21/10/84 - LITHGOW NO. 10 TUNNEL - DOWN DIRECTION
SYDNEY END

(1) BAROMETER, ANEMOMETER AND WET/DRY BULB READINGS - 60mins
Before train arrival near Portal

TIME	BAROMETER	AIR VEL.
1425	704.5 mm Hg	3 m/sec

(2) READINGS AT 250 and 400m mark

TIME	BAROMETER	AIR VEL.	WET BULB	DRY BULB	
1440	704 mm Hg	3 m/sec	5.5	7	- 400m
1445	704 mm Hg	3 m/sec	5.5	75	- 250m

(3) READINGS AT NO.10 TUNNEL - 10m Down Tunnel Entrance

TIME	AIR VEL. m/sec		AIR PRESSURE mm Hg
1458	2	AIR FLOW East to West	706
1506	3	"	705
1513	2.8	"	705
1516	3.5	"	706
1521	3	"	706
1526 (TRAIN ARRIVING)	3.5	"	701
1527	1	"	708
1528	0	AIR FLOW REMAINDER OF TEST East to	709
1529	0	West	709
1530	0		710
1530/15sec	0.5		709
1531	0.8		709
1532	1		706
1533	1.2		706
1534	1.8		706
1535	1.6		706
1535/45sec	0		708
1536	0		709
1537	0		708
1538	0.1		707
1539	0		706
1540	2		706
1541	1		708
1542	0.5		707

Time	Air Vel. m/sec	Air Pressure — Hg
1543	2	706
1544	2	705
1545	2.2	705
1546	2	705

21/8/84 - LITGOW NO. 10 TUNNEL - DOWN DIRECTION
AIR FLOWS TAKEN 10 METRES FROM TUNNEL ENTRANCE LITHGOW END

TIME: 3·26 p.m. AIR FLOW: 1 m/sec. (Train at Braking Point in Tunnel)
3·27 p.m. 3·5 m/sec (Train at Dial. 4 Position)

NOTE: BETWEEN 3·26 p.m. and 3·27 p.m. AIR FLOW REACHED 5 m/sec.
NOTE ALSO: TRAIN WAS AT A STOP AT 3·26 p.m. and FROM THIS POINT UNTIL 4·21 p.m. AT WHICH TIME THE TRAIN MOVED OFF NIL AIR FLOW WAS RECORDED.
AT 4·21 p.m. AS TRAIN WAS MOVING OFF 2 m/sec. was RECORDED
AT 4·22 p.m. TRAIN HAD LEFT TEST SITE AND NIL AIR FLOW WAS RECORDED.
NOTE: ALL AIR FLOW WAS IN THE DIRECTION OF TRAIN TRAVEL.

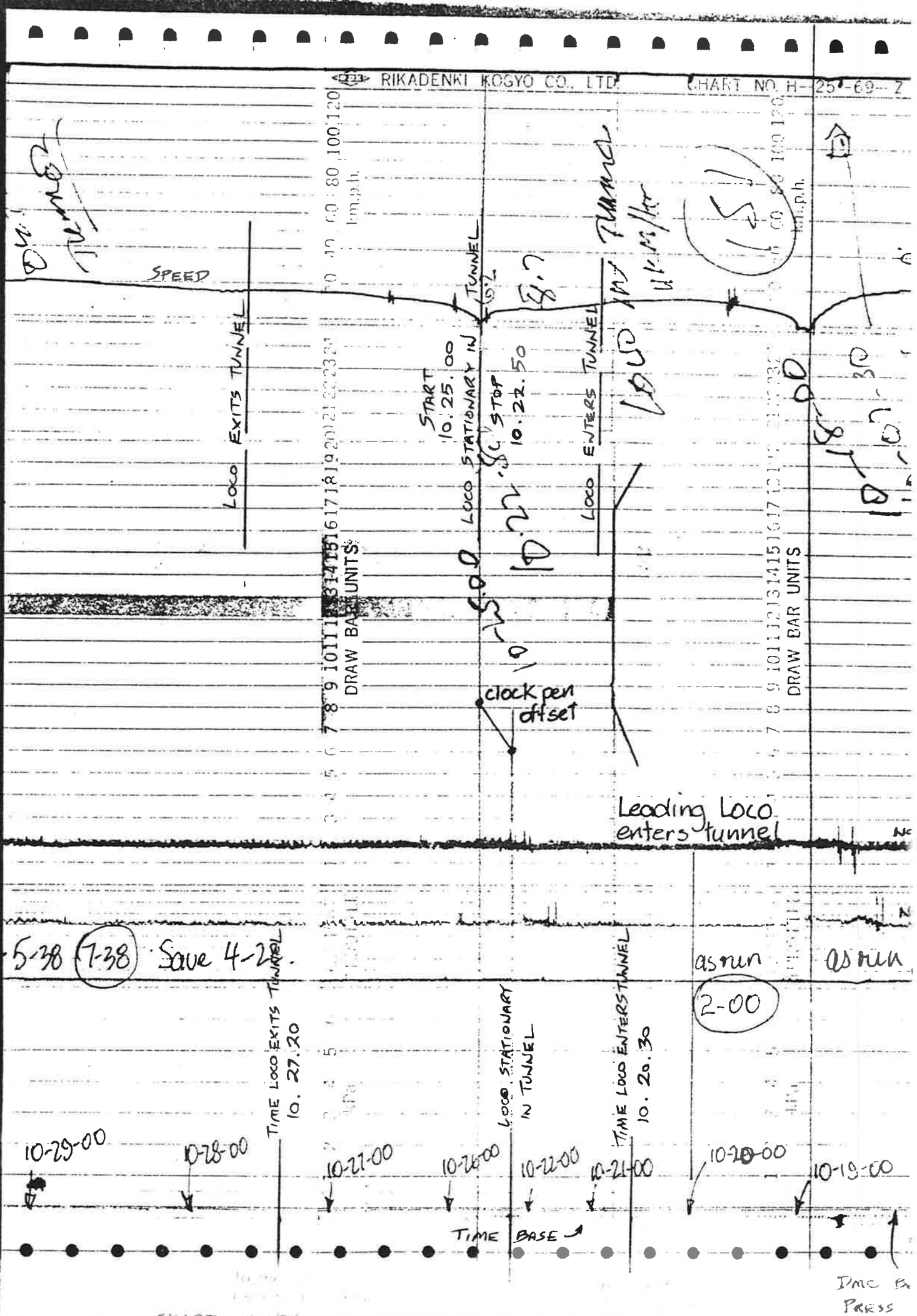
NOTE: LOADED TRAIN IN UP DIRECTION RECORDED NIL AIR FLOW ON APPROACHING BEING STATIONARY and DEPARTING TEST SITE.
RECORDING TIMES WERE BETWEEN 10:18 p.m. and 10:28 p.m.

Lithgow No 10 Tunnel Air Flow Measurement Results in the UP Direction 21-8-84

Time (pm)	Velocity Air (M/s)	Wind Direction	Barometer Reading (mmHg)	Dry Bulb Temp (°C)	Wet Bulb Temp (°C)	Position
9:42	2	East to West	708	6	4	Compsite
9:58	1	"	710	6·5	5	400M
10:02	0		708	6·5	4·5	250M
10:10	0		706			10M Outside Tunnel Entrance
10:12	1	"				
10:15	0	"	707			"
10:16	0	"				
10:20	0·5	"	706·5			"
10:21	1	"	707			"
10:22	0·5	"				"
10:23	0	"	708			"
10:24	0·1	"	707			
10:25	0	"	707			
10:26	0·5	"	"			
10:27	0·5	West to East	"			
10:28	1	East to West	"			
10:30	0·5	"	"			
10:31	0		"			
10:32	0		"			
10:33	0·5	"	"			
10:34	0		"			
10:35	0		"			
10:36	0		708			
10:37	0					
10:38	0					
10:39	0					
10:40	0					

START TEST 21/8/84

TIMES INDICATED ARE AS RECORDED BY DYNAMOMETER CAR.



