File description and task list for 1996-97 LTER Met Files: o1=omit from level 1, ok= no changes to get to level 1, rclow= reverse temperatures to mV and apply clow subroutine to mV values using Steinhart-Hart equation, bad= normally would be included in level 1 but number is bogus, flag= reasonable number but needs a note attached concerning its collection:

No major changes were made from last season to the programs!!:

Array I.D. meaning:

First and Second Digit	Third Digit
01 = Hoare	Stations 1-14: program
02 = Fryxell	version # for season
03 = Bonney	Station 15: 1 = time and const
04 = Commonwealth	2 = surface flux
05 = Howard	3 = met and energy
06 = Taylor	
07 = Vanda	
08 = Brownsworth	
09 = Explorer's Cove	
10 = Canada Gl. (without Eddy Sensors)	
11 = Vida	
12 = Hoare Submerged	
13 = Fryxell Submerged	
14 = Bonney East Submerged	
15 = Canada Gl. (with Eddy Sensors)	
16 = Bonney West Submerged	

Hardware Notes:

1) Continued service schedule.
2) Measured heights of all temp probes and will put in data as separate field

Filename: boy96001.prn
Station: Lake Bonney met station
Date of Establishment: November 24, 1993 by Peter Doran
Author of this report: Peter Doran
File Period: Jan 25/96 (25) @ 12:45*
Sampling Frequency: wind speed every 1 sec, other every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: boy956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   ok
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean P.A.R. (micromols/s/m2)
   divide by 200, multiply by 331.13
15. mean soil temperature @ 0 cm in soil (C)
   rclow
16. mean soil temperature @ 5 cm in soil (C)
   rclow
17. mean soil temperature @ 10 cm in soil (C)
   rclow
18. sample precipitation (mm)
   ok
19. sample of battery voltage
   o1

Notes:
1) Station powered down between 12:45 and 14:20 hours on 1/25/96 to install diodes

Filename: boy96002.prn
Station: Lake Bonney met station
Date of Establishment: November 24, 1993 by Peter Doran
Author of this report: Peter Doran
File Period: Jan 25/96 (25) @ 13:30 to Aug 8/96 (221) @ 11:45
Sampling Frequency: wind speed every 1 sec, other every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: boy956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
    ok
11. standard deviation of wind direction (degrees)
    ok
12. maximum wind speed (m/s)
    ok
13. minimum wind speed (m/s)
    ok
14. mean P.A.R. (micromols/s/m2)
    divide by 200, multiply by 331.13
15. mean soil temperature @ 0 cm in soil (C)
    rclow
16. mean soil temperature @ 5 cm in soil (C)
    rclow
17. mean soil temperature @ 10 cm in soil (C)
    rclow
18. sample precipitation (mm)
    ok
19. sample of battery voltage
    o1

Notes:
1) Station powered down between 12:45 and 14:20 hours on 1/25/96 to install diodes (from field notes but does not match time stamps)

Filename: boy96003.prn
Station: Lake Bonney met station
Date of Establishment: November 24, 1993 by Peter Doran
Author of this report: Peter Doran
File Period: Jan 25/96 (25)
Sampling Frequency: wind speed every 1 sec, other every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: boy956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
    ok
11. standard deviation of wind direction (degrees)
    ok
12. maximum wind speed (m/s)
    ok
13. minimum wind speed (m/s)
    ok
14. mean P.A.R. (micromols/s/m2)
    divide by 200, multiply by 331.13
15. mean soil temperature @ 0 cm in soil (C)
    rclow
16. mean soil temperature @ 5 cm in soil (C)
    rclow
17. mean soil temperature @ 10 cm in soil (C)
    rclow
18. sample precipitation (mm)
    ok
19. sample of battery voltage
    o1

Filename: boy96004.prn
Station: Lake Bonney met station
Date of Establishment: November 24, 1993 by Peter Doran
Author of this report: Peter Doran
File Period: Aug 8/96 (221) @ 1200 to Oct 28/96(302)@ 2245
Sampling Frequency: wind speed every 1 sec, other every 30 secs
Averaging and Output Interval: every 15 minutes
Program name: boy956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
    ok
11. standard deviation of wind direction (degrees)
    ok
12. maximum wind speed (m/s)
    ok
13. minimum wind speed (m/s)
    ok
14. mean P.A.R. (micromols/s/m2)
    divide by 200, multiply by 331.13
15. mean soil temperature @ 0 cm in soil (C)
    rclow
16. mean soil temperature @ 5 cm in soil (C)
    rclow
17. mean soil temperature @ 10 cm in soil (C)
    rclow
18. sample precipitation (mm)
    ok
19. sample of battery voltage
    o1

Filename: boy96701.dat
Station: Lake Bonney met station
Date of Establishment: November 24, 1993 by Peter Doran
Author of this report: Peter Doran
File Period: Oct 28/96(302)@ 2300 to Nov 21/96 (326) @ 815
Sampling Frequency: wind speed every 1 sec, other every 30 secs
Averaging and Output Interval: every 15 minutes
Program name: boy956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
    ok
11. standard deviation of wind direction (degrees)
    ok
12. maximum wind speed (m/s)
    ok
13. minimum wind speed (m/s)
    ok
14. mean P.A.R. (micromols/s/m2)
    divide by 200, multiply by 331.13
15. mean soil temperature @ 0 cm in soil (C)
    rclow
16. mean soil temperature @ 5 cm in soil (C)
    rclow
17. mean soil temperature @ 10 cm in soil (C)
    rclow
18. sample precipitation (mm)
    ok
19. sample of battery voltage
    o1

Filename: boy96702.dat
Station: Lake Bonney met station
Date of Establishment: November 24, 1993 by Peter Doran
Author of this report: Peter Doran
File Period: Nov 21/96 (326) @ 900 to Jan 28/97 (28) @ 1100
Sampling Frequency: wind speed every 1 sec, other every 30 secs
Averaging and Output Interval: every 15 minutes
Program name: boy956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
    ok
11. standard deviation of wind direction (degrees)
    ok
12. maximum wind speed (m/s)
    ok
13. minimum wind speed (m/s)
    ok
14. mean P.A.R. (micromols/s/m2)
    divide by 200, multiply by 331.13
15. mean soil temperature @ 0 cm in soil (C)
    rclow
16. mean soil temperature @ 5 cm in soil (C)
    rclow
17. mean soil temperature @ 10 cm in soil (C)
    rclow
18. sample precipitation (mm)
    ok
19. sample of battery voltage
    o1

Filename: brh96001.prn
Station: Lake Brownworth met station
Date of Establishment: Dec 30, 1994 by Peter Doran and Ian Hawes
Author of this report: Peter Doran
File Period: Jan 23/96 (23) @ 11:15 to Apr 13/96 (104) @ 18:30*
Sampling Frequency: wind speed every 1 sec, other every 30 secs.
Averaging and Output Interval: every 15 min.
Program name: brh956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters calced using Campbell instruction P11 (C)
   rclow
5. mean R.H. @ 3 m (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean horizontal wind speed (m/s)
   ok
8. resultant mean wind speed (m/s)
   o1
9. resultant mean wind direction (degrees from north)
   ok
10. standard deviation of wind direction (degrees)
   ok
11. maximum wind speed (m/s)
   ok
12. minimum wind speed (m/s)
   ok
13. mean soil temperature @ 0 cm in soil (C)
   rclow
14. mean soil temperature @ 5 cm in soil (C)
   rclow
15. mean soil temperature @ 10 cm in soil (C)
   rclow
16. sample of battery voltage
   o1
17. mean net radiation (W/m2)
   ok
18. mean UVA (W/m2)
   ok
19. mean UVB (W/m2)
   ok

*Notes: 1) Timeline jumps between files for remainder of BRH.
2) two continous groups of data: 1) 23@115 to 101@1045, 2) 104@930 to 104@1830

Filename: brh96002.prn
Station: Lake Brownworth met station
Date of Establishment: Dec 30, 1994 by Peter Doran and Ian Hawes
Author of this report: Peter Doran
File Period: Apr 22/96 (113) @ 2:45 to Apr 22/96 (113) @ 3:15*
Sampling Frequency: wind speed every 1 sec, other every 30 secs.
Averaging and Output Interval: every 15 min.
Program name: brh956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters calced using Campbell instruction P11 (C)
   rclow
5. mean R.H. @ 3 m (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean horizontal wind speed (m/s)
   ok
8. resultant mean wind speed (m/s)
   o1
9. resultant mean wind direction (degrees from north)
   ok
10. standard deviation of wind direction (degrees)
    ok
11. maximum wind speed (m/s)
    ok
12. minimum wind speed (m/s)
    ok
13. mean soil temperature @ 0 cm in soil (C)
    rclow
14. mean soil temperature @ 5 cm in soil (C)
    rclow
15. mean soil temperature @ 10 cm in soil (C)
    rclow
16. sample of battery voltage
    o1
17. mean net radiation (W/m2)
    ok
18. mean UVA (W/m2)
    ok
19. mean UVB (W/m2)
    ok

Notes: 1) time gaps before and after file.

