1.08
8709211115	3.27	242.60	30.80	0.43	0.39	139.74	-0.16
8709211125	3.24	245.70	31.30	0.38	0.26	72.59	-0.28
8709211135	2.96	245.00	31.90	0.50	0.18	131.97	-1.71
8709211145	3.25	242.70	32.30	0.45	0.25	126.54	-0.55
8709211155	3.03	254.30	33.10	0.71	0.25	181.14	-0.82
8709211205	2.99	256.80	33.80	0.85	0.33	179.85	-0.33
8709211215	3.31	294.90	34.10	1.19	0.65	129.39	-0.03
8709211225	2.64	299.20	34.80	1.45	0.46	187.61	-0.13
8709211235	3.54	278.10	35.10	1.84	0.68	186.32	-0.04
8709211245	2.52	295.60	35.50	3.12	0.90	258.77	-0.02
8709211255	3.55	254.90	35.90	1.02	0.38	160.44	-0.20
8709211305	4.60	247.10	36.20	0.96	0.31	178.55	-0.42
8709211315	4.23	256.60	36.30	1.77	0.23	168.20	-0.97
8709211325	2.95	262.80	37.30	1.52	0.62	195.37	-0.06
8709211335	4.08	269.60	37.50	1.77	0.82	159.15	-0.02
8709211345	4.28	268.80	37.80	2.09	0.96	179.85	-0.01
8709211355	3.46	256.40	38.00	3.21	0.50	114.90	-0.06
8709211405	2.64	319.90	38.20	1.59	0.84	123.82	-0.01
8709211415	3.28	309.20	38.50	2.34	0.61	129.26	-0.04
8709211425	3.55	307.40	38.50	2.52	0.99	94.32	-0.01
8709211435	3.26	294.70	38.70	1.59	0.28	123.05	-0.38
8709211445	3.67	315.50	39.00	2.14	0.99	128.87	-0.01
8709211455	3.17	301.80	39.00	2.26	0.42	159.15	-0.14
8709211505	4.75	287.90	38.90	3.20	0.66	146.21	-0.03
8709211515	3.66	281.50	39.20	2.63	0.61	98.46	-0.03
8709211525	4.02	258.60	39.40	2.23	1.02	218.66	-0.01
8709211535	3.95	284.00	39.40	3.65	0.53	123.56	-0.06
8709211545	4.55	263.40	39.40	2.20	0.76	116.97	-0.02
8709211555	5.17	266.20	39.30	2.06	0.82	74.53	-0.01
8709211605	4.78	274.30	39.50	2.44	0.73	82.16	-0.01
8709211615	3.50	270.40	39.70	2.16	0.58	96.26	-0.03
8709211625	3.59	290.80	39.60	3.95	0.44	56.15	-0.04
8709211635	4.49	278.20	39.70	3.42	1.25	61.98	0.00
8709211645	4.22	278.60	39.70	2.28	0.41	34.55	-0.03
8709211655	3.81	272.00	39.60	1.70	0.73	18.50	0.00
8709211705	3.31	272.60	39.70	1.80	0.88	16.82	0.00
8709211715	5.01	268.90	39.30	2.92	1.22	30.15	0.00
8709211725	4.01	268.40	39.30	2.12	0.58	3.74	0.00
8709211735	4.16	256.10	39.00	1.91	0.77	-5.20	0.00
8709211745	4.81	261.00	38.80	1.18	0.36	-26.65	0.04
8709211755	4.58	254.50	38.50	0.86	0.46	-36.23	0.03
8709211805	3.73	250.30	38.30	0.52	0.26	-42.83	0.16
8709211815	2.68	244.20	38.00	0.37	0.22	-17.86	0.11
8709211825	2.40	246.40	37.60	0.13	0.19	-14.62	0.16

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709211855	1.32	76.00	32.50	0.12	0.25	29.37	-0.13
8709211905	1.53	49.00	31.50	0.13	0.12	-3.45	0.14
8709211915	1.40	49.00	30.50	0.15	0.27	28.59	-0.10
8709211925	0.83	44.00	30.10	0.12	0.26	-8.59	0.03
8709211935	1.47	26.00	29.10	0.14	0.17	-42.31	0.59
8709211945	1.33	38.00	29.10	0.05	0.09	-8.36	0.72
8709211955	1.57	54.00	28.30	0.06	0.10	-47.49	3.57
8709212005	1.44	61.00	28.50	0.26	0.25	-36.49	0.16
8709212015	0.98	52.00	28.00	0.34	0.47	-20.31	0.01
8709212025	0.30	233.90	27.30	0.42	0.42	-38.82	0.04
8709212035	1.37	61.00	27.90	0.19	0.15	-33.25	0.65
8709212045	0.97	99.00	26.40	0.53	0.32	-40.76	0.09
8709212055	3.09	54.00	27.80	0.55	0.55	-133.27	0.06
8709212105	2.28	48.00	28.00	0.62	0.61	-33.12	0.01
8709212115	2.75	53.00	27.90	0.47	0.39	-39.85	0.05
8709212125	2.95	65.00	27.30	0.25	0.26	-26.52	0.11
8709212135	2.95	63.00	26.80	0.41	0.28	-28.85	0.09
8709212145	3.32	77.00	27.00	0.58	0.31	-33.12	0.08
8709212155	0.22	204.10	25.60	0.34	0.36	30.41	-0.05
8709212205	0.62	72.00	25.00	0.78	0.68	-37.26	0.01
8709212215	1.00	76.00	24.90	0.37	0.40	-37.78	0.04
8709212225	2.22	45.00	25.10	0.29	0.33	-133.27	0.27
8709212235	1.81	41.00	24.70	0.39	0.28	-36.36	0.11
8709212245	2.51	51.00	25.10	0.36	0.28	-81.38	0.27
8709212255	2.94	78.00	25.10	0.49	0.46	-51.63	0.04
8709212305	0.70	62.00	24.10	0.42	0.33	-29.50	0.06
8709212315	0.39	75.00	25.60	0.15	0.22	-0.92	0.01
8709212325	0.33	248.00	24.70	0.11	0.23	-2.57	0.02
8709212335	0.59	43.00	24.40	0.24	0.24	1.16	-0.01
8709212345	0.82	48.00	24.00	0.55	0.43	-7.35	0.01
8709212355	0.45	133.00	24.30	0.25	0.35	-52.40	0.09
8709220005	0.52	9.70	21.80	0.33	0.50	26.01	-0.01
8709220015	0.55	236.30	22.60	0.14	0.24	-89.79	0.46
8709220025	0.30	60.00	22.30	0.09	0.19	46.97	-0.50
8709220035	1.41	41.00	22.80	0.44	0.35	-68.06	0.11
8709220045	1.27	69.00	23.40	0.46	0.32	-44.12	0.10
8709220055	1.70	68.00	24.10	0.20	0.19	-48.13	0.51
8709220105	1.49	69.00	23.20	0.28	0.39	-22.38	0.03
8709220115	1.75	68.00	22.70	0.28	0.22	-25.62	0.17
8709220125	0.35	125.00	22.40	0.39	0.36	-37.52	0.06
8709220135	1.25	85.00	21.70	0.28	0.39	23.94	-0.03
8709220145	0.80	63.00	21.90	0.30	0.26	-73.88	0.32
8709220155	1.17	55.00	21.60	0.15	0.20	-36.88	0.32
8709220205	1.61	66.00	21.50	0.28	0.17	4.96	-0.07
8709220215	1.00	67.00	22.00	0.33	0.31	-51.37	0.12
8709220225	1.63	52.00	21.40	0.24	0.20	-46.97	0.42
8709220235	0.48	2.50	21.00	0.18	0.27	-111.40	0.40
8709220245	0.73	203.50	20.70	0.33	0.33	14.10	-0.03
8709220255	1.05	55.00	20.10	0.44	0.28	-31.31	0.10
8709220305	0.37	186.30	20.10	0.51	0.59	6.02	0.00
8709220315	0.83	63.00	19.90	0.14	0.14	29.11	-0.82
8709220325	0.74	60.00	19.00	0.17	0.25	5.96	-0.03
8709220335	0.77	25.00	19.30	0.25	0.31	-35.58	0.09
8709220345	0.54	70.00	17.90	0.12	0.25	-8.62	0.04
8709220355	0.62	88.00	18.20	0.24	0.39	-159.15	0.20
8709220405	0.56	26.00	18.10	0.30	0.32	23.68	-0.05
8709220415	0.75	62.00	17.70	0.57	0.67	-47.10	0.01
8709220425	0.46	36.00	18.40	0.22	0.29	64.05	-0.18
8709220435	0.15	322.80	18.30	0.50	0.55	-156.56	0.07
8709220445	0.91	105.00	18.60	0.66	0.63	13.72	0.00
8709220455	0.84	41.00	17.20	0.32	0.16	-30.02	0.53
8709220505	1.09	68.00	17.40	0.61	0.66	-95.49	0.02

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709220535	1.09	59.00	17.10	0.28	0.42	-41.92	0.04
8709220545	0.26	69.00	17.50	0.12	0.30	-10.58	0.03
8709220555	0.97	65.00	17.10	0.13	0.27	-18.63	0.07
8709220605	0.28	1.80	17.20	0.19	0.31	30.92	-0.08
8709220615	0.66	71.00	16.90	0.08	0.15	1.69	-0.04
8709220625	0.92	40.00	16.70	0.44	0.31	10.52	-0.03
8709220635	0.67	51.00	16.60	0.10	0.18	-2.55	0.03
8709220645	1.01	19.00	16.80	0.07	0.13	-41.40	1.38
8709220655	0.47	44.00	17.10	0.08	0.19	-23.03	0.26
8709220705	0.81	79.00	16.20	0.26	0.25	16.30	-0.08
8709220715	0.33	276.80	16.70	0.10	0.23	-4.45	0.03
8709220725	0.50	7.20	16.70	0.18	0.24	-46.97	0.26
8709220735	0.44	340.20	17.00	0.19	0.32	-5.90	0.01
8709220745	0.30	228.90	17.20	0.12	0.32	-32.86	0.08
8709220755	0.39	298.10	18.40	0.06	0.14	-2.68	0.07
8709220805	0.45	190.60	18.70	0.07	0.16	5.54	-0.10
8709220815	0.32	56.00	18.80	0.08	0.17	-0.05	0.00
8709220825	0.62	344.20	19.90	0.23	0.25	8.14	-0.04
8709220835	0.50	185.40	20.40	0.10	0.29	-7.85	0.02
8709220845	1.28	280.40	21.30	0.32	0.23	25.62	-0.16
8709220855	0.29	151.00	22.30	0.10	0.14	41.66	-1.00
8709220905	0.43	332.10	23.30	0.11	0.19	22.77	-0.24
8709220915	0.31	348.30	24.20	0.25	0.27	118.39	-0.43
8709220925	2.07	227.90	25.20	0.18	0.17	74.14	-1.12
8709220935	2.05	239.80	26.10	0.14	0.21	29.63	-0.23
8709220945	2.74	254.60	26.50	0.36	0.41	28.34	-0.03
8709220955	2.36	252.70	27.20	0.22	0.07	71.68	-13.11
8709221005	2.47	264.60	27.40	0.43	0.40	65.60	-0.07
8709221015	2.65	266.80	28.00	0.45	0.23	58.74	-0.35
8709221025	2.91	266.90	28.30	0.85	0.28	88.24	-0.30
8709221035	3.21	275.50	28.60	0.44	0.27	76.47	-0.28
8709221045	2.90	306.60	28.80	0.61	0.31	127.96	-0.29
8709221055	3.14	273.60	28.80	0.94	0.64	91.35	-0.02
8709221105	2.88	269.80	29.20	0.48	0.43	138.44	-0.13
8709221115	3.05	268.00	29.50	0.64	0.50	146.21	-0.08
8709221125	3.38	265.50	29.60	0.53	0.16	107.91	-1.95
8709221135	3.54	269.60	29.70	0.80	0.34	98.08	-0.18
8709221145	2.88	270.30	30.30	0.71	0.35	161.73	-0.26
8709221155	2.95	262.70	30.50	0.42	0.20	185.02	-1.50
8709221205	2.93	260.10	30.80	0.54	0.51	152.68	-0.08
8709221215	2.93	274.00	31.40	0.51	0.35	169.50	-0.27
8709221225	2.54	265.60	31.70	0.56	0.28	143.62	-0.44
8709221235	3.04	262.50	31.80	0.82	0.29	147.50	-0.41
8709221245	3.24	268.10	32.20	0.50	0.25	134.56	-0.63
8709221255	2.58	271.40	32.50	0.67	0.40	221.25	-0.24
8709221305	2.35	257.00	32.80	1.21	0.28	235.48	-0.78
8709221315	2.40	265.30	33.20	0.60	0.36	192.79	-0.28
8709221325	2.57	249.90	33.30	0.59	0.48	144.91	-0.09
8709221335	3.12	247.80	33.50	0.46	0.36	114.25	-0.17
8709221345	2.25	231.30	34.10	0.86	0.53	232.90	-0.11
8709221355	2.61	246.00	34.30	0.43	0.28	232.90	-0.76
8709221405	2.51	252.10	34.60	0.51	0.35	244.54	-0.38
8709221415	1.91	253.20	34.80	0.81	0.49	107.00	-0.06
8709221425	2.38	264.70	35.10	0.60	0.14	179.85	-4.42
8709221435	1.72	277.80	35.20	0.52	0.27	119.94	-0.42
8709221445	2.37	284.80	35.50	1.00	0.56	165.62	-0.07
8709221455	2.03	254.20	35.70	1.24	0.59	112.18	-0.04
8709221505	2.62	256.90	36.00	1.05	0.48	172.08	-0.11
8709221515	2.50	231.10	36.10	0.57	0.29	164.32	-0.47
8709221525	2.10	251.20	36.00	1.32	0.65	86.69	-0.02
8709221535	2.86	246.70	36.30	1.15	0.41	166.91	-0.16
8709221545	2.90	241.90	36.20	0.61	0.13	70.52	-2.47

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709221615	2.57	221.30	36.30	1.65	0.31	72.97	-0.17
8709221625	2.82	243.70	36.40	0.43	0.23	68.32	-0.37
8709221635	3.98	249.60	36.20	0.62	0.37	64.69	-0.09
8709221645	4.71	234.40	36.00	0.81	0.40	63.27	-0.07
8709221655	4.42	239.50	35.80	0.41	0.23	40.63	-0.24
8709221705	3.81	222.70	35.80	0.93	0.41	39.20	-0.04
8709221715	4.54	229.20	35.50	1.04	0.70	12.94	0.00
8709221725	4.20	228.70	35.20	0.86	0.54	27.82	-0.01
8709221735	3.89	230.20	35.10	0.63	0.30	8.22	-0.02
8709221745	3.44	197.90	35.00	0.74	0.24	10.08	-0.05
8709221755	3.68	194.90	34.90	0.89	0.66	11.18	0.00
8709221805	3.74	204.90	34.60	0.43	0.24	-11.15	0.06
8709221815	2.09	187.40	34.20	0.44	0.24	-22.00	0.11
8709221825	1.92	186.90	33.90	0.23	0.19	-18.24	0.20
8709221835	1.17	183.00	33.20	0.45	0.33	-83.20	0.16
8709221845	0.61	96.00	32.20	0.49	0.05	-11.68	8.47
8709221855	1.22	349.80	31.60	0.33	0.35	22.00	-0.04
8709221905	1.11	16.00	31.40	0.13	0.13	1.00	-0.03
8709221915	1.28	55.00	29.30	0.17	0.27	-64.05	0.22
8709221925	1.00	50.00	28.20	0.26	0.32	-12.43	0.03
8709221935	1.44	18.00	27.70	0.70	0.48	-278.18	0.18
8709221945	1.39	78.00	27.60	0.84	0.62	-53.82	0.02
8709221955	1.56	76.00	27.70	0.85	0.51	-125.89	0.07
8709222005	1.81	46.00	28.80	1.00	0.68	-44.77	0.01
8709222015	2.10	70.00	28.10	0.32	0.34	-30.02	0.06
8709222025	2.80	65.00	28.50	0.40	0.35	-8.93	0.01
8709222035	3.37	74.00	27.60	0.48	0.29	-43.86	0.12
8709222045	3.90	80.00	26.90	0.41	0.43	-27.69	0.02
8709222055	4.36	73.00	26.20	0.29	0.14	-18.63	0.44
8709222105	3.13	72.00	25.40	0.35	0.46	-19.41	0.01
8709222115	2.79	51.00	25.00	0.54	0.42	-50.33	0.05
8709222125	1.79	67.00	24.00	0.48	0.37	-18.37	0.03
8709222135	2.36	47.00	23.80	0.83	0.33	-30.92	0.06
8709222145	0.70	91.00	23.20	0.73	0.76	-66.76	0.01
8709222155	0.69	31.00	22.50	0.26	0.31	-28.85	0.07
8709222205	1.44	52.00	22.20	0.32	0.30	-35.06	0.10
8709222215	1.29	62.00	21.60	0.12	0.18	-18.37	0.24
8709222225	1.49	54.00	21.30	0.22	0.19	-9.17	0.10
8709222235	1.47	49.00	20.90	0.11	0.02	0.29	-1.67
8709222245	0.40	53.00	20.50	0.10	0.27	-34.29	0.12
8709222255	0.83	45.00	20.30	0.17	0.21	-21.74	0.17
8709222305	0.33	44.00	20.30	0.09	0.15	-15.53	0.35
8709222315	0.11	266.20	19.80	0.10	0.09	25.36	-2.64
8709222325	0.27	309.60	19.90	0.11	0.19	3.60	-0.04
8709222335	0.37	121.00	20.10	0.10	0.19	-3.86	0.04
8709222345	1.03	47.00	19.80	0.05	0.06	-1.91	0.62
8709222355	0.12	227.50	19.20	0.11	0.22	40.24	-0.27
8709230005	0.66	46.00	19.70	0.08	0.16	-21.87	0.38
8709230015	1.08	53.00	19.90	0.07	0.11	-11.15	0.56
8709230025	0.83	42.00	19.70	0.11	0.14	-6.37	0.18
8709230035	0.75	47.00	19.10	0.19	0.30	-15.53	0.04
8709230045	0.57	31.00	18.70	0.11	0.24	-9.59	0.05
8709230055	0.91	54.00	18.50	0.15	0.27	-11.04	0.04
8709230105	0.51	49.00	18.50	0.12	0.08	-16.17	2.09
8709230115	0.90	19.00	18.30	0.14	0.23	-21.48	0.13
8709230125	0.45	39.00	17.50	0.19	0.27	-87.85	0.34
8709230135	0.21	23.00	17.70	0.09	0.23	-30.41	0.18
8709230145	0.52	19.00	17.50	0.17	0.17	-21.74	0.34
8709230155	0.24	56.00	17.20	0.08	0.23	-18.76	0.12
8709230205	0.42	83.00	16.80	0.06	0.14	8.32	-0.21
8709230215	0.97	50.00	17.10	0.17	0.19	4.41	-0.04
8709230225	0.75	35.00	16.90	0.08	0.13	-3.36	0.10

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709230255	0.29	131.00	17.00	0.06	0.19	12.33	-0.12
8709230305	0.63	39.00	16.30	0.06	0.14	-3.91	0.11
8709230315	0.65	30.00	16.00	0.09	0.20	-2.03	0.02
8709230325	0.24	32.00	16.10	0.07	0.17	24.71	-0.37
8709230335	0.45	354.30	16.10	0.07	0.19	1.15	-0.01
8709230345	0.46	49.00	15.10	0.07	0.13	18.89	-0.57
8709230355	0.20	51.00	15.30	0.06	0.21	26.14	-0.21
8709230405	0.15	326.70	15.40	0.07	0.12	-8.28	0.33
8709230415	0.18	98.00	15.50	0.02	0.09	-1.41	0.14
8709230425	0.79	52.00	15.10	0.06	0.09	0.19	-0.02
8709230435	0.73	29.00	14.80	0.04	0.06	-6.37	2.66
8709230445	0.23	351.50	14.50	0.06	0.17	-15.79	0.23
8709230455	0.21	196.70	14.90	0.04	0.12	-26.78	1.24
8709230505	0.82	75.00	14.50	0.06	0.16	2.16	-0.04
8709230515	0.87	65.00	13.90	0.09	0.06	-5.78	1.90
8709230525	0.22	265.70	14.20	0.11	0.25	-14.23	0.07
8709230535	0.86	39.00	13.80	0.11	0.19	6.62	-0.07
8709230545	0.16	7.40	13.90	0.12	0.25	-12.11	0.06
8709230555	1.04	47.00	13.50	0.07	0.10	-6.15	0.46
8709230605	0.25	57.00	13.60	0.07	0.17	-4.00	0.06
8709230615	0.86	47.00	13.50	0.10	0.19	0.99	-0.01
8709230625	0.86	57.00	14.20	0.07	0.14	-15.01	0.41
8709230635	0.43	76.00	14.00	0.06	0.12	10.13	-0.45
8709230645	0.53	40.00	13.00	0.12	0.22	17.60	-0.12
8709230655	0.17	359.80	13.90	0.12	0.20	-28.21	0.28
8709230705	0.70	34.00	13.70	0.14	0.26	-10.43	0.04
8709230715	0.62	69.00	13.30	0.05	0.13	-0.86	0.03
8709230725	0.65	47.00	13.70	0.05	0.17	0.85	-0.01
8709230735	0.23	339.50	14.00	0.05	0.20	33.77	-0.31
8709230745	0.29	0.10	14.50	0.10	0.22	-15.53	0.10
8709230755	0.56	45.00	14.20	0.08	0.22	-4.64	0.03
8709230805	0.40	188.20	15.00	0.02	0.09	-10.66	1.03
8709230815	0.30	66.00	15.70	0.02	0.08	6.37	-0.97
8709230825	0.31	293.40	16.40	0.02	0.04	9.45	-15.93
8709230835	0.53	315.40	17.30	0.04	0.16	-9.19	0.16
8709230845	0.37	27.00	18.40	0.05	0.13	27.04	-0.89
8709230855	0.54	255.10	19.00	0.06	0.12	4.96	-0.21
8709230905	0.80	247.30	19.90	0.05	0.05	2.15	-1.28
8709230915	0.33	298.10	21.00	0.13	0.27	39.46	-0.15
8709230925	0.27	225.60	22.00	0.13	0.22	35.19	-0.22
8709230935	1.46	240.20	22.80	0.30	0.32	42.18	-0.10
8709230945	2.86	250.90	23.30	0.33	0.42	51.37	-0.05
8709230955	2.31	254.60	23.70	0.28	0.11	70.77	-3.82
8709231005	2.54	240.70	24.10	0.16	0.18	72.07	-0.85
8709231015	2.00	249.60	24.50	0.40	0.36	126.41	-0.20
8709231025	1.85	258.90	25.00	0.24	0.22	107.00	-0.68
8709231035	2.19	259.40	25.20	0.33	0.21	93.42	-0.70
8709231045	2.27	273.70	25.80	0.32	0.15	120.46	-2.48
8709231055	2.51	275.20	26.00	0.43	0.14	111.53	-3.16
8709231105	3.28	263.20	25.90	0.30	0.17	92.25	-1.31
8709231115	3.06	258.30	26.30	0.36	0.25	131.97	-0.60
8709231125	2.43	264.50	26.90	0.48	0.26	164.32	-0.69
8709231135	3.23	266.70	27.20	0.50	0.24	138.44	-0.70
8709231145	3.20	269.80	27.30	0.48	0.18	117.10	-1.46
8709231155	3.83	266.20	27.70	0.67	0.23	191.49	-1.17
8709231205	4.00	261.60	27.60	0.72	0.38	170.79	-0.22
8709231215	3.91	256.80	27.80	0.56	0.15	143.62	-3.04
8709231225	3.72	257.80	28.10	0.52	0.29	181.14	-0.54
8709231235	3.21	269.00	28.20	0.66	0.38	142.33	-0.18
8709231245	3.09	260.60	28.60	0.78	0.30	197.96	-0.54
8709231255	2.81	273.30	28.60	1.27	0.86	119.81	-0.01
8709231305	2.47	272.60	29.20	1.15	0.74	173.38	-0.03