5030

TELEPHONE MESSAGE

JOB

FILE 8/6

PHONE CALL TO/~~FROM~~ P ROBINSON

TIME 12.15

OF SKA.

PHONE

DATE 11/10/84.

DETAILS OF MESSAGE:

(1) TIME DISCREPANCY : TEST No 2. DYNAMOMETER CAR TIMES AGREE REASONABLY WITH STEVE WHITE'S TIMES. IE. TEST SHEET 20/8/84. ∴ RESULTS IN SEQUENCE OF EVENTS IN LETTER 28/8/84 NOT CORRECT.

	STEVE WHITE	DYNA./ CAR
TRAIN STOPS.	10 : 22 : 40	10: 22: 50
TRAIN START	10 : 24 : 53	10 : 25 : 00

(2) AIR QUALITY DATA & REPORT FORWARDED TO SKA TODAY. MAY REQUIRE FURTHER EXPLANATION FROM B. VALLENTINE.

(3) SMEE CLAIM FEES: VENTILATION. PR MADE NOTES, REQUIRES TO TALK WITH EVAN TAYLOR THEN WILL DISCUSS WITH ME. BY 16/11/84.

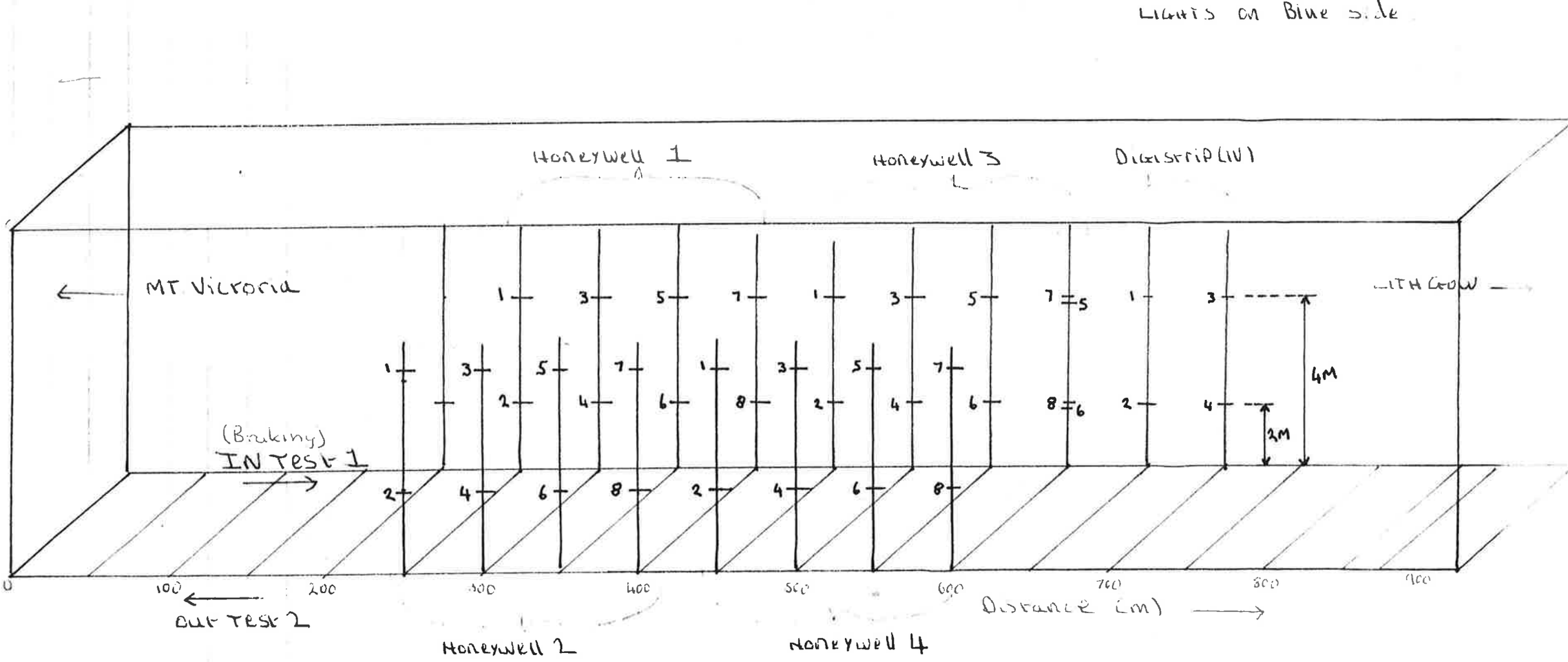
BY: J Dullon.

