TEST REPORT

Wind Tunnel Test of 1/30 Scale Heliostat Field Array Model

February 22, 1978

Work Performed Under Contract No. EY-76-C-03-1109

Honeywell
Avionics Division
St. Petersburg, Florida
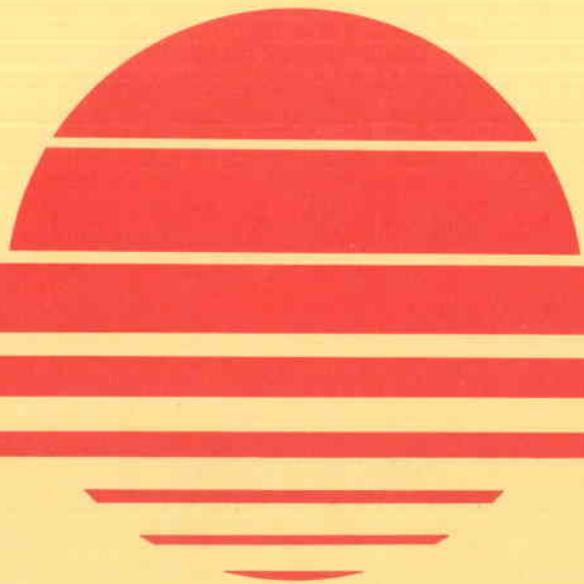
U.S. Department of Energy

Solar Energy

TEST REPORT

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HELIOSTAT FIELD ARRAY MODEL

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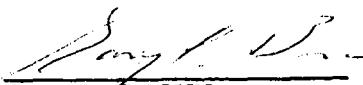
PREPARED BY: *(signature)*
G. L. BROWN
TEST ENGINEER
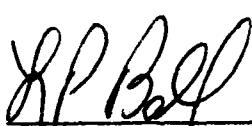
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ST. PETERSBURG, FLORIDA

ACKNOWLEDGMENTS

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SECTION 1

INTRODUCTION

From 9 January through 20 January 1978 Honeywell conducted a wind tunnel test on a 1/30 scale partial heliostat field. The heliostats were per Honeywell's design developed under the 10 megawatt central receiver pilot electrical power plant subsystem research experiment contract. Likewise the scaled section of the field geometry duplicated the proposed circular layout. Testing was conducted at the Georgia Institute of Technology's 9 foot subsonic tunnel.

The objective of the test was to ascertain from a qualitative standpoint the field effects upon wind loading within a heliostat field. To accomplish this, numerous pressure tap measurements at different heights and at different field positions were taken with varying wind speeds, fence designs, and heliostat gimbal orientations. The Department of Energy specified boundary layer profile was also scaled by 1/30 in order to simulate the total wind effects as accurately as possible taking into account the potentially severe scaling or Reynolds number effects at a 1/30 scale.

After initial model set-up within the tunnel and scaled boundary layer generated, 91 separate runs were accomplished. The results do demonstrate the high sensitivity of wind loading upon the collector field due to the actual heliostat orientation and fence geometry. Vertical pressure gradients within the model field and flow reentry angles provide a good qualitative feel as to the full scale environment that might be expected and point to the need for specific additional testing to further explore potentially dangerous conditions.

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SECTION 2

MODEL CONFIGURATION, TEST SETUP
AND INSTRUMENTATION

2.1 Heliostat Field Model

The test model consisted basically of three modules. Module No. 1 contained 15 heliostats whose spacing represented a 1/30 scaled spacing of the outer rows of heliostats in Honeywell's proposed circular field arrangement for the actual 10 MW electrical solar pilot plant. Reference 1 defines the actual detailed configuration of the heliostat and total collector subsystem. Module No. 2 contained 13 heliostats simulating scaled spacing per the inner rows of the collector field. Module No. 3 was merely a support member for one vertical 4 probe rake and 5 unique fence configurations.

Figure 1 shows a partial graphic representation of the collector field modules. Figure 2 is a photograph of the full assembled model prior to delivery to Georgia Tech for the test program.

Each of the 28 heliostats within the full model are 1/30 scale, have an inner axis rotational range (i.e., the mirror modules) of ±180 degrees, and have an outer axis rotational range (i.e., the total frame) of -75 degrees to +30 degrees. The 4 mirror modules of each heliostat are ganged together by a crank arm and tie rod assembly.

The ground planes were made of plywood and elevated 2 inches to allow passage of the over 1000 feet of 1/16 ID Tygon flexible tubing between the ground plywood and wind tunnel floor. For ease in handling and shipping, the ground planes modules 1 and 2 were further sectioned lengthwise into two pieces.

During testing, tape was used to cover all seams between modules and module segments and model to tunnel wall to insure no unnecessary flow interruption. Model configuration changes could be made by walking (carefully) on the ground plane between the heliostats.

The exact measured location of the outer axis centerline for each heliostat down the middle of the field from the fence line is shown in Table I along with a representation of the full scaled distances.

Figure 3 defines the sign conventions that were maintained during all testing and will be used during subsequent discussions.

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HELIOSTATS ARE ≈ 2' LONG AND
CAN BE PLUGGED INTO VARIOUS
SLOTS

4" SQ MIRRORS

8.4 FT RADIUS ARC

7.9 FT RADIUS

SEPARATE WIND
BARRIER BLOCK

UPSTREAM
RAKE

VERTICAL
RAKES

BARRIER HEIGHT
ADJUSTABLE AT
0'', 2.5'', &
5.5''

4

6" |14.3"|13.8"|13.3|13.0"| 6" |6.7|6.6|6.5|6.4| 2"

5 ROWS OF HELIOSTATS,
3 PER ROW

|◄————————————— 66.4" —————————————►| |◄————— 38.2" —————►|

THREE TAP PRESSURE PROBE HEIGHTS
OF 1.5", 3.5", 5.5"
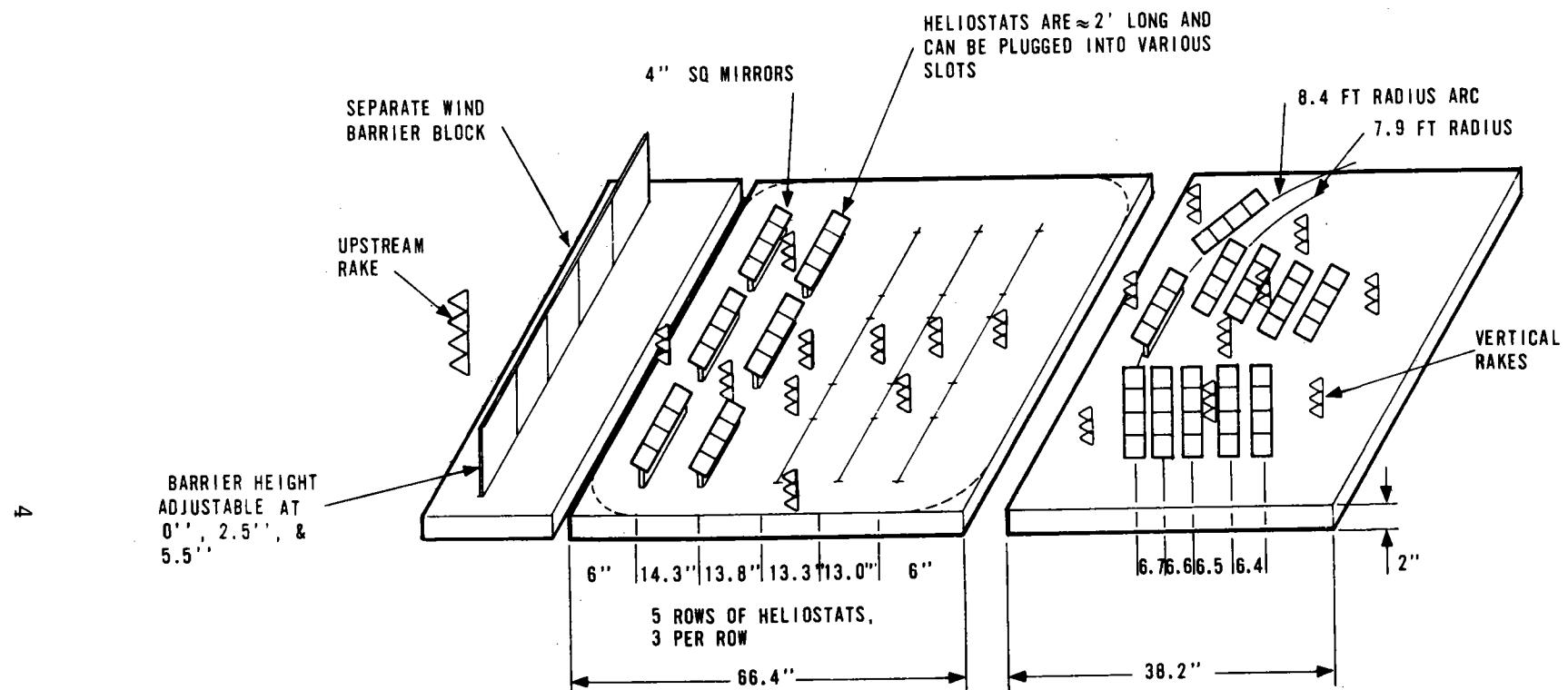
NOTES: VERTICAL RAKES HAVE TAPS AT 1.5'', 3.0'', 5.5'' AND 7.0''   E
        ABOVE GROUND PLANE LEVEL. EXACT LOCATIONS ARE PER FIGURE 5