Filename: brh96003.prn
Station: Lake Brownworth met station
Date of Establishment: Dec 30, 1994 by Peter Doran and Ian Hawes
Author of this report: Peter Doran
File Period: Apr 22/96(113) @ 6:30 to Apr 22/96(113) @ 7:45*
Sampling Frequency: wind speed every 1 sec, other every 30 secs.
Averaging and Output Interval: every 15 min.
Program name: brh956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters calced using Campbell instruction P11 (C)
   rclow
5. mean R.H. @ 3 m (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean horizontal wind speed (m/s)
   ok
8. resultant mean wind speed (m/s)
   o1
9. resultant mean wind direction (degrees from north)
   ok
10. standard deviation of wind direction (degrees)
   ok
11. maximum wind speed (m/s)
   ok
12. minimum wind speed (m/s)
   ok
13. mean soil temperature @ 0 cm in soil (C)
   rclow
14. mean soil temperature @ 5 cm in soil (C)
   rclow
15. mean soil temperature @ 10 cm in soil (C)
   rclow
16. sample of battery voltage
   o1
17. mean net radiation (W/m2)
   ok
18. mean UVA (W/m2)
   ok
19. mean UVB (W/m2)
   ok

Notes: 1) time gaps before and after file...this is actually the last data collected by this station.

Filename: brh96004.prn
Station: Lake Brownworth met station
Date of Establishment: Dec 30, 1994 by Peter Doran and Ian Hawes
Author of this report: Peter Doran
File Period: Apr 8/96(99) @ 515 to Apr 22/96(113) @ 7:45*
Sampling Frequency: wind speed every 1 sec, other every 30 secs.
Averaging and Output Interval: every 15 min.
Program name: brh956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters calced using Campbell instruction P11 (C)
   rclow
5. mean R.H. @ 3 m (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean horizontal wind speed (m/s)
   ok
8. resultant mean wind speed (m/s)
   o1
9. resultant mean wind direction (degrees from north)
   ok
10. standard deviation of wind direction (degrees)
   ok
11. maximum wind speed (m/s)
   ok
12. minimum wind speed (m/s)
   ok
13. mean soil temperature @ 0 cm in soil (C)
   rclow
14. mean soil temperature @ 5 cm in soil (C)
   rclow
15. mean soil temperature @ 10 cm in soil (C)
   rclow
16. sample of battery voltage
   o1
17. mean net radiation (W/m2)
   ok
18. mean UVA (W/m2)
   ok
19. mean UVB (W/m2)
   ok

Notes:
1) time gaps before and after file.
2) File contains two continuous groups of data: 1) 99@515 to 104@915, 2)104@1845 to 104@2215.

Filename: brh96005.prn
Station: Lake Brownworth met station
Date of Establishment: Dec 30, 1994 by Peter Doran and Ian Hawes
Author of this report: Peter Doran
File Period: Apr 13/96(104) @ 2230 to Apr 21/96(112) @ 16:00*
Sampling Frequency: wind speed every 1 sec, other every 30 secs.
Averaging and Output Interval: every 15 min.
Program name: brh956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters calced using Campbell instruction P11 (C)
   rclow
5. mean R.H. @ 3 m (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean horizontal wind speed (m/s)
   ok
8. resultant mean wind speed (m/s)
   o1
9. resultant mean wind direction (degrees from north)
   ok
10. standard deviation of wind direction (degrees)
   ok
11. maximum wind speed (m/s)
   ok
12. minimum wind speed (m/s)
   ok
13. mean soil temperature @ 0 cm in soil (C)
   rclow
14. mean soil temperature @ 5 cm in soil (C)
   rclow
15. mean soil temperature @ 10 cm in soil (C)
   rclow
16. sample of battery voltage
   o1
17. mean net radiation (W/m2)
   ok
18. mean UVA (W/m2)
   ok
19. mean UVB (W/m2)
   ok

Notes: 1) time gaps before and after file.
2) File contains two continuous groups of data: 1) 104@2230 to 111@145, 2)111@215 to 112@1600.

Filename: brh96006.prn
Station: Lake Brownworth met station
Date of Establishment: Dec 30, 1994 by Peter Doran and Ian Hawes
Author of this report: Peter Doran
File Period: Apr 21/96(112) @ 1615 to Apr 21/96(112) @ 23:00*
Sampling Frequency: wind speed every 1 sec, other every 30 secs.
Averaging and Output Interval: every 15 min.
Program name: brh956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters calced using Campbell instruction P11 (C)
   rclow
5. mean R.H. @ 3 m (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean horizontal wind speed (m/s)
   ok
8. resultant mean wind speed (m/s)
   o1
9. resultant mean wind direction (degrees from north)
   ok
10. standard deviation of wind direction (degrees)
    ok
11. maximum wind speed (m/s)
    ok
12. minimum wind speed (m/s)
    ok
13. mean soil temperature @ 0 cm in soil (C)
    rclow
14. mean soil temperature @ 5 cm in soil (C)
    rclow
15. mean soil temperature @ 10 cm in soil (C)
    rclow
16. sample of battery voltage
    o1
17. mean net radiation (W/m2)
    ok
18. mean UVA (W/m2)
    ok
19. mean UVB (W/m2)
    ok

Notes: 1) time gaps before and after file.

Filename: brh96007.prn
Station: Lake Brownworth met station
Date of Establishment: Dec 30, 1994 by Peter Doran and Ian Hawes
Author of this report: Peter Doran
File Period: Apr 21/96(112) @ 2315 to Apr 22/96(113) @ 230*
Sampling Frequency: wind speed every 1 sec, other every 30 secs.
Averaging and Output Interval: every 15 min.
Program name: brh956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters calced using Campbell instruction P11 (C)
   rclow
5. mean R.H. @ 3 m (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean horizontal wind speed (m/s)
   ok
8. resultant mean wind speed (m/s)
   o1
9. resultant mean wind direction (degrees from north)
   ok
10. standard deviation of wind direction (degrees)
   ok
11. maximum wind speed (m/s)
   ok
12. minimum wind speed (m/s)
   ok
13. mean soil temperature @ 0 cm in soil (C)
   rclow
14. mean soil temperature @ 5 cm in soil (C)
   rclow
15. mean soil temperature @ 10 cm in soil (C)
   rclow
16. sample of battery voltage
   o1
17. mean net radiation (W/m2)
   ok
18. mean UVA (W/m2)
   ok
19. mean UVB (W/m2)
   ok

Notes: 1) time gaps before and after file.

Filename: brh96008.prn
Station: Lake Brownworth met station
Date of Establishment: Dec 30, 1994 by Peter Doran and Ian Hawes
Author of this report: Peter Doran
File Period: Apr 22/96(113) @ 330 to Apr 22/96(113) @ 615*
Sampling Frequency: wind speed every 1 sec, other every 30 secs.
Averaging and Output Interval: every 15 min.
Program name: brh956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters calced using Campbell instruction P11 (C)
   rclow
5. mean R.H. @ 3 m (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean horizontal wind speed (m/s)
   ok
8. resultant mean wind speed (m/s)
   o1
9. resultant mean wind direction (degrees from north)
   ok
10. standard deviation of wind direction (degrees)
    ok
11. maximum wind speed (m/s)
    ok
12. minimum wind speed (m/s)
    ok
13. mean soil temperature @ 0 cm in soil (C)
    rclow
14. mean soil temperature @ 5 cm in soil (C)
    rclow
15. mean soil temperature @ 10 cm in soil (C)
    rclow
16. sample of battery voltage
    o1
17. mean net radiation (W/m2)
    ok
18. mean UVA (W/m2)
    ok
19. mean UVB (W/m2)
    ok

Notes: 1) time gaps before and after this file.