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709231335	2.73	276.20	29.70	1.13	0.76	151.38	-0.02
8709231345	3.10	267.00	30.10	1.45	0.46	236.78	-0.17
8709231355	3.08	268.00	30.10	1.29	0.72	147.50	-0.03
8709231405	2.90	276.40	30.50	1.23	0.70	173.38	-0.03
8709231415	3.87	264.60	30.60	1.07	0.42	150.09	-0.14
8709231425	2.69	302.50	30.80	1.28	0.32	161.73	-0.36
8709231435	3.58	276.70	31.00	0.91	0.59	200.55	-0.07
8709231445	2.22	249.00	31.30	1.93	0.66	261.36	-0.06
8709231455	2.33	250.50	31.30	1.06	0.63	127.83	-0.04
8709231505	1.64	230.30	31.20	1.95	0.49	92.51	-0.05
8709231515	2.91	235.10	31.80	0.92	0.40	216.08	-0.23
8709231525	3.04	218.60	31.70	1.32	0.23	174.67	-0.99
8709231535	2.91	220.10	31.80	1.30	0.37	146.21	-0.20
8709231545	3.15	218.20	31.90	1.18	0.64	141.03	-0.04
8709231555	2.05	180.30	32.00	1.37	0.46	144.91	-0.10
8709231605	3.48	193.50	32.00	0.99	0.49	127.58	-0.07
8709231615	3.03	194.60	32.00	0.93	0.23	108.94	-0.62
8709231625	2.42	201.30	32.10	1.63	0.44	75.69	-0.06
8709231635	3.81	223.80	31.90	1.15	0.64	53.31	-0.01
8709231645	4.48	234.50	31.80	1.02	0.28	76.73	-0.24
8709231655	3.12	220.60	31.60	1.14	0.15	19.93	-0.38
8709231705	4.36	222.70	31.40	0.81	0.35	42.18	-0.07
8709231715	3.77	212.00	31.20	1.15	0.35	34.16	-0.06
8709231725	3.99	191.20	31.00	1.11	0.25	26.65	-0.11
8709231735	2.84	195.20	30.80	1.23	0.51	11.35	-0.01
8709231745	3.40	186.10	30.30	1.01	0.68	10.29	0.00
8709231755	4.02	200.80	30.00	1.24	0.47	9.94	-0.01
8709231805	4.14	205.20	29.70	1.18	0.37	-8.02	0.01
8709231815	1.73	191.00	29.30	0.74	0.41	-22.77	0.02
8709231825	0.50	242.10	29.00	0.31	0.23	-15.40	0.09
8709231835	0.75	159.00	28.70	0.57	0.34	-27.30	0.05
8709231845	0.69	341.70	28.10	0.34	0.30	-11.31	0.03
8709231855	1.41	72.00	27.90	0.53	0.35	-27.56	0.05
8709231905	1.47	79.00	26.80	0.30	0.20	-5.21	0.05
8709231915	1.25	76.00	26.00	0.14	0.12	-24.20	0.91
8709231925	1.43	96.00	26.50	0.11	0.05	-2.96	1.35
8709231935	1.30	82.00	26.30	0.27	0.19	-22.77	0.25
8709231945	1.22	70.00	25.00	0.30	0.40	8.84	-0.01
8709231955	1.46	87.00	24.90	0.14	0.22	22.51	-0.15
8709232005	1.39	66.00	23.20	0.30	0.25	-33.51	0.16
8709232015	1.01	81.00	22.40	0.30	0.31	-110.37	0.28
8709232025	0.34	5.40	22.80	0.22	0.36	32.61	-0.05
8709232035	2.09	62.00	23.00	0.23	0.08	-16.43	2.43
8709232045	2.00	50.00	22.80	0.15	0.15	-0.90	0.02
8709232055	1.79	66.00	22.00	0.16	0.16	-23.03	0.37
8709232105	2.42	69.00	22.10	0.46	0.46	-27.56	0.02
8709232115	2.29	64.00	22.10	0.29	0.39	-38.30	0.05
8709232125	3.22	78.00	21.80	0.24	0.23	-32.35	0.19
8709232135	3.59	72.00	21.70	0.13	0.15	-9.52	0.22
8709232145	2.85	62.00	21.70	0.24	0.35	-15.66	0.03
8709232155	2.28	56.00	21.40	0.18	0.31	-12.64	0.03
8709232205	2.31	53.00	21.20	0.20	0.29	-21.09	0.06
8709232215	0.28	54.00	20.60	0.34	0.52	-212.19	0.11
8709232225	0.19	15.00	20.20	0.12	0.29	-3.86	0.01
8709232235	1.64	52.00	20.20	0.21	0.28	2.43	-0.01
8709232245	0.22	9.70	19.80	0.07	0.18	-26.39	0.35
8709232255	0.18	328.40	19.50	0.06	0.12	8.95	-0.36
8709232305	0.26	26.00	18.70	0.07	0.18	-15.53	0.21
8709232315	0.40	356.20	18.60	0.05	0.18	-2.04	0.03
8709232325	0.49	85.00	18.40	0.10	0.21	0.93	-0.01
8709232335	0.45	55.00	18.50	0.05	0.12	-15.14	0.61
8709232345	1.39	47.00	18.20	0.14	0.11	-5.78	0.33

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709240015	0.53	88.00	17.60	0.09	0.15	5.38	-0.12
8709240025	1.00	26.00	17.10	0.10	0.14	-5.77	0.15
8709240035	0.23	84.00	17.00	0.10	0.26	11.30	-0.05
8709240045	0.82	54.00	17.10	0.14	0.20	-13.46	0.12
8709240055	0.91	44.00	17.30	0.07	0.12	-14.23	0.60
8709240105	0.47	37.00	17.50	0.21	0.37	-75.69	0.11
8709240115	0.35	289.40	17.00	0.09	0.08	7.87	-1.04
8709240125	0.54	50.00	17.40	0.09	0.13	-14.62	0.53
8709240135	0.63	108.00	17.70	0.25	0.20	-7.35	0.07
8709240145	0.60	38.00	17.40	0.04	0.06	-5.68	2.10
8709240155	0.26	49.00	17.70	0.12	0.29	-43.73	0.13
8709240205	0.46	89.00	17.80	0.15	0.31	-9.76	0.02
8709240215	0.86	25.00	17.40	0.06	0.09	-10.48	1.18
8709240225	0.42	198.60	17.30	0.08	0.18	-0.52	0.01
8709240235	0.47	118.00	17.60	0.13	0.34	-7.76	0.01
8709240245	0.29	351.90	16.90	0.02	0.03	4.70	-16.54
8709240255	0.33	21.00	17.00	0.11	0.14	-3.09	0.07
8709240305	1.22	70.00	17.00	0.04	0.16	1.45	-0.03
8709240315	0.70	35.00	17.00	0.07	0.16	-15.01	0.26
8709240325	0.15	66.00	17.10	0.03	0.11	-12.69	0.77
8709240335	0.31	19.00	16.60	0.04	0.15	9.24	-0.22
8709240345	0.75	38.00	17.10	0.11	0.25	-17.21	0.08
8709240355	0.35	50.00	17.10	0.06	0.14	5.56	-0.16
8709240405	0.25	17.00	16.70	0.12	0.31	-46.58	0.11
8709240415	0.18	70.00	16.60	0.04	0.13	-13.59	0.49
8709240425	0.78	53.00	16.50	0.10	0.15	-3.40	0.08
8709240435	0.58	97.00	16.30	0.09	0.26	-6.21	0.03
8709240445	0.35	258.90	16.20	0.14	0.15	-0.12	0.00
8709240455	0.77	21.00	16.00	0.08	0.19	-1.60	0.02
8709240505	0.82	48.00	16.00	0.13	0.28	-8.46	0.03
8709240515	0.36	172.90	15.80	0.04	0.04	0.96	-1.16
8709240525	0.42	32.00	15.10	0.04	0.11	7.48	-0.39
8709240535	0.70	50.00	15.00	0.14	0.31	-6.75	0.02
8709240545	0.19	34.00	15.00	0.12	0.31	-17.21	0.04
8709240555	0.32	297.50	15.00	0.08	0.24	-88.11	0.46
8709240605	0.26	113.00	15.10	0.05	0.12	10.04	-0.46
8709240615	0.34	45.00	14.90	0.03	0.10	-15.79	1.29
8709240625	0.19	356.70	14.60	0.04	0.15	-16.30	0.34
8709240635	0.28	70.00	14.30	0.02	0.13	-13.97	0.46
8709240645	0.53	63.00	14.70	0.04	0.14	11.06	-0.30
8709240655	0.61	57.00	14.40	0.02	0.07	18.37	-4.86
8709240705	0.66	72.00	14.00	0.05	0.21	-5.45	0.04
8709240715	0.98	46.00	14.40	0.06	0.12	-4.57	0.20
8709240725	0.24	50.00	13.70	0.06	0.14	14.88	-0.39
8709240735	0.67	32.00	14.40	0.08	0.14	-6.86	0.19
8709240745	1.13	40.00	14.90	0.10	0.10	-6.91	0.48
8709240755	0.27	203.10	15.10	0.21	0.36	-9.50	0.01
8709240805	0.37	288.70	15.70	0.28	0.42	2.06	0.00
8709240815	0.34	277.00	16.70	0.34	0.36	69.74	-0.11
8709240825	0.62	260.10	17.40	0.13	0.26	10.86	-0.05
8709240835	1.15	242.70	18.00	0.08	0.18	11.41	-0.14
8709240845	1.60	235.90	18.50	0.19	0.34	1.67	0.00
8709240855	2.13	265.40	19.50	0.41	0.25	27.95	-0.13
8709240905	3.27	271.80	19.40	0.40	0.30	65.99	-0.19
8709240915	3.47	260.10	19.20	0.47	0.25	63.66	-0.29
8709240925	2.23	261.40	19.90	0.40	0.28	103.77	-0.35
8709240935	3.02	280.30	20.00	0.91	0.24	99.11	-0.52
8709240945	3.44	284.70	19.90	0.37	0.32	55.51	-0.12
8709240955	2.48	265.30	20.10	0.43	0.29	92.38	-0.28
8709241005	1.50	267.60	20.60	0.32	0.25	134.56	-0.66
8709241015**********							
8709241025**********							

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709241055	**********	**********	**********	**********	**********	**********	**********
8709241105	**********	**********	**********	**********	**********	**********	**********
8709241115	**********	**********	**********	**********	**********	**********	**********
8709241125	**********	**********	**********	**********	**********	**********	**********
8709241135	**********	**********	**********	**********	**********	**********	**********
8709241145	2.54	259.00	23.80	0.64	0.39	135.86	-0.16
8709241155	3.22	270.10	23.90	0.80	0.55	99.63	-0.04
8709241205	4.66	260.70	24.00	0.62	0.20	112.18	-1.00
8709241215	4.35	261.90	24.00	0.77	0.50	99.89	-0.06
8709241225	4.15	263.90	24.10	0.57	0.34	165.62	-0.30
8709241235	3.82	258.90	24.20	0.62	0.22	134.56	-0.95
8709241245	3.70	264.20	24.10	0.97	0.25	182.44	-0.88
8709241255	3.22	266.60	24.10	0.93	0.37	146.21	-0.20
8709241305	3.10	258.60	24.10	0.62	0.13	84.49	-2.75
8709241315	3.08	257.00	24.40	0.75	0.30	150.09	-0.40
8709241325	2.63	274.40	24.60	0.94	0.50	101.57	-0.06
8709241335	4.44	269.40	24.60	0.72	0.31	116.45	-0.29
8709241345	4.33	294.20	24.70	1.39	0.37	112.44	-0.15
8709241355	4.34	258.70	24.60	1.65	0.61	99.24	-0.03
8709241405	3.66	254.60	24.40	0.86	0.38	118.52	-0.16
8709241415	3.87	258.20	24.10	1.37	0.69	84.23	-0.02
8709241425	3.60	253.30	24.20	0.67	0.35	137.15	-0.22
8709241435	2.86	248.40	24.30	1.27	0.80	101.83	-0.01
8709241445	3.23	205.30	24.20	0.70	0.15	92.90	-2.10
8709241455	3.19	242.70	24.20	0.91	0.63	60.55	-0.02
8709241505	2.71	246.90	24.30	0.68	0.47	80.35	-0.06
8709241515	2.53	228.70	24.70	1.42	0.92	75.69	-0.01
8709241525	3.52	243.40	24.40	0.82	0.43	51.88	-0.05
8709241535	3.81	244.20	24.40	0.60	0.33	79.31	-0.16
8709241545	4.34	228.60	24.30	0.70	0.17	38.30	-0.52
8709241555	3.43	228.60	24.50	0.98	0.72	98.72	-0.02
8709241605	3.63	243.80	24.50	0.77	0.46	64.43	-0.05
8709241615	2.47	229.80	24.60	0.71	0.44	83.33	-0.07
8709241625	2.17	202.20	24.50	0.98	0.63	71.29	-0.02
8709241635	1.66	231.10	24.60	0.68	0.31	49.17	-0.12
8709241645	1.39	241.30	24.90	1.26	0.90	63.92	-0.01
8709241655	1.13	165.00	25.00	0.95	0.49	68.45	-0.04
8709241705	1.33	147.00	25.10	1.43	0.66	22.90	-0.01
8709241715	1.16	216.60	25.00	1.32	0.73	17.73	0.00
8709241725	1.18	189.50	25.00	0.71	0.48	30.02	-0.02
8709241735	1.63	196.70	25.10	1.09	0.66	40.24	-0.01
8709241745	1.59	196.80	25.20	0.84	0.29	17.47	-0.05
8709241755	1.46	250.70	25.00	0.58	0.29	6.57	-0.02
8709241805	1.59	282.80	24.80	0.64	0.66	2.26	0.00
8709241815	1.25	243.20	24.80	0.44	0.46	-0.95	0.00
8709241825	1.06	191.90	24.60	0.86	0.47	-0.40	0.00
8709241835	0.96	103.00	24.40	0.78	0.50	-6.55	0.00
8709241845	1.81	192.80	24.30	0.90	0.68	-8.45	0.00
8709241855	0.54	141.00	24.10	0.57	0.47	3.45	0.00
8709241905	1.57	100.00	23.80	0.58	0.41	-4.80	0.01
8709241915	0.90	64.00	23.50	0.35	0.34	-13.20	0.02
8709241925	1.15	26.00	23.10	0.22	0.18	-3.44	0.04
8709241935	1.81	44.00	22.90	0.27	0.22	-8.79	0.06
8709241945	1.59	78.00	22.50	0.26	0.34	-27.95	0.05
8709241955	1.06	82.00	22.00	0.12	0.19	-2.91	0.03
8709242005	1.01	102.00	21.30	0.19	0.29	-51.24	0.16
8709242015	0.83	56.00	19.80	0.40	0.42	-11.36	0.01
8709242025	0.98	55.00	19.90	0.12	0.07	-3.80	0.84
8709242035	0.92	87.00	19.30	0.11	0.13	3.79	-0.14
8709242045	1.59	70.00	19.40	0.06	0.11	0.85	-0.04
8709242055	1.15	72.00	19.10	0.09	0.13	-38.04	1.39
8709242105	**********	**********	**********	**********	**********	**********	**********

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709242135	0.36	68.00	18.00	0.17	0.28	11.52	-0.04
8709242145	0.91	65.00	17.60	0.22	0.40	-5.93	0.01
8709242155	1.16	77.00	16.80	0.21	0.32	-23.55	0.05
8709242205	1.04	31.00	17.20	0.13	0.24	-10.66	0.05
8709242215	0.63	190.30	17.10	0.11	0.20	-4.11	0.04
8709242225	0.52	19.00	16.30	0.06	0.11	18.63	-1.07
8709242235	0.54	55.00	16.20	0.19	0.30	0.15	0.00
8709242245	0.47	38.00	15.60	0.11	0.27	-14.88	0.06
8709242255	0.42	327.10	15.90	0.23	0.30	-40.76	0.12
8709242305	0.32	54.00	15.90	0.07	0.20	-5.42	0.05
8709242315	0.75	42.00	15.70	0.05	0.11	-5.71	0.36
8709242325	0.71	66.00	15.70	0.03	0.12	1.24	-0.06
8709242335	0.73	53.00	15.60	0.04	0.06	-2.60	1.14
8709242345	0.86	49.00	15.50	0.09	0.15	-2.41	0.05
8709242355	0.37	323.70	15.40	0.20	0.26	-31.18	0.13
8709250005	0.20	248.30	15.40	0.09	0.20	-0.36	0.00
8709250015	0.45	351.80	15.50	0.08	0.22	-16.95	0.12
8709250025	0.65	47.00	15.50	0.08	0.21	-6.34	0.05
8709250035	0.63	36.00	15.60	0.04	0.16	-8.35	0.14
8709250045	0.19	195.30	15.50	0.05	0.18	29.63	-0.37
8709250055	0.28	25.00	15.50	0.11	0.31	-37.65	0.09
8709250105	0.52	71.00	15.70	0.09	0.12	-10.03	0.42
8709250115	0.58	47.00	15.90	0.03	0.09	-3.78	0.39
8709250125	0.12	284.50	15.90	0.03	0.13	15.40	-0.52
8709250135	0.39	214.20	15.80	0.02	0.06	-0.94	0.38
8709250145	0.12	219.60	16.00	0.01	0.07	-1.79	0.46
8709250155	0.17	188.60	16.10	0.02	0.06	-0.15	0.05
8709250205	0.23	32.00	15.90	0.03	0.10	-6.79	0.49
8709250215	0.09	358.70	15.90	0.01	0.06	5.47	-1.92
8709250225	0.23	350.10	15.80	0.02	0.06	2.20	-0.72
8709250235	0.56	45.00	15.70	0.02	0.07	-6.62	1.35
8709250245	0.55	357.00	15.70	0.02	0.02	-3.08	65.62
8709250255	0.72	35.00	15.00	0.15	0.32	-21.48	0.05
8709250305	0.68	35.00	14.90	0.12	0.29	-27.30	0.08
8709250315	0.81	57.00	14.70	0.03	0.09	-3.13	0.34
8709250325	0.19	15.00	14.30	0.07	0.20	-27.69	0.27
8709250335	0.39	253.60	14.40	0.01	0.04	0.58	-0.66
8709250345	0.28	319.20	14.20	0.07	0.12	-10.42	0.43
8709250355	0.34	258.80	14.00	0.04	0.14	5.76	-0.17
8709250405	0.17	286.10	13.90	0.04	0.13	3.71	-0.11
8709250415	0.67	0.70	14.10	0.21	0.43	-14.36	0.01
8709250425	0.28	353.90	13.50	0.10	0.20	-33.51	0.30
8709250435	0.26	338.20	13.50	0.03	0.13	-6.06	0.21
8709250445	0.22	248.50	13.40	0.01	0.06	-6.94	3.07
8709250455	0.27	341.30	13.20	0.01	0.09	0.84	-0.10
8709250505	0.26	237.90	13.20	0.01	0.08	-2.99	0.51
8709250515	0.40	47.00	12.70	0.11	0.23	28.72	-0.17
8709250525	0.72	56.00	12.60	0.05	0.12	-0.46	0.02
8709250535	0.16	359.70	12.40	0.09	0.16	4.15	-0.08
8709250545	0.40	26.00	12.10	0.03	0.07	2.29	-0.49
8709250555	0.10	255.60	12.30	0.06	0.13	6.77	-0.21
8709250605	0.35	61.00	12.40	0.05	0.17	22.25	-0.33
8709250615	0.52	51.00	11.90	0.05	0.14	0.71	-0.02
8709250625	0.73	44.00	11.90	0.04	0.14	-14.75	0.45
8709250635	0.86	47.00	11.90	0.09	0.16	-12.77	0.22
8709250645	0.86	30.00	11.80	0.07	0.11	-9.03	0.46
8709250655	0.62	63.00	12.30	0.07	0.20	-5.60	0.05
8709250705	0.14	23.00	12.70	0.03	0.14	-18.37	0.46
8709250715	0.20	149.00	13.00	0.02	0.06	2.70	-1.12
8709250725	0.55	196.80	13.30	0.03	0.13	0.67	-0.02
8709250735	0.71	228.20	13.60	0.03	0.07	5.02	-1.35
8709250745	0.70	247.40	13.60	0.05	0.19	-0.71	0.01

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709250815	0.33	8.70	14.30	0.03	0.11	-2.91	0.18
8709250825	0.26	111.00	14.90	0.04	0.08	12.69	-1.66
8709250835	0.14	298.60	16.00	0.03	0.08	8.95	-1.23
8709250845	0.59	255.60	16.60	0.11	0.09	41.53	-4.73
8709250855	1.53	222.70	17.30	0.20	0.10	37.39	-2.41
8709250905	**********	**********	**********	**********	**********	**********	**********
8709250915	2.35	232.10	18.40	0.66	0.43	53.82	-0.05
8709250925	3.00	260.20	18.70	0.33	0.18	43.09	-0.58
8709250935	2.80	260.00	18.80	0.32	0.25	74.14	-0.36
8709250945	3.24	256.80	19.10	0.69	0.11	55.51	-3.18
8709250955	3.24	266.30	19.30	0.93	0.61	82.81	-0.03
8709251005	3.40	256.10	19.50	0.51	0.26	113.99	-0.50
8709251015	3.11	253.00	19.60	0.44	0.43	121.75	-0.11
8709251025	2.80	256.60	19.80	0.73	0.20	152.68	-1.41
8709251035	3.10	248.90	20.00	0.51	0.33	147.50	-0.30
8709251045	3.40	256.10	20.30	0.87	0.44	245.84	-0.22
8709251055	3.54	263.70	20.50	0.59	0.21	169.50	-1.41
8709251105	3.21	252.70	20.70	0.66	0.49	143.62	-0.09
8709251115	2.66	251.00	21.00	1.15	0.51	155.26	-0.08
8709251125	3.10	252.80	21.60	0.63	0.31	213.49	-0.52
8709251135	3.08	244.40	21.80	0.77	0.67	225.13	-0.05
8709251145	3.25	262.60	22.20	1.09	0.29	221.25	-0.64
8709251155	2.89	261.00	22.30	0.74	0.29	187.61	-0.58
8709251205	3.63	255.30	22.70	0.85	0.09	178.55	-16.46
8709251215	3.39	246.90	23.00	1.04	0.30	179.85	-0.50
8709251225	2.05	277.30	23.40	1.79	0.65	144.91	-0.04
8709251235	3.39	266.80	23.70	1.59	0.78	192.79	-0.03
8709251245	2.28	275.60	24.40	1.62	0.98	296.30	-0.02
8709251255	2.69	265.90	24.50	1.41	0.58	328.64	-0.12
8709251305	3.16	267.80	24.90	2.19	0.43	315.70	-0.29
8709251315	1.76	241.80	25.20	1.18	0.78	274.30	-0.04
8709251325	2.28	306.40	25.00	2.91	0.53	196.67	-0.09
8709251335	1.10	272.40	25.20	2.02	1.11	166.91	-0.01
8709251345	2.59	247.40	25.30	1.32	0.68	161.73	-0.04
8709251355	3.24	245.10	25.40	0.58	0.24	155.26	-0.81
8709251405	1.35	225.90	25.70	1.36	0.97	168.20	-0.01
8709251415	2.21	250.10	25.90	1.27	0.92	190.20	-0.02
8709251425	2.29	258.10	26.00	1.84	0.94	135.86	-0.01
8709251435	1.37	255.10	26.20	0.91	0.15	172.08	-3.99
8709251445	2.29	258.80	26.50	0.80	0.32	194.08	-0.41
8709251455	1.08	225.90	26.60	1.37	0.36	168.20	-0.25
8709251505	1.80	233.40	26.90	0.79	0.52	227.72	-0.12
8709251515	1.80	231.90	26.80	1.35	0.38	177.26	-0.22
8709251525	2.03	261.00	27.10	0.69	0.13	142.33	-4.39
8709251535	1.89	254.70	27.10	1.46	0.32	97.95	-0.21
8709251545	2.19	296.50	27.10	0.49	0.19	109.07	-1.08
8709251555	2.38	270.40	27.30	0.98	0.67	134.56	-0.03
8709251605	2.83	251.20	27.50	1.33	0.37	187.61	-0.27
8709251615	1.90	213.50	27.60	0.65	0.29	110.76	-0.31
8709251625	1.25	237.30	27.60	0.46	0.07	47.10	-8.65
8709251635	1.15	207.20	27.70	0.37	0.30	104.29	-0.27
8709251645	0.81	170.00	27.90	0.76	0.35	75.69	-0.12
8709251655	0.86	236.60	27.80	0.61	0.33	75.43	-0.15
8709251705	1.20	282.10	27.90	0.33	0.34	45.54	-0.09
8709251715	1.16	262.20	28.00	0.23	0.13	43.09	-1.24
8709251725	1.26	275.60	27.90	0.43	0.25	36.75	-0.16
8709251735	1.20	245.70	28.00	0.08	0.10	18.89	-1.43
8709251745	1.54	263.50	28.00	0.09	0.14	14.49	-0.37
8709251755	1.56	291.90	27.60	0.10	0.24	-6.02	0.03
8709251805	1.86	259.90	27.40	0.04	0.08	-4.50	0.55
8709251815	1.43	254.60	26.50	0.05	0.12	1.72	-0.08
8709251825	0.98	254.20	26.00	0.05	0.15	-11.96	0.24