FIGURE 1.   HELIOSTAT FIELD ARRAY MODELS
        (DIMENSIONS ARE 1/30 FULL SCALE)
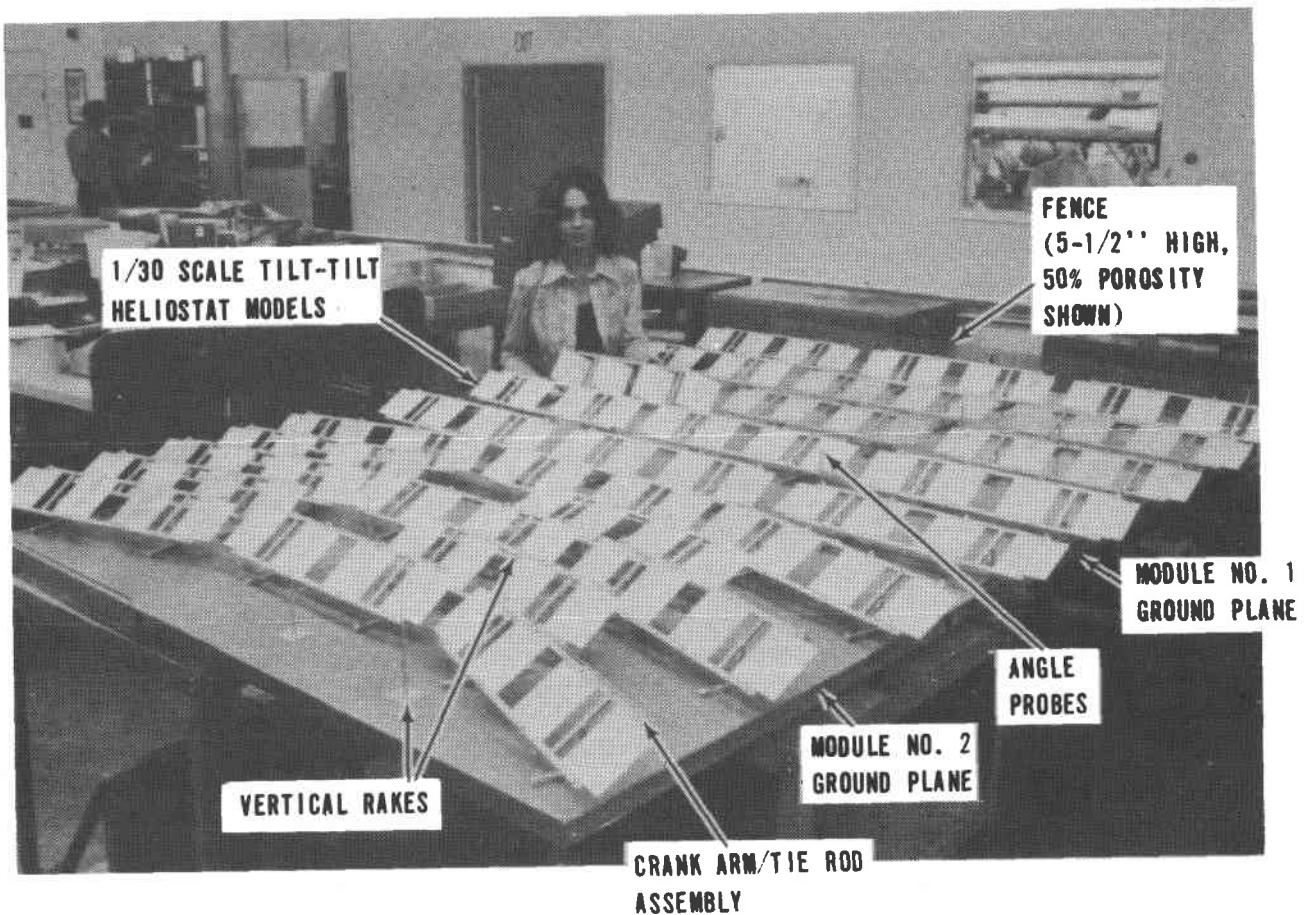
FIGURE 2.   COMPLETED 1/30 SCALE MODEL
OF PARTIAL HELIOSTAT FIELD SEGMENTS

TABLE I.   HELIOSTAT CENTERLINE DISTANCE FROM FENCE

Heliostat Row per Figure 4 Configuration	Distance to Centerline of Middle Heliostat (inches)	Full Scale (X30) (feet)
1	8 13/16	22
2	23 1/16	57.7
3	36 15/16	92.3
4	50 3/16	125.5
5	63 3/16	158
6	73 9/16	183.9
7	80 7/16	201.1
8	87 5/16	218.3
9	94 1/16	235.2
10	100 7/16	251.1

WIND VECTOR

SCALED BOUNDARY LAYER GENERATOR

FENCE

X_2 X_3

X_1

MODULE NO. 1

MODULE NO. 2
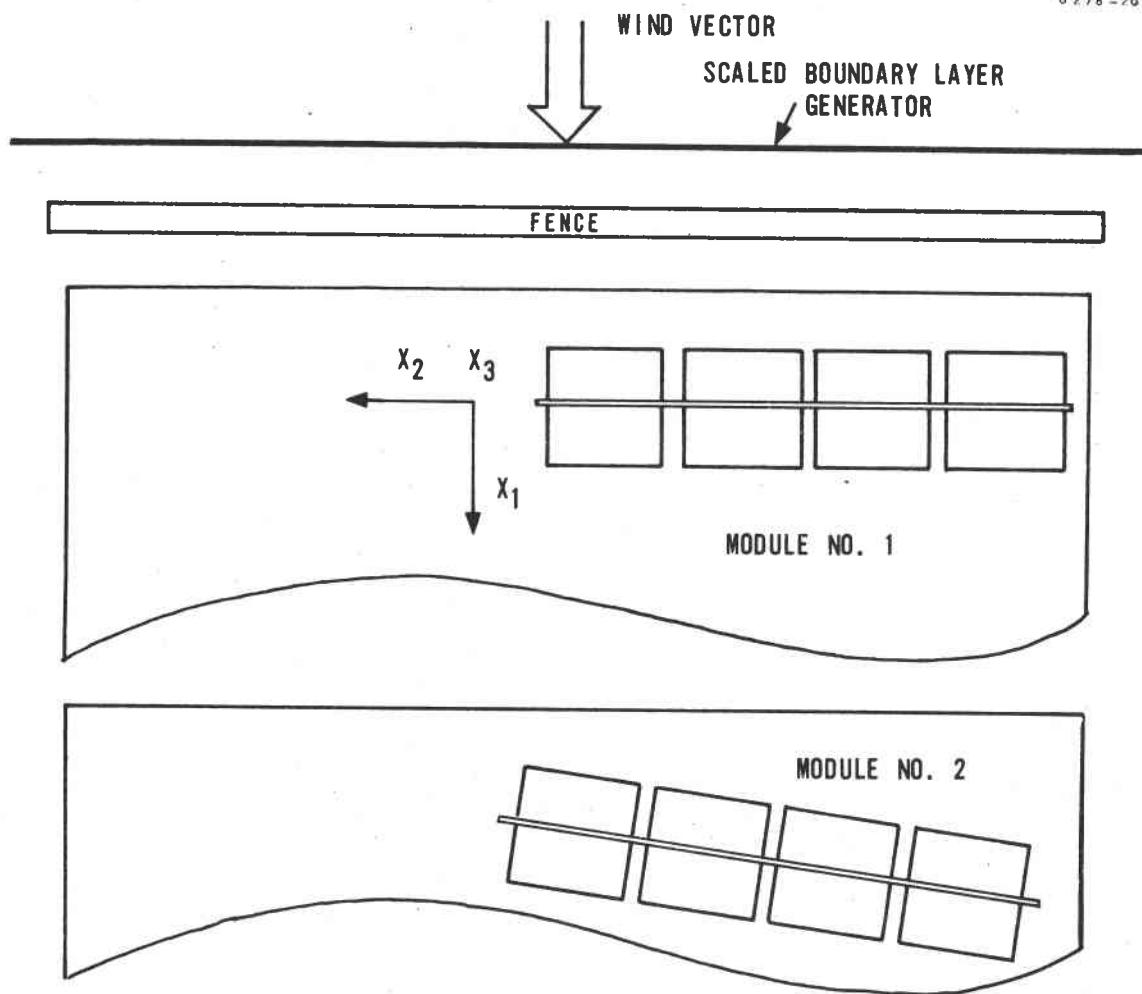
POSITIVE ROTATIONS IAW RHR ABOUT DEFINED AXIS
WHICH ROTATES WITH GROUND PLANE (I.E. ABOUT X_3)

ϕ = INNER AXIS ABOUT X_1. 0^0 = MIRROR MODULES PARALLEL TO FRAME

θ = OUTER AXIS ABOUT X_2. 0^0 = OUTER FRAME HORIZONTAL

γ – TOTAL GROUND PLANE ROTATION WRT TUNNEL FLOOR ABOUT X_3.

    NOTE: 1. HELIOSTATS ARE FIXED TO GROUND PLANE.
             2. PRESSURE TAPS WERE ALWAYS ROTATED TO POINT UPSTREAM
                REGARDLESS OF GROUND PLANE AND HELIOSTAT ORIENTATIONS
                EXCEPT FOR RUNS 53 THROUGH 62

FIGURE 3.   HELIOSTAT ARRAY SIGN CONVENTION

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To obtain the field flow and pressure distribution characteristics, two designs of pressure probes were used as shown in Figures 2 and 4. Both the vertical rake probes and flow direction probes were made of 4 separate pieces of 0.026 ID, 0.076 OD soft copper tubing which were flow soldered together for structural strength. Seventeen vertical rakes were located throughout the field for all testing. They were used to determine the horizontal flow velocities (or pressure) at heights of 1.5, 3.0, 5.5 and 7.0 inches above the ground plane. Each tap was fared into pointing horizontal.

Three vertical flow direction probes were placed within the field. Each consisted of 4 probes, colocated 5.5 inches above the ground plane. The 4 probes were angled with respect to horizontal at 0, +10, +20 and +30 degrees.

Figure 5 shows the exact relative location of each probe location to the heliostat geometry. The locations were always fixed with respect to the ground plane. Table II provides the exact distance of the probe tips from the fence in actual inches along with the scaled up (x30) distances in feet. Normally for all testing the probes faced directly upstream as shown in Figure 6. But for one group of test runs (No. 53 through 62) the probes were turned to parallel the mirror module (inner axis) plane as shown in Figure 7.