Filename: brh96701.dat
Station: Lake Brownworth met station
Date of Establishment: November 13, 1996 by Peter Doran and D.J. Osborne
Author of this report: Peter Doran
File Period: Nov 13/96 (318) @ 1515
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 min
Program Name: brh967-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
    ok
11. standard deviation of wind direction (degrees)
    ok
12. maximum wind speed (m/s)
    ok
13. minimum wind speed (m/s)
    ok
14. mean P.A.R. (micromols/s/m2)
    divide by 200, multiply by 342.07
15. mean soil temperature @ 0 cm in soil (C)
    rclow
16. mean soil temperature @ 5 cm in soil (C)
    Rclow
17. mean soil temperature @ 10 cm in soil (C)
    rclow
18. sample of battery voltage
    o1

Notes:

1) First file for this brand new station at old BRH location. Old station was Kiwi□s. New station is similar to others in LAWN
2) Used old soil thermistors, but everything else is new

Filename: brh96702.dat
Station: Lake Brownworth met station
Date of Establishment: November 13, 1996 by Peter Doran and D.J. Osborne
Author of this report: Peter Doran
File Period: Nov 13/96 (318) @ 1530 to Jan 25/97 (25) @ 1015
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 min
Program Name: brh967-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
    ok
11. standard deviation of wind direction (degrees)
    ok
12. maximum wind speed (m/s)
    ok
13. minimum wind speed (m/s)
    ok
14. mean P.A.R. (micromols/s/m2)
    divide by 200, multiply by 342.07
15. mean soil temperature @ 0 cm in soil (C)
    rclow
16. mean soil temperature @ 5 cm in soil (C)
    Rclow
17. mean soil temperature @ 10 cm in soil (C)
    rclow
18. sample of battery voltage
    o1

Notes:

Filename: caa96001.prn
Station: Canada Glacier met station
Date of Establishment: Nov 20, 1995 by Karen Lewis
Author of this report: Peter Doran
File Period: July 8/96(190) @ 2400
Sampling Frequency: every 30 sec., wind speed every sec
Averaging and Output Interval: every 15 minutes, wind every sec
Program name: caa96-02

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 2 meters (C)
   rclow
5. mean rh @ 2 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   ok
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean air temp. @ 1 meter (C)
   rclow
15. mean rh @ 1 m (%)
   ok
16. Mean barometric pressure (mbar)
   ok
17. Mean net radiation (W/m2)
   ok

18. sample battery voltage
   o1

Heads up for 1996 Canada Met station overwinter data:

1. Station powered down on day 25 between 16:34 and 17:21 to install diodes.

2. Between day 25 @ 17:30 to day 26 @ 17:15, 207 probe @ 1 m was moved up to 205.5 cm to compare with 207 probe

at 2 m. It was returned to 1m on day 26 @ 17:15.

3. During power-down mentioned in 1) above removed both uplooking (SN 20568) and downlooking (SN PY20561) licor 200X pyranometers to send in for calibration. Installed up looking Licor 200X pyranometer (SN 20567).

4. On day 26 @ ~1630, installed downlooking Licor 200X pyranometer (SN 20222).

Filename: caa96002.prn
Station: Canada Glacier met station
Date of Establishment: Nov 20, 1995 by Karen Lewis
Author of this report: Peter Doran
File Period: Jul 8/96(190)@ 2400 to Aug 19/96 (232) @ 900*
Sampling Frequency: every 30 sec., wind speed every second
Averaging and Output Interval: every 15 minutes
Program name: caa96-02

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 2 meters (C)
   rclow
5. mean rh @ 2 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   ok
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean air temp. @ 1 meter (C)
   rclow
15. mean rh @ 1 m (%)
   ok
16. Mean barometric pressure (mbar)
   ok
17. Mean net radiation (W/m2)
   ok

18. sample battery voltage
   o1

notes:

1) last array is incomplete (232@915)
2) most of this file overlaps with caa96004.prn

Filename: caa96003.prn
Station: Canada Glacier met station
Date of Establishment: Nov 20, 1995 by Karen Lewis
Author of this report: Peter Doran
File Period: Jan 26/96 (26) @ 1645 to Jan 26/96 (26) @ 1715*
Sampling Frequency: every 30 sec., wind speed every second
Averaging and Output Interval: every 15 minutes
Program name: caa96-02

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 2 meters (C)
   rclow
5. mean rh @ 2 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   ok
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean air temp. @ 1 meter (C)
   rclow
15. mean rh @ 1 m (%)
   ok
16. Mean barometric pressure (mbar)
   ok
17. Mean net radiation (W/m2)
   ok
18. sample battery voltage
   o1

notes:
Heads up for 1996 Canada Met station overwinter data:

1. Station powered down on day 25 between 16:34 and 17:21 to install diodes.

2. Between day 25 @ 17:30 to day 26 @ 17:15, 207 probe @ 1 m was moved up to 205.5 cm to compare with 207 probe at 2 m. It was returned to 1m on day 26 @ 17:15.

3. During power-down mentioned in 1) above removed both uplooking (SN 20568) and downlooking (SN PY20561) licor 200X pyranometers to send in for calibration. Installed up looking Licor 200X pyranometer (SN 20567).

4. On day 26 @ ~1630, installed downlooking Licor 200X pyranometer (SN 20222).

Filename: caa96004.prn
Station: Canada Glacier met station
Date of Establishment: Nov 20, 1995 by Karen Lewis
Author of this report: Peter Doran
File Period: Jan 26/96(26)@ 2400 to Aug 21/96 (234) @ 45 *
Sampling Frequency: every 30 sec., wind speed every second
Averaging and Output Interval: every 15 minutes
Program name: caa96-02

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 2 meters (C)
   rclow
5. mean rh @ 2 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   ok
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean air temp. @ 1 meter (C)
   rclow
15. mean rh @ 1 m (%)
   ok
16. Mean barometric pressure (mbar)
   ok
17. Mean net radiation (W/m2)
   ok
18. sample battery voltage
   o1

notes:
1) most of this file overlaps with caa96002.prn
2) E08 message displayed when files collected Dec 2/1996

Filename: coh96001.prn
Station: Commonwealth Glacier Station
Date of Establishment: Nov 22, 1993 by Peter Doran
Author of this report: Peter Doran
File Period: Jan 24/96 @ 1030 (24)*
Sampling Frequency: wind every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: coh956-2

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rClow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   divide by 100; multiply by 115.47
7. mean solar flux going up (W/m2)
   divide by 100; multiply by 120.19
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   flag
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean incoming IR pyrgeometer output (pins A-B) (W/m2)
   divide by 250; multiply by 256.41
15. mean incoming IR hemisphere temp. (pins A-C) (mv)
   Eppley
16. mean incoming IR thermopile output (pins F-G)(W/m2)
   Eppley
17. mean incoming IR case temp. (pins E-D)(mv)
   Eppley
* 18. mean thermal infrared-skin temperature(C)
   bad
* 19. mean ice temp. @ 20 cm (C)
   flag; rclow
* 20. mean ice temp. @ 1 m (C)
   flag; rclow
* 21. mean dTemp 1-3 meters (from t.c. wire) (C)
   bad
22. mean outgoing IR pyrgeometer output (pins A-B)(W/m2)
   divide by 250; multiply by 249.38

23. mean outgoing IR hemisphere temp. (pins F-G) (mv)
    Eppley
24. mean outgoing IR thermopile (pins A-C) (W/m2)
    Eppley
25. mean outgoing IR case temp. (pins E-D) (mv)
    Eppley
26. sample of battery voltage
    o1

*Notes:

1. Exact depth position of ice thermistors unknown (#18 & 19).
2. Thermocouple not wired; ignore #21

Heads up for Winter 1996 Commonwealth data

1. Station powered down between 10:36 and 11:10 on Jan 24/96 to install battery diode wiring.
2. Everest thermal infrared sensor not wired (FS #18) during winter.