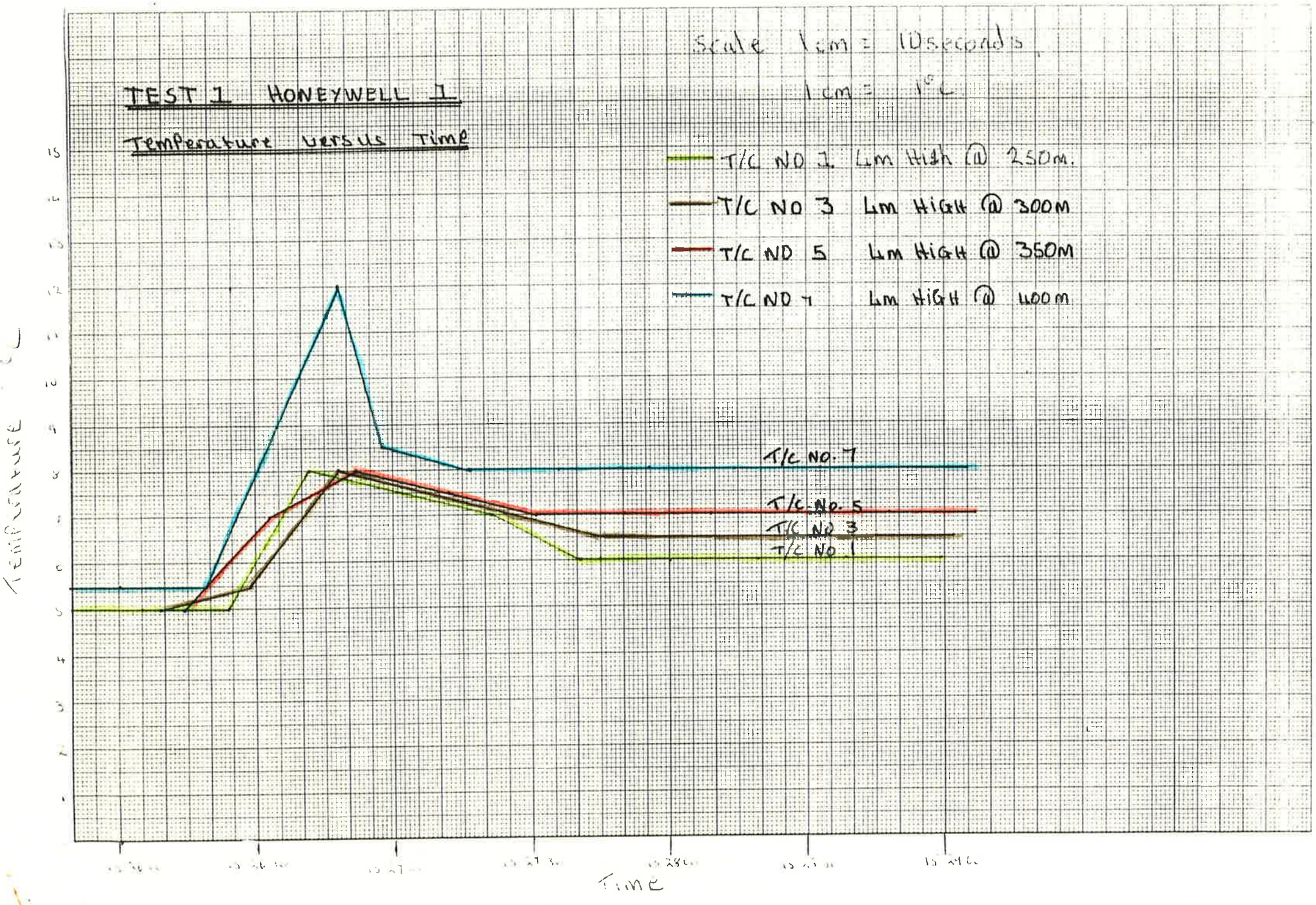
CIRCULATION & ACTION

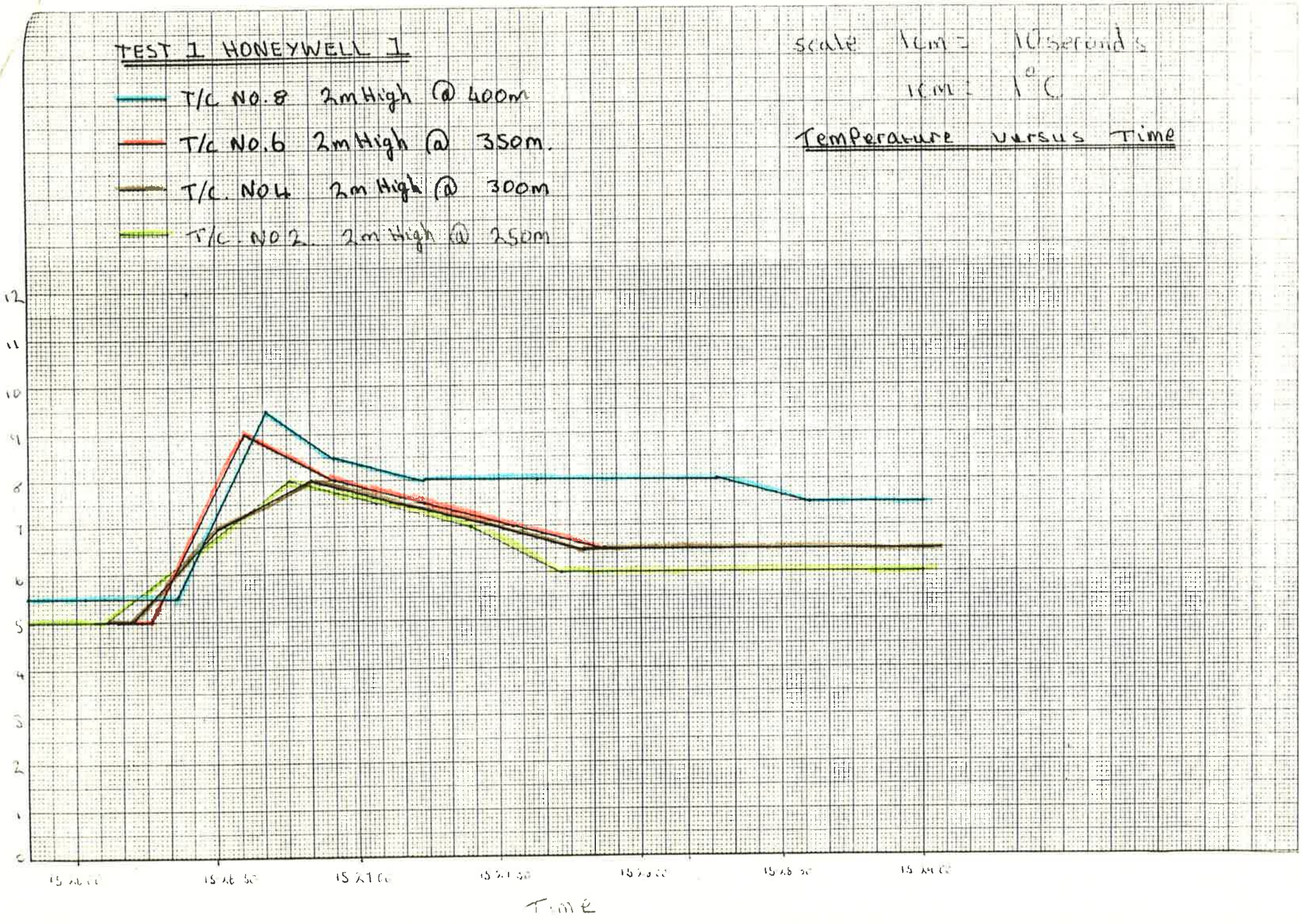
NAME	ACTION REQUIRED	INIT'	DATE
G B.	ADVISE SMEE OF (1)	?	
GB.	SEND COPY OF SMEE'S REPORTS TO PR FOR COMMENT.	?	

ZIG ZAG NO. 10 Tunnel

Thermocouples Locations — Distance




TEST 1 HONEYWELL 1
Temperature versus Time
Scale 1cm = 10seconds
1cm = 1°C
T/C NO 1. 1m High @ 250m.
T/C NO 3 1m HIGH @ 300M
T/C NO 5 1m HIGH @ 350M
T/C NO 7 1m HIGH @ 400m
T/C NO. 7
T/C No. 5
T/C NO 3
T/C No 1
Temperature
Time


TEST 1 HONEYWELL 1
T/C NO.8 2m High @ 400m
T/C NO.6 2m High @ 350m.
T/C NO4 2m High @ 300m
T/C NO 2. 2m High @ 250m
scale 1cm = 10seconds
1cm = 1°C
Temperature versus Time
Temperature °C
Time

TEST 1 Honeywell 1

Time	T.C NO	Temp °C	Time	T.C NO	Temp °C	Time	T.C NO	Temp °C
14 46 00	7	55	14.47.26.4	3	50	15.26.28.8	3	55
14.46 02 4	8	60	14 47.28.8	4	50	15.26.31.7	4	70
14 46 04 8	1	50	14 47.31.7	5	50	15.26.33.6	5	70
14 46 07 2	2	50	14 47 33.6	6	55	15 26.36.00	6	90
14 46 09 6	3	50	14.47.3600	7	55	15.26.38.4	7	120
14 46 12 00	4	50	14.47.38.4	8	55	15 26 40.8	8	95
14 46 14 4	5	50	14.47.40.8	1	50	15.26.43.2	1	80
14 46 16 8	6	50	14 47 43 2	2	50	15.26.45.6	2	80
14 46 19 2	7	50	14.47.45.6	3	50	15.26.48.0	3	80
14 46 21 6	8	55	14.47.48.0	4	50	15.26.50.4	4	80
14 46 24 00	1	50	14 47.50.4	5	50	15 46 52.4	5	80
14 46 26 4	2	50	14.47.52.8	6	55	15 26.55.2	6	80
14 46 28 8	3	50	14.47.55 2	7	55	15.26.57.6	7	85
14 46 31 2	4	50	14 47.57.6	8	55	15 27 00	8	85
14 46 33 6	5	50	14.48.00	1	50	15.27.02.4	1	75
14 46 36 00	6	50	14.48.02.4	2	50	15 27.04.8	2	75
14 46 38 4	7	55	14 48.04.8	3	50	15 27.07.2	3	75
14 46 40 8	8	55	14 48.07.2	4	50	15 27.04.6	4	75
14 46 43 2	1	50	14.48.04.6	5	50	15.27.12.00	5	75
14 46 45 6	2	50	14 48.12.00	6	55	15.27.14.4	6	75
14 46 48 0	3	50	14.48.14.4	7	55	15 27.16.8	7	80
14 46 50 4	4	50	14.48.16.8	8	55	15 27.14.2	8	80
14 46 52 8	5	55	Temperature remains constant ±025°C until next reading			15 27.21.6	1	70
14 46 55 2	6	55				15.27.2400	2	70
14 46 57 6	7	60	15 26 00	7	55	15 27.26.4	3	70
14 47 00	8	60	15.26.02.4	8	55	15 27 28.8	4	70
14 47 02 4	1	50	15 26.04.8	1	50	15 27.31.2	5	70
14 47.04 8	2	50	15 26 07.2	2	50	15 27.33 6	6	70
14.47.07.2	3	50	15.26.09.6	3	50	15 27.36.00	7	80
14.47.09.6	4	50	15.26.12.00	4	50	15.27.38.4	8	80
14.47.12.00	5	50	15.26.14.4	5	50	15.27.40.8	1	60
14.47.14.4	6	50	15 26.16.8	6	50	15 27.43.2	2	60
14.47.16.8	7	50	15.26.14.2	7	55	15 27.45.6	3	60
14 47.14.2	8	55	15.26.21.6	8	55	15.27.48.0	4	65
							5	70
							6	70