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709251855	1.09	87.00	23.30	0.24	0.32	47.74	-0.11
8709251905	1.08	80.00	22.30	0.09	0.10	-4.74	0.31
8709251915	0.62	66.00	21.60	0.33	0.46	39.46	-0.03
8709251925	0.93	38.00	21.60	0.18	0.26	50.07	-0.22
8709251935	1.58	61.00	21.20	0.09	0.11	-10.88	0.52
8709251945	1.14	45.00	20.50	0.10	0.13	2.60	-0.08
8709251955	1.06	47.00	20.40	0.13	0.22	-9.63	0.06
8709252005	0.58	37.00	20.10	0.11	0.16	-16.82	0.31
8709252015	0.50	26.00	20.00	0.14	0.22	-0.71	0.00
8709252025	0.47	36.00	19.40	0.07	0.18	-69.61	0.81
8709252035	0.46	6.20	19.40	0.08	0.24	-23.68	0.13
8709252045	0.69	36.00	18.90	0.03	0.07	2.32	-0.42
8709252055	0.97	53.00	18.90	0.07	0.10	-8.05	0.59
8709252105	1.16	45.00	18.70	0.08	0.13	-12.30	0.45
8709252115	0.77	35.00	18.60	0.04	0.06	-11.10	3.50
8709252125	0.82	20.00	18.20	0.09	0.13	-12.28	0.43
8709252135	0.64	24.00	18.10	0.12	0.17	-26.52	0.42
8709252145	0.88	51.00	17.70	0.09	0.23	-20.05	0.12
8709252155	1.00	66.00	17.90	0.11	0.10	8.54	-0.56
8709252205	0.57	73.00	17.30	0.07	0.18	-5.99	0.08
8709252215	0.72	42.00	17.30	0.06	0.19	-39.46	0.41
8709252225	0.14	52.00	16.70	0.04	0.12	-2.77	0.11
8709252235	0.51	54.00	16.90	0.14	0.23	-32.86	0.19
8709252245	0.49	47.00	16.60	0.10	0.16	-34.42	0.62
8709252255	0.94	41.00	16.60	0.05	0.11	-10.34	0.63
8709252305	0.96	42.00	16.30	0.06	0.08	-15.14	2.40
8709252315	0.58	49.00	16.40	0.12	0.16	-18.50	0.32
8709252325	1.00	59.00	16.10	0.14	0.29	3.93	-0.01
8709252335	0.69	40.00	15.90	0.11	0.17	25.10	-0.38
8709252345	0.65	40.00	15.70	0.04	0.14	-2.96	0.08
8709252355	0.66	75.00	15.50	0.21	0.29	19.02	-0.06
8709260005	0.57	58.00	15.00	0.15	0.28	1.16	0.00
8709260015	0.93	68.00	15.50	0.08	0.15	-4.83	0.11
8709260025	0.46	51.00	15.10	0.19	0.17	-21.35	0.30
8709260035	0.42	154.00	15.50	0.09	0.12	-46.45	2.08
8709260045	0.23	92.00	15.60	0.21	0.29	-76.60	0.24
8709260055	0.77	51.00	15.00	0.14	0.25	-38.30	0.17
8709260105	0.74	132.00	15.80	0.10	0.10	3.57	-0.27
8709260115	0.41	34.00	14.80	0.24	0.33	8.14	-0.02
8709260125	0.16	98.00	14.40	0.11	0.22	-47.36	0.33
8709260135	1.00	28.00	13.80	0.08	0.13	5.06	-0.17
8709260145	0.42	121.00	14.20	0.21	0.31	3.01	-0.01
8709260155	0.90	215.10	14.50	0.23	0.34	4.48	-0.01
8709260205	1.06	55.00	13.70	0.38	0.50	45.93	-0.03
8709260215	0.98	13.00	14.20	0.06	0.14	3.95	-0.11
8709260225	0.91	87.00	13.60	0.09	0.16	-1.33	0.02
8709260235	1.01	54.00	13.10	0.06	0.15	-9.04	0.22
8709260245	0.72	47.00	12.90	0.10	0.14	-9.65	0.25
8709260255	0.72	50.00	13.60	0.14	0.20	-9.57	0.09
8709260305	0.68	53.00	13.30	0.17	0.24	-4.72	0.02
8709260315	0.32	200.60	13.70	0.27	0.46	44.12	-0.03
8709260325	0.58	61.00	13.40	0.10	0.14	-11.66	0.35
8709260335	0.79	65.00	13.10	0.55	0.71	-42.96	0.01
8709260345	0.59	344.40	12.90	0.26	0.24	66.25	-0.37
8709260355	0.45	37.00	12.80	0.09	0.20	-6.08	0.06
8709260405	0.16	145.00	12.80	0.12	0.27	62.75	-0.23
8709260415	0.83	50.00	12.60	0.06	0.08	-8.85	1.34
8709260425	0.62	71.00	12.20	0.09	0.22	-24.20	0.16
8709260435	0.29	53.00	11.50	0.04	0.07	-2.37	0.47
8709260445	0.52	39.00	11.70	0.11	0.18	-9.78	0.12
8709260455	0.82	63.00	11.20	0.12	0.23	-10.35	0.06
8709260505	0.65	33.00	11.00	0.49	0.47	-172.08	0.13

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709260535	0.59	47.00	11.10	0.22	0.31	-18.76	0.05
8709260545	0.39	146.00	11.00	0.31	0.45	59.52	-0.05
8709260555	0.74	62.00	10.80	0.09	0.14	17.98	-0.53
8709260605	0.68	62.00	10.50	0.24	0.33	-18.63	0.04
8709260615	0.22	85.00	9.97	0.15	0.34	-203.14	0.40
8709260625	0.67	71.00	10.40	0.06	0.18	0.89	-0.01
8709260635	0.98	34.00	9.83	0.06	0.15	-1.86	0.04
8709260645	1.28	67.00	9.84	0.16	0.32	-8.88	0.02
8709260655	1.52	56.00	9.68	0.07	0.17	-7.14	0.11
8709260705	0.33	115.00	9.73	0.13	0.29	-24.32	0.08
8709260715	0.98	9.40	9.84	0.06	0.16	-3.88	0.08
8709260725	0.67	15.00	10.00	0.03	0.10	-11.49	0.93
8709260735	0.58	27.00	10.00	0.07	0.14	-3.89	0.11
8709260745	0.25	49.00	9.91	0.10	0.22	-12.77	0.09
8709260755	0.24	306.40	10.50	0.06	0.20	-4.58	0.04
8709260805	0.12	219.60	10.70	0.03	0.14	-10.78	0.31
8709260815	0.29	19.00	11.30	0.03	0.14	-2.07	0.05
8709260825	0.20	219.70	11.90	0.05	0.11	13.72	-0.82
8709260835	0.27	309.00	12.80	0.07	0.12	10.47	-0.51
8709260845	0.55	81.00	13.60	0.23	0.29	78.54	-0.24
8709260855	0.53	277.40	14.50	0.11	0.09	23.03	-2.46
8709260905	0.82	210.30	15.20	0.10	0.16	10.43	-0.17
8709260915	1.36	202.00	16.60	0.14	0.14	61.33	-1.82
8709260925	1.11	221.70	17.20	0.37	0.18	53.95	-0.70
8709260935	0.92	216.80	17.70	0.17	0.13	61.98	-1.94
8709260945	1.50	188.00	18.50	0.22	0.20	77.11	-0.66
8709260955	1.76	227.90	19.60	0.43	0.41	108.04	-0.12
8709261005	1.96	277.10	20.50	1.05	0.70	84.49	-0.02
8709261015	1.71	252.60	21.20	1.57	0.63	139.74	-0.04
8709261025	3.19	283.40	21.90	1.43	0.25	129.39	-0.62
8709261035	3.69	299.10	22.10	1.89	0.63	112.44	-0.03
8709261045	3.17	311.20	22.70	1.24	0.40	92.51	-0.10
8709261055	2.73	320.60	23.10	1.57	0.52	114.38	-0.06
8709261105	3.66	316.50	23.10	1.85	0.71	103.90	-0.02
8709261115	3.67	298.90	23.50	2.38	0.85	63.92	-0.01
8709261125	3.48	297.30	23.80	1.61	0.52	111.53	-0.06
8709261135	3.67	303.00	24.10	1.48	0.72	187.61	-0.04
8709261145	4.07	302.20	24.30	2.10	0.97	133.27	-0.01
8709261155	3.26	308.30	24.80	3.87	1.02	200.55	-0.01
8709261205	3.77	299.70	24.90	1.55	0.53	156.56	-0.07
8709261215	2.14	320.90	25.60	2.52	0.83	163.03	-0.02
8709261225	3.62	322.00	25.50	1.54	0.49	155.26	-0.10
8709261235	4.17	277.60	25.90	3.20	0.65	195.37	-0.05
8709261245	4.88	263.90	26.20	2.28	0.72	188.91	-0.04
8709261255	3.39	315.10	26.30	2.11	0.61	157.85	-0.05
8709261305	4.04	283.50	26.90	3.68	1.08	247.13	-0.01
8709261315	4.04	315.80	26.80	2.71	0.75	194.08	-0.03
8709261325	3.14	309.10	27.30	1.72	0.66	217.37	-0.05
8709261335	4.44	298.60	27.20	1.80	0.83	129.39	-0.02
8709261345	3.48	307.20	27.60	2.90	0.89	203.14	-0.02
8709261355	3.95	286.90	28.40	2.70	0.63	253.60	-0.07
8709261405	4.15	320.80	28.00	1.63	0.45	123.95	-0.10
8709261415	4.55	293.80	28.40	2.28	0.76	182.44	-0.03
8709261425	3.38	294.10	28.90	5.67	1.67	170.79	0.00
8709261435	3.72	317.30	29.10	3.33	0.43	147.50	-0.13
8709261445	4.14	295.50	29.30	3.70	0.60	219.96	-0.07
8709261455	4.36	290.80	29.60	2.99	0.82	226.43	-0.03
8709261505	4.12	277.00	29.80	3.13	0.54	137.15	-0.06
8709261515	3.90	293.70	29.90	2.05	0.56	156.56	-0.06
8709261525	4.25	274.90	30.20	3.51	1.41	181.14	0.00
8709261535	4.78	300.80	30.10	2.84	0.85	129.39	-0.01
8709261545	5.37	294.20	30.20	1.94	0.60	78.02	-0.03

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709261615	4.48	309.10	30.60	2.11	0.75	112.70	-0.02
8709261625	4.78	308.40	30.80	1.82	0.58	75.17	-0.03
8709261635	5.71	301.90	30.90	2.28	0.49	66.50	-0.04
8709261645	3.41	329.00	31.00	2.63	0.36	40.76	-0.06
8709261655	4.75	308.20	30.90	3.33	0.60	43.09	-0.01
8709261705	3.36	318.70	30.90	3.28	1.03	32.22	0.00
8709261715	3.95	311.70	30.80	4.71	1.57	35.06	0.00
8709261725	3.64	309.50	30.80	3.11	0.89	14.88	0.00
8709261735	4.39	302.90	30.50	4.31	0.82	-4.71	0.00
8709261745	2.49	321.40	30.50	3.01	1.05	-19.28	0.00
8709261755	3.18	321.90	30.40	2.77	0.76	-17.86	0.00
8709261805	2.23	299.70	30.20	1.77	0.33	-27.04	0.05
8709261815	3.90	291.30	30.00	2.39	0.77	-6.29	0.00
8709261825	3.46	290.20	29.80	1.33	0.58	-29.50	0.01
8709261835	2.30	269.10	29.40	0.91	0.41	-42.96	0.04
8709261845	2.41	255.90	29.00	0.42	0.23	-27.95	0.17
8709261855	2.27	257.70	28.70	0.52	0.22	-45.41	0.30
8709261905	1.40	280.80	27.00	0.17	0.32	-91.74	0.20
8709261915	0.19	35.00	24.80	0.07	0.15	13.84	-0.29
8709261925	0.68	83.00	24.40	0.11	0.20	-21.87	0.19
8709261935	0.22	316.20	23.40	0.03	0.08	11.26	-1.37
8709261945	0.36	88.00	22.10	0.17	0.34	81.26	-0.14
8709261955	0.19	185.60	21.90	0.14	0.23	-51.11	0.30
8709262005	0.75	73.00	20.40	0.59	0.36	83.71	-0.13
8709262015	1.02	34.00	19.90	0.23	0.23	24.71	-0.15
8709262025	0.68	3.10	19.30	0.34	0.34	-87.08	0.16
8709262035	0.31	16.00	19.60	0.36	0.48	-223.84	0.14
8709262045	0.95	59.00	18.50	0.30	0.29	-19.02	0.06
8709262055	1.82	59.00	18.40	0.38	0.26	-88.50	0.35
8709262105	0.57	60.00	18.40	0.22	0.36	-27.82	0.04
8709262115	1.29	57.00	18.20	0.16	0.14	-14.36	0.36
8709262125	0.70	50.00	17.20	0.17	0.17	-54.86	0.82
8709262135	1.11	69.00	16.90	0.18	0.26	-31.31	0.13
8709262145	1.17	46.00	16.70	0.14	0.13	-17.98	0.55
8709262155	1.10	27.00	16.10	0.06	0.12	14.36	-0.60
8709262205	1.40	50.00	16.00	0.11	0.19	-2.06	0.02
8709262215	1.50	61.00	15.70	0.06	0.15	-7.94	0.18
8709262225	0.97	66.00	15.00	0.21	0.37	11.53	-0.02
8709262235	0.70	12.00	14.80	0.23	0.39	-31.83	0.04
8709262245	0.83	58.00	15.00	0.37	0.50	-28.08	0.02
8709262255	1.00	66.00	13.80	0.09	0.15	-20.57	0.49
8709262305	0.89	68.00	14.40	0.13	0.20	-24.45	0.23
8709262315	0.47	274.40	14.20	0.07	0.21	3.44	-0.03
8709262325	0.97	35.00	14.00	0.08	0.15	-6.87	0.16
8709262335	0.91	47.00	13.60	0.06	0.16	-17.34	0.32
8709262345	0.63	68.00	13.40	0.04	0.09	-18.50	2.18
8709262355	0.36	26.00	13.10	0.06	0.18	-22.25	0.27
8709270005	0.39	98.00	13.20	0.05	0.14	-13.84	0.40
8709270015	0.54	58.00	12.70	0.09	0.17	-0.33	0.01
8709270025	0.52	18.00	12.80	0.06	0.09	-18.76	1.84
8709270035	0.75	58.00	12.20	0.03	0.09	-6.03	0.71
8709270045	0.60	45.00	12.30	0.10	0.23	1.28	-0.01
8709270055	0.68	23.00	12.50	0.04	0.15	-1.44	0.03
8709270105	0.79	63.00	12.50	0.22	0.20	-55.77	0.53
8709270115	0.72	55.00	12.00	0.07	0.15	-7.87	0.16
8709270125	0.20	109.00	12.10	0.21	0.31	85.27	-0.21
8709270135	0.50	49.00	11.80	0.08	0.17	-34.29	0.51
8709270145	0.61	46.00	11.10	0.19	0.25	-33.90	0.16
8709270155	0.76	61.00	11.40	0.04	0.13	-10.49	0.36
8709270205	0.42	36.00	11.40	0.10	0.20	-9.25	0.08
8709270215	0.50	37.00	11.80	0.12	0.31	-15.79	0.04
8709270225	0.84	73.00	10.90	0.12	0.22	-15.91	0.11

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709270255	0.81	45.00	10.60	0.19	0.37	-26.01	0.04
8709270305	0.80	25.00	11.20	0.13	0.21	-47.74	0.39
8709270315	0.33	113.00	11.10	0.08	0.12	-8.59	0.35
8709270325	0.32	36.00	10.50	0.08	0.09	1.91	-0.17
8709270335	0.23	65.00	10.50	0.09	0.17	13.33	-0.21
8709270345	0.76	26.00	10.30	0.06	0.16	8.77	-0.15
8709270355	0.41	121.00	10.50	0.04	0.12	7.31	-0.30
8709270405	0.10	311.20	10.20	0.07	0.17	-42.18	0.65
8709270415	1.00	78.00	10.40	0.28	0.32	-21.74	0.05
8709270425	0.61	50.00	10.30	0.12	0.13	-9.15	0.28
8709270435	0.42	357.50	10.30	0.20	0.29	-17.34	0.05
8709270445	0.87	59.00	9.75	0.09	0.11	-19.41	0.96
8709270455	0.94	91.00	9.53	0.21	0.35	1.89	0.00
8709270505	1.21	44.00	9.88	0.18	0.13	-7.39	0.28
8709270515	0.35	29.00	9.20	0.15	0.20	-25.75	0.23
8709270525	1.08	73.00	9.23	0.08	0.11	-4.61	0.24
8709270535	0.96	43.00	9.35	0.25	0.35	-58.61	0.10
8709270545	0.36	342.50	9.51	0.26	0.30	-36.88	0.10
8709270555	0.61	58.00	9.20	0.09	0.21	-1.63	0.01
8709270605	0.89	49.00	8.70	0.14	0.32	1.36	0.00
8709270615	0.86	60.00	8.91	0.21	0.32	-18.89	0.04
8709270625	1.12	44.00	8.83	0.06	0.16	-9.51	0.18
8709270635	1.24	27.00	8.76	0.18	0.15	17.08	-0.41
8709270645	0.91	69.00	9.34	0.23	0.30	-46.71	0.14
8709270655	0.61	47.00	8.53	0.12	0.26	-10.84	0.05
8709270705	0.40	43.00	9.21	0.09	0.22	-4.96	0.03
8709270715	0.78	49.00	8.60	0.04	0.10	-8.81	0.66
8709270725	0.75	66.00	8.95	0.17	0.35	-4.40	0.01
8709270735	0.49	6.00	9.52	0.25	0.27	-18.76	0.07
8709270745	0.86	36.00	9.44	0.09	0.19	-13.07	0.13
8709270755	0.58	82.00	9.73	0.15	0.28	4.81	-0.02
8709270805	0.45	22.00	10.50	0.12	0.13	7.47	-0.26
8709270815	0.41	106.00	11.70	0.11	0.28	35.32	-0.12
8709270825	0.12	299.70	12.10	0.02	0.09	5.89	-0.54
8709270835	0.43	3.30	12.90	0.07	0.16	-5.81	0.11
8709270845	0.43	84.00	14.00	0.09	0.11	28.47	-1.66
8709270855	0.43	20.00	15.20	0.13	0.29	11.92	-0.04
8709270905	0.06	20.00	16.20	0.10	0.21	93.16	-0.72
8709270915	0.45	235.80	17.40	0.07	0.11	68.45	-4.23
8709270925	0.45	297.00	18.60	0.07	0.08	17.34	-2.24
8709270935	0.63	282.30	19.70	0.11	0.09	45.03	-5.10
8709270945	1.31	233.00	20.80	0.21	0.20	87.21	-0.81
8709270955	2.46	271.50	21.70	0.37	0.42	57.45	-0.06
8709271005	3.15	270.70	21.80	0.23	0.12	46.19	-1.92
8709271015	3.40	270.70	22.10	0.26	0.11	69.61	-4.07
8709271025	3.37	271.20	22.30	0.30	0.21	47.61	-0.36
8709271035	3.81	265.00	22.40	0.40	0.10	84.75	-5.32
8709271045	3.41	264.60	22.60	0.41	0.20	119.42	-1.12
8709271055	3.08	254.90	23.00	0.46	0.18	146.21	-1.92
8709271105	2.53	251.90	23.40	0.70	0.43	141.03	-0.13
8709271115	2.66	243.60	24.00	0.45	0.23	156.56	-0.89
8709271125	2.40	253.70	24.50	1.26	0.30	148.80	-0.39
8709271135	1.79	253.60	25.20	0.88	0.51	159.15	-0.09
8709271145	2.55	244.80	25.40	0.84	0.63	157.85	-0.04
8709271155	2.75	249.90	25.80	0.96	0.34	229.01	-0.42
8709271205	2.38	261.70	26.20	1.09	0.59	143.62	-0.05
8709271215	2.28	254.50	26.50	1.72	0.73	197.96	-0.04
8709271225	1.20	259.80	27.20	0.78	0.31	196.67	-0.45
8709271235	3.04	266.60	27.30	1.30	0.36	248.42	-0.39
8709271245	2.80	261.40	27.50	0.74	0.08	115.67	-19.00
8709271255	2.32	256.10	28.00	1.80	0.61	150.09	-0.05
8709271305	2.02	282.10	28.40	1.32	0.63	194.08	-0.05

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709271335	3.49	239.10	29.20	1.15	0.42	182.44	-0.17
8709271345	2.92	255.40	29.40	1.34	0.80	127.32	-0.02
8709271355	3.72	239.30	29.40	1.48	0.67	120.59	-0.03
8709271405	3.12	253.10	29.80	0.80	0.22	192.79	-1.20
8709271415	3.00	230.20	30.00	0.72	0.51	173.38	-0.09
8709271425	3.10	246.60	30.40	0.87	0.47	196.67	-0.13
8709271435	2.18	248.70	30.40	0.76	0.20	115.80	-1.07
8709271445	2.16	251.20	30.90	0.95	0.33	231.60	-0.44
8709271455	2.12	297.00	30.80	1.21	0.39	69.22	-0.08
8709271505	2.05	227.50	31.00	0.58	0.33	197.96	-0.39
8709271515	4.24	236.30	31.00	0.87	0.31	150.09	-0.36
8709271525	3.30	239.60	31.00	0.68	0.34	96.91	-0.17
8709271535	3.53	259.70	31.10	0.70	0.46	120.98	-0.09
8709271545	3.00	253.30	31.40	0.98	0.22	172.08	-1.16
8709271555	3.03	257.60	31.50	1.01	0.30	106.61	-0.27
8709271605	3.33	238.00	31.40	0.56	0.22	77.89	-0.53
8709271615	2.96	252.30	31.50	0.41	0.32	80.09	-0.16
8709271625	3.40	251.70	31.60	0.43	0.24	67.54	-0.34
8709271635	3.46	249.60	31.60	0.54	0.43	73.88	-0.06
8709271645	3.39	243.10	31.60	0.39	0.21	42.70	-0.32
8709271655	3.34	252.60	31.50	0.56	0.37	34.16	-0.05
8709271705	2.65	257.00	31.60	0.36	0.30	37.91	-0.10
8709271715	3.75	258.10	31.40	0.58	0.31	21.35	-0.05
8709271725	3.02	256.60	31.40	0.55	0.32	15.14	-0.03
8709271735	3.17	259.00	31.20	0.26	0.31	1.46	0.00
8709271745	2.38	255.90	30.90	0.16	0.20	-10.71	0.10
8709271755	2.23	257.20	30.50	0.13	0.21	-13.33	0.10
8709271805	1.99	256.60	30.20	0.04	0.07	-1.24	0.24
8709271815	1.14	250.00	29.20	0.10	0.28	-27.82	0.09
8709271825	0.77	214.80	27.70	0.13	0.22	-44.64	0.30
8709271835	0.37	40.00	26.90	0.31	0.44	15.40	-0.01
8709271845	0.91	88.00	25.90	0.10	0.15	-40.63	0.86
8709271855	1.52	77.00	24.00	0.13	0.25	-3.47	0.02
8709271905	1.32	71.00	23.70	0.11	0.14	-24.71	0.70
8709271915	1.75	62.00	23.40	0.05	0.09	-4.59	0.48
8709271925	1.63	50.00	22.70	0.07	0.09	-15.79	1.65
8709271935	1.25	44.00	22.40	0.07	0.09	-7.93	0.67
8709271945	0.83	26.00	21.20	0.14	0.29	-67.67	0.20
8709271955	1.41	45.00	21.50	0.08	0.10	4.90	-0.33
8709272005	1.09	49.00	21.90	0.06	0.11	-7.36	0.44
8709272015	1.02	68.00	21.70	0.10	0.12	-10.62	0.43
8709272025	1.32	92.00	21.10	0.14	0.17	-14.88	0.20
8709272035	1.87	88.00	20.80	0.28	0.29	-38.04	0.11
8709272045	2.14	86.00	20.80	0.28	0.38	-50.20	0.07
8709272055	1.37	102.00	19.80	0.26	0.31	-34.42	0.09
8709272105	1.56	94.00	19.80	0.24	0.23	-18.37	0.11
8709272115	1.86	96.00	19.80	0.16	0.17	-17.73	0.25
8709272125	2.05	88.00	19.80	0.19	0.15	-33.51	0.68
8709272135	1.89	95.00	19.50	0.22	0.18	-24.32	0.29
8709272145	1.58	89.00	19.00	0.16	0.14	-15.91	0.44
8709272155	1.61	84.00	18.90	0.18	0.16	-25.23	0.45
8709272205	1.05	84.00	18.60	0.28	0.28	-21.35	0.07
8709272215	1.07	91.00	18.40	0.22	0.23	-54.08	0.33
8709272225	1.43	83.00	18.10	0.22	0.25	-28.47	0.13
8709272235	1.41	85.00	17.90	0.20	0.20	-53.05	0.46
8709272245	0.76	75.00	17.90	0.17	0.24	-36.88	0.20
8709272255	0.93	54.00	17.90	0.19	0.21	-40.76	0.34
8709272305	1.22	50.00	17.70	0.22	0.33	-7.44	0.02
8709272315	1.30	64.00	17.20	0.16	0.21	-19.80	0.16
8709272325	1.40	52.00	16.90	0.19	0.18	-36.36	0.48
8709272335	1.29	62.00	17.00	0.19	0.15	-12.73	0.30
8709272345	1.63	36.00	16.70	0.09	0.11	-11.94	0.65