Filename: coh96002.prn
Station: Commonwealth Glacier Station
Date of Establishment: Nov 22, 1993 by Peter Doran
Author of this report: Peter Doran
File Period: Jan 24/96 (24) @ 1115 to June 15/96 (167) @1500
Sampling Frequency: wind every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: coh956-2

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rClow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   divide by 100; multiply by 115.47
7. mean solar flux going up (W/m2)
   divide by 100; multiply by 120.19
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   flag
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean incoming IR pyrgeometer output (pins A-B) (W/m2)
   divide by 250; multiply by 256.41
15. mean incoming IR hemisphere temp. (pins A-C) (mv)
   Eppley
16. mean incoming IR thermopile output (pins F-G)(W/m2)
   Eppley
17. mean incoming IR case temp. (pins E-D)(mv)
   Eppley
* 18. mean thermal infrared-skin temperature(C)
   bad
* 19. mean ice temp. @ 20 cm (C)
   flag; rclow
* 20. mean ice temp. @ 1 m (C)
   flag; rclow
* 21. mean dTemp 1-3 meters (from t.c. wire) (C)
   bad
22. mean outgoing IR pyrgeometer output (pins A-B)(W/m2)
   divide by 250; multiply by 249.38

23. mean outgoing IR hemisphere temp. (pins F-G) (mv)
    Eppley
24. mean outgoing IR thermopile (pins A-C) (W/m2)
    Eppley
25. mean outgoing IR case temp. (pins E-D) (mv)
    Eppley
26. sample of battery voltage
    o1

*Notes:

1. Exact depth position of ice thermistors unknown (#18 & 19).
2. Thermocouple not wired; ignore #21

Heads up for Winter 1996 Commonwealth data

1. Station powered down between 10:36 and 11:10 on Jan 24/96 to install battery diode wiring.
2. Everest thermal infrared sensor not wired (FS #18) during winter.

Filename: coh96003.prn
Station: Commonwealth Glacier Station
Date of Establishment: Nov 22, 1993 by Peter Doran
Author of this report: Peter Doran
File Period: Jun 15/96 (167) @ 1515 to Nov 6/96 (311) @ 345
Sampling Frequency: wind every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: coh956-2

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rClow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   divide by 100; multiply by 115.47
7. mean solar flux going up (W/m2)
   divide by 100; multiply by 120.19
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   flag
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean incoming IR pyrgeometer output (pins A-B) (W/m2)
   divide by 250; multiply by 256.41
15. mean incoming IR hemisphere temp. (pins A-C) (mv)
   Eppley
16. mean incoming IR thermopile output (pins F-G)(W/m2)
   Eppley
17. mean incoming IR case temp. (pins E-D)(mv)
   Eppley
* 18. mean thermal infrared-skin temperature(C)
   bad
* 19. mean ice temp. @ 20 cm (C)
   flag; rclow
* 20. mean ice temp. @ 1 m (C)
   flag; rclow
* 21. mean dTemp 1-3 meters (from t.c. wire) (C)
   bad
22. mean outgoing IR pyrgeometer output (pins A-B)(W/m2)
   divide by 250; multiply by 249.38

23. mean outgoing IR hemisphere temp. (pins F-G) (mv)
    Eppley
24. mean outgoing IR thermopile (pins A-C) (W/m2)
    Eppley
25. mean outgoing IR case temp. (pins E-D) (mv)
    Eppley
26. sample of battery voltage
    o1

*Notes:

1. Exact depth position of ice thermistors unknown (#18 & 19).
2. Thermocouple not wired; ignore #21

Heads up for Winter 1996 Commonwealth data

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1. Everest thermal infrared sensor not wired (FS #18) during winter.

Filename: coh96004.prn
Station: Commonwealth Glacier Station
Date of Establishment: Nov 22, 1993 by Peter Doran
Author of this report: Peter Doran
File Period: Nov 6/96 (311) @ 400 to Nov 15/96 (319) @ 1515
Sampling Frequency: wind every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: coh956-2

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rClow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   divide by 100; multiply by 115.47
7. mean solar flux going up (W/m2)
   divide by 100; multiply by 120.19
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   flag
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean incoming IR pyrgeometer output (pins A-B) (W/m2)
   divide by 250; multiply by 256.41
15. mean incoming IR hemisphere temp. (pins A-C) (mv)
   Eppley
16. mean incoming IR thermopile output (pins F-G)(W/m2)
   Eppley
17. mean incoming IR case temp. (pins E-D)(mv)
   Eppley
* 18. mean thermal infrared-skin temperature(C)
   bad
* 19. mean ice temp. @ 20 cm (C)
   flag; rclow
* 20. mean ice temp. @ 1 m (C)
   flag; rclow
* 21. mean dTemp 1-3 meters (from t.c. wire) (C)
   bad
22. mean outgoing IR pyrgeometer output (pins A-B)(W/m2)
   divide by 250; multiply by 249.38

23. mean outgoing IR hemisphere temp. (pins F-G) (mv)
    Eppley
24. mean outgoing IR thermopile (pins A-C) (W/m2)
    Eppley
25. mean outgoing IR case temp. (pins E-D) (mv)
    Eppley
26. sample of battery voltage
    o1

*Notes:

1. Exact depth position of ice thermistors unknown (#18 & 19).
2. Thermocouple not wired; ignore #21

Heads up for Winter 1996 Commonwealth data

1. Everest thermal infrared sensor not wired (FS #18) during winter.

Filename: coh96701.dat
Station: Commonwealth Glacier Station
Date of Establishment: Nov 22, 1993 by Peter Doran
Author of this report: Peter Doran
File Period: Nov 14/96 (319) @ 1545 to Nov 29/96 (334) @ 915
Sampling Frequency: wind every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: coh956-2

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rClow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   divide by 100; multiply by 115.47
7. mean solar flux going up (W/m2)
   divide by 100; multiply by 120.19
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   flag
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean incoming IR pyrgeometer output (pins A-B) (W/m2)
   divide by 250; multiply by 256.41
15. mean incoming IR hemisphere temp. (pins A-C) (mv)
   Eppley
16. mean incoming IR thermopile output (pins F-G)(W/m2)
   Eppley
17. mean incoming IR case temp. (pins E-D)(mv)
   Eppley
* 18. mean thermal infrared-skin temperature(C)
   bad
* 19. mean ice temp. @ 20 cm (C)
   flag; rclow
* 20. mean ice temp. @ 1 m (C)
   flag; rclow
* 21. mean dTemp 1-3 meters (from t.c. wire) (C)
   bad
22. mean outgoing IR pyrgeometer output (pins A-B)(W/m2)
   divide by 250; multiply by 249.38

23. mean outgoing IR hemisphere temp. (pins F-G) (mv)
    Eppley
24. mean outgoing IR thermopile (pins A-C) (W/m2)
    Eppley
25. mean outgoing IR case temp. (pins E-D) (mv)
    Eppley
26. sample of battery voltage
    o1

*Notes:

1. Exact depth position of ice thermistors unknown (#19 and 20).
2. Thermocouple not wired; ignore #21
3. Everest thermal infrared sensor not wired (FS #18).

Filename: coh96702.dat
Station: Commonwealth Glacier Station
Date of Establishment: Nov 22, 1993 by Peter Doran
Author of this report: Peter Doran
File Period: Nov 29/96 (334) @ 930 to Dec 4/96 (339) @ 1145
Sampling Frequency: wind every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: coh956-2

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rClow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   divide by 100; multiply by 115.47
7. mean solar flux going up (W/m2)
   divide by 100; multiply by 120.19
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   flag
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean incoming IR pyrgeometer output (pins A-B) (W/m2)
   divide by 250; multiply by 256.41
15. mean incoming IR hemisphere temp. (pins A-C) (mv)
   Eppley
16. mean incoming IR thermopile output (pins F-G)(W/m2)
   Eppley
17. mean incoming IR case temp. (pins E-D)(mv)
   Eppley
* 18. mean thermal infrared-skin temperature(C)
   bad
* 19. mean ice temp. @ 20 cm (C)
   flag; rclow
* 20. mean ice temp. @ 1 m (C)
   flag; rclow
* 21. mean dTemp 1-3 meters (from t.c. wire) (C)
   bad
22. mean outgoing IR pyrgeometer output (pins A-B)(W/m2)
   divide by 250; multiply by 249.38

23. mean outgoing IR hemisphere temp. (pins F-G) (mv)
    Eppley
24. mean outgoing IR thermopile (pins A-C) (W/m2)
    Eppley
25. mean outgoing IR case temp. (pins E-D) (mv)
    Eppley
26. sample of battery voltage
    o1

*Notes:

1. Exact depth position of ice thermistors unknown (#19 and 20).
2. Thermocouple not wired; ignore #21
3. Everest thermal infrared sensor not wired (FS #18).

