

AUG. 15/08

SELECTING LOWER SITE LANDFILL THERMISTORS

VT-9 (LOWEST/NORTH)

VT-10

VT-11

VT-12 (HIGHEST/SOUTH)

PROGRAMMING CHECK

① CONFIG MODE

↳ SUMMARY TAB

- RECORD VOLTAGE

- SAMPLING RATE $\Rightarrow$ 12 hrs

- CHECK TIME & DATE

② CORRECT TIME & DATE (IF
REQUIRED)

CLOCK TAB

↳ SET DATAWALKER CLOCK

③ CHECK REPROGRAMMING

NUMBER - Last 2 digits of datawalker
serial number

SAMPLING - 12 hrs

"STOP WITH MEMORY FULL"

- WARM UP TIME = 0.21 sec w
no delay
- MULTIPLEXER $\Rightarrow$ ENABLE
- ENABLE CHANNEL 1-16
- STROBE - NOT CHECKED
- START IMMEDIATELY
- CHECK DOUBLE PRECISION
- EXCEPTION $\Rightarrow$ SOURCE MONITOR
- NO MIN, MAX OR DIGITAL INPUT

VT-12 $\Rightarrow$ DOWNLOADED AT 12:15PM

CHANNEL	TEMP (FROM COMPUTER)	VOLTAGE (FROM MULTIMETER)
1	15.78°C	1.41V
2	10.5°C	1.26V
3	6.7°C	1.14V
4	5.3°C	1.10V
5	2.97°C	1.03V
6	0.02°C	0.94V
7	-1.35°C	0.90V
8	-2.58°C	0.86V
9	-4.08°C	0.82V
10	-5.36°C	0.78V
11	-5.37°C	0.78V

- VT-12 BATTERY VOLTAGE
MAIN = 11.34V
Aux. = 13.38V
- RESET CLOCK TO 12:30PM
- PROGRAMMED DATA LOGGER AFTER
CHARGING AND CHARGING
STOP WHEN MEMORY FULL TO ON.
- RESTARTED DATA LOGGER

VT-11 DOWNLOADED AT 12:45PM
BATTERY MAIN 11.34V
Aux. 13.63V

- DOWNLOADED 511 WORDPAR FILE
25,227 DATA FILES

CHANNEL	TEMP	VOLTAGE
1	24.93°C	1.39V
2	7.40°C	1.17V
3	5.84°C	1.12V
4	4.51°C	1.07V
5	1.81°C	0.99V
6	-0.51°C	0.92V
7	-2.06°C	0.88V
8	-3.25°C	0.85V
9	-4.08°C	0.82V
10	-2.84°C	0.86V

- CHECKED PROGRAMMING AND DATE
- UPDATED CLOCK TO 1:00PM
- CHECKED "STOP WHEN MEMORY FULL"
- RESTARTED DATALOGGER

VT-10 DOWNLOAD AT 1:30PM

- BATTERY MAIN = 11.34V
AUX = 12.53V
- DOWNLOADED 511 NOTEPAD FILES
25,229 DATA FILES

CHANNEL	TEMP. (°C)	VOLTAGE
1	14.04	1.37
2	7.42	1.17
3	4.23	1.07
4	2.55	1.02
5	1.85	0.99
6	-0.08	0.94
7	-1.53	0.89
8	-2.75	0.86
9	-4.53	0.809
10	-5.19	0.79

- CHECKED PROGRAMMING & DATE
- UPDATED CLOCK AND CHECKED "STOP WHEN FULL"
- RESTARTED DATALOGGER

VT-9 DOWNLOAD AT 2:00PM/2:30

BATTERY MAIN = 11.34V

AUX = 13.50V

DOWNLOADED 511 NOTEPAD FILES
25,229 DATA FILES

CHANNEL	TEMP (°C)	VOLTAGE (V)
1	16.17 15.99	1.423
2	12.98 13.21	1.34
3	6.05 6.09	1.12
4	4.49 4.49	1.079
5	1.95 1.95	1.002
6	-0.58 -0.58	0.925
7	-1.90 -1.90	0.886
8	-3.16 -3.16	0.849
9	-4.44 -4.44	0.811
10	-5.37 -5.37	0.785

- CHECKED PROGRAMMING & DATE
- UPDATED CLOCK & CHECKED "STOP WHEN FULL"
- RESTARTED DATALOGGER

NOTE: COMPUTER BATTERY DIED DURING 1ST ATTEMPT TO DOWNLOAD VT-9, CHANGED BATTERY.