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709280015	1.30	50.00	15.90	0.07	0.14	-8.50	0.24
8709280025	0.54	27.00	15.40	0.24	0.30	1.44	0.00
8709280035	1.29	37.00	15.90	0.06	0.10	-4.50	0.36
8709280045	0.59	32.00	14.90	0.11	0.20	-27.04	0.26
8709280055	1.18	66.00	15.10	0.08	0.11	-8.41	0.47
8709280105	0.79	38.00	15.30	0.34	0.35	-14.36	0.02
8709280115	0.75	52.00	15.30	0.08	0.16	-4.97	0.10
8709280125	0.33	51.00	15.10	0.04	0.10	-5.86	0.39
8709280135	0.53	41.00	15.10	0.08	0.14	-22.77	0.65
8709280145	0.59	52.00	15.30	0.07	0.13	-23.16	0.84
8709280155	1.16	36.00	15.50	0.08	0.19	-15.40	0.17
8709280205	1.53	47.00	15.40	0.12	0.14	-38.56	1.00
8709280215	1.32	53.00	14.90	0.33	0.40	-1.24	0.00
8709280225	1.40	39.00	15.40	0.13	0.13	-23.55	0.75
8709280235	1.74	63.00	14.80	0.15	0.18	-35.45	0.44
8709280245	1.42	49.00	14.80	0.10	0.13	-5.01	0.17
8709280255	1.60	54.00	14.20	0.13	0.22	-4.93	0.03
8709280305	1.30	42.00	14.20	0.08	0.15	-14.36	0.30
8709280315	0.98	42.00	13.50	0.09	0.11	7.52	-0.43
8709280325	1.34	40.00	13.50	0.14	0.25	-40.89	0.20
8709280335	0.34	63.00	13.30	0.04	0.13	-4.72	0.16
8709280345	1.14	48.00	13.90	0.18	0.15	-15.40	0.31
8709280355	1.71	64.00	13.60	0.09	0.21	-3.03	0.02
8709280405	1.20	66.00	13.30	0.09	0.20	-6.18	0.06
8709280415	1.02	34.00	13.00	0.12	0.12	-3.01	0.12
8709280425	0.41	74.00	13.90	0.10	0.21	-42.05	0.32
8709280435	0.83	35.00	13.70	0.06	0.16	-13.07	0.25
8709280445	0.61	53.00	13.70	0.08	0.17	-20.05	0.30
8709280455	1.03	44.00	13.60	0.51	0.54	-22.25	0.01
8709280505	0.38	45.00	13.50	0.93	0.85	-104.80	0.01
8709280515	0.67	80.00	13.50	0.83	0.77	-81.90	0.01
8709280525	0.72	70.00	14.00	0.09	0.20	-8.73	0.08
8709280535	1.03	69.00	13.40	0.14	0.07	-6.92	1.86
8709280545	0.79	43.00	13.20	0.05	0.14	-2.15	0.06
8709280555	0.44	76.00	13.40	0.07	0.13	-29.37	0.93
8709280605	1.23	70.00	13.10	0.16	0.27	-15.14	0.06
8709280615	0.52	80.00	13.30	0.12	0.30	-1.90	0.01
8709280625	0.70	68.00	12.70	0.18	0.21	-31.44	0.25
8709280635	0.66	52.00	13.70	0.06	0.14	-4.45	0.12
8709280645	0.74	32.00	13.40	0.04	0.12	-8.50	0.35
8709280655	0.32	264.10	13.20	0.06	0.18	5.84	-0.08
8709280705	0.39	210.90	13.40	0.04	0.13	-10.56	0.33
8709280715	0.31	239.10	13.20	0.04	0.11	-2.85	0.16
8709280725	0.18	345.20	13.50	0.05	0.16	-11.02	0.20
8709280735	0.52	229.40	13.60	0.04	0.13	-1.08	0.04
8709280745	0.43	25.00	14.00	0.08	0.16	-23.94	0.40
8709280755	0.99	72.00	13.90	0.08	0.18	-4.01	0.05
8709280805	0.35	135.00	14.80	0.03	0.11	1.11	-0.06
8709280815	0.16	146.00	15.60	0.05	0.17	1.71	-0.03
8709280825	0.78	188.00	16.10	0.05	0.09	-11.85	1.31
8709280835	0.51	214.50	17.00	0.05	0.15	0.60	-0.01
8709280845	0.50	251.00	18.10	0.06	0.06	14.23	-5.14
8709280855	0.49	231.40	19.10	0.07	0.18	10.97	-0.15
8709280905	0.68	262.70	20.20	0.10	0.11	23.03	-1.27
8709280915	0.69	255.30	20.90	0.08	0.19	36.49	-0.41
8709280925	1.07	252.00	21.90	0.17	0.22	44.38	-0.30
8709280935	2.68	239.00	22.70	0.10	0.14	24.20	-0.62
8709280945	3.12	234.80	23.30	0.14	0.10	53.18	-3.85
8709280955	2.61	240.80	24.10	0.21	0.19	30.28	-0.31
8709281005	2.45	243.80	24.70	0.26	0.22	72.20	-0.48
8709281015	2.64	259.40	25.30	0.23	0.17	96.01	-1.33
8709281025	2.69	265.60	25.70	0.24	0.16	72.07	-1.28

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709281055	3.45	262.10	26.20	0.22	0.09	69.87	-6.83
8709281105	3.26	265.90	26.70	0.36	0.16	128.09	-2.12
8709281115	3.41	259.70	26.90	0.48	0.27	84.23	-0.30
8709281125	2.87	246.40	27.40	0.38	0.14	119.94	-3.06
8709281135	2.82	273.80	28.30	0.91	0.37	166.91	-0.22
8709281145	2.68	268.60	28.60	1.05	0.68	222.55	-0.05
8709281155	3.66	258.80	28.50	0.71	0.36	111.79	-0.17
8709281205	3.11	271.20	28.90	1.35	0.66	173.38	-0.04
8709281215	3.30	257.00	29.20	0.76	0.41	169.50	-0.17
8709281225	3.77	263.20	29.50	1.23	0.31	143.62	-0.33
8709281235	3.78	255.30	29.70	0.63	0.22	177.26	-1.21
8709281245	2.94	272.40	30.20	1.71	0.89	148.80	-0.01
8709281255	3.71	255.20	30.50	0.91	0.41	166.91	-0.17
8709281305	3.17	241.60	30.70	0.75	0.35	173.38	-0.29
8709281315	3.29	250.80	31.00	0.57	0.30	212.19	-0.56
8709281325	2.88	247.50	31.30	0.88	0.44	134.56	-0.11
8709281335	2.70	230.30	31.50	1.21	0.81	216.08	-0.03
8709281345	3.07	232.20	31.90	0.50	0.26	204.43	-0.77
8709281355	2.13	218.80	32.00	0.64	0.20	188.91	-1.56
8709281405	3.00	266.00	32.10	0.58	0.35	183.73	-0.30
8709281415	1.68	221.20	32.20	2.09	0.78	108.43	-0.02
8709281425	1.92	254.30	32.40	0.71	0.41	173.38	-0.17
8709281435	1.41	263.50	32.70	1.05	0.57	147.50	-0.05
8709281445	1.59	267.60	32.80	0.72	0.49	151.38	-0.09
8709281455	2.66	267.10	32.90	0.78	0.23	106.36	-0.57
8709281505	2.50	251.40	33.20	0.75	0.33	123.44	-0.24
8709281515	1.62	254.10	33.30	0.79	0.63	133.27	-0.04
8709281525	2.11	250.10	33.50	0.45	0.18	94.19	-1.13
8709281535	2.20	248.30	33.50	0.94	0.49	101.70	-0.06
8709281545	2.12	278.60	33.60	0.34	0.15	111.14	-2.27
8709281555	1.07	247.50	33.60	0.35	0.28	73.49	-0.24
8709281605	1.32	244.70	33.90	0.53	0.57	102.09	-0.04
8709281615	2.01	245.40	34.00	0.52	0.32	55.25	-0.11
8709281625	2.76	238.10	34.00	0.51	0.22	89.79	-0.59
8709281635	1.78	259.20	34.00	0.35	0.25	38.56	-0.16
8709281645	2.04	256.90	34.00	0.29	0.13	73.88	-2.43
8709281655	2.72	263.90	34.00	0.30	0.32	25.62	-0.05
8709281705	3.39	269.90	33.80	0.27	0.23	16.95	-0.10
8709281715	2.43	268.80	33.90	0.21	0.26	11.26	-0.04
8709281725	2.77	260.80	33.70	0.21	0.20	8.60	-0.07
8709281735	1.85	272.80	33.60	0.07	0.10	0.71	-0.05
8709281745	2.08	268.90	33.30	0.17	0.07	-4.62	1.03
8709281755	2.53	260.00	33.00	0.07	0.17	-13.33	0.20
8709281805	2.18	254.30	32.30	0.03	0.09	-0.39	0.04
8709281815	1.41	244.00	30.90	0.10	0.26	-23.16	0.09
8709281825	0.37	221.60	29.80	0.24	0.39	-183.73	0.21
8709281835	0.54	54.00	29.40	0.18	0.33	21.61	-0.04
8709281845	0.74	72.00	28.10	0.10	0.19	-48.65	0.52
8709281855	1.24	73.00	26.60	0.12	0.08	-2.29	0.32
8709281905	1.14	71.00	26.20	0.14	0.08	16.04	-2.50
8709281915	1.29	66.00	25.20	0.16	0.27	-54.73	0.19
8709281925	2.19	48.00	25.00	0.15	0.23	-18.63	0.10
8709281935	1.70	59.00	24.40	0.15	0.19	-26.78	0.28
8709281945	1.26	49.00	23.70	0.11	0.17	-35.19	0.52
8709281955	1.28	54.00	23.10	0.18	0.22	-30.02	0.20
8709282005	0.35	40.00	23.00	0.35	0.40	-109.20	0.12
8709282015	0.59	23.00	22.60	0.19	0.25	-59.65	0.26
8709282025	1.48	55.00	23.20	0.09	0.18	-20.05	0.23
8709282035	0.60	53.00	22.00	0.16	0.28	-36.88	0.12
8709282045	0.98	50.00	22.10	0.12	0.15	-13.46	0.31
8709282055	1.66	62.00	21.50	0.18	0.15	-39.72	0.92
8709282105	1.49	54.00	21.40	0.11	0.11	-12.49	0.70

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709282135	2.04	74.00	20.90	0.21	0.23	-21.09	0.13
8709282145	1.42	93.00	20.90	0.16	0.22	-4.98	0.03
8709282155	0.46	58.00	20.60	0.13	0.18	-23.81	0.32
8709282205	1.06	60.00	19.50	0.22	0.19	-70.13	0.80
8709282215	1.04	55.00	20.10	0.16	0.14	-24.07	0.60
8709282225	0.87	67.00	19.60	0.23	0.21	-43.09	0.35
8709282235	0.77	40.00	19.70	0.14	0.16	-22.77	0.40
8709282245	0.98	82.00	19.40	0.15	0.17	-34.55	0.47
8709282255	1.13	79.00	19.80	0.11	0.14	-10.95	0.26
8709282305	0.85	29.00	19.50	0.08	0.09	-9.61	0.93
8709282315	0.45	31.00	19.50	0.10	0.16	-28.72	0.49
8709282325	0.14	158.00	18.90	0.04	0.14	10.45	-0.27
8709282335	0.78	30.00	19.20	0.16	0.20	6.02	-0.06
8709282345	1.25	85.00	18.50	0.06	0.08	-0.07	0.01
8709282355	1.21	58.00	18.60	0.10	0.15	-7.05	0.15
8709290005	0.61	50.00	18.10	0.14	0.21	-56.02	0.46
8709290015	0.68	20.00	18.00	0.07	0.18	-20.83	0.25
8709290025	0.40	59.00	17.50	0.09	0.22	-30.66	0.21
8709290035	0.50	19.00	17.90	0.08	0.26	-21.09	0.09
8709290045	0.87	38.00	17.80	0.05	0.10	-9.67	0.63
8709290055	0.85	57.00	17.00	0.08	0.18	7.84	-0.11
8709290105	0.27	179.60	17.10	0.05	0.14	-6.77	0.18
8709290115	0.70	47.00	17.20	0.04	0.13	-11.01	0.41
8709290125	0.95	61.00	16.80	0.05	0.12	-11.92	0.49
8709290135	0.54	53.00	16.60	0.16	0.23	-67.67	0.42
8709290145	1.06	48.00	16.90	0.22	0.33	-12.82	0.03
8709290155	0.43	39.00	16.20	0.11	0.16	-22.51	0.41
8709290205	1.19	34.00	16.50	0.09	0.12	-19.54	0.94
8709290215	1.20	51.00	16.80	0.10	0.18	-21.09	0.27
8709290225	0.90	57.00	16.80	0.11	0.18	-20.05	0.24
8709290235	0.86	41.00	16.90	0.09	0.17	0.88	-0.01
8709290245	0.33	16.00	16.20	0.14	0.17	-26.39	0.38
8709290255	0.91	31.00	17.20	0.03	0.06	-10.79	3.08
8709290305	0.71	64.00	16.80	0.14	0.20	-37.26	0.32
8709290315	0.95	39.00	17.00	0.12	0.12	-15.14	0.69
8709290325	0.68	57.00	16.70	0.28	0.34	-35.84	0.07
8709290335	0.79	61.00	16.30	0.26	0.32	-4.46	0.01
8709290345	0.73	73.00	16.80	0.09	0.16	-17.73	0.31
8709290355	0.88	70.00	16.80	0.10	0.22	-20.05	0.14
8709290405	1.10	59.00	16.90	0.07	0.05	-1.32	0.96
8709290415	1.26	77.00	16.60	0.13	0.20	-23.29	0.22
8709290425	1.18	64.00	16.60	0.21	0.19	-26.39	0.27
8709290435	1.05	56.00	16.60	0.12	0.16	-15.91	0.27
8709290445	0.99	72.00	16.40	0.08	0.09	-16.82	1.71
8709290455	1.04	57.00	16.20	0.21	0.34	-38.43	0.07
8709290505	1.30	48.00	16.30	0.07	0.16	-5.33	0.09
8709290515	0.73	34.00	15.80	0.10	0.20	-30.54	0.28
8709290525	1.22	38.00	15.90	0.08	0.10	-13.59	1.06
8709290535	0.94	28.00	15.60	0.08	0.16	-39.72	0.68
8709290545	0.20	7.90	15.50	0.09	0.23	-49.81	0.32
8709290555	0.15	4.60	15.80	0.10	0.24	-27.43	0.15
8709290605	1.02	44.00	15.40	0.15	0.11	-10.61	0.62
8709290615	0.75	46.00	15.50	0.15	0.23	-13.84	0.08
8709290625	0.81	36.00	15.80	0.08	0.14	-3.65	0.10
8709290635	0.94	59.00	16.40	0.06	0.14	-16.95	0.48
8709290645	1.43	57.00	16.10	0.15	0.20	-32.61	0.28
8709290655	1.22	55.00	15.80	0.06	0.17	-2.73	0.04
8709290705	1.26	45.00	15.60	0.10	0.16	-46.32	0.88
8709290715	0.66	79.00	15.00	0.10	0.20	-2.59	0.02
8709290725	0.33	338.80	15.00	0.12	0.16	-4.76	0.09
8709290735	1.16	53.00	15.40	0.12	0.15	-21.22	0.48
8709290745	0.40	100.00	15.70	0.23	0.39	-24.58	0.03

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709290815	0.28	41.00	16.80	0.05	0.14	-3.12	0.09
8709290825	0.49	79.00	17.30	0.04	0.10	-4.88	0.37
8709290835	0.60	246.70	18.50	0.03	0.06	-1.03	0.41
8709290845	0.70	227.70	19.50	0.05	0.09	1.35	-0.16
8709290855	0.27	153.00	20.90	0.06	0.13	36.49	-1.11
8709290905	0.53	208.10	21.70	0.07	0.14	12.72	-0.33
8709290915	0.64	265.20	22.80	0.06	0.08	18.37	-2.83
8709290925	0.80	298.50	23.80	0.10	0.12	21.35	-0.89
8709290935	1.38	249.50	24.80	0.32	0.34	36.75	-0.07
8709290945	3.29	237.10	24.90	0.15	0.19	41.15	-0.42
8709290955	3.21	241.00	25.70	0.26	0.29	24.20	-0.07
8709291005	3.07	244.50	26.20	0.20	0.10	27.30	-1.90
8709291015	2.89	246.90	26.60	0.26	0.16	51.11	-0.82
8709291025	2.38	242.80	27.10	0.23	0.19	88.24	-0.86
8709291035	2.47	234.00	27.60	0.16	0.14	95.36	-2.25
8709291045	2.89	235.40	27.80	0.20	0.14	100.66	-2.39
8709291055	3.05	252.00	28.60	0.29	0.16	66.89	-1.12
8709291105	3.31	261.20	29.10	0.39	0.16	92.25	-1.60
8709291115	3.27	264.70	29.50	0.32	0.24	147.50	-0.73
8709291125	3.00	263.50	29.80	0.27	0.14	110.76	-2.62
8709291135	3.33	260.50	29.90	0.42	0.24	98.59	-0.50
8709291145	3.68	256.50	30.20	0.33	0.21	113.34	-0.84
8709291155	3.53	249.50	30.50	0.37	0.20	135.86	-1.11
8709291205	3.85	250.80	30.70	0.35	0.19	129.39	-1.34
8709291215	3.22	256.00	31.40	0.65	0.31	188.91	-0.43
8709291225	3.22	254.70	31.80	0.78	0.47	139.74	-0.09
8709291235	2.32	283.20	32.60	1.25	0.52	199.26	-0.10
8709291245	3.99	255.90	32.30	0.48	0.28	147.50	-0.49
8709291255	4.19	251.20	32.40	0.60	0.35	120.85	-0.19
8709291305	3.95	252.00	32.80	0.66	0.28	151.38	-0.46
8709291315	3.77	254.70	33.00	0.74	0.33	187.61	-0.37
8709291325	3.42	245.30	33.00	0.65	0.36	150.09	-0.23
8709291335	3.04	243.20	33.50	0.59	0.18	165.62	-2.02
8709291345	3.41	260.00	33.70	0.71	0.30	163.03	-0.41
8709291355	2.64	310.80	33.90	1.39	0.66	111.40	-0.03
8709291405	2.81	272.60	34.50	1.28	0.68	165.62	-0.04
8709291415	2.86	250.00	34.60	0.96	0.33	218.66	-0.43
8709291425	2.63	252.10	34.70	0.73	0.28	155.26	-0.47
8709291435	2.05	270.20	34.80	1.22	0.39	104.03	-0.12
8709291445	2.43	255.90	35.20	0.82	0.37	168.20	-0.23
8709291455	3.17	268.80	35.30	0.98	0.31	128.09	-0.31
8709291505	3.50	255.30	35.30	1.15	0.64	133.27	-0.04
8709291515	2.84	250.90	35.40	0.79	0.30	133.27	-0.34
8709291525	2.84	254.40	35.60	0.98	0.27	79.44	-0.27
8709291535	3.39	256.40	35.60	0.88	0.49	91.09	-0.05
8709291545	2.60	261.20	35.80	1.05	0.21	127.70	-0.93
8709291555	2.31	243.50	35.90	0.87	0.41	108.81	-0.11
8709291605	3.27	239.80	35.80	0.65	0.18	51.37	-0.61
8709291615	3.24	241.20	35.90	0.42	0.24	44.25	-0.22
8709291625	3.75	259.30	35.90	1.01	0.33	57.84	-0.11
8709291635	3.22	254.00	35.90	0.40	0.37	67.41	-0.09
8709291645	2.81	251.30	35.90	0.51	0.43	38.17	-0.03
8709291655	2.57	254.80	35.90	0.28	0.32	31.44	-0.06
8709291705	2.28	250.90	35.90	0.19	0.16	17.86	-0.33
8709291715	2.23	254.40	35.80	0.15	0.16	10.43	-0.19
8709291725	2.28	254.50	35.50	0.09	0.16	-7.94	0.15
8709291735	1.97	258.50	35.50	0.19	0.29	-6.46	0.02
8709291745	2.03	252.10	34.90	0.03	0.04	3.07	-2.57
8709291755	1.61	257.50	34.00	0.03	0.10	-2.15	0.15
8709291805	0.51	273.90	33.40	0.06	0.18	-65.47	0.83
8709291815	0.27	272.10	32.20	0.07	0.11	16.17	-0.76
8709291825	0.53	53.00	31.50	0.05	0.16	44.38	-0.80

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709291855	1.31	76.00	28.30	0.21	0.21	-20.83	0.15
8709291905	2.00	58.00	27.90	0.20	0.24	-160.44	0.85
8709291915	1.59	68.00	26.80	0.31	0.39	1.90	0.00
8709291925	1.78	50.00	26.80	0.16	0.24	-32.48	0.17
8709291935	1.42	57.00	26.00	0.13	0.15	-25.36	0.56
8709291945	1.72	57.00	26.30	0.16	0.24	-23.55	0.12
8709291955	1.10	89.00	26.10	0.14	0.20	-40.63	0.35
8709292005	1.48	91.00	25.00	0.29	0.32	-43.09	0.09
8709292015	1.67	106.00	25.40	0.23	0.28	-21.74	0.07
8709292025	1.28	74.00	24.60	0.16	0.15	-21.61	0.42
8709292035	1.65	83.00	24.50	0.36	0.29	-29.50	0.08
8709292045	1.60	80.00	24.30	0.20	0.24	-15.14	0.08
8709292055	2.01	64.00	24.50	0.22	0.19	-52.92	0.54
8709292105	2.69	78.00	24.00	0.41	0.41	-20.57	0.02
8709292115	1.73	76.00	23.80	1.08	0.31	-29.89	0.07
8709292125	2.47	45.00	24.20	0.63	0.31	-69.22	0.17
8709292135	1.68	54.00	23.80	0.42	0.29	-66.63	0.19
8709292145	2.21	56.00	23.90	0.61	0.38	-96.13	0.13
8709292155	3.15	64.00	23.80	0.30	0.24	-40.50	0.22
8709292205	2.12	53.00	23.70	0.24	0.23	-10.29	0.06
8709292215	1.66	66.00	22.50	0.22	0.19	-34.42	0.37
8709292225	1.53	75.00	22.50	0.25	0.21	-15.01	0.12
8709292235	1.31	97.00	22.10	0.50	0.51	-49.68	0.03
8709292245	0.12	285.50	20.80	0.38	0.43	-524.02	0.46
8709292255	0.43	91.00	21.20	0.59	0.50	-80.35	0.05
8709292305	0.51	80.00	20.50	0.56	0.53	-72.84	0.04
8709292315	0.83	48.00	19.90	0.50	0.43	-251.01	0.23
8709292325	1.43	80.00	19.30	0.06	0.12	-3.30	0.13
8709292335	1.47	51.00	20.20	0.07	0.08	-11.49	1.51
8709292345	2.06	82.00	19.60	0.25	0.33	-1.95	0.00
8709292355	2.03	79.00	19.60	0.20	0.23	-45.54	0.29
8709300005	1.14	55.00	19.40	0.48	0.31	-70.39	0.18
8709300015	1.88	61.00	19.70	0.11	0.18	-36.62	0.48
8709300025	2.13	79.00	19.80	0.14	0.13	-23.16	0.68
8709300035	1.76	55.00	19.10	0.38	0.46	-39.46	0.03
8709300045	0.96	55.00	19.10	0.32	0.38	-43.73	0.06
8709300055	1.16	53.00	19.20	0.11	0.13	-12.08	0.42
8709300105	0.50	51.00	19.10	0.16	0.21	-36.36	0.29
8709300115	1.33	45.00	19.30	0.14	0.25	-38.43	0.18
8709300125	0.23	27.00	18.40	0.12	0.25	-117.22	0.52
8709300135	0.76	71.00	18.70	0.17	0.22	-61.85	0.45
8709300145	0.98	41.00	18.90	0.10	0.15	-8.72	0.20
8709300155	0.34	51.00	18.70	0.17	0.28	-30.15	0.10
8709300205	0.48	38.00	18.80	0.25	0.34	-104.80	0.20
8709300215	0.34	91.00	18.50	0.18	0.30	-27.82	0.08
8709300225	0.74	63.00	19.10	0.20	0.30	-34.42	0.09
8709300235	1.12	61.00	19.10	0.07	0.17	-19.54	0.31
8709300245	0.83	69.00	19.10	0.10	0.15	-20.31	0.43
8709300255	1.45	53.00	19.30	0.12	0.10	-12.16	1.00
8709300305	1.39	57.00	19.00	0.18	0.17	-9.34	0.15
8709300315	1.36	66.00	19.00	0.33	0.34	-33.51	0.06
8709300325	1.19	55.00	18.40	0.09	0.12	-20.83	0.87
8709300335	1.58	55.00	18.10	0.05	0.07	-5.30	1.03
8709300345	1.07	51.00	18.30	0.12	0.16	0.21	0.00
8709300355	0.54	29.00	17.70	0.09	0.17	-67.28	1.06
8709300405	0.79	22.00	17.60	0.17	0.32	-31.57	0.07
8709300415	1.20	52.00	17.30	0.09	0.23	-14.10	0.08
8709300425	0.42	47.00	17.50	0.12	0.21	-57.32	0.48
8709300435	0.94	41.00	17.30	0.08	0.09	-44.25	3.94
8709300445	1.24	33.00	17.40	0.07	0.09	9.85	-1.14
8709300455	0.98	53.00	16.70	0.05	0.09	-14.75	1.28
8709300505	0.83	41.00	16.90	0.08	0.14	-16.56	0.40