Time	T.C No.	Temp °C
15 27 55.2	7	8 0
15 27 57.6	8	8.0
15 28 00	1	6 0
15 28 02.4	2	6.0
1528 04 8	3	6.5
15 28 07.2	4	6.5
15.28.09.6	5	7.0
15.28.12.00	6	7.0
15.28 14.4	7	8 0
15.28 16.8	8	8.0
15.28.19.2	1	6.0
15 28. 21.6	2	6.0
15.28.24.00	3	6.5
15.28.26.4	4	6.5
15.28.28.8	5	7 0
15.28 31.2	6	7 0
15 28 33.6	7	8 0
15.28.36.00	8	7.5
15.28.38.4	1	6.0
15 28 40.8	2	6.0
15.28 43.2	3	6 5
15 28 45.6	4	6.5
15 28 48.0	5	7 0
15 28 50.4	6	7 0
15 28 52.8	7	8.0
15.28.55.2	8	
15.28.57.6	1	6.0
15 29 00	2	6.0
15 29.02.4	3	6 5
15 29.04 8	4	6 5
15.29.07.2	5	7 0
15 29.09.6	6	7 0
15.29.12.00	7	8 0
15.29.14.4	8	

Time	T.C No	Temp °C
16.21 00	6	6 5
16.21.02.4	7	7 0
16.21.04.8	8	7.0
16.21.07.2	1	6.0
16.21.09.6	2	6.0
16.21.12 00	3	6.0
16.21.14.4	4	6.0
16.21.16.8	5	6.0
16.21.19.2	6	6.0
16.21.21.6	7	7 0
16.21.24.00	8	7 0
16.21.26.4	1	6.0
16.21.28.8	2	6.0
16.21.31.2	3	6.0
16.21.33.6	4	6.0
16.21.3600	5	6.0
16.21.38.4	6	6.0
16.21.40.8	7	6 5
16.21.43.2	8	6 5
16.21.45 6	1	6.0
16.21.48.0	2	6.0
16.21.50.4	3	6.0
16.21.52.8	4	6 0
16.21.55.2	5	6.0
16.21.57 6	6	6.0
16.22.00	7	6.5
16.22.02.4	8	6.5
16.22 04 8	1	6 0
16 22.07 2	2	6 0
16.22.09.6	3	6 0
16.22.12.00	4	6.0
16.22.14.4	5	6 0
16.22.16.8	6	6.0
	7	

Time	T.C No	Temp °C
16.22.20.4	2	6 0
16.22.28.8	3	6.0
16.22.31.2	4	6.0
16.22.33 6	5	6.0
16.22.36.00	6	6.0
16.22.38.4	7	6 5
16.22.40.8	8	6 5
16.22.43.2	1	6.0
16.22.45.6	2	6 0
16.22.48.0	3	6 0
16.22.50.4	4	6 0
16.22.52.8	5	6.0
16.22.55.2	6	6 0
16.22.57.6	7	6 0
16.23.00	8	6.0