Filename: coh96703.dat
Station: Commonwealth Glacier Station
Date of Establishment: Nov 22, 1993 by Peter Doran
Author of this report: Peter Doran
File Period: Dec 4/96 (339) @ 1215 to Jan 27/97 (27) @ 900
Sampling Frequency: wind every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: coh956-2

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rClow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   divide by 100; multiply by 115.47
7. mean solar flux going up (W/m2)
   divide by 100; multiply by 120.19
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
* 10. resultant mean wind direction (degrees from north)
   flag
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean incoming IR pyrgeometer output (pins A-B) (W/m2)
   divide by 250; multiply by 256.41
15. mean incoming IR hemisphere temp. (pins A-C) (mv)
   Eppley
16. mean incoming IR thermopile output (pins F-G)(W/m2)
   Eppley
17. mean incoming IR case temp. (pins E-D)(mv)
   Eppley
* 18. mean thermal infrared-skin temperature(C)
   bad
* 19. mean ice temp. @ 20 cm (C)
   flag; rclow
* 20. mean ice temp. @ 1 m (C)
   flag; rclow
* 21. mean dTemp 1-3 meters (from t.c. wire) (C)
   bad
22. mean outgoing IR pyrgeometer output (pins A-B)(W/m2)
   divide by 250; multiply by 249.38

23. mean outgoing IR hemisphere temp. (pins F-G) (mv)
    Eppley
24. mean outgoing IR thermopile (pins A-C) (W/m2)
    Eppley
25. mean outgoing IR case temp. (pins E-D) (mv)
    Eppley
26. sample of battery voltage
    o1

*Notes:

1. Exact depth position of ice thermistors unknown (#19 and 20).
2. Thermocouple not wired; ignore #21
3. Everest thermal infrared sensor not wired (FS #18).

Filename: exe96001.dat
Station: Explorer's Cove met station
Date of Establishment: Jan 10 1995 by Peter Doran
Author of this report: Peter Doran
File Period: Jan 26/96 (25) @ 14:00 to Nov 13/96 (318) @ 1500
Sampling Frequency: every 1 hour
Averaging and Output Interval: every 1 hour
Program name: exe956-2

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. sample precipitation (mm)
   ok*
5. sample battery voltage
   o1

*Notes:

1) Signal from precip gage goes dead (zero) on day 57 @ 300

Filename: exe96701.dat
Station: Explorer's Cove met station
Date of Establishment: Jan 10 1995 by Peter Doran
Author of this report: Peter Doran
File Period: Nov 13/96 (318) @ 1600 to Nov 14/96 (319) @ 1600
Sampling Frequency: every 1 hour
Averaging and Output Interval: every 1 hour
Program name: exe956-2

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. sample precipitation (mm)
   bad*
5. sample battery voltage
   o1

*Notes:

1) No precip signal, all zeros

Filename: frl96001.prn
Station: Lake Fryxell met station
Date of Establishment: Jan 6, 1994 by Peter Doran
Author of this report: Peter Doran
File Period: Jan 24/96 (24) @ 12:30 to Jan 24/96 (24) @ 1245*
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: frl956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rClow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   ok
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean P.A.R. (micromols/s/m2)
   divide by 200, multiply by 277.32
15. mean soil temperature @ 0 cm in soil (C)
   rClow
16. mean soil temperature @ 5 cm in soil (C)
   rClow
17. mean soil temperature @ 10 cm in soil (C)
   rClow
18. sample of battery voltage
   o1

*Notes:
1) Heads up for overwinter data: station powered down between 12:48 and 13:10 hours on 1/24/96 to install diodes
2) Missing period of ~12 days between this file and frl96002.prn and have no explanation for it

Filename: frl96002.prn
Station: Lake Fryxell met station
Date of Establishment: Jan 6, 1994 by Peter Doran
Author of this report: Peter Doran
File Period: Jan 24/96 @ 1315 to Aug 18/96 @ 1230
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: frl956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rClow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   ok
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean P.A.R. (micromols/s/m2)
   divide by 200, multiply by 277.32
15. mean soil temperature @ 0 cm in soil (C)
   rClow
16. mean soil temperature @ 5 cm in soil (C)
   rClow
17. mean soil temperature @ 10 cm in soil (C)
   rClow
18. sample of battery voltage
   o1

*Notes:
1) Heads up for overwinter data: station powered down between 12:48 and 13:10 hours on 1/24/96 to install diodes.

Filename: frl96003.prn
Station: Lake Fryxell met station
Date of Establishment: Jan 6, 1994 by Peter Doran
Author of this report: Peter Doran
File Period: Aug 18/96 (231) @ 1315 to Nov 16/96 (321) @ 1745*
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: frl956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rClow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
    ok
11. standard deviation of wind direction (degrees)
    ok
12. maximum wind speed (m/s)
    ok
13. minimum wind speed (m/s)
    ok
14. mean P.A.R. (micromols/s/m2)
    divide by 200, multiply by 277.32
15. mean soil temperature @ 0 cm in soil (C)
    rClow
16. mean soil temperature @ 5 cm in soil (C)
    rClow
17. mean soil temperature @ 10 cm in soil (C)
    rClow
18. sample of battery voltage
    o1

notes:
1) gap of two intervals between this file and frl96002.prn

Filename: frl96701.dat
Station: Lake Fryxell met station
Date of Establishment: Jan 6, 1994 by Peter Doran
Author of this report: Peter Doran
File Period: Nov 16/96 (321) @ 1800
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: frl956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rClow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1

* 10. resultant mean wind direction (degrees from north)
   ok

11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean P.A.R. (micromols/s/m2)
   divide by 200, multiply by 277.32
15. mean soil temperature @ 0 cm in soil (C)
   rClow
16. mean soil temperature @ 5 cm in soil (C)
   rClow
17. mean soil temperature @ 10 cm in soil (C)
   rClow
18. sample of battery voltage
   o1

notes:

Filename: frl96702.dat
Station: Lake Fryxell met station
Date of Establishment: Jan 6, 1994 by Peter Doran
Author of this report: Peter Doran
File Period: Nov 16/96 (321) @ 1845 to Jan 28/97 (28) @ 1030
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: frl956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rClow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1

* 10. resultant mean wind direction (degrees from north)
   ok

11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean P.A.R. (micromols/s/m2)
   divide by 200, multiply by 277.32
15. mean soil temperature @ 0 cm in soil (C)
   rClow
16. mean soil temperature @ 5 cm in soil (C)
   rClow
17. mean soil temperature @ 10 cm in soil (C)
   rClow
18. sample of battery voltage
   o1

notes:

Filename: hod96001.prn
Station: Howard Glacier Station
Date of Establishment: Nov 20, 1993 by Peter Doran
Author of this report: Peter Doran
File Period: Jan 24/95 (24) @ 15:00*
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: hod956-2

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   divide by 100; multiply by 115.61
7. mean solar flux going up (W/m2)
   divide by 100; multiply by 116.41
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)

11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
* 14. mean ice temp. near surface (C)
   flag; rclow
* 15. mean ice temp. @ ~1 m (C)
   flag; rclow
* 16. mean dTemp 1-3 meters (C)
   bad
17. mean air temp @ 1 meter m (C)
   convert to mV, then clow
18. mean rh @ 1 meter (c)
   ok
19. sample of battery voltage
   o1

*Notes:
1. Exact depth position of ice thermistors unknown (#14 & 15).
2. Thermocouple not installed, ignore #16
3. 2nd battery and diode wiring added at beginning of file period.
4. Heads up for 1996 overwinter data: station powered down between @ 15:00 and 15:38 to install battery diodes

Filename: hod96002.prn
Station: Howard Glacier Station
Date of Establishment: Nov 20, 1993 by Peter Doran
Author of this report: Peter Doran
File Period: Jan 24/95 (24) @ 1545 to Aug 7/96 (220) @1700
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: hod956-2

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   divide by 100; multiply by 115.61
7. mean solar flux going up (W/m2)
   divide by 100; multiply by 116.41
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)

11. standard deviation of wind direction (degrees)
    ok
12. maximum wind speed (m/s)
    ok
13. minimum wind speed (m/s)
    ok
* 14. mean ice temp. near surface (C)
    flag; rclow
* 15. mean ice temp. @ ~1 m (C)
    flag; rclow
* 16. mean dTemp 1-3 meters (C)
    bad
17. mean air temp @ 1 meter m (C)
    convert to mV, then clow
18. mean rh @ 1 meter (c)
    ok
19. sample of battery voltage
    o1