The 5 different perimeter fence barrier configurations used within the test program were:

1) No barrier

2) 2-1/2 inch high solid fence (6-1/4 ft full scale). This height is just below the heliostat centerline or outer axis height.

3) 2-1/2 inch high 50 percent porosity mesh fence.

4) 5-1/2 inch high solid fence (13-3/4 ft full scale). This height is just below a heliostat's higher protrusions into the boundary layer at some orientations.

5) 5-1/2 inch high 50 percent porosity mesh fence.

Barriers 2 through 5 were merely bolted to module 3 at fixed hole locations (i.e., all fences were placed the exact same distance upstream from the heliostat field).

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0°

30°

CO-LOCATED FLOW DIRECTION
PROBE AT 5.5'' ABOVE
GROUND PLANE ORIENTATIONS
0°, 10°, 20° AND 30° WITH
RESPECT TO HORIZONTAL

TUBING INTERFACE
BENEATH GROUND
PLANE

1.5''   3.0''   5.5''   7.0''

VERTICAL RAKE PROBES
AT 1.5'', 3.0'', 5.5''
AND 7.0'' ABOVE GROUND
PLANE
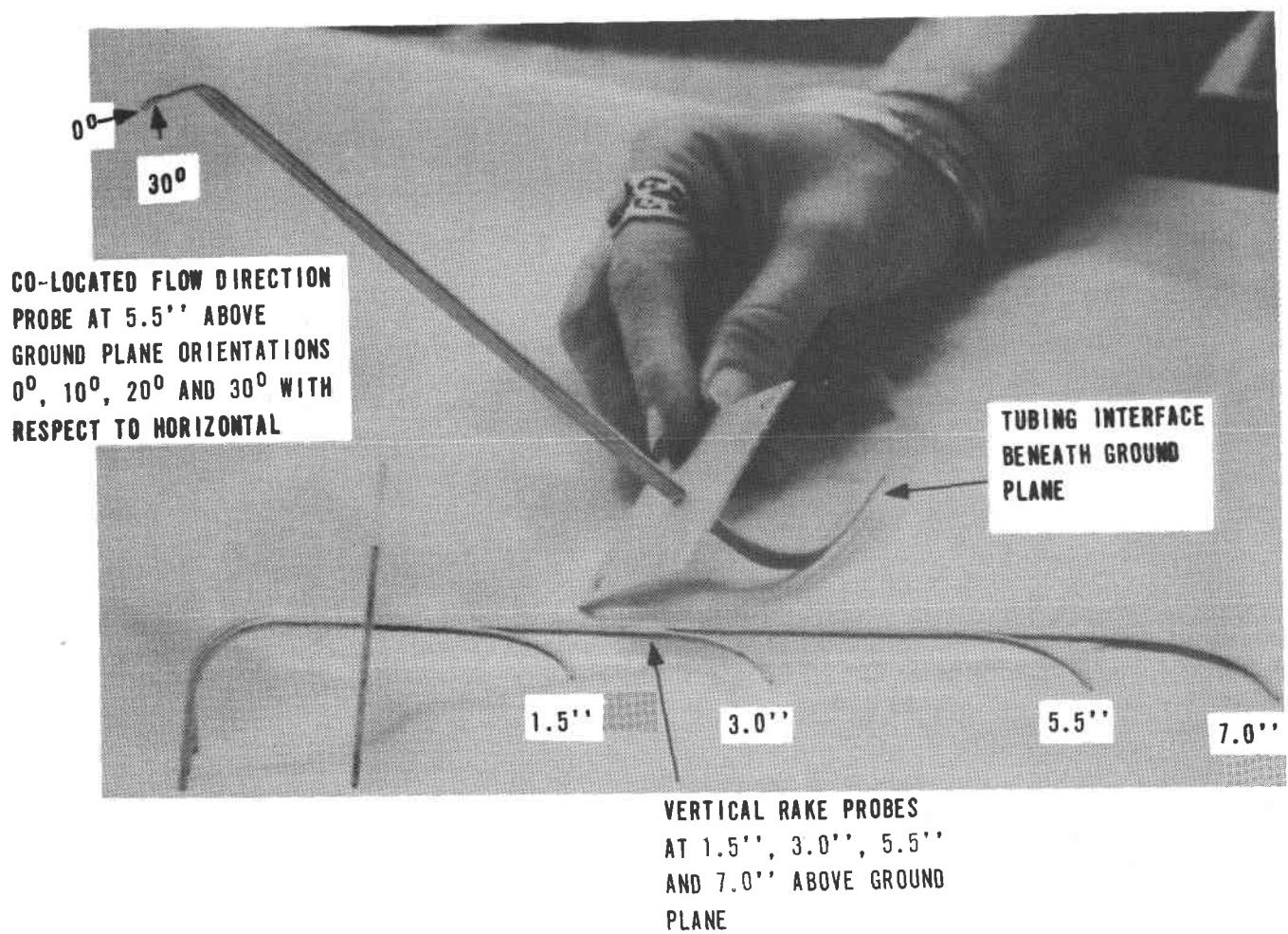
FIGURE 4.   COPPER PRESSURE PROBES USED
DURING WIND TUNNEL TEST

9
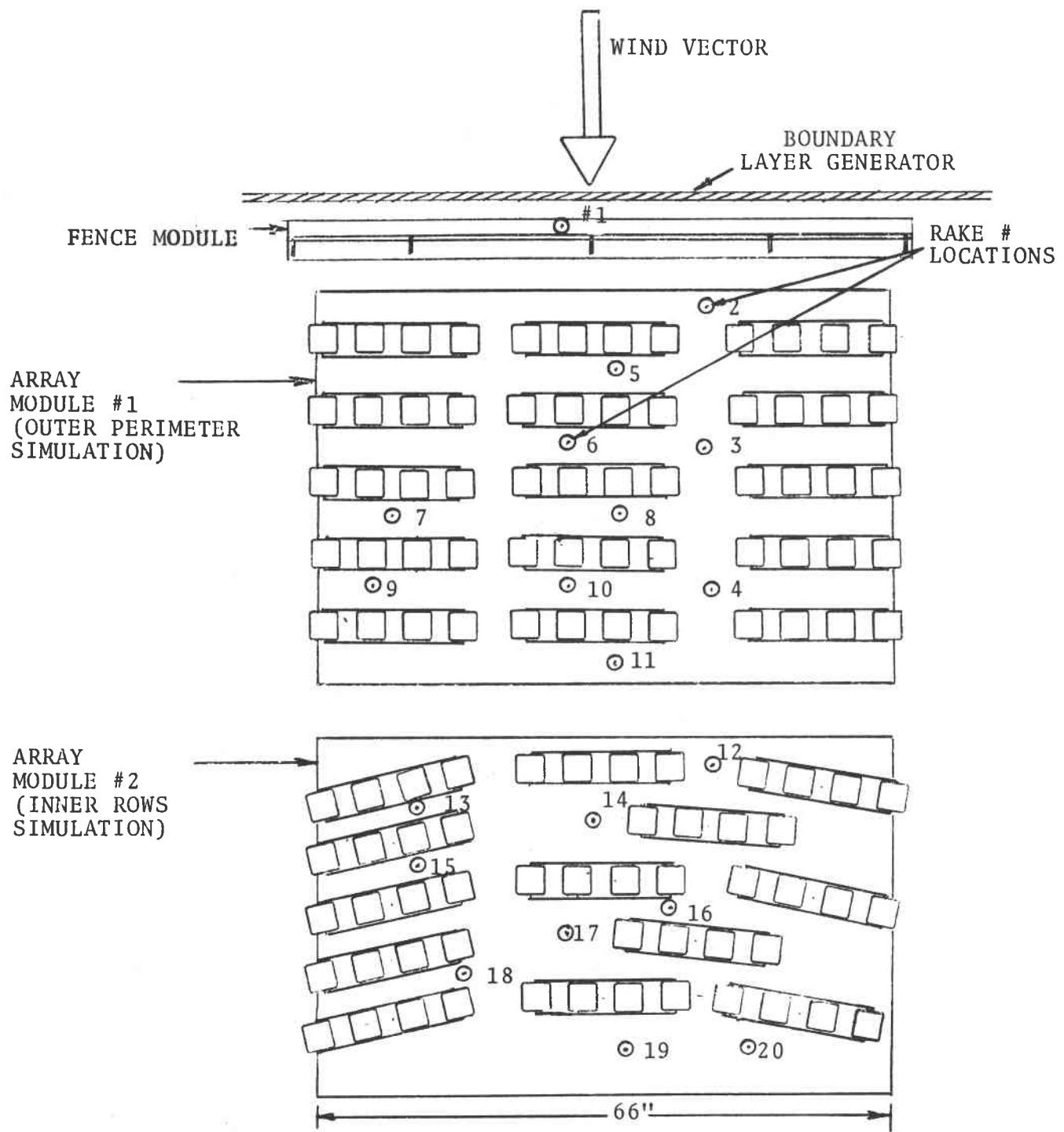
NOTES: 1) Drawing is not to scale. However, relative probe
           locations are shown accurately by numbered circles
           (i.e. Behind mirror module, between module, etc.).
           See Table II for exact field depth location.

        2) View as seen from top looking down; heliostats and
           ground plane are at $\theta=\phi=\gamma=0^{\circ}$.

        3) Each vertical rake has pressure taps at 1.5", 3.0",
           5.5" and 7.0" heights.