Temperature remains constant until end of test @ 16.46 00

Test 1 Honeywell 2

T/C 1. 4m High @ 250m

T/C 3 4m High @ 300m

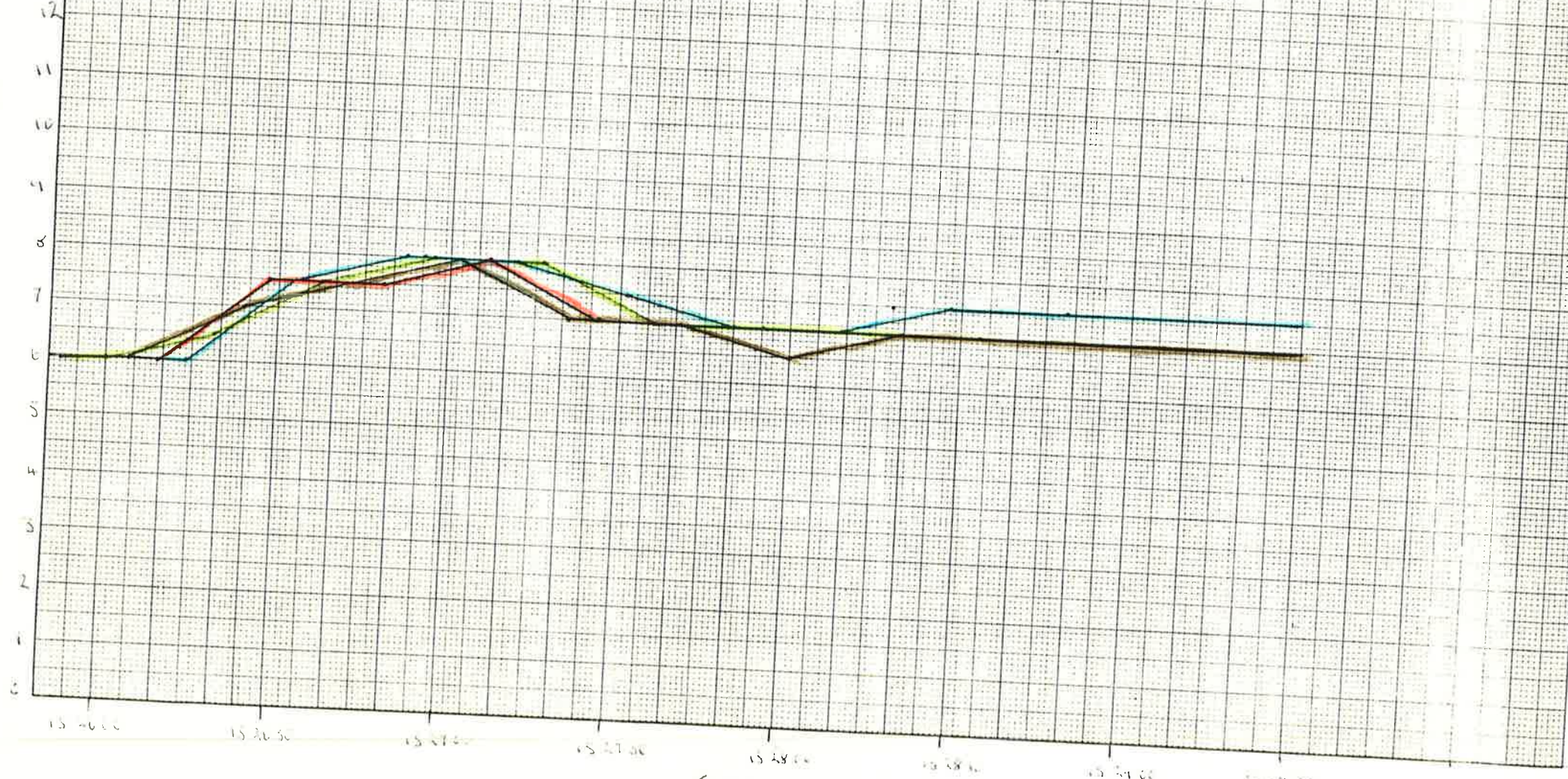
T/C 5 4m High @ 350m

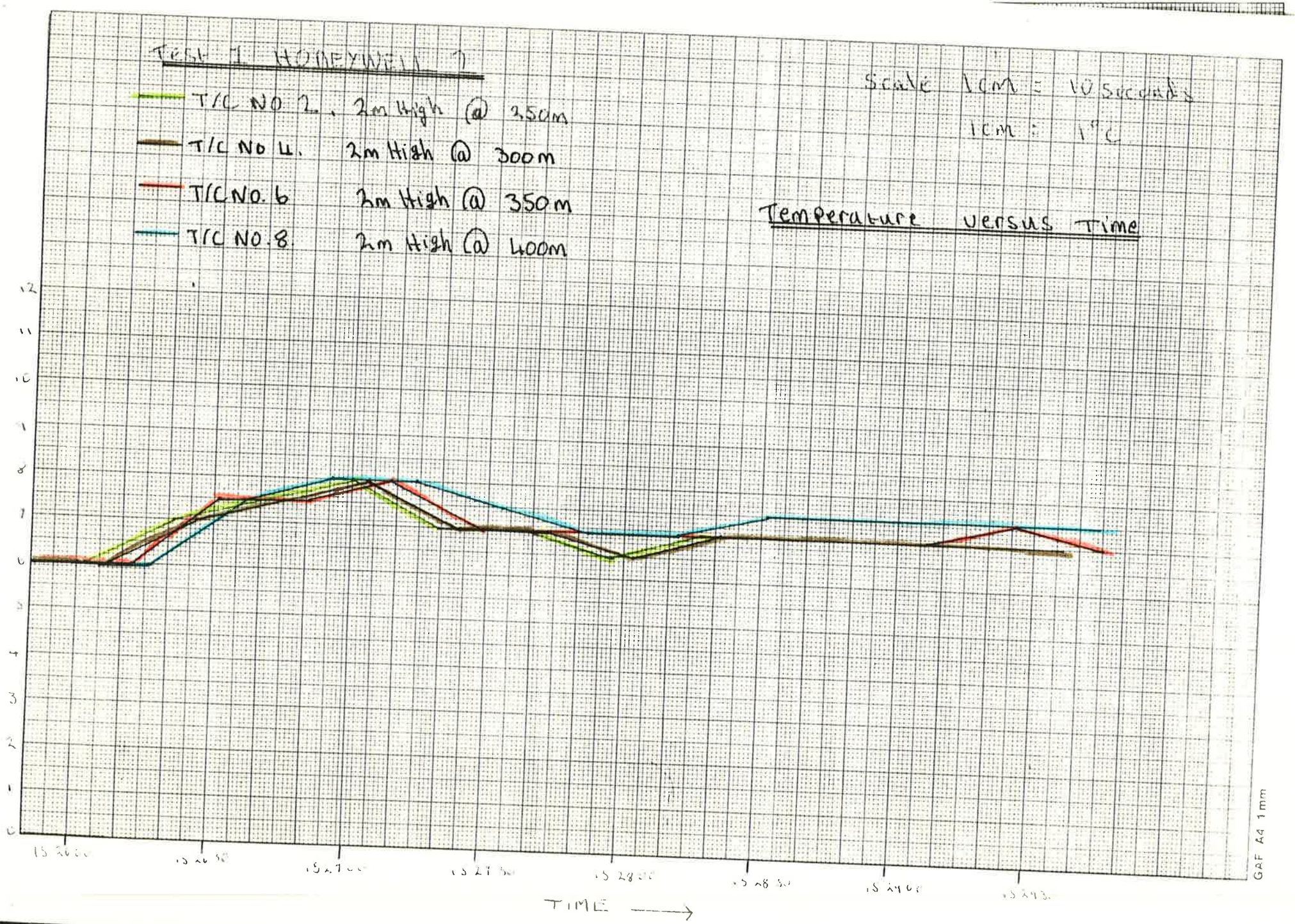
T/C 7 4m High @ 400m

Scale 1cm = 10 seconds

1cm = 1°C

Temperature versus Time



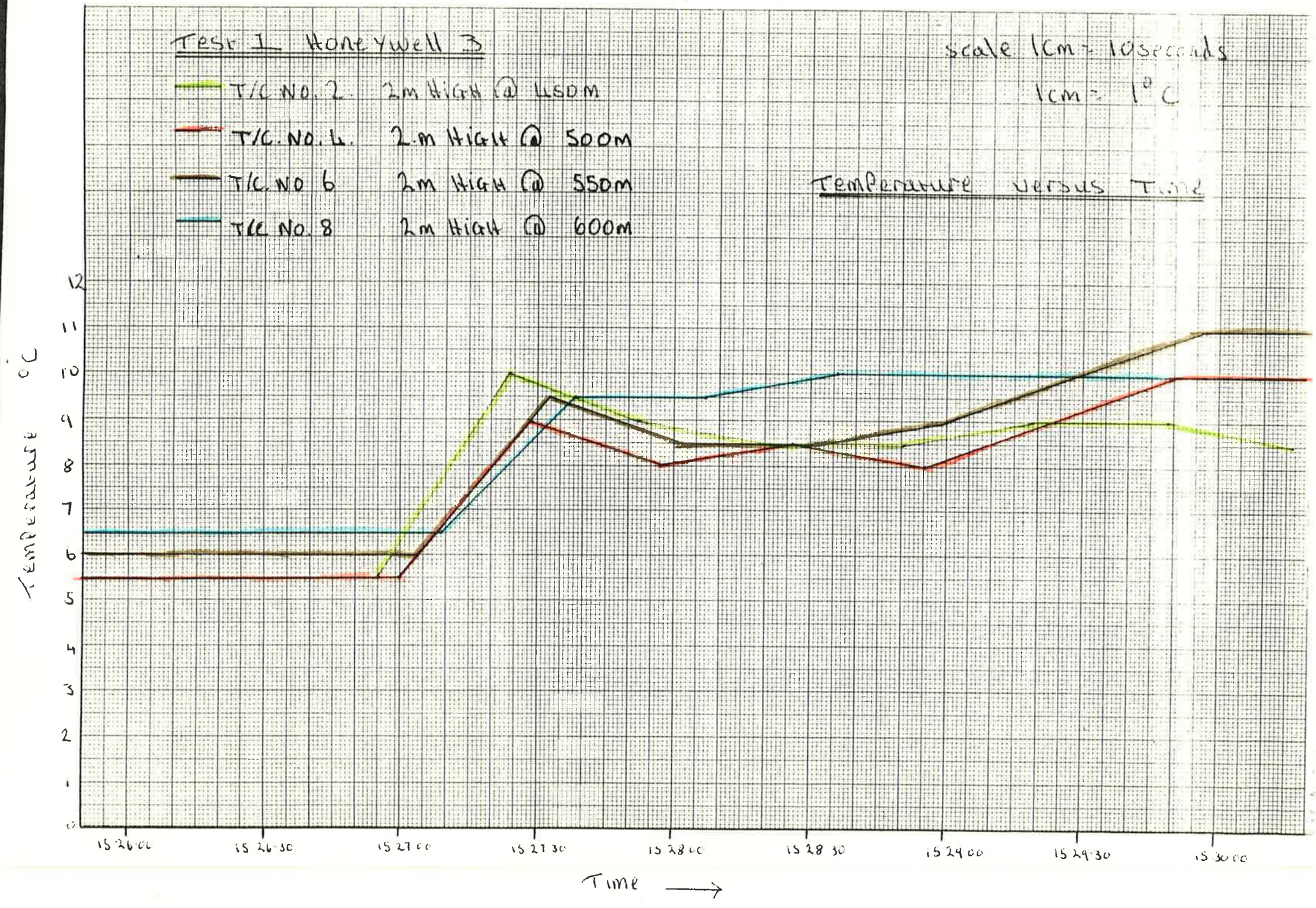

TEST 1 HONEYWELL 7
T/C NO 2. 2m High @ 350m
T/C NO 4. 2m High @ 300m
T/C NO. 6 2m High @ 350m
T/C NO. 8 2m High @ 400m
Scale 1cm = 10 seconds
1cm = 1°C
Temperature versus Time
TEMPERATURE °C
TIME
GAF A4 1mm