*Notes:

1. Exact depth position of ice thermistors unknown (#14 & 15).
2. Thermocouple not installed, ignore #16
3. Heads up for 1996 overwinter data: station powered down between @ 15:00 and 15:38 to install battery diodes

Filename: hod96003.prn
Station: Howard Glacier Station
Date of Establishment: Nov 20, 1993 by Peter Doran
Author of this report: Peter Doran
File Period: Jan 24/96 (24) @ 1445*
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: hod956-2

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   divide by 100; multiply by 115.61
7. mean solar flux going up (W/m2)
   divide by 100; multiply by 116.41
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   ok
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
* 14. mean ice temp. near surface (C)
   flag; rclow
* 15. mean ice temp. @ ~1 m (C)
   flag; rclow
* 16. mean dTemp 1-3 meters (C)
   bad
17. mean air temp @ 1 meter m (C)
   convert to mV, then clow
18. mean rh @ 1 meter (c)
   ok
19. sample of battery voltage
   o1

*Notes:

1. Exact depth position of ice thermistors unknown (#14 & 15).
2. Thermocouple not installed, ignore #16
3. Heads up for 1996 overwinter data: station powered down between @ 15:00 and 15:38 to install battery diodes

Filename: hod96004.prn
Station: Howard Glacier Station
Date of Establishment: Nov 20, 1993 by Peter Doran
Author of this report: Peter Doran
File Period: Aug 7/96 (220) @ 1715 to Nov 14/96 (319) @1245
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: hod956-2

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   divide by 100; multiply by 115.61
7. mean solar flux going up (W/m2)
   divide by 100; multiply by 116.41
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)

11. standard deviation of wind direction (degrees)
    ok
12. maximum wind speed (m/s)
    ok
13. minimum wind speed (m/s)
    ok
* 14. mean ice temp. near surface (C)
    flag; rclow
* 15. mean ice temp. @ ~1 m (C)
    flag; rclow
* 16. mean dTemp 1-3 meters (C)
    bad
17. mean air temp @ 1 meter m (C)
    convert to mV, then clow
18. mean rh @ 1 meter (c)
    ok
19. sample of battery voltage
    o1

*Notes:

1. Exact depth position of ice thermistors unknown (#14 & 15).
2. Thermocouple not installed, ignore #16

Filename: hod96701.dat
Station: Howard Glacier Station
Date of Establishment: Nov 20, 1993 by Peter Doran
Author of this report: Peter Doran
File Period: Nov 14/96 (319) @ 1315 to Jan 20/97 (20) @ 1415
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: hod956-2

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   divide by 100; multiply by 115.61
7. mean solar flux going up (W/m2)
   divide by 100; multiply by 116.41
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)

11. standard deviation of wind direction (degrees)
    ok
12. maximum wind speed (m/s)
    ok
13. minimum wind speed (m/s)
    ok
* 14. mean ice temp. near surface (C)
    flag; rclow
* 15. mean ice temp. @ ~1 m (C)
    flag; rclow
* 16. mean dTemp 1-3 meters (C)
    bad
17. mean air temp @ 1 meter m (C)
    convert to mV, then clow
18. mean rh @ 1 meter (c)
    ok
19. sample of battery voltage
    o1

*Notes:

1. Exact depth position of ice thermistors unknown (#14 & 15).
2. Thermocouple not installed, ignore #16

Filename: hod96702.dat
Station: Howard Glacier Station
Date of Establishment: Nov 20, 1993 by Peter Doran
Author of this report: Peter Doran
File Period: Jan 20/97 (20) @ 1430 to Jan 27/97 (27) @ 1230
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: hod956-2

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   divide by 100; multiply by 115.61
7. mean solar flux going up (W/m2)
   divide by 100; multiply by 116.41
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)

11. standard deviation of wind direction (degrees)
    ok
12. maximum wind speed (m/s)
    ok
13. minimum wind speed (m/s)
    ok
* 14. mean ice temp. near surface (C)
    flag; rclow
* 15. mean ice temp. @ ~1 m (C)
    flag; rclow
* 16. mean dTemp 1-3 meters (C)
    bad
17. mean air temp @ 1 meter m (C)
    convert to mV, then clow
18. mean rh @ 1 meter (c)
    ok
19. sample of battery voltage
    o1

*Notes:

1. Exact depth position of ice thermistors unknown (#14 & 15).
2. Thermocouple not installed, ignore #16

Filename: hoe96001.prn
Station: Lake Hoare met station
Date of Establishment: Dec 1, 1993 by Peter Doran
Author of this report: Peter Doran
File Period: Jan 24/96 (24) @ 11:00 to Aug 23 (236) @ 230*
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program Name: hoe956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   flag
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean P.A.R. (micromols/s/m2)
   divide by 200, multiply by 289.95
15. sample precipitation (mm)
   ok
16. sample station barometric pressure (mbar)
   ok
17. mean temperature difference 1-3 m (C)
   Multiply by -1
18. sample of battery voltage
   o1

*Notes:

1. 2nd battery and diode wiring added at end of file period.

Lake Hoare Station: Heads-up Notes for 1996 Overwinter data

1. Station powered down between ~18:15 to 18:45 on Jan 24/96 (24) to install battery diode wiring.

2. No program running between ~18:45 and 23:00 on Jan 24/96 (24).

3. Day and time improperly set at 23:00 on Jan24/96. Proper time and day reset on Jan 27/96. At time of reset these values were noted:

	CR10 (not correct)	Reset to Local time
Day	26	27
Time	21:37	09:37

Filename: hoe96002.prn
Station: Lake Hoare met station
Date of Establishment: Dec 1, 1993 by Peter Doran
Author of this report: Peter Doran
File Period: July 7/96 (189) @ 230 to Nov 15/96 (320) @ 1115 *
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program Name: hoe956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   flag
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean P.A.R. (micromols/s/m2)
   divide by 200, multiply by 289.95
15. sample precipitation (mm)
   ok
16. sample station barometric pressure (mbar)
   ok
17. mean temperature difference 1-3 m (C)
   Multiply by -1
18. sample of battery voltage
   o1

*Notes:

1. Time line not continuous from start of file to ~day 237.
2. Looks like some bad data throughout

Filename: hoe96701.prn
Station: Lake Hoare met station
Date of Establishment: Dec 1, 1993 by Peter Doran
Author of this report: Peter Doran
File Period: Nov 15/96 (320) @ 1130 to Jan 26/97 (26) @ 1415
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program Name: hoe956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
* 10. resultant mean wind direction (degrees from north)
   flag
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean P.A.R. (micromols/s/m2)
   divide by 200, multiply by 289.95
15. sample precipitation (mm)
   ok
16. sample station barometric pressure (mbar)
   ok
17. mean temperature difference 1-3 m (C)
   Multiply by -1
18. sample of battery voltage
   o1

*Notes:

Filename: tar96001.prn
Station: Taylor Glacier Station
Date of Establishment: Nov 21, 1994 by Peter Doran
Author of this report: Peter Doran
File Period: Jan 25/96 (25) @ 1000*
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: tar956-3

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   divide by 100; multiply by 116.01
7. mean solar flux going up (W/m2)
   divide by 100; multiply by 116.96
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   flag
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean air temp. @ 1 m (C)
   rclow
15. mean RH @ 1 m (%)
   rclow
16. mean incoming IR pyrgeometer output (pins A-B) (W/m2)
   divide by 250; multiply by 248.76
17. mean incoming IR hemisphere temp. (pins A-C) (mv)
   Eppley
18. mean incoming IR thermopile output (pins F-G)(W/m2)
   Eppley
19. mean incoming IR case temp. (pins E-D)(mv)
   Eppley
* 20. mean thermal infrared-skin temperature(C)
   bad
* 21. mean ice temp. @ 20 cm (C)
   flag; rclow

* 22. mean ice temp. @ 1 m (C)
flag; rclow
* 23. mean dTemp 1-3 meters (from t.c. wire) (C)
bad
24. sample of battery voltage
o1

*Notes:
1. Thermal Infrared not wired; ignore # 20
2. Exact depth position of ice thermistors unknown (#21 & 22).
3. Thermocouple not wired; ignore #23
4. Diode wiring and 2nd battery installed.
5. Heads up for 1996 winter data: station powered down between 09:55 and 10:20 on Jan 25/96 to install battery diodes.