VT-4 DOWNLOADING AT 3:50PM
 BATTERY MAIN 11.34V
 AUX 13.63V

CHANNEL	TEMP (°C)	VOLT
1	13.69	1.35
2	9.55	1.23
3	5.037	1.09
4	3.41	1.04
5	1.19	0.97
6	-1.14	0.91
7	-2.52	0.87
8	-4.04	0.82
9	-5.19	0.79
10	-5.33	0.78

- CHECKED PROGRAMMING
- UPDATED CLOCK & CHECKED "STOP WHEN FULL"
- RESTARTED DATA LOGGER

WEATHER: BECOMING
 OVERCAST COOL WIND,
 ABOUT 2°C

VT-3 DOWNLOADED AT 4:10PM
 BATTERY MAIN 11.34V
 AUX 13.5V

CHANNEL	TEMP (°C)	VOLT (V)
1	14.23	
2	9.15	
3	4.09	
4	2.27	
5	0.001	
6	-1.46	
7	-2.80	
8	-4.16	
9	-5.32	
10	-6.69	
11	-7.62	
12	-8.15	

- CHECKED PROGRAMMING
- UPDATED CLOCK & CHECKED "STOP WHEN FULL"
- RESTARTED DATA LOGGER

VT-2 DOWNLOADED STATION AT 4:20
 BAT. MAIN 11.34V
 AUX 12.77V

CHANNEL	TEMP (°C)	VOLT (V)
1	11.22	
2	8.94	
3	5.27	
4	3.98	
5	1.36	
6	-0.90	
7	-2.55	
8	-3.66	
9	-4.82	
10	-6.22	
11	-7.55	

- CHECKED PROGRAMMING
- UPDATED CLOCK & CHECKED "STOP WHEN FULL"
- RESTARTED DATA LOGGER
- CHANGED SITE FROM 1 TO 2

VT-1 DOWNLOADED AT 4:35 PM
 BATT MAIN 11.34V
 AUX 12.29V

CHANNEL	TEMP (°C)	VOLT (V)
1	10.12	
2	12.50	
3	5.57	
4	4.83	
5	4.45	
6	3.31	
7	-0.23	
8	-2.36	
9	-3.92	
10	-5.21	
11	-6.37	
12	-5.93	
13	-4.85	

- CHECKED PROGRAMMING
- CHANGED SITE-1 TO VT-1
- UPDATED CLOCK & CHECKED "STOP WHEN FULL"
- RESTARTED DATA LOGGER

VT-8 DOWNLOADED AT 4:55AM

BAT. MAIN 11.34V
 AUX 13.02V

CHANNEL	TEMP (°C)
1	11.33
2	9.42
3	4.93
4	3.17
5	0.201
6	-1.84
7	-3.60
8	-4.82
9	-5.73
10	-6.57

- CHECKED PROGRAMMING
- UPDATED CLK AND "STOP WHEN FULL"
- RESTARTED DATA LOGGING

WEATHER / TEMP. $\Rightarrow$ VERY WINDY,
 $\sim 0^{\circ}\text{C}$, COLD

VT-5 DOWNLOADED AT 5:10PM

BAT. MAIN 11.34V
 AUX 13.14V

CHANNEL	TEMP (°C)
1	8.43
2	10.86
3	3.37
4	1.41
5	-0.51
6	-2.31
7	-3.42
8	-4.44
9	-5.50
10	-6.35
11	-7.13
12	-7.86
13	-8.02

- CHECKED PROGRAMMING
- UPDATED CLK & "STOP WHEN FULL"
- RESTARTED DATA LOGGING

VT-6 DOWNLOADED AT 5:25 PM
 BATTERY MAIN 11.34V
 AUX 13.02V

CHANNEL	TEMP (°C)
1	9.92
2	9.44
3	4.86
4	3.09
5	0.201
6	-1.45
7	-3.00
8	-4.26
9	-5.36
10	-5.58

- CHECKED PROGRAMMING
- CHANGED CLOCK & "STOP WHEN FULL"
- RESTARTED DATA LOGGER

VT-7 DOWNLOADED AT 5:40 PM
 BATTERY MAIN 11.34V
 AUX 13.14V

CHANNEL	TEMP (°C)
1	4.55
2	2.36
3	-0.39
4	-1.98
5	-3.32
6	-4.48
7	-5.45
8	-6.49
9	-7.39
10	-8.14
11	-8.69
12	-9.25
13	-9.65
14	-9.98
15	-9.78
16	-9.40

- CHECKED PROGRAMMING
- CHANGED/UPDATED CLOCK AND
 CHECKED "STOP WHEN FULL"
- RESTARTED DATA LOGGER