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709300535	0.51	0.50	16.80	0.24	0.31	-84.23	0.21
8709300545	0.55	73.00	17.20	0.29	0.51	-107.26	0.06
8709300555	0.94	41.00	17.20	0.05	0.11	-21.22	1.34
8709300605	0.18	219.10	16.60	0.13	0.31	91.22	-0.23
8709300615	0.36	218.10	16.50	0.07	0.14	-1.80	0.05
8709300625	1.27	45.00	17.40	0.14	0.21	-9.57	0.08
8709300635	1.18	40.00	17.30	0.06	0.10	0.69	-0.05
8709300645	1.33	57.00	17.10	0.18	0.22	-57.32	0.38
8709300655	1.42	72.00	17.10	0.14	0.12	-7.34	0.30
8709300705	1.14	55.00	17.20	0.07	0.19	-6.31	0.06
8709300715	1.14	36.00	17.30	0.11	0.14	2.68	-0.07
8709300725	1.01	72.00	17.00	0.16	0.16	-20.05	0.39
8709300735	0.33	109.00	16.60	0.23	0.30	-21.35	0.06
8709300745	0.16	103.00	17.10	0.09	0.22	-7.74	0.05
8709300755	0.47	46.00	17.40	0.10	0.18	-33.12	0.42
8709300805	0.30	53.00	17.70	0.09	0.17	-2.96	0.04
8709300815	0.63	61.00	18.00	0.07	0.18	-4.27	0.05
8709300825	0.26	121.00	18.70	0.05	0.19	13.59	-0.14
8709300835	0.68	215.30	19.90	0.04	0.18	4.31	-0.06
8709300845	0.25	117.00	20.80	0.07	0.18	-8.16	0.11
8709300855	0.57	32.00	21.70	0.07	0.12	16.95	-0.65
8709300905	0.29	304.60	22.60	0.06	0.11	18.37	-1.13
8709300915	0.64	229.60	23.50	0.10	0.16	13.84	-0.23
8709300925	0.58	183.10	24.60	0.10	0.19	105.45	-1.14
8709300935	0.99	285.90	25.60	0.12	0.20	25.36	-0.22
8709300945	3.11	259.50	26.40	0.42	0.42	20.18	-0.02
8709300955	2.80	275.30	26.60	0.35	0.38	43.99	-0.06
8709301005	3.11	263.10	26.30	0.32	0.22	50.33	-0.32
8709301015	2.95	257.40	26.50	0.42	0.32	74.79	-0.17
8709301025	2.86	255.80	27.00	0.22	0.17	60.94	-0.81
8709301035	1.68	247.30	27.70	0.27	0.27	152.68	-0.52
8709301045	1.82	224.20	28.20	0.27	0.18	111.14	-1.41
8709301055	1.69	224.60	28.70	0.28	0.17	95.23	-1.26
8709301105	1.45	226.20	29.60	0.23	0.27	147.50	-0.55
8709301115	2.04	202.10	30.20	0.24	0.29	76.60	-0.22
8709301125	2.97	248.10	31.10	0.56	0.58	129.39	-0.05
8709301135	3.20	259.00	31.10	0.32	0.26	98.85	-0.40
8709301145	3.33	255.00	31.30	0.33	0.20	98.46	-0.91
8709301155	3.50	255.30	31.70	0.31	0.15	94.06	-2.11
8709301205	3.45	248.70	31.90	0.45	0.29	94.06	-0.27
8709301215	3.11	255.70	32.30	0.87	0.42	164.32	-0.15
8709301225	1.96	280.50	32.90	1.15	0.42	148.80	-0.14
8709301235	1.79	263.70	33.40	0.92	0.55	183.73	-0.08
8709301245	1.44	263.70	33.80	1.27	0.90	229.01	-0.02
8709301255	3.40	256.60	33.90	1.05	0.50	157.85	-0.09
8709301305	3.86	247.50	33.80	0.48	0.15	103.51	-1.97
8709301315	3.48	260.50	34.10	0.59	0.43	98.20	-0.09
8709301325	3.59	255.00	34.60	0.90	0.58	182.44	-0.07
8709301335	2.84	253.20	34.90	0.50	0.26	157.85	-0.59
8709301345	3.00	241.90	35.20	0.43	0.16	179.85	-2.94
8709301355	3.00	234.60	35.40	0.72	0.51	174.67	-0.09
8709301405	2.95	239.10	35.60	0.56	0.48	174.67	-0.11
8709301415	3.18	245.60	35.70	0.83	0.19	112.05	-1.09
8709301425	2.82	252.90	35.90	0.61	0.24	177.26	-0.83
8709301435	2.96	254.30	36.10	0.62	0.50	135.86	-0.07
8709301445	3.90	251.40	36.20	0.84	0.30	127.58	-0.32
8709301455	4.13	257.10	36.10	0.86	0.50	93.03	-0.05
8709301505	3.47	254.20	36.30	0.49	0.47	124.73	-0.08
8709301515	3.66	246.70	36.30	0.61	0.27	98.46	-0.36
8709301525	2.12	263.20	36.40	1.61	0.99	113.73	-0.01
8709301535	2.22	257.50	36.40	0.74	0.50	105.71	-0.06
8709301545	2.61	271.30	36.40	1.35	0.87	57.45	-0.01

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8709301615	2.21	258.50	36.70	1.05	0.69	79.31	-0.02
8709301625	1.59	285.10	36.80	0.95	0.54	33.90	-0.01
8709301635	2.10	274.90	36.70	0.59	0.55	58.09	-0.02
8709301645	2.17	265.40	36.60	0.38	0.24	27.69	-0.14
8709301655	1.79	262.00	36.60	0.40	0.23	23.42	-0.14
8709301705	2.13	243.20	36.60	0.29	0.28	28.85	-0.09
8709301715	1.67	207.00	36.60	0.17	0.25	17.08	-0.07
8709301725	1.95	260.50	36.50	0.34	0.47	11.09	-0.01
8709301735	1.47	267.90	36.10	0.08	0.14	-2.17	0.06
8709301745	1.31	262.70	35.20	0.10	0.22	2.54	-0.02
8709301755	1.13	261.20	34.60	0.09	0.14	34.42	-0.80
8709301805	1.09	238.30	33.80	0.05	0.14	-16.43	0.38
8709301815	0.25	14.00	32.50	0.19	0.39	-3.64	0.00
8709301825	0.59	77.0C	32.40	0.08	0.14	-1.58	0.04
8709301835	1.27	72.00	30.50	0.18	0.31	16.56	-0.04
8709301845	1.27	85.00	30.20	0.29	0.42	-24.32	0.02
8709301855	1.19	59.00	28.20	0.09	0.14	-40.37	0.99
8709301905	1.09	65.00	28.20	0.16	0.16	-49.17	0.88
8709301915	1.34	41.00	27.50	0.16	0.23	-16.69	0.10
8709301925	1.03	45.00	27.20	0.06	0.16	-12.94	0.21
8709301935	0.91	23.00	27.00	0.04	0.11	-3.17	0.19
8709301945	1.25	37.00	26.10	0.09	0.24	-11.00	0.05
8709301955	0.91	55.00	25.80	0.08	0.16	-36.49	0.69
8709302005	0.91	89.00	25.60	0.14	0.22	-48.78	0.32
8709302015	1.12	89.00	25.40	0.21	0.19	-23.55	0.24
8709302025	1.02	88.00	25.10	0.17	0.27	-27.56	0.10
8709302035	0.68	101.00	25.10	0.17	0.24	-26.91	0.14
8709302045	0.59	98.00	24.30	0.23	0.34	-52.40	0.10
8709302055	0.77	86.00	24.40	0.27	0.18	-29.24	0.34
8709302105	2.25	85.00	24.70	0.33	0.25	-31.70	0.14
8709302115	0.97	97.00	24.00	0.12	0.16	-15.27	0.26
8709302125	0.98	89.00	23.80	0.17	0.21	-28.47	0.23
8709302135	0.74	76.00	24.00	0.18	0.18	-48.65	0.61
8709302145	0.90	47.00	23.80	0.30	0.34	-12.76	0.02
8709302155	0.91	75.00	22.80	0.28	0.38	6.21	-0.01
8709302205	1.18	63.00	22.70	0.16	0.19	-18.76	0.20
8709302215	2.10	49.00	23.10	0.41	0.49	-19.15	0.01
8709302225	1.01	70.00	22.10	0.65	0.63	-101.31	0.03
8709302235	.12	122.00	21.50	0.10	0.15	19.15	-0.40
8709302245	0.86	32.00	22.20	0.38	0.28	-86.56	0.28
8709302255	1.37	78.00	22.20	0.28	0.21	-53.70	0.44
8709302305	1.06	70.00	22.70	0.26	0.31	-91.48	0.22
8709302315	2.28	78.00	22.80	0.38	0.42	-24.45	0.02
8709302325	4.08	73.00	23.60	0.36	0.35	-35.71	0.06
8709302335	3.16	60.00	23.60	0.51	0.49	-23.03	0.01
8709302345	2.15	71.00	23.70	1.19	0.50	-182.44	0.10
8709302355	0.40	96.00	22.50	0.35	0.48	-25.75	0.02
8710010005	1.38	50.00	22.50	0.21	0.25	-13.46	0.06
8710010015	1.32	71.00	22.00	0.13	0.12	-14.36	0.56
8710010025	0.87	56.00	22.20	0.30	0.28	-31.96	0.10
8710010035	1.98	72.00	22.10	0.15	0.19	-19.54	0.19
8710010045	2.02	51.00	22.10	0.12	0.14	-14.36	0.40
8710010055	1.79	74.00	21.70	0.26	0.24	-24.07	0.12
8710010105	2.11	60.00	22.10	0.13	0.37	0.00	0.00
8710010115	**********	**********	**********	**********	**********	**********	**********
8710010125	**********	**********	**********	**********	**********	**********	**********
8710010135	**********	**********	**********	**********	**********	**********	**********
8710010145	**********	**********	**********	**********	**********	**********	**********
8710010155	**********	**********	**********	**********	**********	**********	**********
8710010205	**********	**********	**********	**********	**********	**********	**********
8710010215	**********	**********	**********	**********	**********	**********	**********
8710010225	**********	**********	**********	**********	**********	**********	**********

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8710010255	**********	**********	**********	**********	**********	**********	**********
8710010305	**********	**********	**********	**********	**********	**********	**********
8710010315	**********	**********	**********	**********	**********	**********	**********
8710010325	**********	**********	**********	**********	**********	**********	**********
8710010335	**********	**********	**********	**********	**********	**********	**********
8710010345	**********	**********	**********	**********	**********	**********	**********
8710010355	**********	**********	**********	**********	**********	**********	**********
8710010405	**********	**********	**********	**********	**********	**********	**********
8710010415	**********	**********	**********	**********	**********	**********	**********
8710010425	**********	**********	**********	**********	**********	**********	**********
8710010435	**********	**********	**********	**********	**********	**********	**********
8710010445	**********	**********	**********	**********	**********	**********	**********
8710010455	**********	**********	**********	**********	**********	**********	**********
8710010505	**********	**********	**********	**********	**********	**********	**********
8710010515	**********	**********	**********	**********	**********	**********	**********
8710010525	**********	**********	**********	**********	**********	**********	**********
8710010535	**********	**********	**********	**********	**********	**********	**********
8710010545	**********	**********	**********	**********	**********	**********	**********
8710010555	**********	**********	**********	**********	**********	**********	**********
8710010605	**********	**********	**********	**********	**********	**********	**********
8710010615	**********	**********	**********	**********	**********	**********	**********
8710010625	**********	**********	**********	**********	**********	**********	**********
8710010635	**********	**********	**********	**********	**********	**********	**********
8710010645	1.07	40.00	18.80	0.20	0.29	-13.84	0.04
8710010655	0.77	92.00	18.20	0.24	0.19	-41.15	0.45
8710010705	0.41	76.00	18.60	0.09	0.20	-38.69	0.34
8710010715	1.46	45.00	18.50	0.32	0.39	-54.21	0.07
8710010725	0.85	73.00	18.60	0.24	0.26	-55.90	0.23
8710010735	1.14	65.00	18.40	0.21	0.23	-4.52	0.03
8710010745	1.49	66.00	18.20	0.19	0.31	-6.18	0.01
8710010755	0.68	67.00	18.60	0.21	0.38	-56.41	0.08
8710010805	0.46	103.00	19.00	0.36	0.46	-12.94	0.01
8710010815	0.88	47.00	19.00	0.26	0.41	-13.33	0.01
8710010825	0.15	224.50	19.70	0.05	0.12	2.15	-0.09
8710010835	0.53	320.20	20.50	0.40	0.60	-5.16	0.00
8710010845	0.30	151.00	21.50	0.68	0.67	-2.37	0.00
8710010855	0.55	201.90	22.40	0.09	0.14	-8.28	0.20
8710010905	0.14	66.00	23.60	0.11	0.16	45.93	-0.86
8710010915	0.44	5.10	24.40	0.30	0.38	25.36	-0.03
8710010925	1.04	206.20	25.40	0.16	0.25	37.65	-0.17
8710010935	2.06	234.50	26.20	0.31	0.37	53.18	-0.08
8710010945	2.15	235.10	27.30	0.33	0.34	8.27	-0.02
8710010955	2.19	259.50	28.10	0.50	0.23	60.55	-0.36
8710011005	2.35	267.00	28.50	0.87	0.72	52.92	-0.01
8710011015	3.00	262.60	28.60	0.36	0.29	63.27	-0.19
8710011025	2.28	260.70	29.00	0.43	0.23	71.94	-0.43
8710011035	2.66	260.50	29.30	0.31	0.17	84.75	-1.15
8710011045	3.79	262.40	29.30	0.51	0.32	135.86	-0.28
8710011055	2.61	258.00	29.60	0.43	0.24	63.14	-0.32
8710011105	3.20	264.60	30.10	0.34	0.16	102.09	-1.81
8710011115	3.28	266.20	30.40	0.38	0.22	85.40	-0.53
8710011125	3.48	274.80	30.80	0.87	0.40	142.33	-0.16
8710011135	3.05	268.90	31.30	0.51	0.21	125.51	-1.01
8710011145	3.45	261.30	31.50	0.53	0.42	166.91	-0.16
8710011155	4.02	263.10	31.40	0.62	0.31	107.52	-0.24
8710011205	4.05	270.60	31.50	0.61	0.28	131.97	-0.42
8710011215	3.80	267.60	31.70	0.71	0.50	71.94	-0.04
8710011225	3.76	262.80	31.80	0.57	0.37	135.86	-0.18
8710011235	3.21	264.40	32.30	0.99	0.63	165.62	-0.05
8710011245	3.36	271.40	32.30	0.66	0.39	161.73	-0.18
8710011255	2.57	275.40	32.80	0.67	0.50	170.79	-0.09
8710011305	3.00	264.50	33.30	0.46	0.28	192.79	-0.60

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8710011335	2.76	268.80	33.90	1.33	0.54	192.79	-0.08
8710011345	2.99	276.40	34.10	1.18	0.40	174.67	-0.19
8710011355	2.65	271.10	34.20	1.03	0.39	199.26	-0.24
8710011405	4.19	269.60	34.20	0.80	0.25	131.97	-0.57
8710011415	3.05	273.20	34.30	1.03	0.60	181.14	-0.06
8710011425	3.74	234.30	34.60	0.70	0.16	218.66	-3.71
8710011435	2.97	220.80	34.50	1.02	0.36	156.56	-0.24
8710011445	2.87	256.50	34.90	0.76	0.52	148.80	-0.07
8710011455	3.63	211.10	34.70	0.94	0.60	99.76	-0.03
8710011505	3.19	242.10	35.00	0.71	0.37	108.94	-0.14
8710011515	3.40	256.00	35.30	0.87	0.56	146.21	-0.06
8710011525	2.72	224.70	35.50	1.21	0.72	142.33	-0.03
8710011535	4.59	233.20	35.30	0.71	0.32	96.13	-0.20
8710011545	3.95	235.10	35.70	1.34	0.64	130.68	-0.03
8710011555	2.93	215.90	35.80	1.56	0.85	147.50	-0.02
8710011605	3.20	206.70	35.70	1.09	0.30	89.15	-0.22
8710011615	3.28	216.10	35.60	1.86	1.06	81.64	0.00
8710011625	4.56	236.70	35.30	0.80	0.33	44.51	-0.08
8710011635	4.00	234.10	35.30	0.79	0.37	50.85	-0.07
8710011645	2.56	219.20	35.30	1.25	0.56	44.64	-0.02
8710011655	3.33	227.50	35.10	1.65	0.85	52.27	-0.01
8710011705	2.21	222.90	35.00	1.00	0.49	24.45	-0.01
8710011715	2.04	236.60	35.00	0.80	0.43	23.68	-0.02
8710011725	1.76	204.70	34.90	0.86	0.63	7.44	0.00
8710011735	0.77	259.10	34.70	0.97	0.64	-5.02	0.00
8710011745	1.31	232.60	34.60	0.73	0.51	-8.80	0.00
8710011755	0.44	217.20	34.50	0.52	0.43	5.30	0.00
8710011805	0.53	296.70	33.80	0.55	0.56	-135.86	0.05
8710011815	0.26	318.20	32.70	0.26	0.35	-46.97	0.08
8710011825	0.74	214.00	31.50	0.11	0.22	-69.61	0.43
8710011835	0.63	70.00	29.70	0.33	0.38	245.84	-0.32
8710011845	1.48	78.00	28.90	0.12	0.22	-13.07	0.08
8710011855	0.81	75.00	27.80	0.21	0.14	33.12	-0.80
8710011905	0.99	80.00	27.30	0.15	0.17	-9.37	0.13
8710011915	1.86	57.00	27.30	0.19	0.12	-3.40	0.13
8710011925	1.58	53.00	26.40	0.15	0.22	-11.59	0.08
8710011935	1.75	69.00	26.50	0.26	0.18	-8.40	0.10
8710011945	1.31	44.00	26.00	0.22	0.34	-18.24	0.03
8710011955	0.97	78.00	25.00	0.22	0.25	-59.26	0.28
8710012005	0.70	46.00	24.90	0.25	0.41	-54.99	0.06
8710012015	0.60	40.00	24.60	0.25	0.26	-31.44	0.13
8710012025	0.81	50.00	24.70	0.07	0.15	-11.20	0.24
8710012035	1.97	61.00	25.00	0.08	0.15	-5.49	0.13
8710012045	1.89	57.00	24.00	0.22	0.17	-41.53	0.61
8710012055	1.05	82.00	23.70	0.12	0.20	-24.97	0.22
8710012105	1.29	100.00	23.40	0.16	0.15	-32.22	0.70
8710012115	2.60	80.00	23.50	0.76	0.58	-32.86	0.01
8710012125	3.97	70.00	24.50	0.42	0.29	-47.49	0.14
8710012135	4.21	61.00	24.60	0.42	0.31	-27.95	0.07
8710012145	4.30	61.00	24.70	0.28	0.20	-21.22	0.18
8710012155	2.43	70.00	23.90	1.25	0.67	-64.95	0.02
8710012205	0.71	72.00	23.30	0.40	0.35	-36.99	0.06
8710012215	1.38	78.00	23.00	0.15	0.27	-28.98	0.11
8710012225	0.78	89.00	22.60	0.14	0.19	-15.91	0.18
8710012235	0.70	82.00	22.20	0.14	0.21	-53.31	0.42
8710012245	0.30	195.60	21.70	0.14	0.31	23.68	-0.06
8710012255	1.10	230.70	21.10	0.08	0.16	-50.20	0.97
8710012305	0.21	333.30	20.50	0.19	0.18	8.42	-0.11
8710012315	0.21	93.00	21.10	0.04	0.12	2.35	-0.11
8710012325	0.71	51.00	20.90	0.10	0.17	0.04	0.00
8710012335	0.58	43.00	20.80	0.12	0.30	-6.08	0.02
8710012345	0.97	50.00	21.00	0.09	0.25	-10.76	0.05

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8710020015	1.07	53.00	20.10	0.03	0.05	-3.52	2.11
8710020025	0.48	351.90	20.30	0.20	0.29	-73.75	0.22
8710020035	0.64	46.00	19.90	0.10	0.19	-26.65	0.27
8710020045	0.83	49.00	19.70	0.04	0.07	-12.78	2.44
8710020055	0.68	61.00	19.60	0.07	0.19	-19.15	0.22
8710020105	1.06	55.00	19.80	0.06	0.11	-14.23	0.89
8710020115	1.00	48.00	19.40	0.16	0.30	-40.76	0.11
8710020125	0.75	58.00	19.40	0.06	0.16	-3.44	0.06
8710020135	1.01	64.00	19.10	0.14	0.25	7.49	-0.04
8710020145	0.90	55.00	19.10	0.07	0.11	-7.23	0.43
8710020155	1.31	51.00	18.90	0.09	0.17	18.63	-0.28
8710020205	1.01	62.00	19.40	0.15	0.27	-17.98	0.06
8710020215	0.17	15.00	18.60	0.13	0.32	-33.12	0.07
8710020225	0.32	327.80	18.90	0.10	0.09	2.89	-0.26
8710020235	0.69	40.00	19.50	0.10	0.15	-28.72	0.59
8710020245	1.00	58.00	19.20	0.14	0.14	-30.79	0.87
8710020255	0.25	85.00	18.90	0.28	0.46	29.11	-0.02
8710020305	0.70	38.00	18.90	0.12	0.20	-16.43	0.14
8710020315	0.96	48.00	18.50	0.17	0.23	-14.88	0.08
8710020325	0.29	49.00	18.30	0.24	0.42	-45.29	0.04
8710020335	0.47	293.50	18.70	0.03	0.05	-6.77	3.33
8710020345	0.92	62.00	18.50	0.09	0.16	-10.98	0.18
8710020355	0.69	30.00	18.10	0.11	0.21	-23.94	0.18
8710020405	1.00	68.00	17.50	0.08	0.21	-0.19	0.00
8710020415	0.19	46.00	17.80	0.07	0.23	-55.77	0.34
8710020425	0.65	42.00	17.60	0.21	0.21	-22.51	0.18
8710020435	0.76	50.00	17.50	0.08	0.14	-2.07	0.05
8710020445	0.79	43.00	17.30	0.09	0.15	-16.04	0.38
8710020455	0.67	60.00	16.20	0.07	0.19	-0.52	0.01
8710020505	0.44	30.00	16.60	0.15	0.26	-34.03	0.15
8710020515	0.55	84.00	16.70	0.12	0.30	13.84	-0.04
8710020525	1.07	60.00	16.60	0.04	0.09	-4.88	0.52
8710020535	0.58	25.00	17.00	0.03	0.12	-4.35	0.17
8710020545	0.78	49.00	16.60	0.11	0.12	-22.13	0.95
8710020555	0.81	68.00	16.50	0.11	0.23	-24.32	0.15
8710020605	1.28	50.00	16.30	0.04	0.06	-16.95	6.33
8710020615	0.75	47.00	16.50	0.11	0.16	-7.97	0.14
8710020625	0.40	5.40	16.60	0.14	0.21	11.30	-0.09
8710020635	0.53	337.70	16.70	0.03	0.07	1.08	-0.25
8710020645	0.37	285.00	17.00	0.23	0.32	9.25	-0.02
8710020655	0.59	4.70	16.90	0.15	0.14	-34.42	0.99
8710020705	0.18	337.50	17.30	0.08	0.17	-18.63	0.28
8710020715	0.66	14.00	17.40	0.04	0.06	-2.65	0.73
8710020725	0.81	56.00	17.70	0.05	0.12	-12.40	0.58
8710020735	1.50	70.00	17.70	0.06	0.09	-6.30	0.56
8710020745	1.45	65.00	17.30	0.06	0.14	-9.17	0.25
8710020755	0.85	76.00	17.20	0.13	0.16	-31.83	0.62
8710020805	0.68	88.00	17.50	0.08	0.13	18.76	-0.69
8710020815	0.32	14.00	18.30	0.02	0.04	-1.44	1.73
8710020825	0.18	239.10	18.60	0.04	0.14	8.91	-0.21
8710020835	0.26	165.00	19.60	0.03	0.10	23.16	-1.70
8710020845	0.10	265.50	20.60	0.03	0.08	-17.98	2.91
8710020855	0.45	265.40	21.50	0.05	0.09	26.91	-2.41
8710020905	0.17	290.20	22.40	0.06	0.07	43.73	-10.49
8710020915	0.33	235.90	23.20	0.14	0.27	41.27	-0.15
8710020925	1.24	252.90	24.40	0.14	0.19	51.50	-0.50
8710020935	2.21	261.50	25.60	0.42	0.53	33.12	-0.02
8710020945	2.06	253.30	25.70	0.38	0.50	33.77	-0.02
8710020955	2.66	254.60	26.00	0.24	0.25	74.27	-0.35
8710021005	2.68	248.70	26.20	0.24	0.21	83.97	-0.64
8710021015	3.16	255.70	26.50	0.31	0.22	110.63	-0.75
8710021025	3.30	261.70	26.30	0.35	0.20	95.62	-0.84