Filename: tar96002.prn
Station: Taylor Glacier Station
Date of Establishment: Nov 21, 1994 by Peter Doran
Author of this report: Peter Doran
File Period: Jan 25/96 (25) @ 1045 to June 28 (180) @ 1315*
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: tar956-3

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   divide by 100; multiply by 116.01
7. mean solar flux going up (W/m2)
   divide by 100; multiply by 116.96
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   flag
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean air temp. @ 1 m (C)
   rclow
15. mean RH @ 1 m (%)
   rclow
16. mean incoming IR pyrgeometer output (pins A-B) (W/m2)
   divide by 250; multiply by 248.76
17. mean incoming IR hemisphere temp. (pins A-C) (mv)
   Eppley
18. mean incoming IR thermopile output (pins F-G)(W/m2)
   Eppley
19. mean incoming IR case temp. (pins E-D)(mv)
   Eppley
* 20. mean thermal infrared-skin temperature(C)
   bad
* 21. mean ice temp. @ 20 cm (C)
   flag; rclow

* 22. mean ice temp. @ 1 m (C)
flag; rclow
* 23. mean dTemp 1-3 meters (from t.c. wire) (C)
bad
24. sample of battery voltage
o1

*Notes:
1. Thermal Infrared not wired; ignore # 20
2. Exact depth position of ice thermistors unknown (#21 & 22).
3. Thermocouple not wired; ignore #23
4. Diode wiring and 2nd battery installed.
5. Heads up for 1996 winter data: station powered down between 09:55 and 10:20 on Jan 25/96 to install battery diodes.

Filename: tar96003.prn
Station: Taylor Glacier Station
Date of Establishment: Nov 21, 1994 by Peter Doran
Author of this report: Peter Doran
File Period: Dec 18 (353) @ 1800 to Dec 18 (353) @ 1815*
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: tar956-3

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   divide by 100; multiply by 116.01
7. mean solar flux going up (W/m2)
   divide by 100; multiply by 116.96
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   flag
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean air temp. @ 1 m (C)
   rclow
15. mean RH @ 1 m (%)
   rclow
16. mean incoming IR pyrgeometer output (pins A-B) (W/m2)
   divide by 250; multiply by 248.76
17. mean incoming IR hemisphere temp. (pins A-C) (mv)
   Eppley
18. mean incoming IR thermopile output (pins F-G)(W/m2)
   Eppley
19. mean incoming IR case temp. (pins E-D)(mv)
   Eppley
* 20. mean thermal infrared-skin temperature(C)
   bad
* 21. mean ice temp. @ 20 cm (C)
   flag; rclow

* 22. mean ice temp. @ 1 m (C)
flag; rclow
* 23. mean dTemp 1-3 meters (from t.c. wire) (C)
bad
24. sample of battery voltage
o1

*Notes:
1. Thermal Infrared not wired; ignore # 20
2. Exact depth position of ice thermistors unknown (#21 & 22).
3. Thermocouple not wired; ignore #23
4. Dates are not possible for given period of winter collection (days 25 to 318, 1996)

Filename: tar96004.prn
Station: Taylor Glacier Station
Date of Establishment: Nov 21, 1994 by Peter Doran
Author of this report: Peter Doran
File Period: Dec 18 (353) @ 1830*
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: tar956-3

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   divide by 100; multiply by 116.01
7. mean solar flux going up (W/m2)
   divide by 100; multiply by 116.96
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   flag
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean air temp. @ 1 m (C)
   rclow
15. mean RH @ 1 m (%)
   rclow
16. mean incoming IR pyrgeometer output (pins A-B) (W/m2)
   divide by 250; multiply by 248.76
17. mean incoming IR hemisphere temp. (pins A-C) (mv)
   Eppley
18. mean incoming IR thermopile output (pins F-G)(W/m2)
   Eppley
19. mean incoming IR case temp. (pins E-D)(mv)
   Eppley
* 20. mean thermal infrared-skin temperature(C)
   bad
* 21. mean ice temp. @ 20 cm (C)
   flag; rclow

* 22. mean ice temp. @ 1 m (C)
flag; rclow
* 23. mean dTemp 1-3 meters (from t.c. wire) (C)
bad
24. sample of battery voltage
o1

*Notes:
1. Thermal Infrared not wired; ignore # 20
2. Exact depth position of ice thermistors unknown (#21 & 22).
3. Thermocouple not wired; ignore #23
4. Dates are not possible for given period of winter collection (days 25 to 318, 1996)

Filename: tar96005.prn
Station: Taylor Glacier Station
Date of Establishment: Nov 21, 1994 by Peter Doran
Author of this report: Peter Doran
File Period: Jan 25/96 (25) @ 945
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: tar956-3

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   divide by 100; multiply by 116.01
7. mean solar flux going up (W/m2)
   divide by 100; multiply by 116.96
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   flag
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean air temp. @ 1 m (C)
   rclow
15. mean RH @ 1 m (%)
   rclow
16. mean incoming IR pyrgeometer output (pins A-B) (W/m2)
   divide by 250; multiply by 248.76
17. mean incoming IR hemisphere temp. (pins A-C) (mv)
   Eppley
18. mean incoming IR thermopile output (pins F-G)(W/m2)
   Eppley
19. mean incoming IR case temp. (pins E-D)(mv)
   Eppley
* 20. mean thermal infrared-skin temperature(C)
   bad
* 21. mean ice temp. @ 20 cm (C)
   flag; rclow

* 22. mean ice temp. @ 1 m (C)
flag; rclow
* 23. mean dTemp 1-3 meters (from t.c. wire) (C)
bad
24. sample of battery voltage
o1

*Notes:
1. Thermal Infrared not wired; ignore # 20
2. Exact depth position of ice thermistors unknown (#21 & 22).
3. Thermocouple not wired; ignore #23

Filename: tar96006.prn
Station: Taylor Glacier Station
Date of Establishment: Nov 21, 1994 by Peter Doran
Author of this report: Peter Doran
File Period: Jun 28/96 (180) @ 1345 to Nov 13/96 (318) @ 1100
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: tar956-3

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   divide by 100; multiply by 116.01
7. mean solar flux going up (W/m2)
   divide by 100; multiply by 116.96
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   flag
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean air temp. @ 1 m (C)
   rclow
15. mean RH @ 1 m (%)
   rclow
16. mean incoming IR pyrgeometer output (pins A-B) (W/m2)
   divide by 250; multiply by 248.76
17. mean incoming IR hemisphere temp. (pins A-C) (mv)
   Eppley
18. mean incoming IR thermopile output (pins F-G)(W/m2)
   Eppley
19. mean incoming IR case temp. (pins E-D)(mv)
   Eppley
* 20. mean thermal infrared-skin temperature(C)
   bad
* 21. mean ice temp. @ 20 cm (C)
   flag; rclow

* 22. mean ice temp. @ 1 m (C)
flag; rclow
* 23. mean dTemp 1-3 meters (from t.c. wire) (C)
bad
24. sample of battery voltage
o1

*Notes:
1. Thermal Infrared not wired; ignore # 20
2. Exact depth position of ice thermistors unknown (#21 & 22).
3. Thermocouple not wired; ignore #23

Filename: tar96701.dat
Station: Taylor Glacier Station
Date of Establishment: Nov 21, 1994 by Peter Doran
Author of this report: Peter Doran
File Period: Nov 13/96 (318) @ 1115 to Jan 21/97 (21) @ 1530
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: tar956-3

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   divide by 100; multiply by 116.01
7. mean solar flux going up (W/m2)
   divide by 100; multiply by 116.96
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   flag
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean air temp. @ 1 m (C)
   rclow
15. mean RH @ 1 m (%)
   rclow
16. mean incoming IR pyrgeometer output (pins A-B) (W/m2)
   divide by 250; multiply by 248.76
17. mean incoming IR hemisphere temp. (pins A-C) (mv)
   Eppley
18. mean incoming IR thermopile output (pins F-G)(W/m2)
   Eppley
19. mean incoming IR case temp. (pins E-D)(mv)
   Eppley
* 20. mean thermal infrared-skin temperature(C)
   bad
* 21. mean ice temp. @ 20 cm (C)
   flag; rclow

* 22. mean ice temp. @ 1 m (C)
flag; rclow
* 23. mean dTemp 1-3 meters (from t.c. wire) (C)
bad
24. sample of battery voltage
o1