FIGURE 5.   HELIOSTAT ARRAY MODEL PRESSURE RAKE LOCATIONS

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TABLE II. PROBE LOCATION DEPTH WITHIN COLLECTOR FIELD

Probe Location Number	Model Distance from Fence (inches)	30X Scaled Distance from Fence (feet)
1	- 2 3/4	-6.9
2	4 1/16	10.2
3	29 13/16	74.5
4	55 3/16	138
5	15 3/16	38
6	29 1/16	72.7
7	41 5/8	104.1
8	42 5/16	105.8
9	54 3/8	135.9
10	54 3/8	135.9
11	65 1/2	163.8
12	70 3/4	176.9
13	76 15/16	192.3
14	77	192.5
15	83 15/16	209.8
16	87 7/16	218.6
17	90 1/4	225.6
18	95 1/2	238.8
19	103 5/8	259.1
20	103 1/2	258.8

NOTE: Tunnel pitot tube at 13.2" height,
-11" to the fence front.

MODULE NO. 1

MODULE NO. 2

VERTICAL RAKE PROBES
(#13 SHOWN)
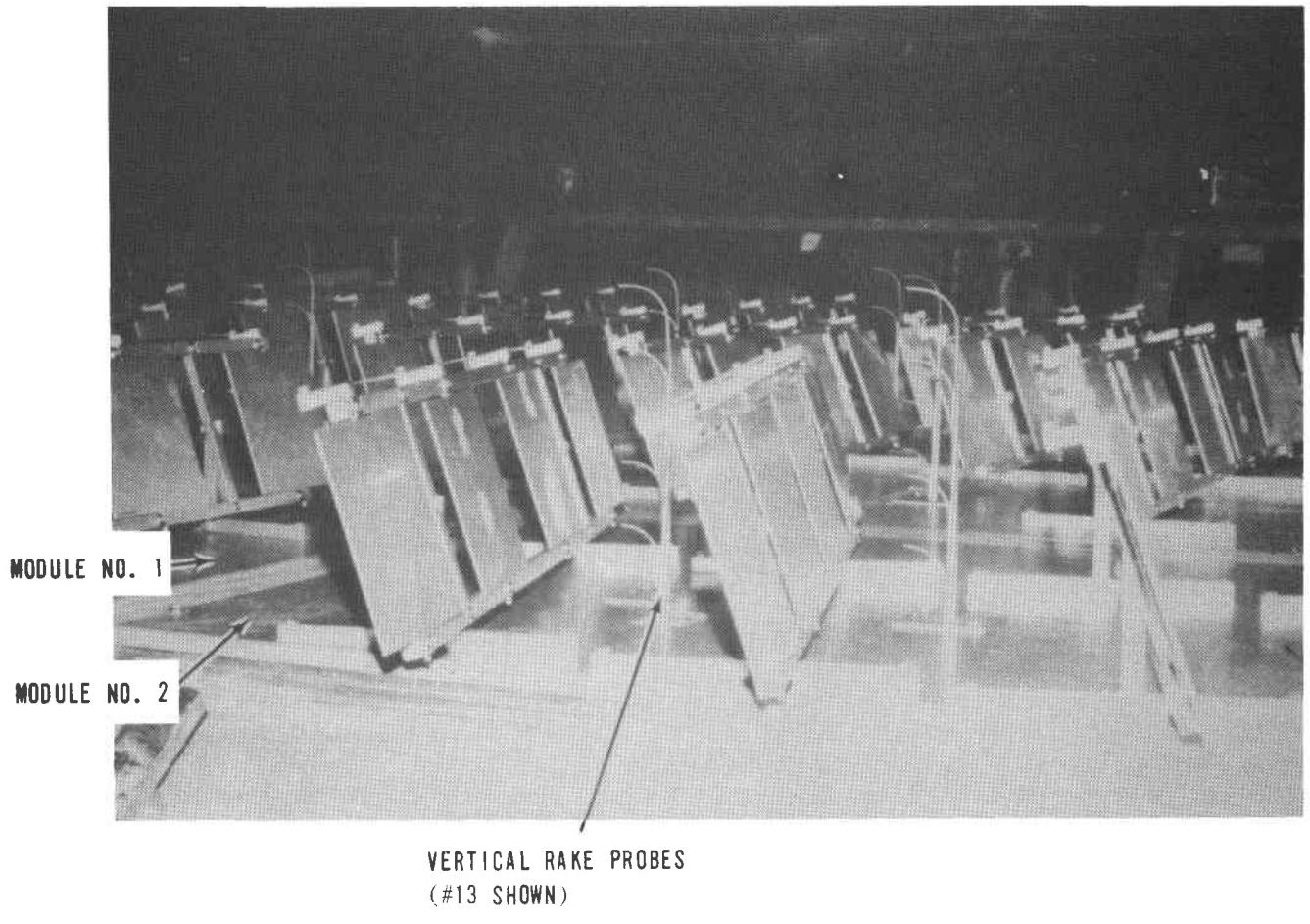
SIDE VIEW OF HELIOSTAT FIELD IN TUNNEL
WITH PROBES FACING UPSTREAM
(NOTE $\phi = 0^0$, $\theta = -75^0$)

FIGURE 6.   SIDE VIEW OF HELIOSTAT FIELD IN TUNNEL
WITH PROBES FACING UPSTREAM
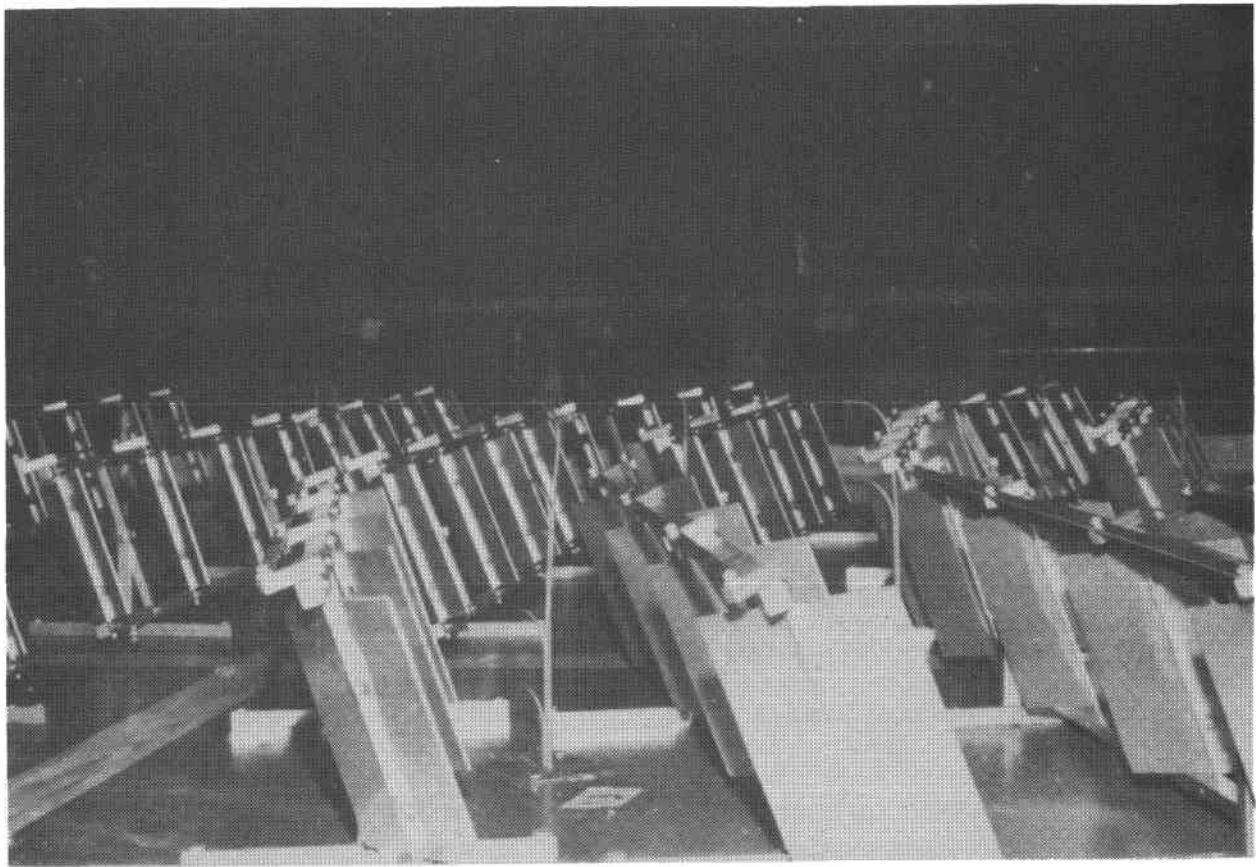
12

SIDE VIEW OF HELIOSTAT FIELD IN TUNNEL WITH PROBES
PARALLEL TO MIRROR MODULE INNER AXIS ANGLE

(NOTE $\phi = -30^0$, $\theta = -75^0$)

FIGURE 7. SIDE VIEW OF HELIOSTAT FIELD IN TUNNEL
WITH PROBES PARALLEL TO MIRROR MODULE INNER AXIS ANGLE

2.2   Test Setup and Instrumentation

2.2.1   Wind Tunnel Facility

The Georgia Tech nine foot diameter subsonic wind tunnel was selected because of its availability, lower operational costs, and test section size adequacy.   It is a conventional single-return wind tunnel powered by a 600 HP electric motor using a slip-clutch transmission assembly (Figure 8).   Maximum test chamber speed is 160 MPH. The test section itself has a 9 foot diameter circular cross section and a 12 foot length.

The tunnel speed control setup was similar to that described in Reference 2.   Air speed was maintained at a constant indicated air speed from speed to speed, day to day, by adjusting the fan RPM to maintain a constant alcohol level (specific gravity - 0.820) across the pitot tube (set at 13.2 inches above ground level between the boundary layer generator and the model's fence module (Figure 9)). In other words, (P-P∞) was maintained for each specified air speed regardless of changing ambient conditions.   The micrometer shown on the control console of Figure 10 was connected to the pitot tube and was set at the following levels; motor adjustments were made until the correct fluid height was reached.