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8710021055	2.34	246.00	26.70	0.15	0.15	83.97	-1.63
8710021105	2.30	240.30	27.40	0.28	0.35	76.47	-0.13
8710021115	2.14	238.70	28.10	0.40	0.19	120.07	-1.18
8710021125	1.57	239.30	28.90	0.60	0.38	194.08	-0.24
8710021135	1.47	304.60	29.20	1.31	0.82	111.53	-0.01
8710021145	2.48	259.10	29.70	1.10	0.79	187.61	-0.03
8710021155	2.73	261.80	30.20	0.79	0.47	191.49	-0.13
8710021205	2.83	263.90	30.20	0.91	0.57	219.96	-0.08
8710021215	3.19	243.60	30.30	0.38	0.33	103.90	-0.20
8710021225	3.15	251.40	30.70	0.64	0.12	175.97	-7.12
8710021235	3.45	259.90	31.00	0.66	0.44	161.73	-0.13
8710021245	2.07	250.00	31.50	0.90	0.61	309.23	-0.09
8710021255	1.64	246.50	31.60	0.67	0.38	148.80	-0.19
8710021305	2.20	228.30	32.40	0.73	0.58	234.19	-0.08
8710021315	0.42	279.40	32.60	0.72	0.17	128.61	-1.98
8710021325	2.58	261.70	33.30	1.64	0.65	258.77	-0.07
8710021335	2.62	267.90	33.20	1.17	0.31	137.15	-0.31
8710021345	3.01	276.30	33.20	0.94	0.54	111.40	-0.05
8710021355	3.92	271.80	33.20	0.53	0.41	53.31	-0.05
8710021405	3.59	274.40	33.10	0.53	0.36	109.46	-0.17
8710021415	2.26	282.60	33.60	0.83	0.65	106.10	-0.03
8710021425	1.14	14.00	34.20	0.60	0.50	157.85	-0.09
8710021435	1.26	228.20	34.70	1.00	0.46	103.25	-0.07
8710021445	3.11	231.10	35.00	1.21	0.39	194.08	-0.22
8710021455	2.67	253.60	34.90	1.68	1.01	178.55	-0.01
8710021505	2.60	247.30	35.10	1.33	0.81	218.66	-0.03
8710021515	3.31	236.40	35.40	2.42	0.60	207.02	-0.06
8710021525	1.40	196.20	35.30	1.20	0.52	101.96	-0.05
8710021535	3.12	222.00	35.60	2.02	0.39	156.56	-0.19
8710021545	3.73	232.40	35.60	1.90	0.58	168.20	-0.06
8710021555	2.89	194.30	35.70	1.53	0.47	62.88	-0.04
8710021605	2.09	184.60	35.90	1.90	0.39	129.39	-0.15
8710021615	3.01	217.90	35.80	2.45	1.00	82.81	-0.01
8710021625	2.59	224.30	36.00	0.76	0.51	101.96	-0.05
8710021635	2.77	212.70	35.90	1.61	0.88	68.06	-0.01
8710021645	2.87	195.70	35.70	1.02	0.44	54.60	-0.04
8710021655	3.43	228.40	35.70	1.58	0.50	29.76	-0.02
8710021705	4.07	230.10	35.60	1.33	0.65	47.23	-0.01
8710021715	2.61	227.00	35.50	0.78	0.37	30.15	-0.04
8710021725	3.25	228.40	35.30	0.63	0.34	5.49	-0.01
8710021735	3.80	237.90	35.00	0.65	0.46	-3.52	0.00
8710021745	3.13	234.20	34.80	0.53	0.25	-14.36	0.06
8710021755	3.29	239.00	34.20	0.48	0.28	-19.15	0.06
8710021805	4.37	240.20	33.60	0.57	0.40	-13.20	0.01
8710021815	2.94	228.60	32.90	0.44	0.42	-13.59	0.01
8710021825	2.08	242.40	32.00	0.90	0.83	-36.75	0.00
8710021835	1.37	313.90	31.80	0.25	0.29	-16.43	0.04
8710021845	0.42	353.50	30.20	0.77	0.80	-412.74	0.06
8710021855	0.47	146.00	29.10	0.21	0.29	-168.20	0.49
8710021905	1.06	46.00	27.60	0.22	0.21	-4.53	0.03
8710021915	0.94	67.00	26.60	0.13	0.19	-26.52	0.29
8710021925	1.11	68.00	26.20	0.16	0.23	-8.49	0.05
8710021935	0.85	56.00	25.70	0.21	0.35	10.25	-0.02
8710021945	1.61	37.00	26.20	0.15	0.18	-75.56	0.91
8710021955	1.75	62.00	26.20	0.23	0.38	-33.38	0.04
8710022005	0.87	80.00	25.80	0.14	0.22	-36.10	0.24
8710022015	0.81	48.00	24.70	0.38	0.24	-78.54	0.40
8710022025	0.41	121.00	24.90	0.72	0.57	155.56	-0.06
8710022035	2.15	60.00	26.00	0.57	0.55	-42.31	0.02
8710022045	1.45	55.00	25.40	0.28	0.33	-69.22	0.14
8710022055	0.42	73.00	24.20	0.24	0.28	-32.61	0.11
8710022105	0.70	194.40	24.50	0.15	0.12	-22.38	0.98

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8710022135	0.46	91.00	22.70	0.39	0.31	-42.70	0.10
8710022145	1.55	68.00	23.40	0.08	0.20	-14.49	0.13
8710022155	0.85	55.00	22.00	0.20	0.25	3.01	-0.01
8710022205	0.75	107.00	22.10	0.21	0.35	-3.04	0.01
8710022215	1.40	59.00	21.00	0.09	0.16	-16.95	0.30
8710022225	2.05	61.00	21.20	0.19	0.15	-23.29	0.52
8710022235	0.98	58.00	20.80	0.18	0.32	-20.83	0.04
8710022245	1.40	42.00	20.00	0.12	0.19	-27.56	0.29
8710022255	0.98	47.00	20.00	0.21	0.29	8.69	-0.03
8710022305	1.14	48.00	20.30	0.18	0.35	-7.70	0.01
8710022315	1.06	64.00	20.50	0.17	0.25	-12.91	0.06
8710022325	1.41	49.00	20.50	0.06	0.12	-3.27	0.16
8710022335	1.03	70.00	20.20	0.27	0.40	-34.68	0.04
8710022345	0.87	80.00	19.80	0.35	0.32	-75.69	0.17
8710022355	1.00	49.00	20.10	0.14	0.15	-27.95	0.63
8710030005	1.00	56.00	20.30	0.21	0.16	-31.70	0.55
8710030015	0.98	62.00	20.20	0.15	0.30	-20.70	0.05
8710030025	0.97	50.00	20.10	0.10	0.21	-23.55	0.20
8710030035	0.31	77.00	19.80	0.08	0.16	-32.35	0.56
8710030045	1.32	60.00	20.10	0.05	0.08	-1.23	0.18
8710030055	0.98	56.00	20.10	0.06	0.10	-8.45	0.54
8710030105	1.32	58.00	20.10	0.07	0.12	-18.11	0.73
8710030115	0.62	49.00	19.80	0.14	0.19	-6.53	0.06
8710030125	0.26	340.50	19.60	0.11	0.29	-76.34	0.24
8710030135	0.40	359.10	19.80	0.06	0.12	-37.00	1.65
8710030145	0.74	71.00	19.60	0.14	0.33	-18.89	0.04
8710030155	0.84	63.00	19.70	0.09	0.14	-6.17	0.16
8710030205	0.91	59.00	19.50	0.12	0.17	-9.24	0.13
8710030215	0.35	53.00	19.10	0.07	0.15	-17.21	0.37
8710030225	0.47	11.00	19.70	0.03	0.09	-0.27	0.03
8710030235	0.68	29.00	19.20	0.05	0.09	-6.34	0.75
8710030245	0.91	62.00	19.40	0.11	0.10	-10.33	0.74
8710030255	1.04	39.00	19.30	0.07	0.17	-1.88	0.03
8710030305	0.66	41.00	19.10	0.06	0.10	-12.38	0.79
8710030315	0.86	48.00	19.40	0.07	0.11	-16.04	0.86
8710030325	0.65	53.00	18.90	0.06	0.15	1.22	-0.02
8710030335	1.01	54.00	19.10	0.07	0.18	-9.10	0.11
8710030345	1.18	60.00	19.00	0.11	0.20	-16.17	0.14
8710030355	0.96	45.00	18.80	0.16	0.26	-20.96	0.09
8710030405	0.82	72.00	18.40	0.24	0.37	-37.91	0.06
8710030415	1.25	49.00	18.40	0.07	0.12	-21.87	1.04
8710030425	1.25	59.00	18.30	0.16	0.24	-9.25	0.05
8710030435	1.19	44.00	18.10	0.05	0.07	-6.43	1.38
8710030445	1.07	56.00	17.90	0.17	0.27	-6.31	0.02
8710030455	0.87	60.00	17.90	0.16	0.20	-23.16	0.21
8710030505	0.30	58.00	18.00	0.19	0.35	-66.89	0.11
8710030515	0.25	18.00	17.90	0.13	0.26	-23.03	0.10
8710030525	1.01	34.00	18.00	0.10	0.08	-16.56	2.52
8710030535	1.03	63.00	18.00	0.26	0.36	-4.17	0.01
8710030545	0.53	225.10	17.20	0.08	0.13	-4.23	0.13
8710030555	0.65	32.00	17.80	0.14	0.17	-9.10	0.15
8710030605	0.71	28.00	18.00	0.03	0.10	-0.07	0.00
8710030615	0.18	108.00	17.40	0.06	0.13	10.56	-0.33
8710030625	0.86	69.00	16.70	0.11	0.23	10.79	-0.06
8710030635	1.23	56.00	17.00	0.08	0.14	-20.18	0.57
8710030645	0.60	53.00	17.00	0.17	0.18	17.60	-0.21
8710030655	0.27	199.30	16.60	0.15	0.30	-2.46	0.01
8710030705	0.67	59.00	16.60	0.26	0.37	18.11	-0.03
8710030715	0.55	58.00	17.10	0.14	0.25	-6.24	0.03
8710030725	0.49	264.40	17.40	0.12	0.16	18.89	-0.35
8710030735	0.35	144.00	17.60	0.31	0.45	17.86	-0.01
8710030745	0.45	42.00	18.00	0.09	0.25	-4.10	0.02

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8710030815	0.38	41.00	19.00	0.03	0.04	-2.92	2.66
8710030825	0.40	183.30	18.80	0.06	0.20	14.36	-0.13
8710030835	0.33	160.00	20.20	0.17	0.35	-10.78	0.02
8710030845	0.36	201.50	21.30	0.05	0.13	12.40	-0.43
8710030855	0.21	225.90	22.20	0.09	0.13	39.72	-1.31
8710030905	0.38	241.70	22.90	0.09	0.15	-6.42	0.13
8710030915	0.99	249.00	23.70	0.30	0.44	9.68	-0.01
8710030925	3.31	248.90	24.30	0.44	0.40	37.00	-0.04
8710030935	3.78	258.80	24.50	0.60	0.45	40.50	-0.03
8710030945	3.01	246.20	24.50	0.30	0.28	64.43	-0.21
8710030955	3.03	245.90	24.80	0.16	0.11	29.24	-1.78
8710031005	2.49	246.00	25.50	0.29	0.21	53.31	-0.41
8710031015	3.01	259.10	25.80	0.52	0.39	58.61	-0.07
8710031025	2.48	233.30	26.30	0.41	0.19	115.67	-1.29
8710031035	2.07	235.40	26.70	0.26	0.24	94.06	-0.48
8710031045	2.19	233.30	27.10	0.43	0.45	85.27	-0.06
8710031055	1.97	234.00	27.80	0.22	0.20	109.98	-0.99
8710031105	1.70	226.80	28.60	0.38	0.45	196.67	-0.16
8710031115	1.11	205.00	29.30	0.31	0.36	77.37	-0.11
8710031125	1.03	258.50	29.80	0.20	0.18	76.99	-0.94
8710031135	1.60	237.20	30.70	0.43	0.27	182.44	-0.63
8710031145	2.35	260.90	31.10	0.49	0.26	141.03	-0.54
8710031155	3.26	265.70	31.40	0.52	0.42	134.56	-0.13
8710031205	3.83	268.50	31.40	0.80	0.36	98.72	-0.14
8710031215	4.28	269.00	31.60	1.59	0.85	123.95	-0.01
8710031225	3.89	261.50	31.50	1.11	0.36	157.85	-0.23
8710031235	3.22	256.60	31.60	0.90	0.23	107.00	-0.62
8710031245	2.87	248.80	31.70	0.71	0.35	80.87	-0.13
8710031255	2.87	263.80	32.20	0.55	0.11	159.15	-7.92
8710031305	2.52	278.30	32.50	0.63	0.38	143.62	-0.19
8710031315	2.80	259.30	32.70	1.19	0.47	153.97	-0.10
8710031325	2.31	296.50	33.00	1.20	0.49	160.44	-0.09
8710031335	2.58	247.40	33.30	0.99	0.57	126.54	-0.05
8710031345	2.76	268.60	33.20	1.06	0.28	127.96	-0.39
8710031355	1.80	299.70	33.80	0.56	0.34	141.03	-0.24
8710031405	2.12	254.00	33.90	1.65	0.59	225.13	-0.08
8710031415	3.01	281.60	34.00	0.88	0.69	168.20	-0.03
8710031425	2.21	277.60	34.20	0.69	0.40	122.92	-0.13
8710031435	2.57	277.20	34.80	0.84	0.59	137.15	-0.05
8710031445	2.91	283.30	34.50	1.37	0.64	128.09	-0.03
8710031455	3.30	274.70	34.70	0.74	0.37	135.86	-0.19
8710031505	3.63	266.30	34.70	1.20	0.46	102.73	-0.07
8710031515	4.00	276.00	34.80	1.07	0.44	155.26	-0.13
8710031525	3.10	269.10	35.00	0.87	0.45	121.62	-0.09
8710031535	2.21	271.50	35.00	0.98	0.57	73.23	-0.03
8710031545	3.39	273.70	34.90	0.78	0.38	56.28	-0.07
8710031555	2.89	272.20	35.00	0.39	0.27	75.30	-0.27
8710031605	1.67	323.10	34.90	0.89	0.45	20.44	-0.02
8710031615	2.91	286.60	35.20	1.31	0.53	60.16	-0.03
8710031625	3.53	318.20	35.00	1.22	0.65	75.30	-0.02
8710031635	3.63	303.00	34.90	0.77	0.46	9.78	-0.01
8710031645	2.75	272.90	34.90	3.32	1.34	37.00	0.00
8710031655	4.03	248.90	34.70	0.47	0.17	26.14	-0.38
8710031705	2.98	237.70	34.70	0.39	0.21	36.36	-0.26
8710031715	2.38	242.80	34.60	0.15	0.13	6.91	-0.20
8710031725	3.18	236.90	34.40	0.24	0.26	6.87	-0.03
8710031735	2.04	225.90	34.40	0.23	0.20	-5.50	0.05
8710031745	1.83	233.20	33.90	0.36	0.38	-27.95	0.04
8710031755	1.54	216.90	33.60	0.24	0.36	-36.88	0.05
8710031805	1.17	227.80	32.80	0.29	0.21	-39.72	0.28
8710031815	0.60	19.00	31.70	0.18	0.12	5.74	-0.22
8710031825	0.18	197.40	30.70	0.05	0.11	-1.42	0.07

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8710031855	1.28	74.00	27.60	0.22	0.27	7.44	-0.03
8710031905	1.84	61.00	27.20	0.17	0.33	-33.38	0.07
8710031915	1.76	38.00	27.00	0.16	0.21	-2.87	0.02
8710031925	0.18	242.00	25.90	0.43	0.51	175.97	-0.09
8710031935	1.18	25.00	26.20	0.10	0.12	-19.15	0.83
8710031945	0.82	43.00	25.30	0.13	0.25	-73.36	0.32
8710031955	0.65	75.00	25.10	0.16	0.23	-40.63	0.24
8710032005	1.32	30.00	24.80	0.18	0.20	-41.40	0.37
8710032015	0.63	85.00	24.50	0.27	0.38	-55.25	0.07
8710032025	2.16	54.00	24.80	0.18	0.16	-32.48	0.57
8710032035	2.45	84.00	24.70	0.27	0.12	-24.20	1.03
8710032045	3.65	65.00	25.20	0.28	0.29	-30.02	0.09
8710032055	3.34	63.00	25.00	0.23	0.29	-23.42	0.07
8710032105	2.56	65.00	24.60	0.35	0.33	-100.40	0.20
8710032115	3.40	68.00	24.70	0.25	0.27	-28.59	0.10
8710032125	3.53	66.00	24.30	0.19	0.20	-14.75	0.14
8710032135	3.27	69.00	24.20	0.16	0.15	-21.61	0.44
8710032145	2.25	65.00	23.70	0.42	0.43	-21.09	0.02
8710032155	1.56	65.00	23.10	0.27	0.24	5.16	-0.03
8710032205	1.69	71.00	23.10	0.26	0.25	-14.49	0.07
8710032215	1.86	93.00	22.40	0.28	0.38	-21.22	0.03
8710032225	1.21	55.00	22.90	0.18	0.23	-16.04	0.10
8710032235	1.77	61.00	22.60	0.23	0.25	-22.13	0.11
8710032245	0.75	78.00	22.20	0.29	0.44	-17.98	0.02
8710032255	0.81	64.00	22.30	0.23	0.25	-12.50	0.06
8710032305	1.32	51.00	21.90	0.11	0.12	-11.10	0.42
8710032315	1.44	51.00	21.70	0.13	0.18	-35.58	0.46
8710032325	1.06	70.00	21.00	0.08	0.14	-35.19	0.87
8710032335	0.78	32.00	20.50	0.12	0.18	-50.20	0.64
8710032345	0.75	57.00	20.60	0.30	0.35	-50.98	0.08
8710032355	0.89	62.00	20.50	0.18	0.25	-25.49	0.11
8710040005	1.02	55.00	20.50	0.12	0.13	-47.10	1.41
8710040015	0.65	70.00	20.80	0.12	0.14	-35.84	0.92
8710040025	0.95	86.00	20.50	0.09	0.15	-35.19	0.77
8710040035	0.74	73.00	20.60	0.14	0.20	-28.72	0.25
8710040045	0.99	92.00	20.10	0.15	0.15	-18.63	0.43
8710040055	1.10	55.00	20.00	0.11	0.16	-43.86	0.83
8710040105	1.15	58.00	20.20	0.09	0.14	-11.66	0.30
8710040115	0.69	65.00	19.90	0.21	0.28	-29.11	0.10
8710040125	0.73	355.70	19.60	0.10	0.12	-1.08	0.05
8710040135	0.67	22.00	19.60	0.12	0.15	-19.93	0.46
8710040145	0.74	43.00	19.90	0.10	0.14	-17.08	0.44
8710040155	1.31	68.00	20.00	0.09	0.11	-4.35	0.21
8710040205	0.70	85.00	20.00	0.12	0.18	-10.26	0.13
8710040215	0.87	58.00	19.70	0.10	0.16	-23.16	0.39
8710040225	0.80	69.00	19.70	0.15	0.22	-35.71	0.23
8710040235	0.72	22.00	19.80	0.17	0.23	-29.24	0.17
8710040245	1.06	46.00	19.90	0.04	0.06	-9.77	2.86
8710040255	0.24	37.00	19.40	0.12	0.25	-40.50	0.20
8710040305	1.16	53.00	18.90	0.08	0.18	1.37	-0.02
8710040315	0.65	72.00	19.20	0.06	0.12	-22.77	0.85
8710040325	1.00	57.00	18.50	0.05	0.12	-17.34	0.66
8710040335	1.05	48.00	18.50	0.08	0.24	-3.43	0.02
8710040345	0.52	57.00	18.10	0.32	0.49	-60.29	0.04
8710040355	1.04	57.00	18.90	0.09	0.18	-26.78	0.34
8710040405	0.80	53.00	18.60	0.07	0.16	-10.65	0.18
8710040415	0.61	86.00	18.80	0.10	0.24	-16.17	0.08
8710040425	1.00	54.00	18.90	0.13	0.11	-3.07	0.16
8710040435	0.47	124.00	18.90	0.09	0.14	-1.53	0.04
8710040445	0.98	96.00	19.20	0.08	0.14	-12.20	0.31
8710040455	1.12	59.00	17.80	0.18	0.22	33.77	-0.23
8710040505	1.00	46.00	18.80	0.13	0.19	0.09	0.00

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8710040535	0.54	77.00	17.80	0.40	0.53	65.08	-0.03
8710040545	0.60	61.00	17.30	0.35	0.36	-42.31	0.07
8710040555	0.41	72.00	16.90	0.13	0.13	16.43	-0.57
8710040605	1.16	47.00	15.60	0.14	0.06	-9.92	3.94
8710040615	0.58	64.00	15.50	0.14	0.21	27.69	-0.21
8710040625	0.94	30.00	16.40	0.18	0.19	5.93	-0.07
8710040635	0.88	74.00	16.00	0.57	0.69	-23.42	0.01
8710040645	1.00	15.00	16.40	0.29	0.29	-29.50	0.09
8710040655	0.93	64.00	15.60	0.11	0.12	-12.94	0.59
8710040705	1.06	66.00	16.20	0.12	0.10	-17.98	1.53
8710040715	0.46	49.00	16.10	0.12	0.24	-74.40	0.38
8710040725	0.58	53.00	16.60	0.10	0.22	-26.01	0.17
8710040735	0.41	69.00	16.60	0.08	0.19	-105.32	1.11
8710040745	0.61	118.00	17.60	0.16	0.11	-17.86	0.86
8710040755	0.55	167.00	17.00	0.18	0.16	-65.73	1.23
8710040805	0.44	163.00	17.20	0.04	0.09	-12.67	1.29
8710040815	0.59	336.20	17.70	0.14	0.19	-6.72	0.08
8710040825	0.75	86.00	17.80	0.05	0.16	7.35	-0.12
8710040835	0.56	41.00	18.70	0.04	0.11	0.91	-0.04
8710040845	0.18	3.50	19.50	0.05	0.08	96.26	-13.59
8710040855	0.26	244.70	20.40	0.08	0.04	10.00	-12.68
8710040905	0.20	14.00	21.60	0.11	0.26	75.04	-0.31
8710040915	0.47	172.30	22.40	0.10	0.23	58.35	-0.36
8710040925	0.56	236.80	23.40	0.14	0.11	59.52	-2.99
8710040935	1.19	224.00	23.90	0.20	0.22	42.44	-0.28
8710040945	2.31	238.90	24.70	0.18	0.17	49.56	-0.73
8710040955	2.71	252.50	25.30	0.21	0.27	64.69	-0.24
8710041005	2.47	244.60	25.70	0.16	0.13	62.62	-1.89
8710041015	2.33	245.70	26.10	0.16	0.19	135.86	-1.32
8710041025	2.42	243.40	26.50	0.16	0.18	51.11	-0.58
8710041035	2.49	239.00	27.10	0.15	0.11	59.00	-2.99
8710041045	2.11	238.80	27.70	0.23	0.21	134.56	-1.08
8710041055	2.41	245.20	28.20	0.18	0.20	125.25	-1.09
8710041105	2.90	256.40	28.80	0.36	0.26	113.73	-0.45
8710041115	2.98	252.00	29.00	0.39	0.29	120.07	-0.36
8710041125	3.94	255.80	29.20	0.50	0.39	84.36	-0.10
8710041135	3.69	276.00	29.80	1.89	0.56	169.50	-0.07
8710041145	3.42	253.50	29.80	0.94	0.56	173.38	-0.07
8710041155	2.74	239.80	29.80	0.55	0.34	117.10	-0.21
8710041205	2.50	292.70	30.80	1.68	0.96	139.74	-0.01
8710041215	3.13	243.70	31.00	0.73	0.43	104.16	-0.09
8710041225	2.92	257.90	31.70	0.97	0.33	201.84	-0.40
8710041235	2.82	257.50	32.20	0.87	0.21	148.80	-1.06
8710041245	3.83	249.80	32.40	0.79	0.35	128.22	-0.20
8710041255	3.64	267.90	32.90	0.91	0.68	166.91	-0.04
8710041305	4.20	260.30	33.10	1.36	0.27	183.73	-0.62
8710041315	3.46	254.20	33.50	1.32	0.39	172.08	-0.20
8710041325	2.78	253.50	33.80	2.00	1.11	183.73	-0.01
8710041335	3.45	268.10	33.90	1.83	0.67	143.62	-0.03
8710041345	3.05	275.50	34.10	2.65	0.67	120.33	-0.03
8710041355	2.48	300.90	34.20	1.68	0.44	124.60	-0.10
8710041405	2.88	282.90	34.50	1.69	0.32	160.44	-0.33
8710041415	4.87	248.80	34.40	2.24	0.53	68.58	-0.03
8710041425	3.12	254.00	34.80	1.75	0.39	153.97	-0.18
8710041435	3.87	295.00	34.60	1.08	0.43	142.33	-0.12
8710041445	1.71	259.70	34.80	0.87	0.67	81.90	-0.02
8710041455	3.70	264.30	34.90	2.15	0.80	85.01	-0.01
8710041505	2.96	275.40	35.20	1.50	0.77	150.09	-0.02
8710041515	2.96	290.80	35.00	1.58	0.52	70.52	-0.03
8710041525	3.40	274.40	35.20	2.10	0.88	155.26	-0.02
8710041535	3.79	263.30	35.20	1.08	0.35	125.63	-0.21
8710041545	4.07	262.40	35.20	1.19	0.34	57.06	-0.10