*Notes:
1. Thermal Infrared not wired; ignore # 20
2. Exact depth position of ice thermistors unknown (#21 & 22).
3. Thermocouple not wired; ignore #23

Filename: tar96702.dat
Station: Taylor Glacier Station
Date of Establishment: Nov 21, 1994 by Peter Doran
Author of this report: Peter Doran
File Period: Jan 21/97 (21)@ 1545 to Jan 28/97 (28) @ 1245
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 minutes
Program name: tar956-3

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   divide by 100; multiply by 116.01
7. mean solar flux going up (W/m2)
   divide by 100; multiply by 116.96
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
   flag
11. standard deviation of wind direction (degrees)
   ok
12. maximum wind speed (m/s)
   ok
13. minimum wind speed (m/s)
   ok
14. mean air temp. @ 1 m (C)
   rclow
15. mean RH @ 1 m (%)
   rclow
16. mean incoming IR pyrgeometer output (pins A-B) (W/m2)
   divide by 250; multiply by 248.76
17. mean incoming IR hemisphere temp. (pins A-C) (mv)
   Eppley
18. mean incoming IR thermopile output (pins F-G)(W/m2)
   Eppley
19. mean incoming IR case temp. (pins E-D)(mv)
   Eppley
* 20. mean thermal infrared-skin temperature(C)
   bad
* 21. mean ice temp. @ 20 cm (C)
   flag; rclow

* 22. mean ice temp. @ 1 m (C)
flag; rclow
* 23. mean dTemp 1-3 meters (from t.c. wire) (C)
bad
24. sample of battery voltage
o1

*Notes:
1. Thermal Infrared not wired; ignore # 20
2. Exact depth position of ice thermistors unknown (#21 & 22).
3. Thermocouple not wired; ignore #23

Filename: vaa96001.prn
Station: Lake Vanda met station
Date of Establishment: November 24, 1994 by Peter Doran
Author of this report: Peter Doran
File Period: Jan 23/96 (23) @ 13:15*
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 min
Program Name: vaa956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
    ok
11. standard deviation of wind direction (degrees)
    ok
12. maximum wind speed (m/s)
    ok
13. minimum wind speed (m/s)
    ok
14. mean P.A.R. (micromols/s/m2)
    divide by 200, multiply by 282.53
15. mean soil temperature @ 0 cm in soil (C)
    rclow
16. mean soil temperature @ 10 cm in soil (C)
    convert to mV, then clow
17. mean Onyx River temperature (C)
    rclow
18. sample of battery voltage
    o1

Notes:

1) 2nd battery and diode wiring installed at beginning of file period.
2) Heads up for overwinter data: station powered down between 13:25 and 14:10 hours on 1/23/96 to install diodes.
3) RH Campbell: 21%; RH Sling Pyschrometer: 28% on 1/23/96

Filename: vaa96002.prn
Station: Lake Vanda met station
Date of Establishment: November 24, 1994 by Peter Doran
Author of this report: Peter Doran
File Period: Jan 23/96 (23) @ 1430 to Aug 17/96 (230) @ 1330*
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 min
Program Name: vaa956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
    ok
11. standard deviation of wind direction (degrees)
    ok
12. maximum wind speed (m/s)
    ok
13. minimum wind speed (m/s)
    ok
14. mean P.A.R. (micromols/s/m2)
    divide by 200, multiply by 282.53
15. mean soil temperature @ 0 cm in soil (C)
    rclow
16. mean soil temperature @ 10 cm in soil (C)
    convert to mV, then clow
17. mean Onyx River temperature (C)
    rclow
18. sample of battery voltage
    o1

Notes:

1) 2nd battery and diode wiring installed at end of file period.
2) Heads up for overwinter data: station powered down between 13:25 and 14:10 hours on 1/23/96 to install diodes.
3) RH Campbell: 21%; RH Sling Pyschrometer: 28% on 1/23/96

Filename: vaa96003.prn
Station: Lake Vanda met station
Date of Establishment: November 24, 1994 by Peter Doran
Author of this report: Peter Doran
File Period: Aug 17/96 (230) @ 1330 to Nov 13/96 (318) @ 1300
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 min
Program Name: vaa956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
    ok
11. standard deviation of wind direction (degrees)
    ok
12. maximum wind speed (m/s)
    ok
13. minimum wind speed (m/s)
    ok
14. mean P.A.R. (micromols/s/m2)
    divide by 200, multiply by 282.53
15. mean soil temperature @ 0 cm in soil (C)
    rclow
16. mean soil temperature @ 10 cm in soil (C)
    convert to mV, then clow
17. mean Onyx River temperature (C)
    rclow
18. sample of battery voltage
    o1

Filename: vaa96701.dat
Station: Lake Vanda met station
Date of Establishment: November 24, 1994 by Peter Doran
Author of this report: Peter Doran
File Period: Nov 13/96 (318) @ 1330 to Jan 28/97 (28) @ 1445
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 min
Program Name: vaa956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
    ok
11. standard deviation of wind direction (degrees)
    ok
12. maximum wind speed (m/s)
    ok
13. minimum wind speed (m/s)
    ok
14. mean P.A.R. (micromols/s/m2)
    divide by 200, multiply by 282.53
15. mean soil temperature @ 0 cm in soil (C)
    rclow
16. mean soil temperature @ 10 cm in soil (C)
    convert to mV, then clow
17. mean Onyx River temperature (C)
    rclow
18. sample of battery voltage
    o1

Filename: via96001.prn
Station: Lake Vida met station
Date of Establishment: November 24, 1995 by Peter Doran
Author of this report: Peter Doran
File Period: Jan 23/96 (23) @1530 to Oct 21/96 (295) @ 1830
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 min
Program Name: via956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
    ok
11. standard deviation of wind direction (degrees)
    ok
12. maximum wind speed (m/s)
    ok
13. minimum wind speed (m/s)
    ok
14. mean P.A.R. (micromols/s/m2)
    divide by 200, multiply by 291.00
15. mean soil temperature @ 0 cm in soil (C)
    rclow
16. mean soil temperature @ 5 cm in soil (C)
    rclow
17. mean soil temperature @ 10 cm in soil (C)
    convert to mV, then clow
18. sample of battery voltage
    o1

Filename: via96002.prn
Station: Lake Vida met station
Date of Establishment: November 24, 1995 by Peter Doran
Author of this report: Peter Doran
File Period: Oct 21/96 (295) @ 1930 to Nov 9/96 (314) @ 1400
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 min
Program Name: via956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
    ok
11. standard deviation of wind direction (degrees)
    ok
12. maximum wind speed (m/s)
    ok
13. minimum wind speed (m/s)
    ok
14. mean P.A.R. (micromols/s/m2)
    divide by 200, multiply by 291.00
15. mean soil temperature @ 0 cm in soil (C)
    rclow
16. mean soil temperature @ 5 cm in soil (C)
    rclow
17. mean soil temperature @ 10 cm in soil (C)
    convert to mV, then clow
18. sample of battery voltage
    o1

Filename: via96701.dat
Station: Lake Vida met station
Date of Establishment: November 24, 1995 by Peter Doran
Author of this report: Peter Doran
File Period: Nov 9/96 (314) @ 1615* to Jan 25/97 (25) @ 1300
Sampling Frequency: every 1 secs.; others: every 30 secs.
Averaging and Output Interval: every 15 min
Program Name: via956-1

1. array I.D.
   o1
2. day
   ok
3. time
   ok
4. mean air temp. @ 3 meters
   rclow
5. mean R.H. @ 3 meters (%)
   ok
6. mean solar flux coming down (W/m2)
   ok
7. mean solar flux going up (W/m2)
   ok
8. mean horizontal wind speed (m/s)
   ok
9. resultant mean wind speed (m/s)
   o1
10. resultant mean wind direction (degrees from north)
    ok
11. standard deviation of wind direction (degrees)
    ok
12. maximum wind speed (m/s)
    ok
13. minimum wind speed (m/s)
    ok
14. mean P.A.R. (micromols/s/m2)
    divide by 200, multiply by 291.00
15. mean soil temperature @ 0 cm in soil (C)
    rclow
16. mean soil temperature @ 5 cm in soil (C)
    rclow
17. mean soil temperature @ 10 cm in soil (C)
    convert to mV, then clow
18. sample of battery voltage
    o1

notes:

1) first array is time stamped 313@2400. Should be deleted.
2) time gap between this file and previous one.