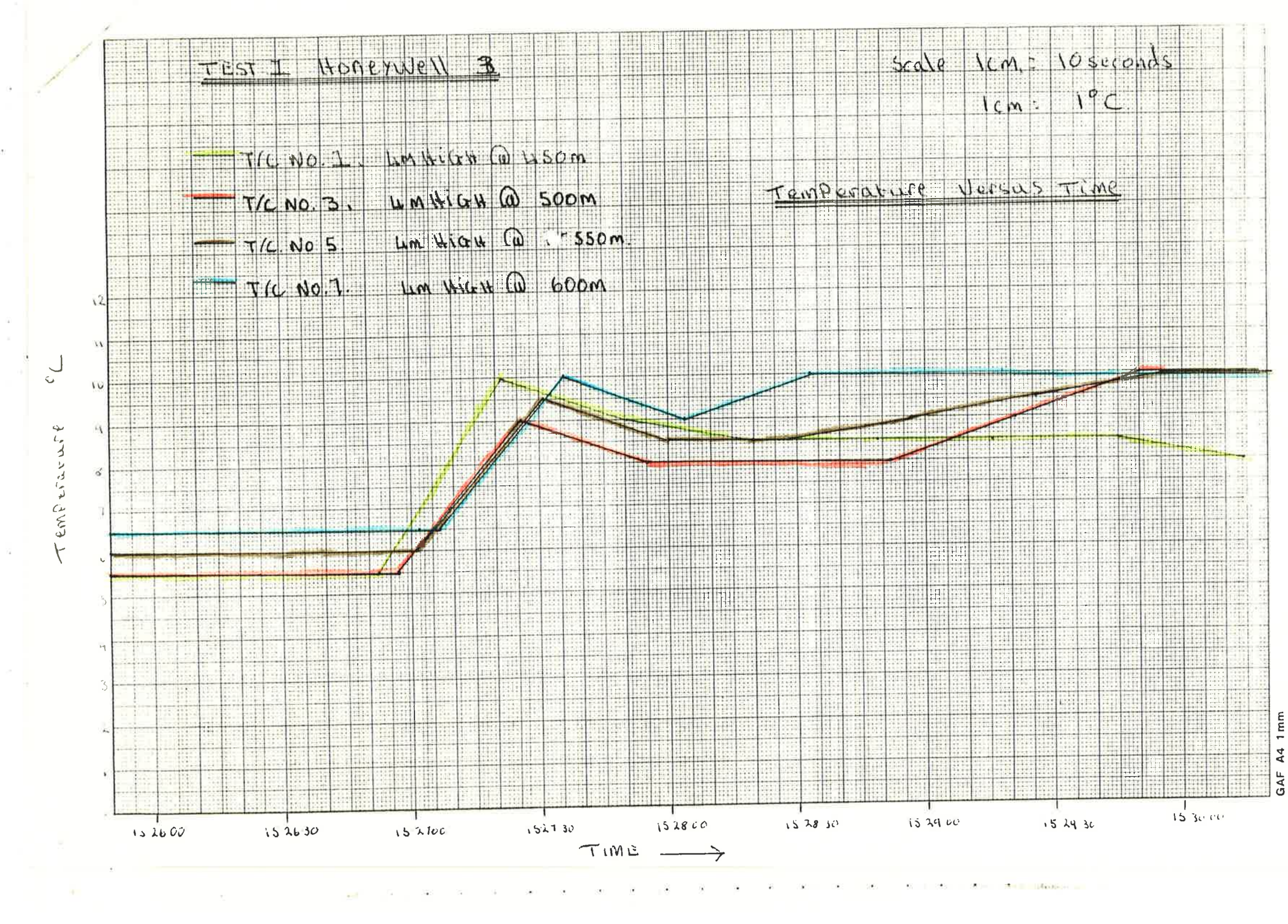
TEST 1 HONEYWELL 2

Time	T/C	Temp.
15 00 00	7	60
15 00 02 4	8	60
15 00 04 8	1	60
15 00 07 2	2	60
15 00 09 6	3	60
15 00 12	4	60
15 00 14 4	5	60
15 00 16 8	6	60
15 00 19 2	7	60
15 00 21 6	8	60
Temperature remains constant to 25c until next reading		
15 24 00	1	60
15 24 02 4	2	60
15 24 04 8	3	60
15 24 07 2	4	60
15 24 09 6	5	60
15 24 12	6	60
15 24 14 4	7	60
15 24 16 8	8	60
15 24 19 2	1	65
15 24 21 6	2	70
15 24 24	3	70
15 24 26 4	4	70
15 24 28 8	5	75
15 24 31 2	6	75
15 24 33 6	7	75
15 24 36	8	75
15 24 38 4	1	75
15 24 40 8	2	75
15 24 43 2	3	75
15 24 45 6	4	75
15 24 48 0	5	75
	7	

Time	T/C	Temp.
15 24 57 6	1	80
15 27 00	2	80
15 27 02 4	3	80
15 27 04 8	4	80
15 27 07 2	5	80
15 27 09 6	6	80
15 27 12	7	80
15 27 14 4	8	80
15 27 16 8	1	80
15 27 19 2	2	70
15 27 21 6	3	70
15 27 24	4	70
15 27 26 4	5	70
15 27 28 8	6	70
15 27 31 2	7	75
15 27 33 6	8	75
15 27 36	1	70
15 27 38 4	2	70
15 27 40 8	3	70
15 27 43 2	4	70
15 27 45 6	5	70
15 27 48 0	6	70
15 27 50 4	7	70
15 27 52 8	8	70
15 27 55 2	1	70
15 27 57 6	2	65
15 28 00	3	65
15 28 02 4	4	65
15 28 04 8	5	70
15 28 07 2	6	70
15 28 09 6	7	70
15 28 12	8	70
15 28 14 4	1	70

Time	T/C	Temp.
15 28 24	5	70
15 28 26 4	6	70
15 28 28 8	7	75
15 28 31 2	8	75
15 28 33 6	1	70
15 28 36	2	70
15 28 38 4	3	70
15 28 40 8	4	70
15 28 43 2	5	70
15 28 45 6	6	70
15 28 48 0	7	75
15 28 50 4	8	75
15 28 52 8	1	70
15 28 55 2	2	70
15 28 57 6	3	70
15 29 02 4	4	70
15 29 04 8	5	70
15 29 07 2	6	70
15 29 09 6	7	75
15 29 12	8	75
15 29 14 4	1	70
15 29 16 8	2	70
15 29 19 2	3	70
15 29 21 6	4	70
15 29 24	5	70
15 29 26 4	6	75
15 29 28 8	7	75
15 29 31 2	8	75
15 29 33 6	1	70
15 29 36	2	70
15 29 38 4	3	70
15 29 40 8	4	70
15 29 43 2	5	70


Test 1 Honeywell 3
T/C NO. 2 2m High @ 450m
T/C. NO. 4. 2.m High @ 500m
T/C NO 6 2m High @ 550m
T/C No. 8 2m High @ 600m
scale 1cm = 10seconds
1cm = 1° C
Temperature versus Time
Temperature °C
0
1
2
3
4
5
6
7
8
9
10
11
12
15 26 00
15 26 30
15 27 00
15 27 30
15 28 00
15 28 30
15 29 00
15 29 30
15 30 00
Time


TEST I Honeywell 3
Scale 1cm : 10 seconds
1cm : 1°C
T/C NO. 1. 4m High @ 450m
T/C NO. 3. 4m High @ 500m
T/C NO 5. 4m High @ 550m.
T/C NO. 7. 4m High @ 600m
Temperature Versus Time
TEMPERATURE °C
TIME
15 26 00
15 26 30
15 27 00
15 27 30
15 28 00
15 28 30
15 29 00
15 29 30
15 30 00
GAF A4 1 mm