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8710041615	4.14	263.40	35.20	0.75	0.43	38.17	-0.03
8710041625	2.67	289.50	35.20	0.76	0.37	48.78	-0.06
8710041635	2.46	273.60	35.30	2.03	0.75	37.65	-0.01
8710041645	2.99	254.80	35.30	0.45	0.46	22.64	-0.02
8710041655	2.42	241.90	35.30	0.40	0.51	29.63	-0.02
8710041705	3.00	254.00	35.20	0.47	0.48	11.22	-0.01
8710041715	3.15	250.80	35.10	0.20	0.24	4.40	-0.02
8710041725	2.36	251.00	34.90	0.37	0.32	-8.29	0.02
8710041735	2.40	250.60	34.60	0.15	0.18	-8.22	0.10
8710041745	1.88	237.40	34.60	0.06	0.16	-5.40	0.08
8710041755	1.57	259.70	33.60	0.05	0.10	-14.75	0.89
8710041805	1.42	240.90	32.90	0.12	0.20	-10.97	0.10
8710041815	0.27	326.10	31.50	0.31	0.19	80.87	-0.76
8710041825	0.82	73.00	30.50	0.04	0.12	2.79	-0.11
8710041835	1.17	91.00	29.80	0.05	0.08	11.42	-1.58
8710041845	1.47	81.00	28.20	0.13	0.15	-35.71	0.74
8710041855	1.23	64.00	27.70	0.07	0.12	-6.48	0.27
8710041905	1.23	57.00	27.20	0.08	0.13	-17.08	0.61
8710041915	1.06	31.00	26.80	0.16	0.19	32.61	-0.33
8710041925	1.21	59.00	25.90	0.07	0.17	-11.02	0.16
8710041935	0.92	48.00	25.40	0.12	0.21	-28.47	0.21
8710041945	1.64	62.00	25.30	0.14	0.20	-21.22	0.18
8710041955	0.31	31.00	24.90	0.58	0.29	-66.63	0.19
8710042005	0.55	179.00	25.00	0.15	0.21	-14.10	0.11
8710042015	0.50	131.00	25.40	0.74	0.35	-72.72	0.13
8710042025	1.41	50.00	24.40	0.38	0.28	-15.91	0.05
8710042035	0.44	81.00	23.70	0.49	0.56	-254.89	0.10
8710042045	0.48	203.20	22.90	0.22	0.25	-67.80	0.31
8710042055	0.72	51.00	23.00	1.27	0.66	-32.48	0.01
8710042105	4.32	84.00	27.10	0.91	0.51	-166.91	0.09
8710042115	4.68	88.00	27.00	0.81	0.42	15.66	-0.01
8710042125	4.40	88.00	26.30	0.79	0.27	-28.21	0.10
8710042135	4.54	66.00	25.70	0.47	0.02	-65.73	488.94
8710042145	4.65	62.00	24.90	0.50	0.35	-9.91	0.02
8710042155	3.76	56.00	24.80	0.33	0.29	-22.64	0.07
8710042205	0.15	84.00	23.60	0.88	0.63	36.49	-0.01
8710042215	0.67	313.20	24.00	0.36	0.30	-71.16	0.18
8710042225	0.39	58.00	23.80	0.29	0.34	-119.55	0.22
8710042235	0.61	100.00	23.20	0.57	0.23	-33.38	0.20
8710042245	1.08	35.00	22.50	0.21	0.23	-26.27	0.16
8710042255	0.75	81.00	22.60	0.18	0.36	-118.91	0.19
8710042305	0.15	296.50	22.00	0.10	0.16	-19.54	0.33
8710042315	0.60	38.00	20.90	0.44	0.40	-94.84	0.11
8710042325	0.40	282.90	20.40	0.16	0.25	0.35	0.00
8710042335	1.28	60.00	20.00	0.29	0.21	12.82	-0.11
8710042345	1.75	[illegible]	21.10	0.17	0.26	-21.09	0.08
8710042355	1.19	47.00	20.70	0.07	0.11	-14.10	0.80
8710050005	0.47	62.00	20.30	0.32	0.46	-4.52	0.00
8710050015	1.21	51.00	18.60	0.35	0.47	-42.31	0.03
8710050025	0.84	68.00	19.30	0.26	0.43	-17.21	0.02
8710050035	0.71	61.00	19.00	0.22	0.22	-66.25	0.46
8710050045	0.73	35.00	18.90	0.15	0.24	-39.85	0.22
8710050055	0.70	55.00	19.10	0.19	0.35	-31.31	0.05
8710050105	0.42	17.00	18.50	0.19	0.25	-88.50	0.42
8710050115	0.94	47.00	18.40	0.09	0.12	-10.49	0.44
8710050125	0.80	113.00	18.70	0.18	0.14	-28.85	0.79
8710050135	1.00	81.00	17.70	0.18	0.09	-28.85	2.72
8710050145	0.87	47.00	18.10	0.13	0.17	-3.11	0.04
8710050155	0.27	70.00	17.70	0.19	0.38	2.12	0.00
8710050205	0.83	49.00	17.10	0.08	0.15	-12.85	0.30
8710050215	0.50	67.00	17.00	0.16	0.18	-6.86	0.08
8710050225	0.74	50.00	17.60	0.12	0.18	5.36	-0.07

SCANSTART	<U>	DIR	TEMP	ENERGY	U*	HEAT	Z/L
8710050255	1.28	52.00	16.80	0.14	0.19	-42.44	0.44
8710050305	0.77	28.00	17.00	0.32	0.42	38.43	-0.04
8710050315	1.18	50.00	16.70	0.04	0.10	-14.49	0.94
8710050325	0.38	75.00	16.30	0.19	0.37	-27.17	0.04
8710050335	0.45	54.00	16.20	0.11	0.28	10.23	-0.04
8710050345	0.62	42.00	16.30	0.12	0.21	-13.72	0.11
8710050355	0.14	20.00	16.40	0.02	0.10	12.60	-1.07
8710050405	0.74	31.00	15.90	0.09	0.18	-1.93	0.02
8710050415	0.98	50.00	16.10	0.12	0.27	-17.98	0.07
8710050425	0.95	52.00	15.60	0.12	0.20	-23.03	0.22
8710050435	0.53	80.00	16.00	0.06	0.18	1.94	-0.02
8710050445	0.82	40.00	15.30	0.15	0.19	-14.49	0.16
8710050455	0.91	66.00	15.20	0.04	0.15	-4.86	0.12
8710050505	0.24	105.00	14.90	0.13	0.18	-29.24	0.36
8710050515	0.55	14.00	15.10	0.09	0.22	-1.97	0.01
8710050525	0.61	53.00	14.70	0.11	0.13	10.35	-0.33
8710050535	0.34	55.00	14.20	0.07	0.18	13.84	-0.18
8710050545	1.19	56.00	14.40	0.28	0.36	-11.52	0.02
8710050555	0.20	250.90	14.10	0.05	0.21	15.79	-0.12
8710050605	0.47	358.30	14.80	0.18	0.37	7.53	-0.01
8710050615	1.15	44.00	14.20	0.03	0.08	0.10	-0.01
8710050625	0.91	61.00	13.80	0.07	0.13	14.88	-0.47
8710050635	1.27	37.00	14.00	0.15	0.10	0.69	-0.05
8710050645	0.58	48.00	13.50	0.10	0.11	1.91	-0.11
8710050655	0.71	58.00	13.30	0.18	0.31	-34.93	0.08
8710050705	1.03	32.00	13.70	0.20	0.25	-20.96	0.10
8710050715	0.76	32.00	13.40	0.14	0.15	11.54	-0.25
8710050725	1.04	28.00	13.90	0.07	0.13	-2.23	0.08
8710050735	1.01	46.00	13.60	0.06	0.14	-4.55	0.11
8710050745	0.80	56.00	14.30	0.16	0.26	4.90	-0.02
8710050755	0.96	68.00	14.40	0.04	0.09	-0.21	0.02
8710050805	0.79	28.00	14.80	0.10	0.18	12.50	-0.15
8710050815	0.61	70.00	15.20	0.10	0.15	-4.77	0.11
8710050825	0.45	38.00	16.20	0.14	0.34	1.31	0.00
8710050835	0.66	44.00	17.10	0.12	0.18	0.83	-0.01
8710050845	0.10	21.00	18.20	0.17	0.26	-97.43	0.40
8710050855	0.35	64.00	19.50	0.15	0.31	63.01	-0.16
8710050905	0.40	226.80	20.40	0.09	0.20	85.78	-0.72
8710050915	0.46	281.60	21.50	0.05	0.08	37.91	-5.09
8710050925	0.32	201.90	22.90	0.08	0.14	3.36	-0.08
8710050935	0.96	234.00	23.70	0.16	0.13	39.85	-1.33
8710050945	1.71	224.20	24.40	0.34	0.33	93.93	-0.19
8710050955	2.03	262.40	25.10	0.17	0.21	56.54	-0.43
8710051005	2.14	261.20	25.60	0.17	0.15	72.84	-1.43
8710051015	2.42	265.80	25.80	0.24	0.22	63.27	-0.40
8710051025	2.69	246.80	26.10	0.39	0.29	75.17	-0.22

Appendix E

Aerial photographs of smoke plumes and log book.

Table 1.

Project Wind. Phase 4 Meadow Brook CA.

Overview - Risø air, Risø ground activity.

Unstable trials (daytime).				**STATUS.**	
				TURBULENCE (SONIC).	AERIAL PHOTOGRAPHY.
21. Sep.	Dry run.		No smoke.	OK.	-
23. Sep.	Run no 1.		Smoke.	OK.	OK.
25. Sep.	Run no 3.		No smoke.	OK.	-
26. Sep.	Run no 4.		Smoke.	OK.	OK.
28. Sep.	Run no 6.		Smoke.	OK.	OK.
1. Oct.	Run no 10.		Smoke.	OK.	OK.
2. Oct.	Run no 12		Smoke.	OK.	OK.
Stable trials (night & early morning).					
24. Sep.	Run no 2.		No light.	OK.	-
27. Sep.	Run no 5.		Smoke.	OK	OK.
30. Sep.	Run no 7.		Smoke.	OK.	OK.
30. Sep.	Run no 8.		No light.	OK.	-
1. Oct.	Run no 9.		Smoke.	OK.	OK.
2. Oct.	Run no 11.		Smoke.	OK.	OK.
3. Oct.	Run no 13.		Smoke.	OK.	OK.
3. Oct.	Run no 14.		SF_6-tracer only.	OK.	-

PROJECT WIND, PHASE 4

Log-report

Day: *Mon. Sep. 21.*

Meteorology:

Sonic station no 1. Start time: *10:45*

Stop time: *cont*

Sonic station no 2. Start time: *11:00*

Stop time: *16:00*

Tracer-realese run: *(dry run) No smoke*

FM-tape at st. no 1. Start time: *10:35*

Stop time: *18:35*

Photography (Aerial) Start time: *%*

Stop time: *%*

Pictures taken: *%*

PROJECT WIND, PHASE 4

Log-report

Day : *Tues. Sep. 22*

Meteorology:

Sonic station no 1. Start time: *cont.*

Stop time: *cont.*

Sonic station no 2. Start time: %

Stop time: %

Tracer-realese run: %

FM-tape at st. no 1. Start time: %

Stop time: %

Photography (Aerial) Start time: %

Stop time: %

Pictures taken: %

PROJECT WIND, PHASE 4

Log-report

Day: Wed. Sep. 23

Meteorology:

Sonic station no 1. Start time: cont.

Stop time: cont.

Sonic station no 2. Start time: 11:30

Stop time: 15:45

Tracer-realese run: 1 smoke

FM-tape at st. no 1. Start time: 11:00

Stop time: 15:57

Photography (Aerial) Start time: 14:07

Stop time: 14:53

Plate no 1. Pictures taken: 35

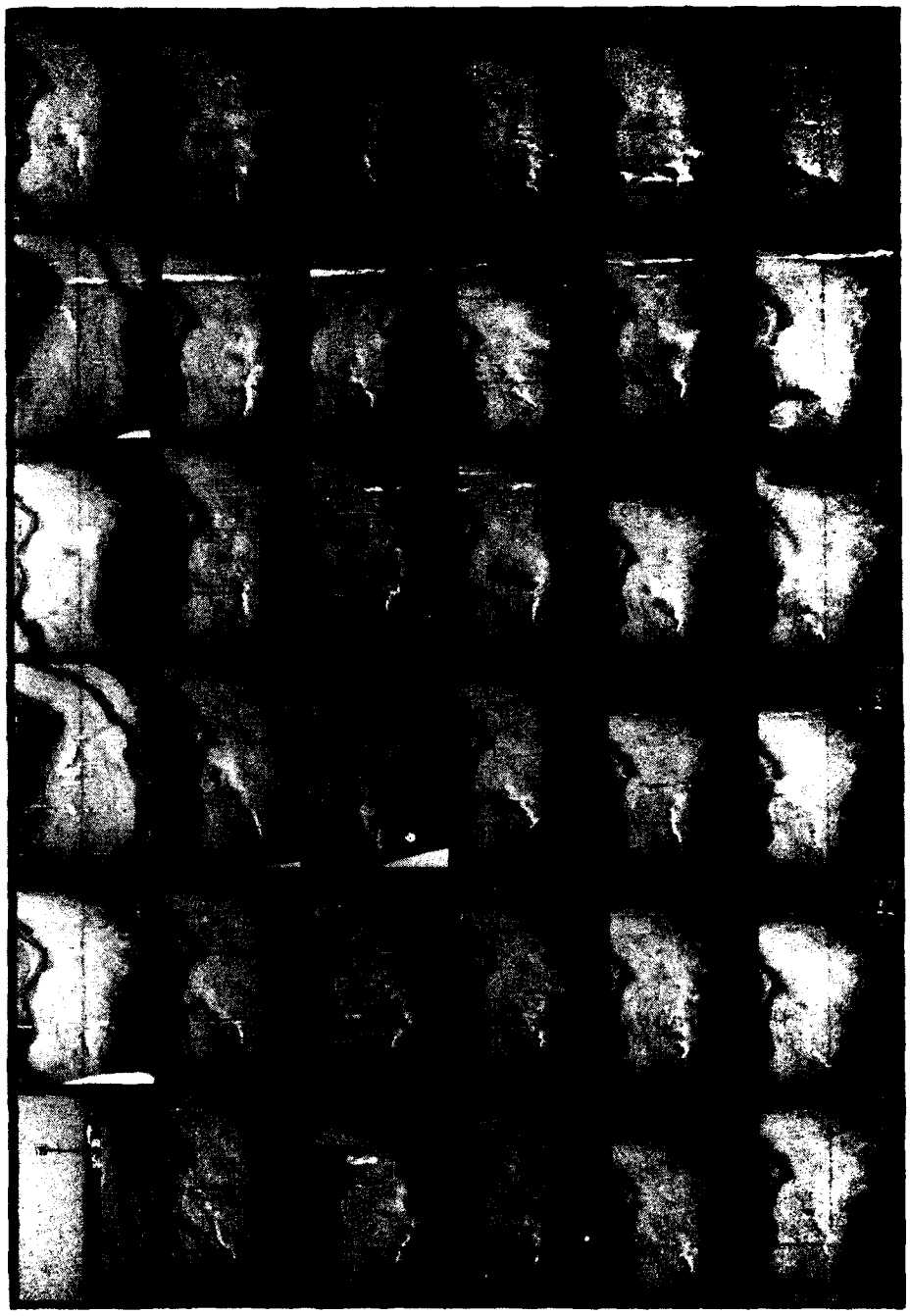


Plate no 1.

PROJECT WIND, PHASE 4

Log-report

Day : *Thu. Sep.24.*

Meteorology:

Sonic station no 1. Start time: *cont.*

Stop time: *cont.*

Sonic station no 2. Start time: *%*

Stop time: *%*

Tracer-realese run: *2 (night run) no smoke*

FM-tape at st. no 1. Start time: *21:05*

Stop time: *+ 8 hours.*

Photography (Aerial) Start time: *%*

Stop time: *%*

Pictures taken: *%*

PROJECT WIND, PHASE 4

Log-report

Day: Fri. Sep. 25.

Meteorology:

Sonic station no 1. Start time: cont.

Stop time: cont.

Sonic station no 2. Start time: 13:00

Stop time: 14:00

Tracer-realese run: 3 (canceled) no smoke

FM-tape at st. no 1. Start time: 13:35

Stop time: 21:35

Photography (Aerial) Start time: %

Stop time: %

Pictures taken: %

PROJECT WIND, PHASE 4

Log-report

Day: Sat. Sep. 26.

Meteorology:

Sonic station no 1. Start time: cont.

Stop time: cont.

Sonic station no 2. Start time: 09:45

Stop time: 13:30

Tracer-realese run: 4 smoke.

FM-tape at st. no 1. Start time: 10:30

Stop time: 13:30

Photography (Aerial) Start time: 12:03

Stop time: 13:08

Plate no 2.

Plate no 3. Pictures taken: 56

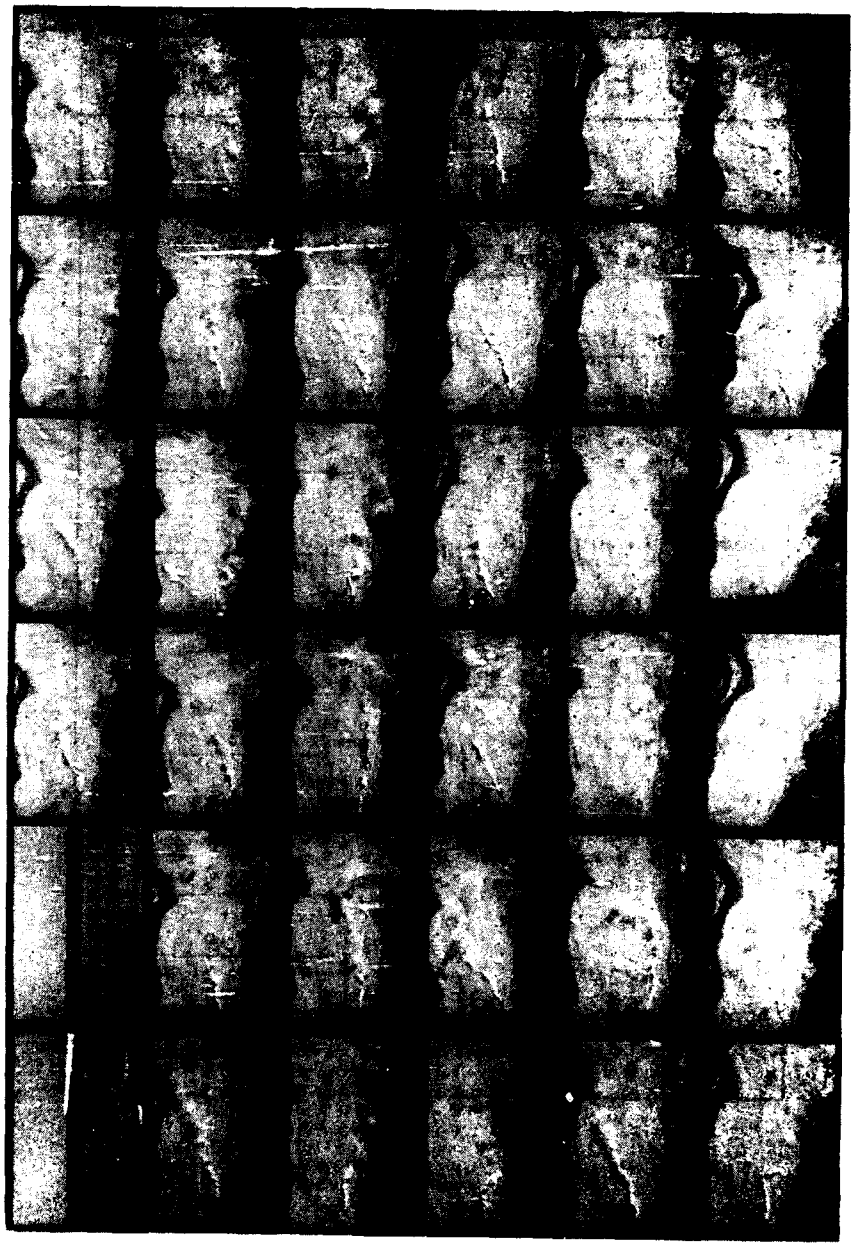


Plate no 2.

Plate no 3.

PROJECT WIND, PHASE 4

Log-report

Day: Sun. Sep. 27.

Meteorology:

Sonic station no 1. Start time: cont.

Stop time: cont.

Sonic station no 2. Start time: %

Stop time: %

Tracer-realese run: 5 early morning

FM-tape at st. no 1. Start time: 06:15

Stop time: 12:15

Photography (Aerial) Start time: 06:45

Stop time: 07:13

Plate no 4. Pictures taken: 34

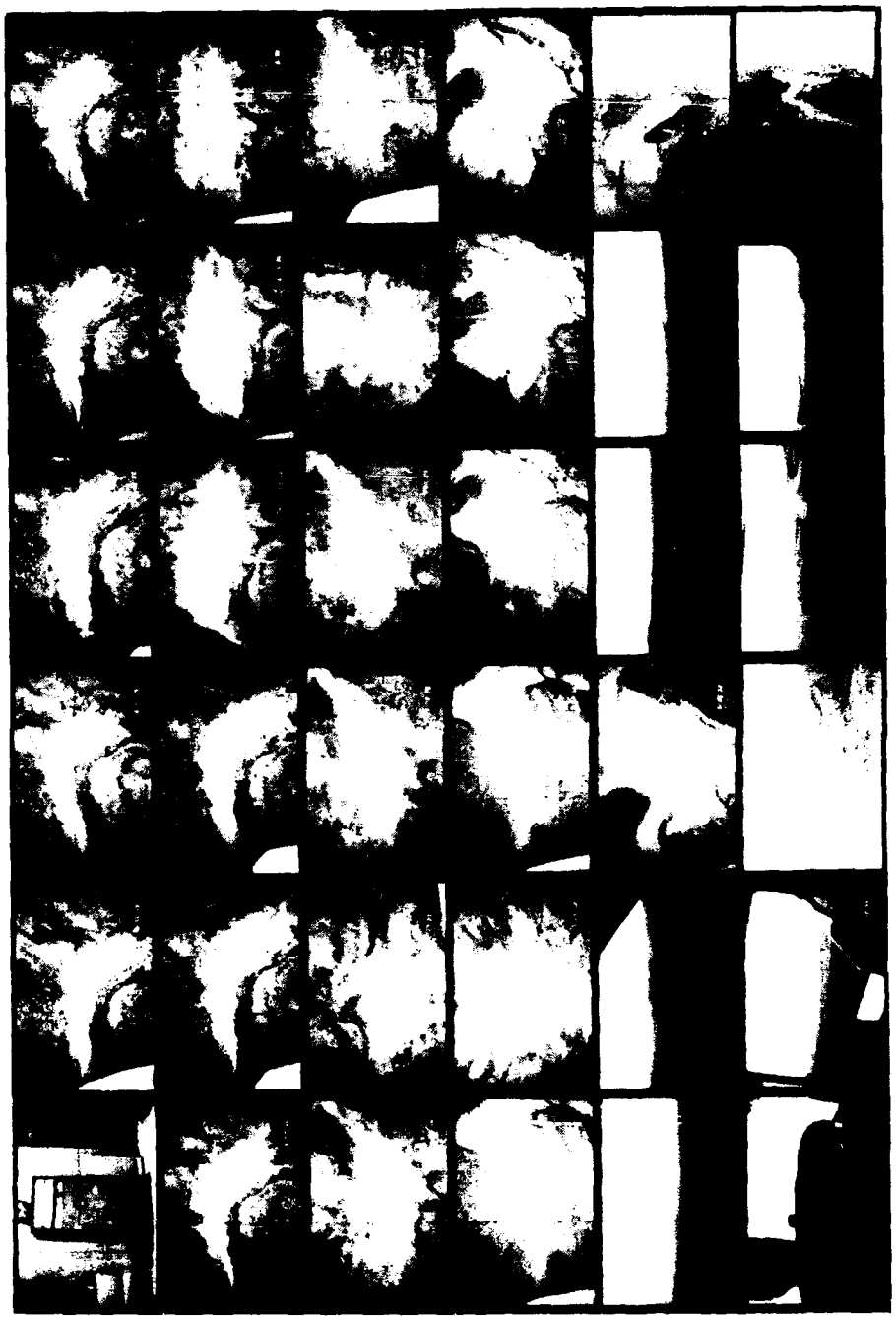


Plate no 4.

PROJECT WIND, PHASE 4

Log-report

Day: Mon. Sep. 28.

Meteorology:

Sonic station no 1. Start time: Cont.

Stop time: Cont.

Sonic station no 2. Start time: 10:00

Stop time: 14:30

Tracer-realese run: 6 smoke

FM-tape at st. no 1. Start time: 10:20

Stop time: 14:52

Photography (Aerial) Start time: 10:39

Stop time: 10:58

Plate no 5. Pictures taken: 20

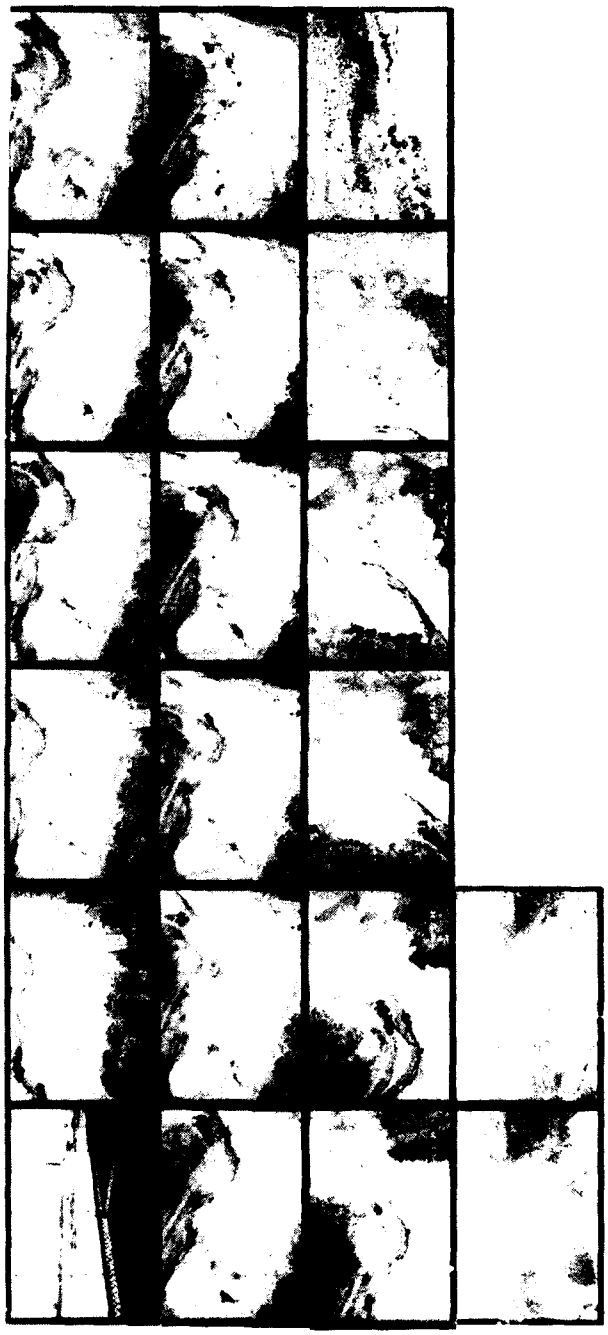


Plate no 5.