Velocity (MPH)	Q_∞ Dynamic Pressure ($16/ft^2$)	Q_∞ (Inches of Alcohol)	Q_∞ (MM of Hg)
20	1.0735	0.240	0.368
30	2.303	0.541	0.8275
50	6.397	1.5017	2.298
90	20.727	4.865	7.447

This method also compensates for tunnel wind speed variations that result from different tunnel blockage ratios due to model configuration changes.   The mm Hg values were constants loaded into the data acquisition program prior to each run as discussed later.

2.2.2   Boundary Layer Simulation

In order to better simulate actual field conditions from a macroscopic standpoint, the Department of Energy's specified flow field boundary layer was also scaled by 1/30 resulting in a profile of

$$V_h = V_\infty \left(\frac{h}{13.2}\right)^{0.15}$$

where

   h = height in inches above the ground plane.

   V_∞ = set free stream velocity at a height of 13.2 inches.   (Tunnel speed set at this height).

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677-290

AIR EXCHANGER

TWIST VANES
MOTOR NACELLE

FAN

3°

CORNER VANES

600 HP
MOTOR

BOUNDARY LAYER MESH

BREATHER

DIFFUSER

TEST SECTION
(12' LONG, 9' DIAMETER)

SETTLING CHAMBER

ENTRANCE CONE
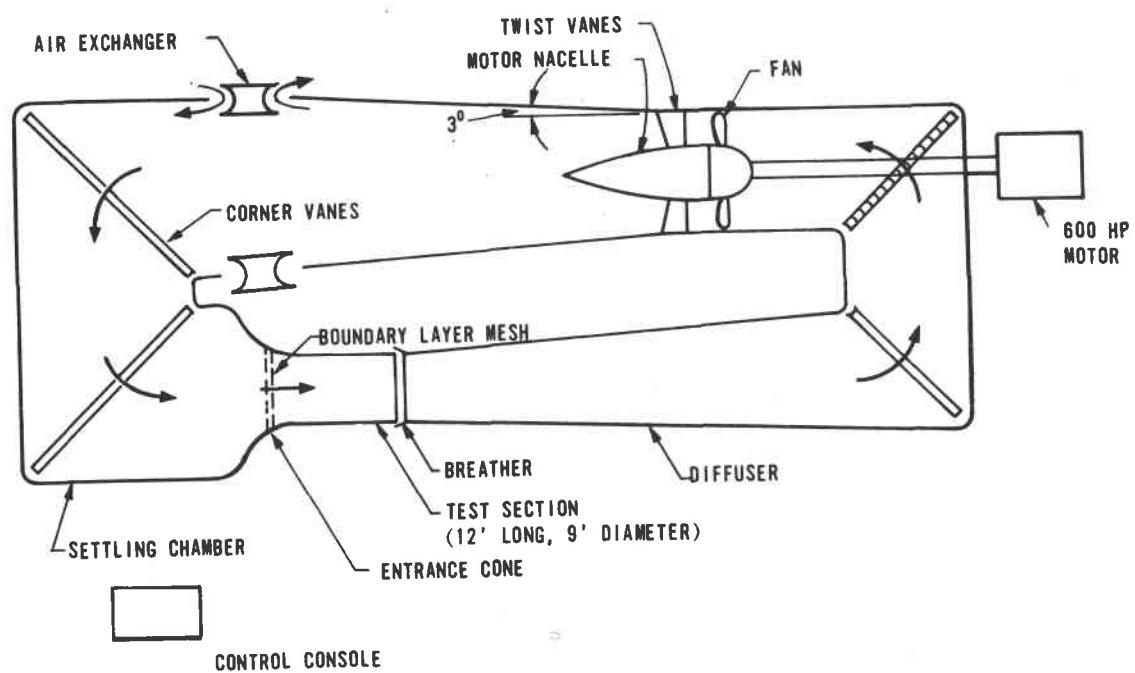
CONTROL CONSOLE

FIGURE 8. WIND TUNNEL DIAGRAM
(GEORGIA TECH SINGLE RETURN)

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BOUNDARY LAYER GENERATOR MESH

TUNNEL PITOT TUBE
(13.2" HEIGHT)

TUNNEL STATIC (P_{00})
PICKOFF

2-1/2''. 50%
POROSITY FENCE

(NOTE - HELIOSTATS IN STOW MODE, $\theta = \phi = 0^0$)
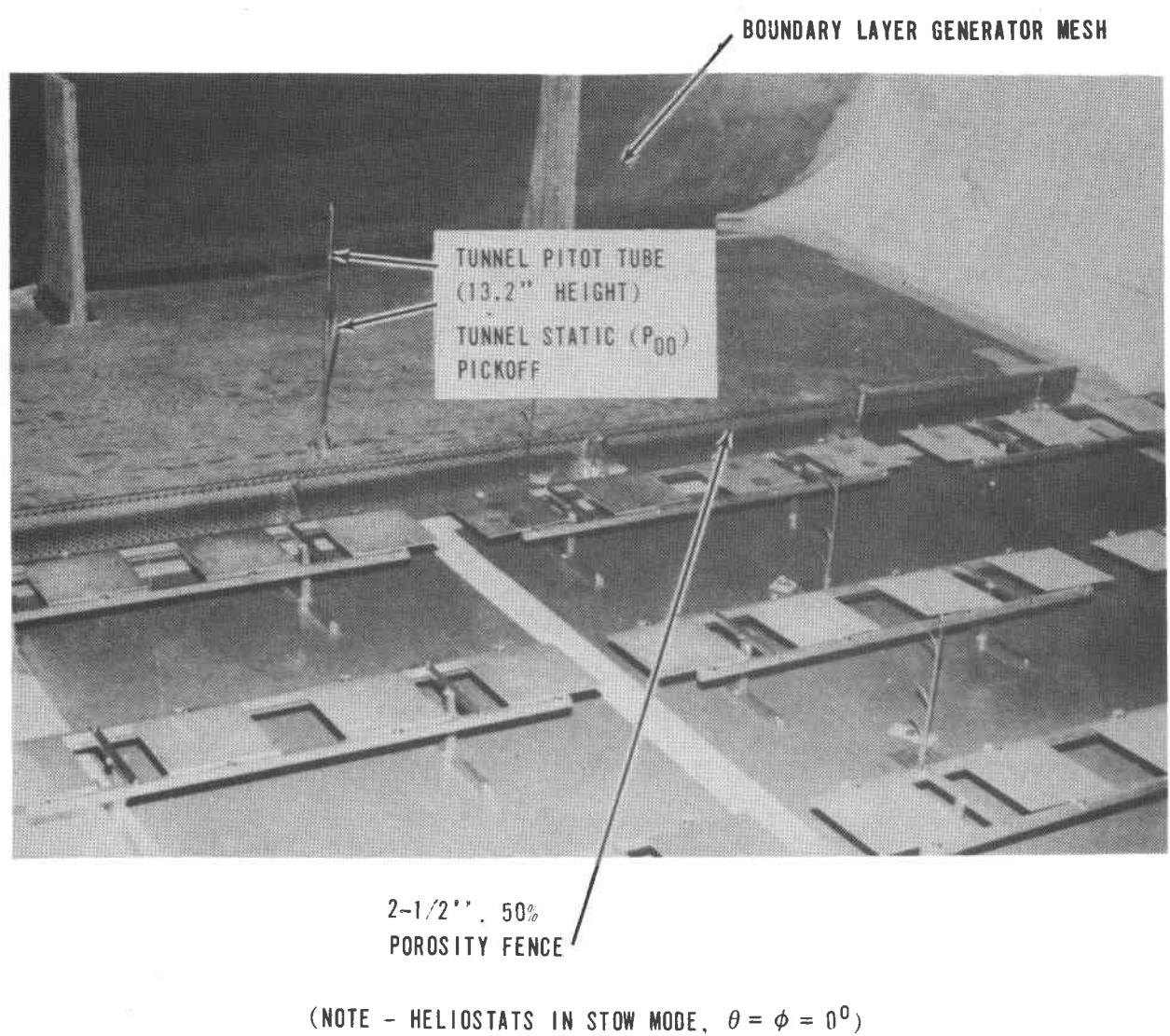
FIGURE 9.   VIEW OF FRONT PORTION OF ARRAY MODEL IN TUNNEL