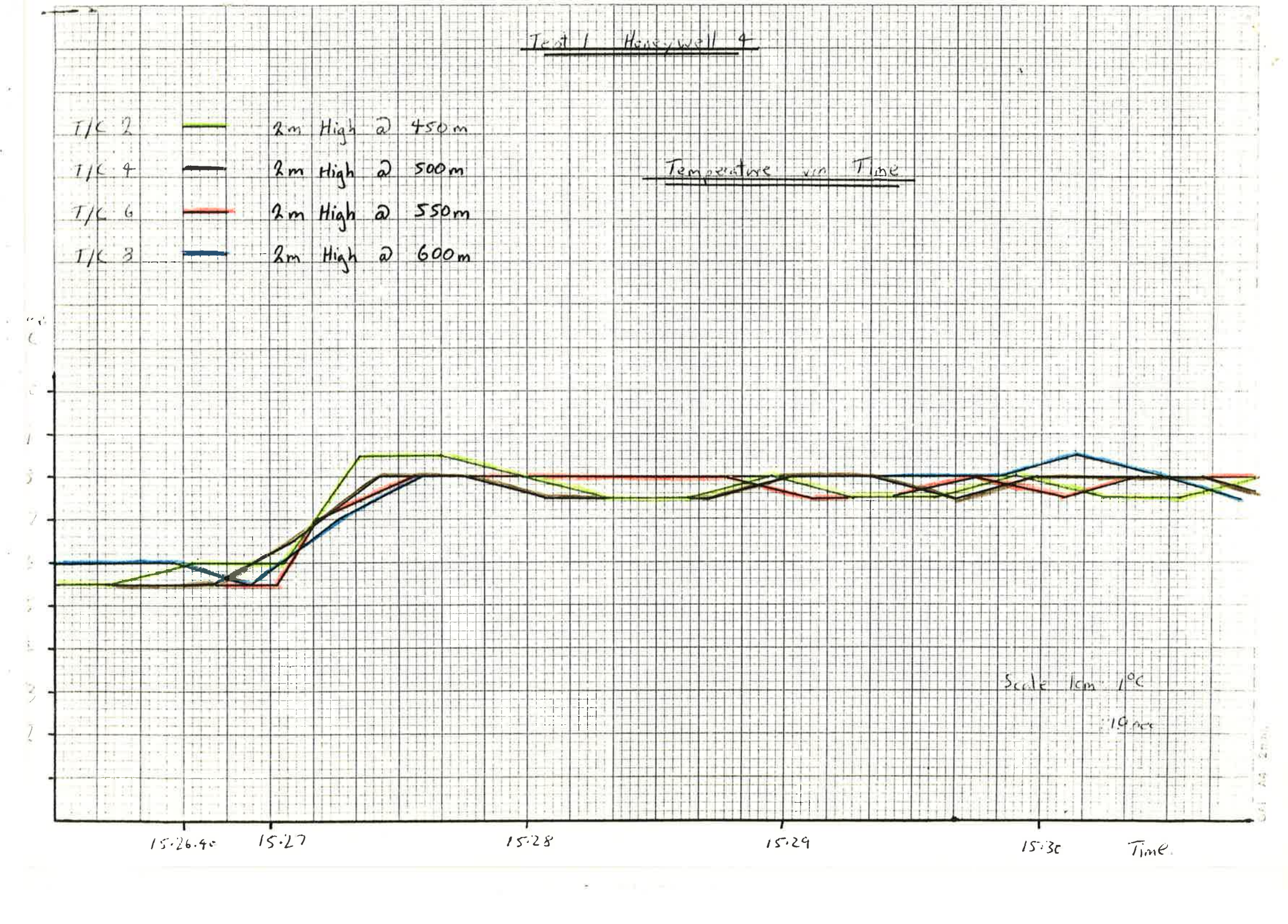
Test 1 Honeywell 3

Time	T/C	Temp.
15 21 00 00	3	5 5
15 26 02 4	4	5 5
15 26 04 8	5	6 0
15 26 07 2	6	6 0
15 26 09 6	7	6 5
15 26 12 0	8	6 5
15 26 24 0	1	5 5
15 26 26 4	2	5 5
15 26 28 8	3	5 5
15 26 31 2	4	5 5
15 26 33 6	5	6 0
15 26 36 0	6	6 0
15 26 38 4	7	6 5
15 26 40 8	8	6 5
15 26 52 8	1	5 5
15 26 55 2	2	5 5
15 26 57 6	3	5 5
15 27 00 00	4	5 5
15 27 02 4	5	6 0
15 27 04 8	6	6 0
15 27 07 2	7	6 5
15 27 09 6	8	6 5
15 27 21 6	1	10 0
15 27 24 0	2	10 0
15 27 26 4	3	9 0
15 27 28 8	4	9 0
15 27 31 2	5	9 5
15 27 33 6	6	9 5
15 27 36 0	7	10
15 27 38 4	8	9 5
15 27 50 4	1	9 0
15 27 52 8	2	9 0
15 27 55 2	3	8 0
15 27 57 6	4	8 0
15 28 [illegible]	5	

Time	T/C	Temp.
15 28 02 4	6	8 5
15 28 04 8	7	9 0
15 28 07 2	8	9 5
15 28 19 2	1	8 5
15 28 21 6	2	8 5
15 28 24 0	3	8 0
15 28 26 4	4	8 5
15 28 28 8	5	8 5
15 28 31 2	6	8 5
15 28 33 6	7	10
15 28 36 0	8	10
15 28 48 0	1	8 5
15 28 50 4	2	8 5
15 28 52 8	3	8 0
15 28 55 2	4	8 0
15 28 57 6	5	9 0
15 29 00	6	9 0
15 29 02 4	7	10
15 29 04 8	8	10
15 29 16 8	1	8 5
15 29 19 2	2	9 0
15 29 21 6	3	9 0
15 29 24 0	4	9 0
15 29 26 4	5	9 5
15 29 28 8	6	10
15 29 31 2	7	10
15 29 33 6	8	10
15 29 45 6	1	8 5
15 29 48 0	2	9 0
15 29 50 4	3	10 0
15 29 [illegible]	4	
15 29 55 2	5	10 0
15 29 57 6	6	11 0
15 30 00	7	10 0

Time	T/C	Temp
15 30 14 4	1	8 0
15 30 16 8	2	8 5
15 30 19 2	3	10 0
15 30 21 6	4	10 0
15 30 24 0	5	10 0
15 30 26 4	6	11 0
15 30 28 8	7	11 0
15 30 31 2	8	11 0
15 30 43 2	1	9 5
15 30 45 6	2	10 0
15 30 48 0	3	10 0
15 30 50 4	4	10 0
15 30 52 8	5	10 0
15 30 55 2	6	10 5
15 30 57 0	7	10 5
15 31 00	8	10 5
15 31 12 0	1	10 0
15 31 14 4	2	10 0
15 31 16 8	3	9 5
15 31 19 2	4	9 5
15 31 21 6	5	10 0
15 31 24 0	6	10 0
15 31 26 4	7	10 5
15 31 28 8	8	10 5
15 31 40 8	1	10 0
15 31 43 2	2	10 0
15 31 45 6	3	9 5
15 31 48 0	4	9 5
15 31 50 4	5	10 0
15 31 [illegible]	6	
[illegible]	7	
15 31 57 6	8	10 0

No further increase in Temp occurs as Temp Declines slowly until Ambient is reached.


Test 1 Honeywell 4
T/C 2 2m High @ 450m
T/C 4 2m High @ 500m
T/C 6 2m High @ 550m
T/C 3 2m High @ 600m
Temperature vs Time
Scale 1cm 1°C
15·26.40
15·27
15·28
15·29
15·30
Time