PROJECT WIND, PHASE 4

Log-report

Day: Tue. Sep. 29.

Meteorology:

Sonic station no 1. Start time: cont.

Stop time: cont.

Sonic station no 2. Start time: %

Stop time: %

Tracer-realese run: %

FM-tape at st. no 1. Start time: %

Stop time: %

Photography (Aerial) Start time: %

Stop time: %

Pictures taken: %

PROJECT WIND, PHASE 4

Log-report

Day: *Wed. Sep. 30.*

Meteorology:

Sonic station no 1. Start time: *cont.*

Stop time: *cont.*

Sonic station no 2. Start time: *x*

Stop time: *x*

Tracer-realese run: 7 *smoke*

FM-tape at st. no 1. Start time: *06:22*

Stop time: *08:00*

Photography (Aerial) Start time: *06:48*

Stop time: *07:36*

Plate no 6. Pictures taken: *37*

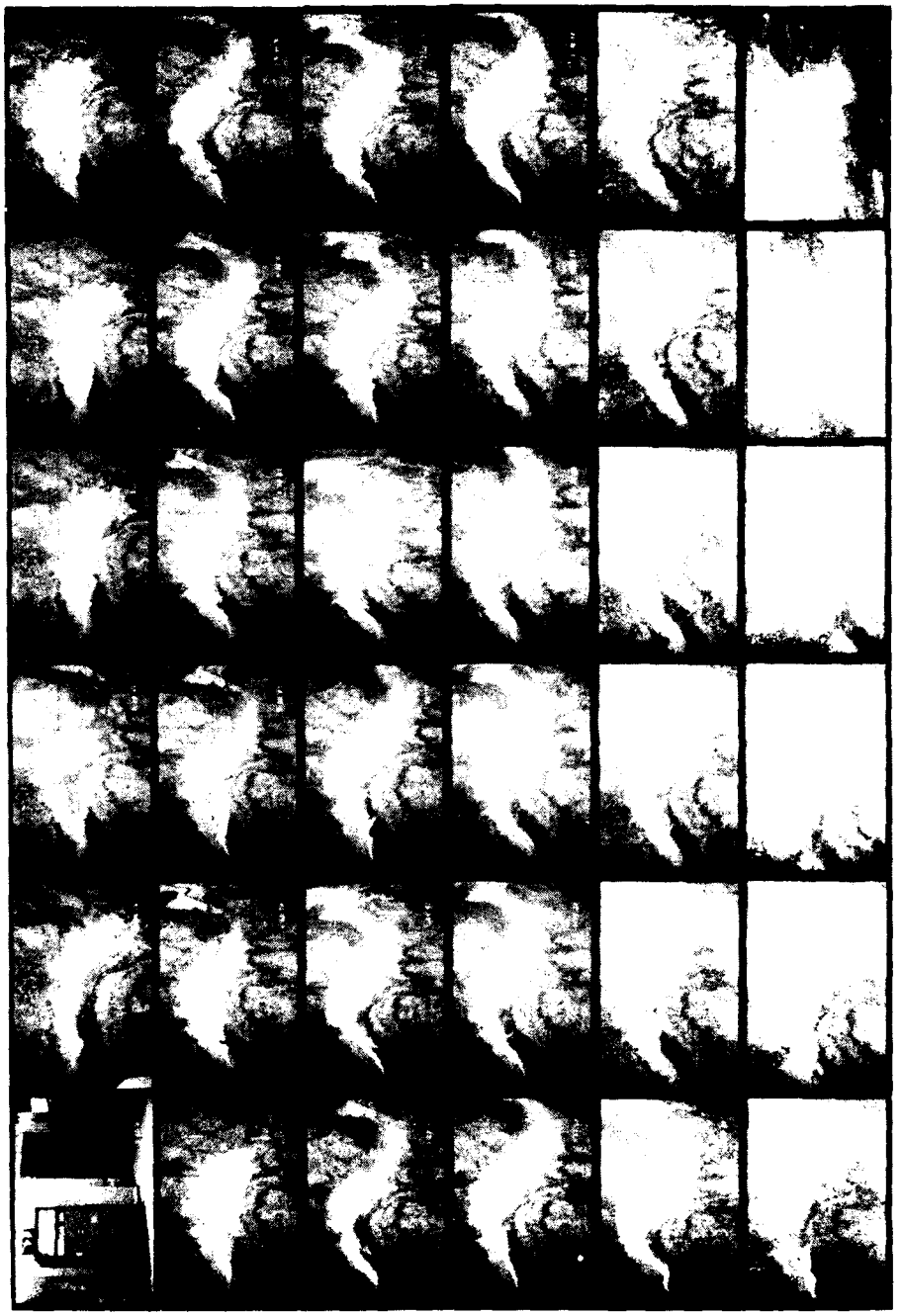


Plate no 6.

PROJECT WIND, PHASE 4

Log-report

Day : Wed. Sep. 30 cont.

Meteorology:

Sonic station no 1. Start time: cont.

Stop time: cont.

Sonic station no 2. Start time: %

Stop time: %

Tracer-realese run: 8 night run.

FM-tape at st. no 1. Start time: 17:35

Stop time: + 8 hours

Photography (Aerial) Start time: %

Stop time: %

Pictures taken: %

PROJECT WIND, PHASE 4

Log-report

Day : Thu. Oct. 1.

Meteorology:

Sonic station no 1. Start time: cont.

Stop time: cont.

Sonic station no 2. Start time: %

Stop time: %

Tracer-realese run: 9 smoke.

FM-tape at st. no 1. Start time: 06:32

Stop time: 14:40

Photography (Aerial) Start time: 06:53

Stop time: 07:53

Plate no 7.

Plate no 8. Pictures taken: 56

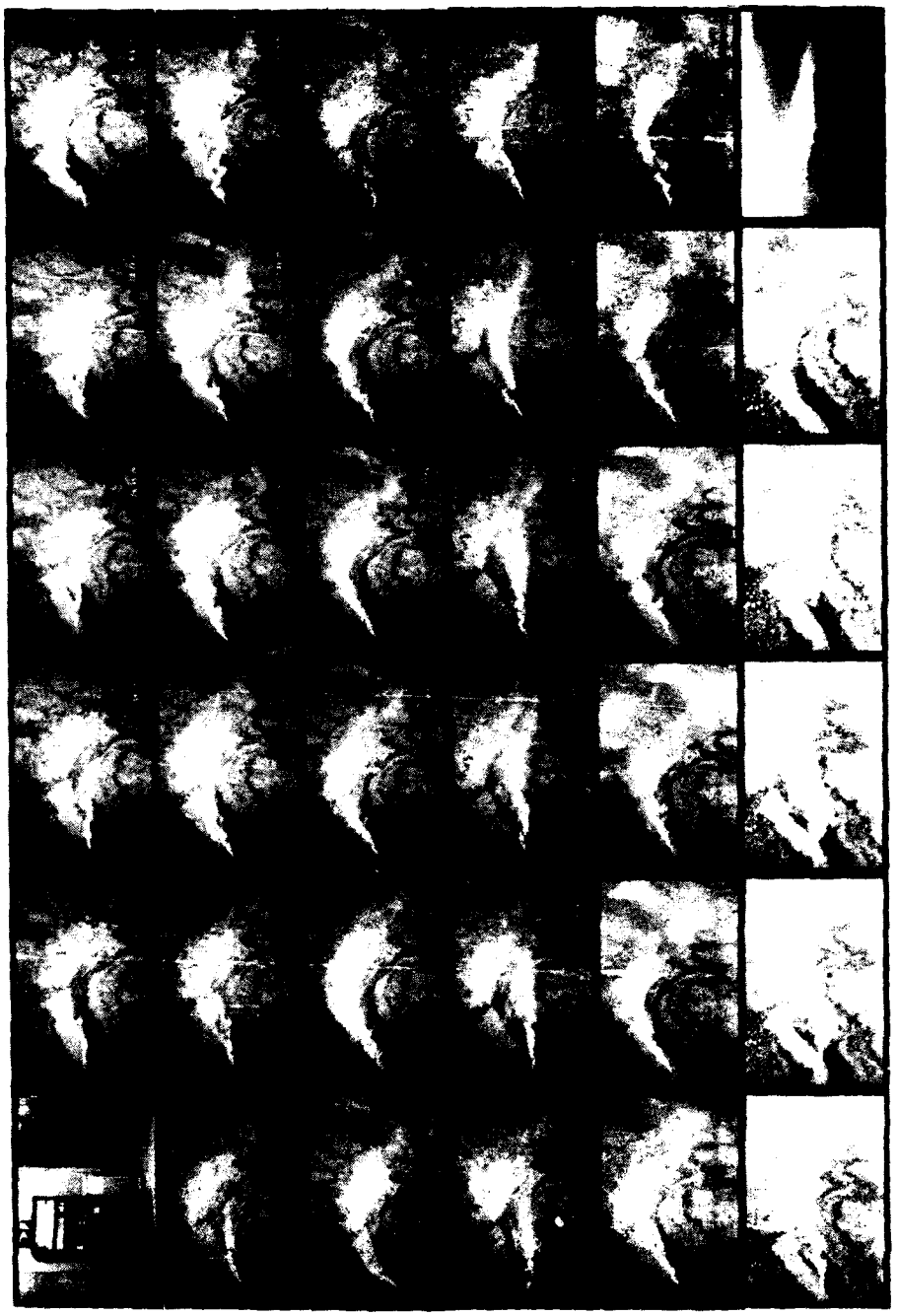


Plate no 7.

Plate no 8.

PROJECT WIND, PHASE 4

Log-report

Day: Thu. Oct. 1. cont.

Meteorology:

Sonic station no 1. Start time: cont.

Stop time: cont.

Sonic station no 2. Start time: 12:40

Stop time: 15:00

Tracer-realese run: No smoke.

FM-tape at st. no 1. Start time: 06:32

Stop time: 14:40

Photography (Aerial) Start time: 14:11

Stop time: 14:32

Plate no 9. Pictures taken: 19

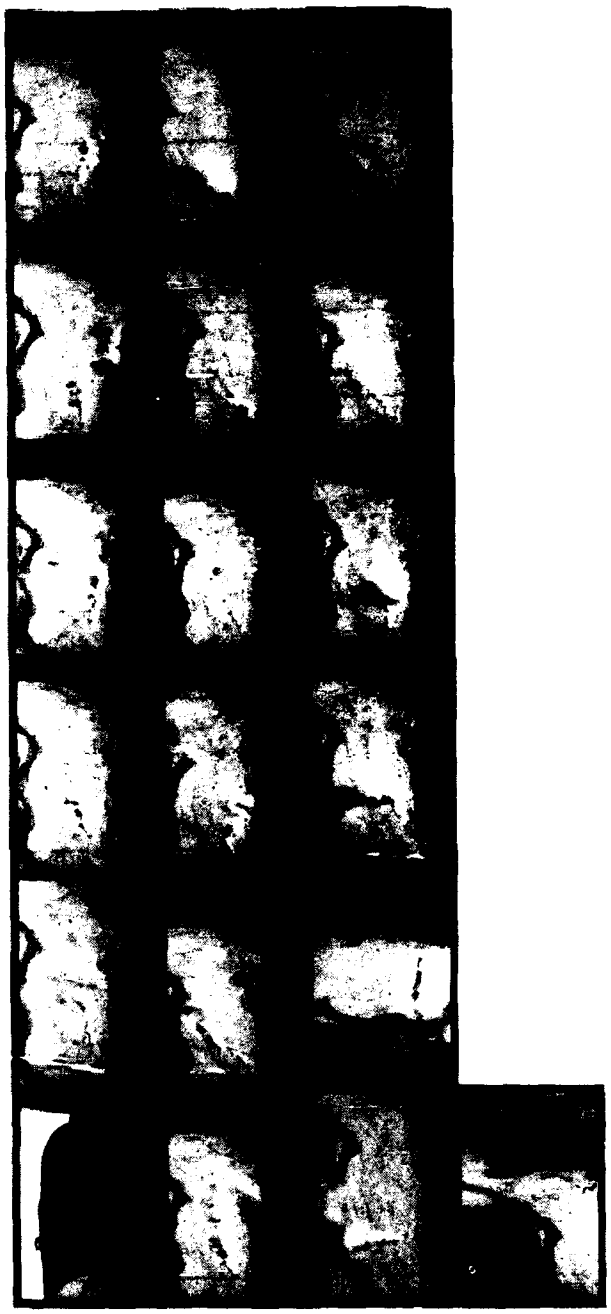


Plate no 9.

PROJECT WIND, PHASE 4

Log-report

Day: Fri. Oct. 2.

Meteorology:

Sonic station no 1. Start time: cont.

Stop time: cont.

Sonic station no 2. Start time: %

Stop time: %

Tracer-realese run: 11 smoke.

FM-tape at st. no 1. Start time: 06:40

Stop time: 13:20

Photography (Aerial) Start time: 07:18

Stop time: 07:57

Plate no 10. Pictures taken: 36

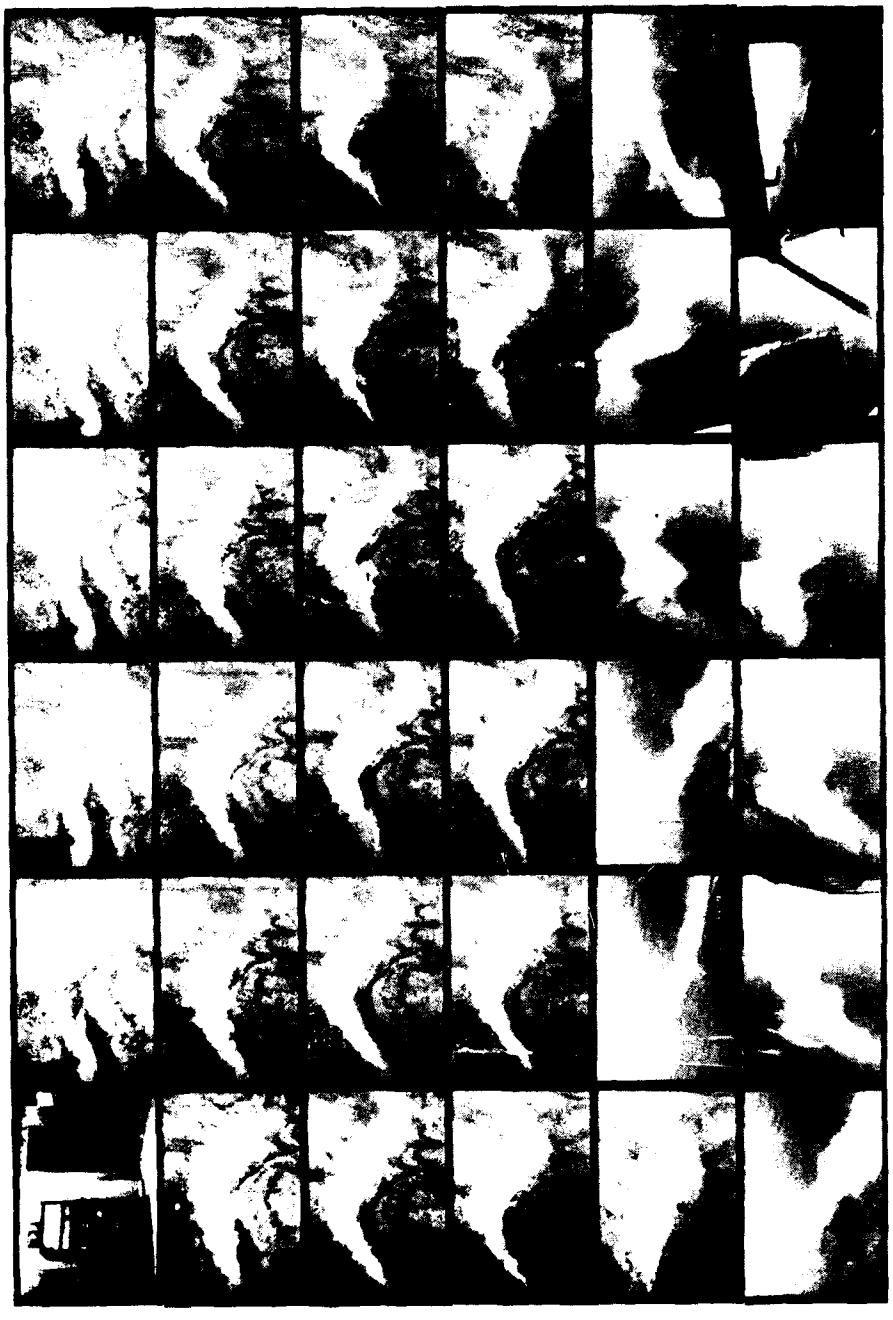


Plate no 10.

PROJECT WIND, PHASE 4

Log-report

Day: Fri. Oct. 2.

Meteorology:

Sonic station no 1. Start time: cont.

Stop time: cont.

Sonic station no 2. Start time: 12:00

Stop time: 13:20

Tracer-realese run: 12 smoke.

FM-tape at st. no 1. Start time: 06:40

Stop time: 13:20

Photography (Aerial) Start time: 12:17

Stop time: 12:59

Plate no 11. Pictures taken: 27

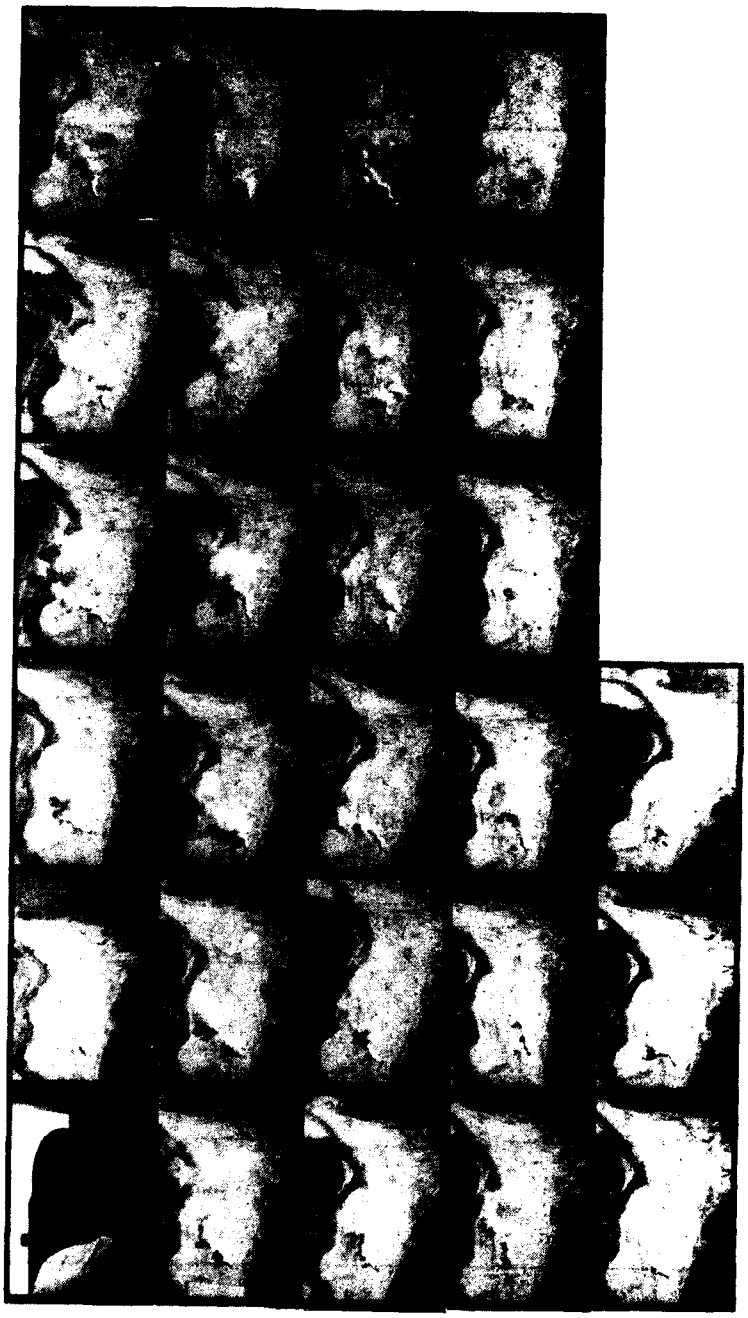


Plate no 11.

PROJECT WIND, PHASE 4

Log-report

Day: Sat. Oct. 3.

Meteorology:

Sonic station no 1. Start time: cont.

Stop time: cont.

Sonic station no 2. Start time: %

Stop time: %

Tracer-realese run: 13 smoke.

FM-tape at st. no 1. Start time: 06:40

Stop time: 12:34

Photography (Aerial) Start time: 06:57

Stop time: 07:35

Plate no 12. Pictures taken: 30

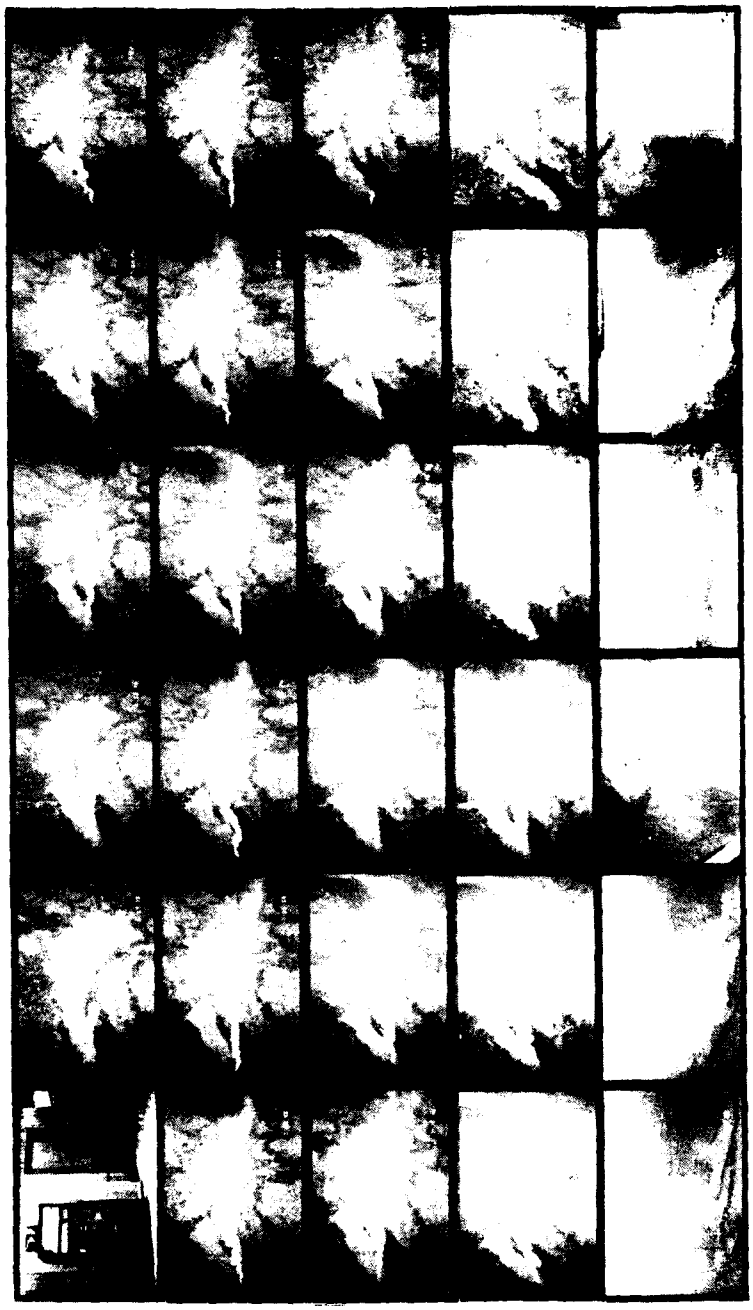


Plate no 12.

PROJECT WIND, PHASE 4

Log-report

Day: Sat. Oct. 3.

Meteorology:

Sonic station no 1. Start time: cont.

Stop time: 24:00

Sonic station no 2. Start time: %

Stop time: %

Tracer-realese run: 14 no smoke.

FM-tape at st. no 1. Start time: 14:10

Stop time: 22:18

Photography (Aerial) Start time: %

Stop time: %

Pictures taken: %.

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and S. Thykier-Nielsen

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