FORCE
BALANCE
READOUTS

LEVEL
READING

MANOMETER
SETTING
(ALCOHOL HEIGHT)
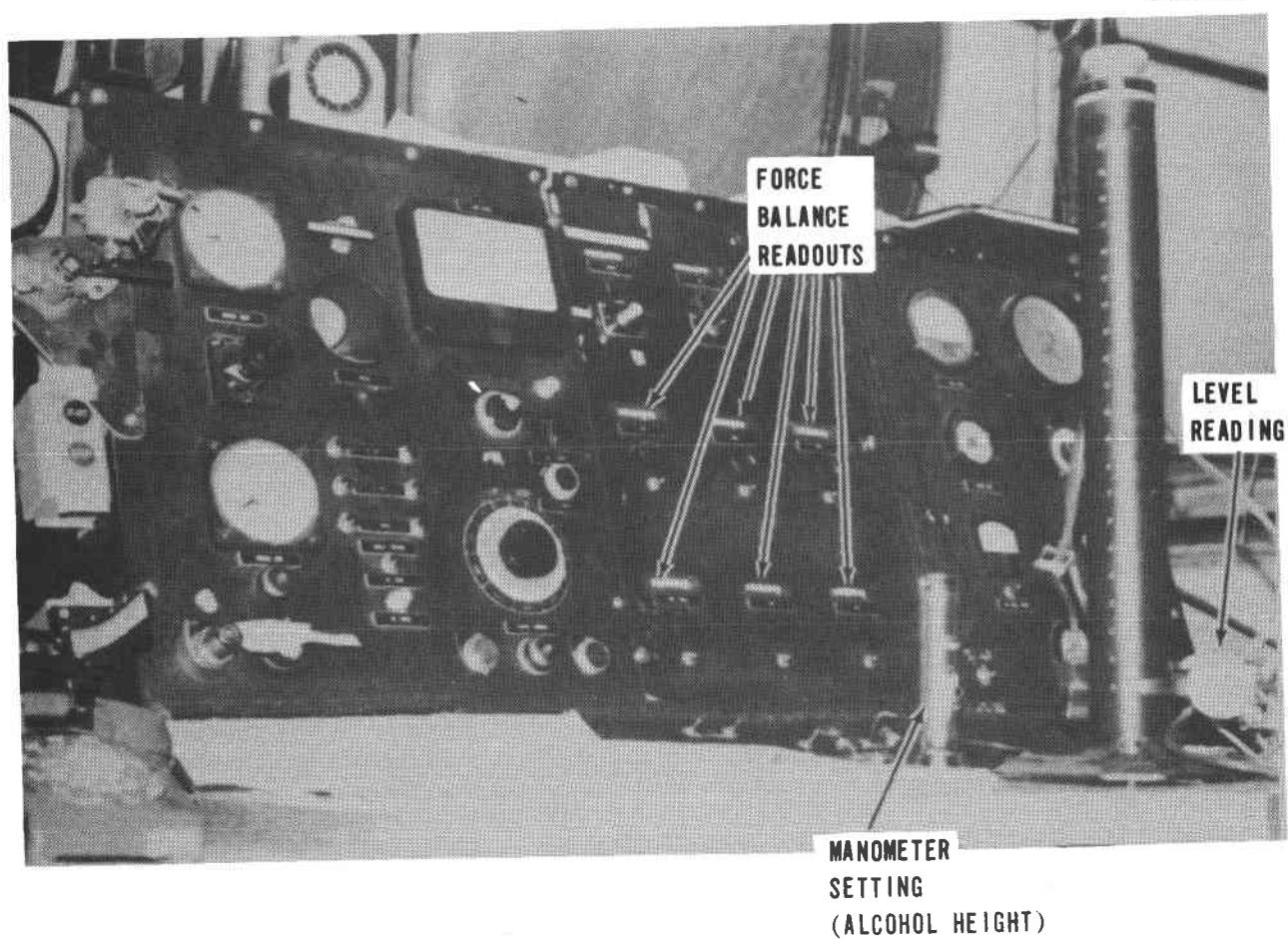
FIGURE 10.   TUNNEL CONTROL CONSOLE

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As was done in the test reported in Reference 2, the clear tunnel profile was altered up to a height of 15 inches by introducing different curved wire mesh upstream by trial and error until the above desired profile was approximate. Table III shows the desired V/V_∞ profile expected at the applicable special rake probe heights.

The rake was connected to a 45 degree inclined multimanometer board using alcohol with Spg = 0.830. After 7 mesh modifications the desired boundary layer was approximated using the same mesh configuration at 30, 50 and 90 MPH. Figure 11 shows the close approximation of the actual profiles and is plotted from the data presented in Table IV. This rake was removed prior to start of actual model testing.

2.2.3 Model Placement

Figure 12 shows a cross section of the model within the tunnel. A 66 inch wide flat floor was attached to the circular tunnel's walls. Then an additional 3-1/2 inch height was attained by attaching 2 x 4 cross members to the floor and then bolting the ground plane to the cross section. Plywood strips were then extended from the sides of the ground plane to the tunnel walls such that there was no flow slippage beneath the ground plane.

A special built-up throat faring was used to effect a smooth flow transition from the settling chamber through the entrance core upstream of the boundary layer generator mesh. This narrowing of the tunnel's throat speeded up the normal tunnel speed; again setting the tunnel's speed by the pitot tube in front of the fence module compensated for this variation. As can be seen from Figure 9, the model was placed about 4 feet behind the boundary layer mesh.

2.2.4 Pressure Data Instrumentation

The pressure data acquisition scheme was nearly identical to that used in our previous single model heliostat testing reported in Reference 2. Figure 13 depicts scheme used. Each of the 80 taps or probes throughout the field was routed to one of two 48 channel scanivalve units via the 1/16 ID Tygon tubing. Just prior to connecting to the scanivalve collector ports, each tube was adapted with an air-tight seal using a 1 inch length stainless steel tube and electrical shrink tubing to 6 inches of the thinner scanivalve tubing. Note that ports 1 through 40 of each scanivalve was used and that the same static pressure, P_∞, used for tunnel control was routed to both Barocels.

Both scanivalves were stepped simultaneously by the scanivalve solenoid controller; however, each scanivalve was connected to a separate Barocel pressure transducer whose electrical output in turn was connected to its own signal conditioner. The HP 2114B minicomputer and associated calibration and operational programs controlled the total data acquisition for each run after run

TABLE III. DESIRED V/V_∞ PROFILE

Probe No.	h [in.]	h/13.2	V/V_∞
1	0.75	0.0568	0.650
2	1.25	0.0947	0.702
3	1.81	0.137	0.742
4	2.31	0.175	0.770
5	3.31	0.251	0.812
6	4.37	0.331	0.847
7	6.31	0.478	0.895
8	9.25	0.700	0.948
9	12.37	0.937	0.990
10	13.0	0.984	0.997

$$V/V_\infty = (h/13.2)^{0.15}$$

h = height above the floor
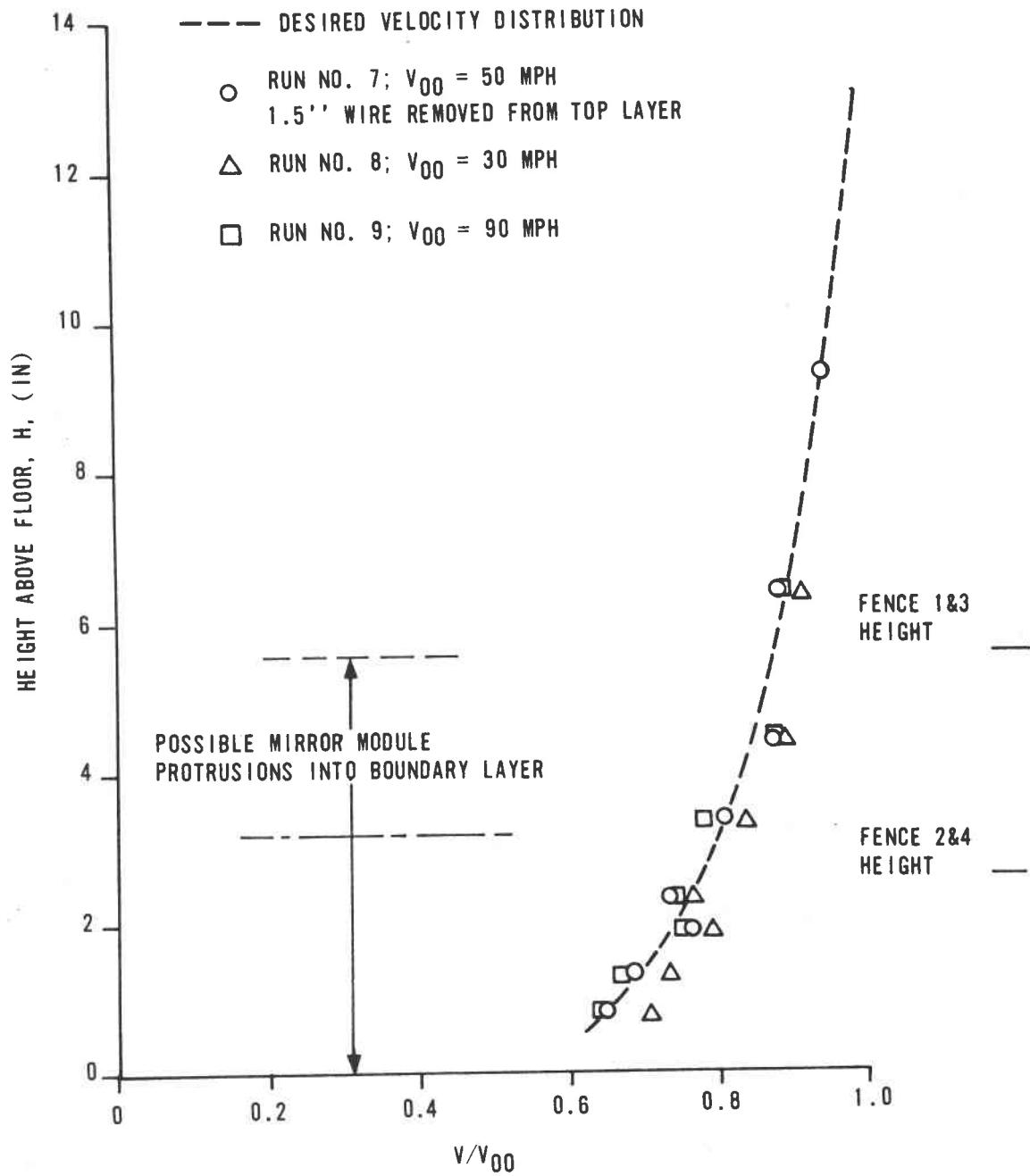
FIGURE 11.   MEASURED SCALED VELOCITY PROFILE AT
V_{OO} = 30, 50 and 90 MPH