Test 1 Honeywell 4

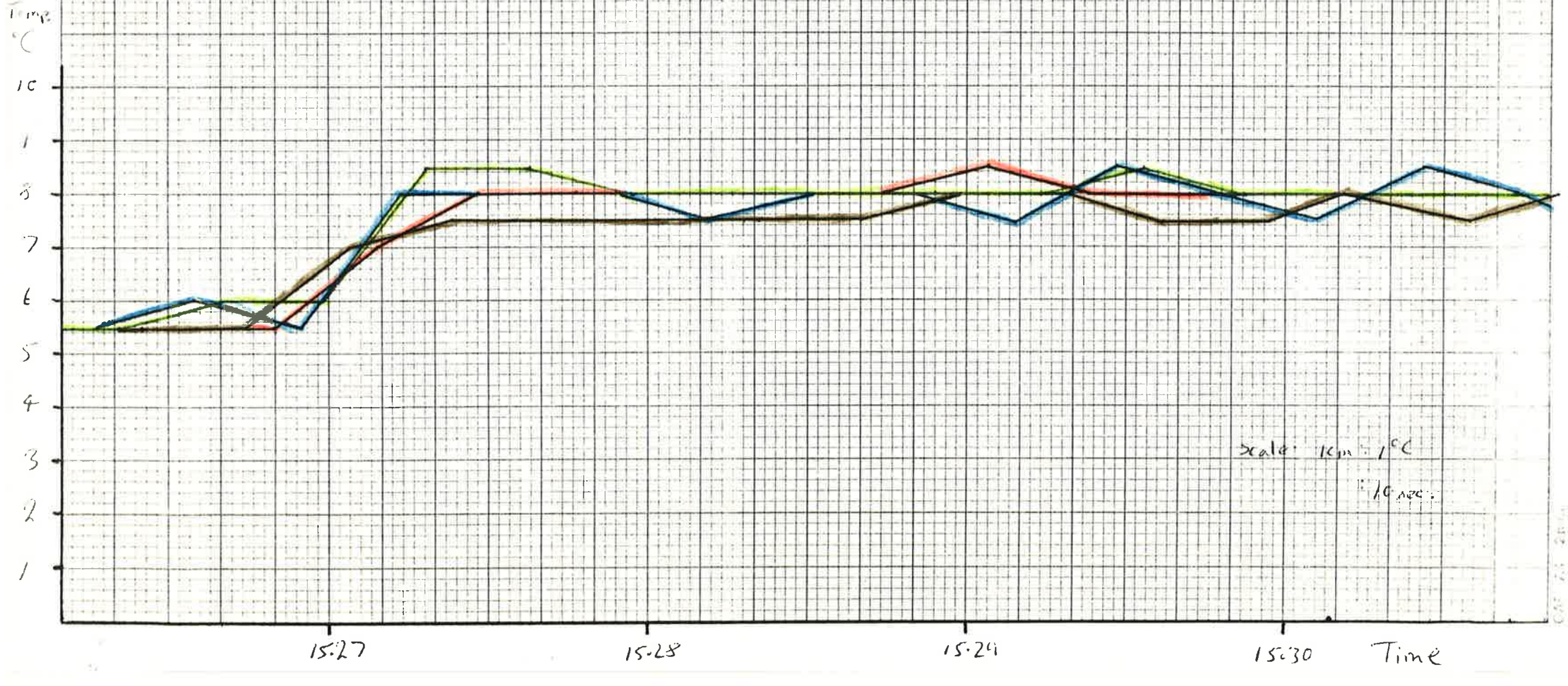
T/C 1 — 4m High @ 450m

T/C 3 — 4m High @ 500m

T/C 5 — 4m High @ 550m

T/C 7 — 4m High @ 600m.

Temperature vrs Time



Test 1 Honeywell 4

Time	T/C	Temp.	Time	T/C	Temp.	Time	T/C	Temp.
15:24 21.6	7	6°C	15:25:48	3	5	15:27:144	7	5
29	8	6	:50.4	4	5.5	:16.8	8	7
:26.4	1	6	:52.8	5	5.5	:19.2	1	5.5
25.8	2	5.5	:55.2	6	5.5	:21.6	2	8.5
:31.2	3	5	:57.6	7	6	:24	3	7.5
:33.6	4	5.5	15:26:00	8	6	:26.4	4	5
:36	5	5.5	:02.4	1	5.5	28.8	5	5
:38.4	6	5.5	:04.8	2	5.5	:31.2	6	8
:40.8	7	6	:07.2	3	5.5	:33.6	7	8
:43.2	8	6	:09.6	4	5.5	:36	8	8
:45.6	1	5.5	:12	5	5.5	:38.4	1	8.5
48	2	5.5	:14.4	6	5.5	:40.8	2	8.5
:50.4	3	5	:16.8	7	5.5	:43.2	3	7.5
:52.8	4	5	:19.2	8	6	:45.6	4	8
:55.2	5	5.5	:21.6	1	5.5	:48	5	8
:57.6	6	5.5	:24	2	5.5	:50.4	6	8
15:25:00	7	5.5	:26.4	3	5.5	:52.8	7	8
:02.4	8	6	:28.8	4	5.5	:55.2	8	8
:04.8	1	5.5	:31.2	5	5.5	:57.6	1	8
:07.2	2	5.5	:33.6	6	5.5	15:28:00	2	8
09.6	3	5	:36	7	6	:02.4	3	7.5
:12	4	5	:38.4	8	6	:04.8	4	7.5
:14.4	5	5.5	:40.8	1	6	:07.2	5	8
:16.8	6	5.5	:43.2	2	6	:09.6	6	8
:19.2	7	5.5	:45.6	3	5.5	:12	7	7.5
21.6	8	6	:48	4	5.5	:14.4	8	8
:24	1	5.5	:50.4	5	5.5	:16.8	1	8
:26.4	2	5.5	:52.8	6	5.5	:19.2	2	7.5
28.8	3	5	:55.2	7	5.5	:21.6	3	7.5
:31.2	4	5	:57.6	8	5.5	:24	4	7.5
:33.6	5	5.5	15:27:00	1	6	:26.4	5	5
:36	6	5.5	024	2	6	:28.8	6	5
:38.4	7	6	:04.8	3	7	:31.2	7	5
:40.8	8	6	:07.2	4	6.5	:33.6	8	5
43.2	1	5.5	:09.6	5	7	:36	1	8
:45.6	2	5.5	:12	6	7	:38.4	2	7.5

Test 1 Honeywell 4

Time	T/C	Temp.	Time	T/C	Temp.	Time	T/C	Temp.
15.28.40.5	3	7.5	15.30.07.2	7	7.5	15.31.33.6	3	7
.43.2	4	7.5	.09.6	5	8.5	.36	4	7
.45.6	5	8	.12	1	8	.38.4	5	7.5
.48	6	8	.14.4	2	7.5	.40.5	6	7
.50.4	7	8	.16.8	3	8	.43.2	7	7.5
.52.8	8	8	.19.2	4	8	.45.6	8	7
.55.2	1	8	.21.6	5	8	.48	1	7.5
.57.6	2	8	.24	6	8	.50.4	2	7.5
15.29.00	3	8	.26.4	7	8.5	.52.8	3	7
.02.4	4	8	.28.8	8	8	.55.2	4	7
.04.8	5	8.5	.31.2	1	8	.57.6	5	7
.07.2	6	7.5	.33.6	2	7.5	15.32.00	6	7
.09.6	7	7.5	.36	3	7.5	.02.4	7	7
.12	8	8	.38.4	4	8	.04.8	8	7
.14.4	1	8	.40.8	5	8	.07.2	1	7
.16.8	2	7.5	.43.2	6	8	.09.6	2	7
.19.2	3	8	.45.6	7	8	.12	3	7.5
.21.6	4	8	.48	8	7.5	.14.4	4	7
.24	5	8	.50.4	1	8	.16.8	5	7
.26.4	6	7.5	.52.8	2	8	.19.2	6	7
.28.8	7	8.5	.55.2	3	8	.21.6	7	7
.31.2	8	8	.57.6	4	7.5	.24	8	7
.33.6	1	8.5	15.31.00	5	8	.26.4	1	7.5
.36	2	7.5	.02.4	6	7	.28.8	2	7
.38.4	3	7.5	.04.8	7	7	.31.2	3	7
.40.8	4	7.5	.07.2	8	7	.33.6	4	7
.43.2	5	8	.09.6	1	8	.36	5	7
.45.6	6	8	.12	2	7.5	.38.4	6	7
.48	7	8	.14.4	3	8	.40.8	7	7.5
.50.4	8	8	.16.8	4	7.5	.43.2	8	7
.52.8	1	8	.19.2	5	7.5	.45.6	1	
.55.2	2	8	.21.6	6	7	.48		
.57.6	3	7.5	.24	7	7.5	.50.4		
15.30.00	4	8	.26.4	8	7			
.02.4	5	8	.28.8	1	8			
.04.8	6	7.5	.31.2	2	7.5			