TUNNEL FLOOR

GROUND PLANE

FARING TO TUNNEL WALL
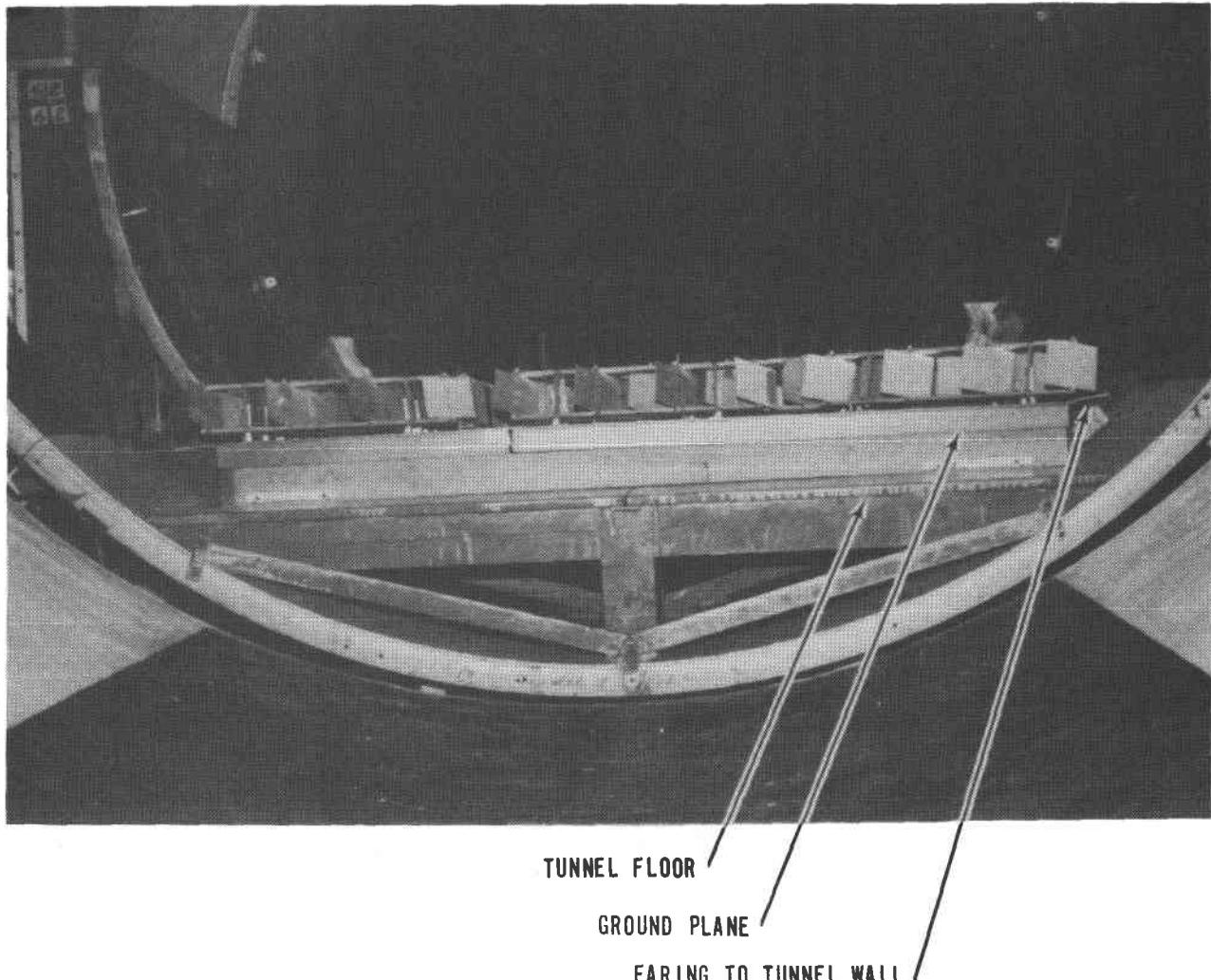
FIGURE 12.   CROSS SECTION OF MODEL PLACEMENT
IN 9 FOOT DIAMETER TUNNEL

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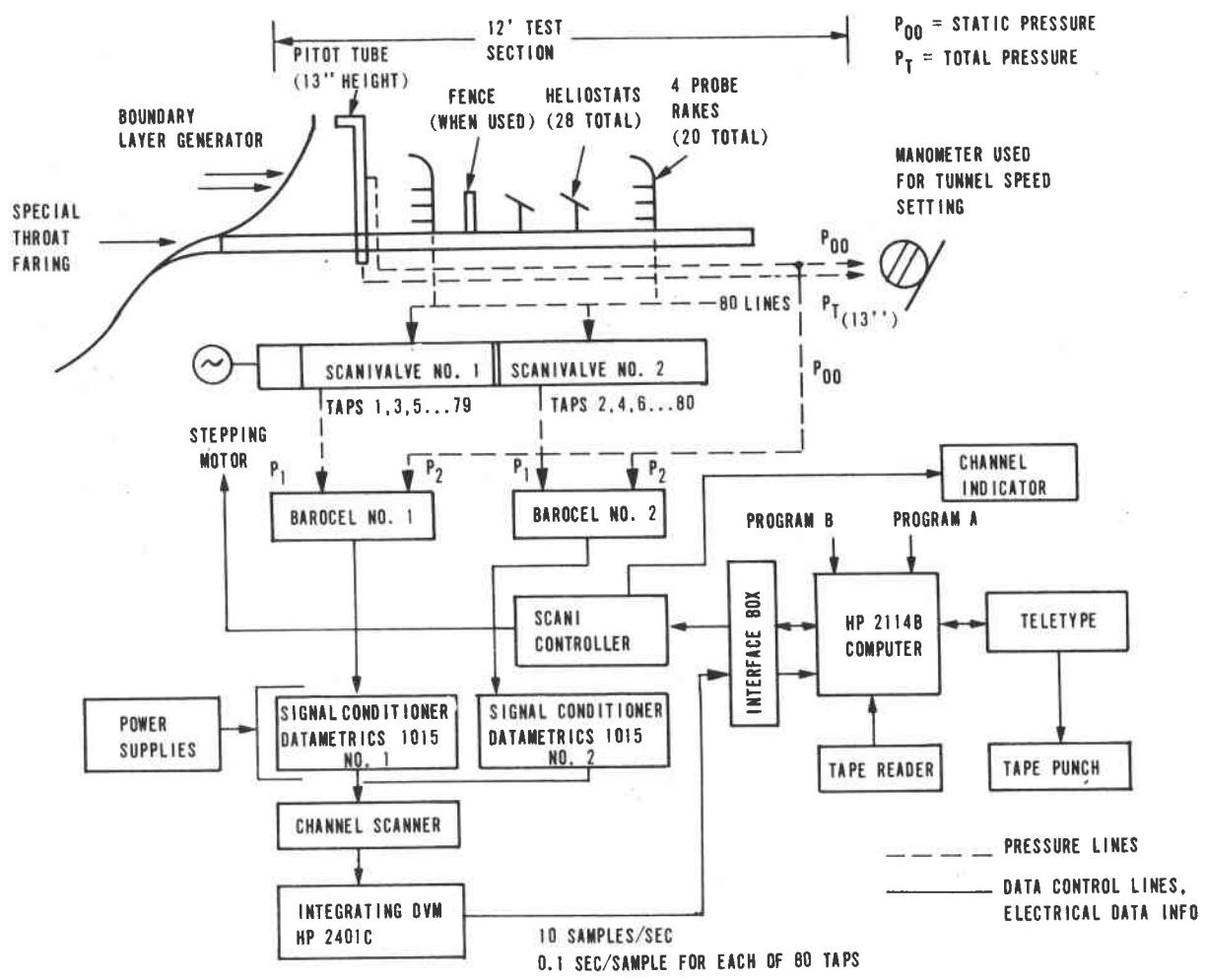
FIGURE 13.   PRESSURE DATA ACQUISITION SCHEME

TABLE IV. BOUNDARY LAYER RAKE DATA

Run No. 7; V_∞ = 50 mph
1.5 inch wire removed from top layer

Rake Probe No.	S [in]	q (in Alch)*	$+(q/q_{10})^{\frac{1}{2}}$
1	-3.3	0.632	0.655
2	-3.2	0.763	0.688
3	-2.35	0.340	0.764
4	-3.05	0.870	0.735
5	-2.08	1.05	0.807
6	-2.55	1.223	0.871
7	-2.5	1.258	0.883
8	-2.25	1.435	0.944
9	-2.05	1.577	0.989
10	-2.0	1.612	1.0
Static	-4.28	--	--

Run No. 8; V_∞ = 30 mph

Rake Probe No.	S [in]	q (in Alch)*	$+(q/q_{10})^{\frac{1}{2}}$
1	-3.82	0.325	0.703
2	-3.78	0.354	0.734
3	-3.7	0.410	0.730
4	-3.74	0.382	0.763
5	-3.63	0.460	0.837
6	-3.53	0.530	0.898
7	-3.5	0.551	0.916
8	-3.45	0.587	0.945
9	-3.35	0.657	1.0
10	-3.35	0.657	1.0
Static	-4.28	--	--

Run No. 9; V_∞ = 90 mph

Rake Probe No.	S [in]	q (in Alch)*	$+(q/q_{10})^{\frac{1}{2}}$
1	-1.6	2.17	0.649
2	-1.4	2.32	0.671
3	-0.6	2.88	0.748
4	-0.7	2.81	0.739
5	-0.2	3.17	0.785
6	+0.9	3.95	0.876
7	+1.1	4.09	0.891
8	+1.9	4.65	0.950
9	+2.5	5.08	0.993
10	+2.6	5.15	1.0
Static	-4.68	--	--

Notes:

* specific gravity = 0.83

+ $V_h/V_\infty = (q_h/q_\infty)^{\frac{1}{2}}$

constants were typed in via the teletype. Except for the two Barocels and two Scanivalve assemblies shown in Figure 14 which were immediately outside the tunnel, all other equipment was housed in two racks as shown in Figure 15. The following is the list of instrumentation hardware used.

- Barocel Pressure Transducers

  Channel 1: Capacity 10 mm Hg, Type 501-10

  Channel 2: Capacity 10 mm Hg, Type 511-10

- 2 Signal Conditioners, Datametrics Type 1015-S2

- 2 Scanivalve Units – Model 48J96M-1144 ganged together and activated via controller

- Model CTLR2/5XS4 Scanivalve Solenoid Controller

- Teletype with tape punch

- Hewlett Packard 2114B minicomputer

- Hewlett Packard tape reader, 2748B

- Monsanto Data Scanner, Model 508A

- Hewlett Packard Integrating DVM, Model 2401C

- Scanivalve position indicator

- Datametrics Power Supply, Type 700

Basically the pressure data acquisition scheme worked as follows. A BASIC program was written to daily perform an end-to-end calibration of each Barocel and its signal conditioner. Overnight the power was retained on these devices to minimize electrical drifts. This program was run prior to each day's testing and the applicable calibrated constants for each channel determined (zero voltage, signal conditioner full scale voltage, Barocel shorted offset voltage (null)) and stored into the 2114B memory. The main BASIC operational program developed for this testing effort was then loaded. Prior to each test run, the following data was loaded in:

- The unique test run number

- Number of channels to be sampled (usually all 80)

- The free stream dynamic pressure in terms of millimeters of Hg for the particular run
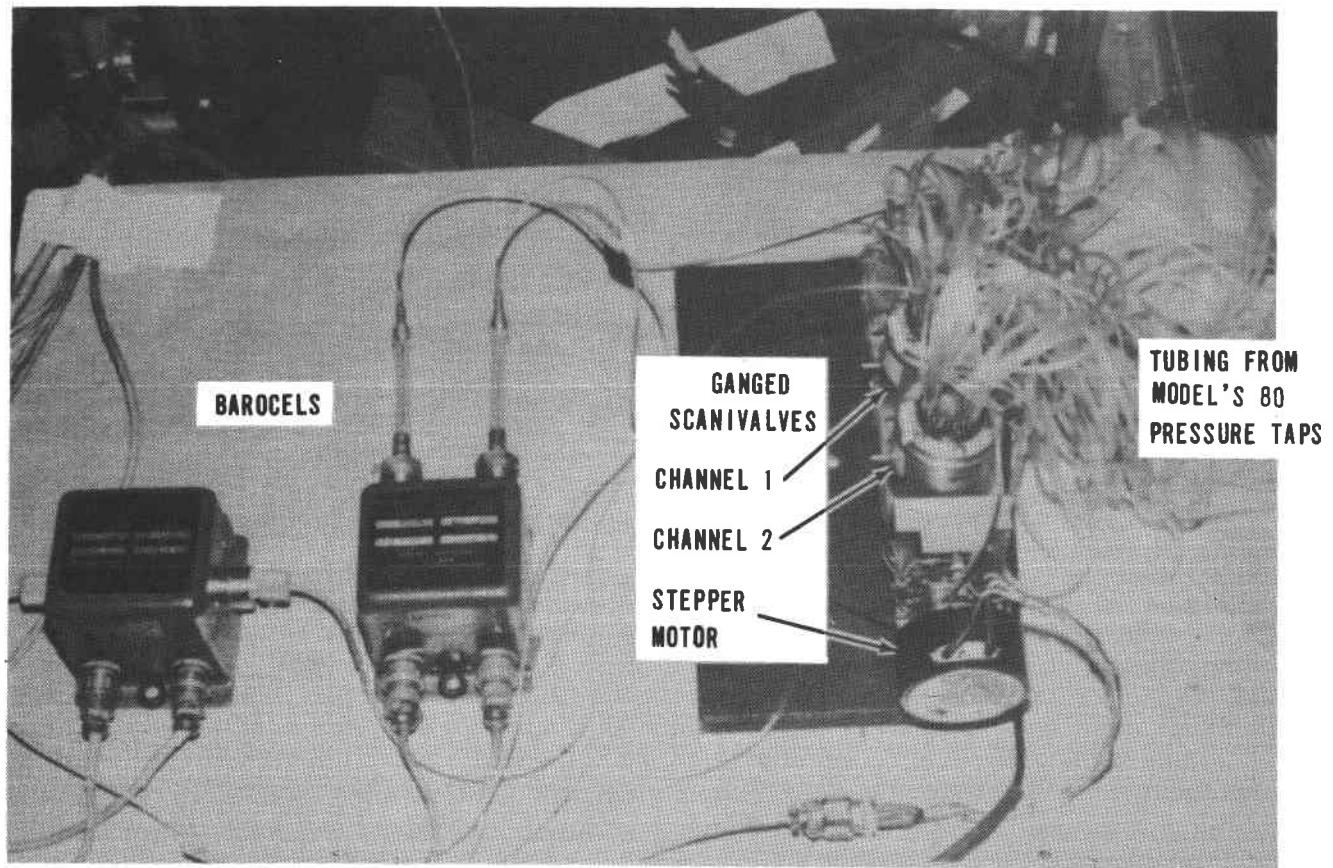
FIGURE 14. SCANIVALVE/BAROCEL INTERCONNECT

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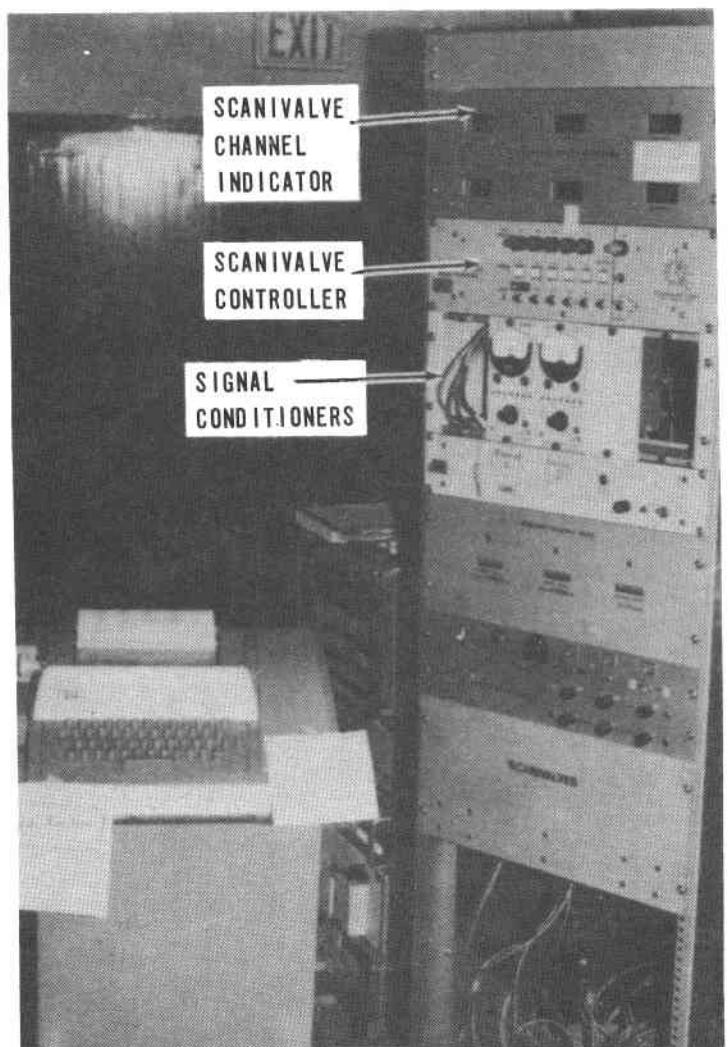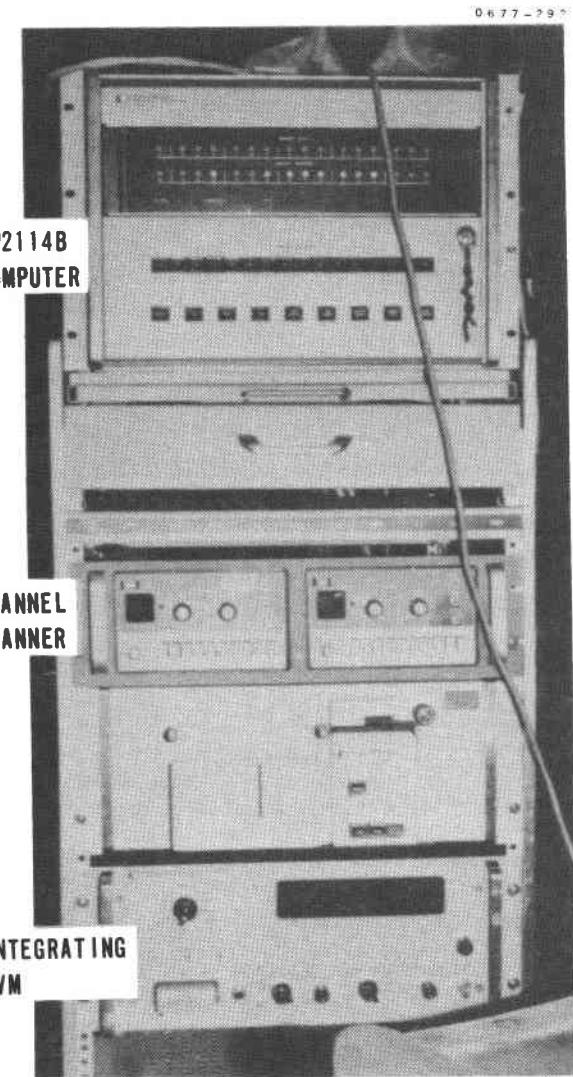
FIGURE 15. PRESSURE DATA ACQUISITION/CONTROL HARDWARE

- The signal conditioner's output full scale setting

  - 1 VDC for 20 and 30 MPH

  - 3 VDC for 50 MPH

  - 10 VDC for 90 MPH

  These values were selected to provide greater resolution at the lower speeds yet not saturate the output as a result of the Barocel's transducer input at a given wind speed.

Then under computer control, after the desired wind speed was attained and stabilized, the Scanivalve valves (the two mechanically ganged together) were stepped from port to port (1 through 40). The program allowed a one second settling time. Channel 1 Barocel signal conditioner was then read 10 times by the integrating DVM within 1 second (i.e., 10 readings were taken, each integrated over a period of 100 ms). Without stepping the scanivalves, channel 2 Barocel signal conditioner was read 10 times within 1 second via the integrating DVM. The computer then retained the maximum and minimum of the 10 readings, and averaged all 10 readings. Applying the calibrated scaling coefficients to the voltage readings, the non-dimensional pressure coefficients ($C_{p\ average}$, $C_{p\ max}$, $C_{p\ min}$) were computed and stored where

$$C_p = \frac{P_{indicated} - P_{static}}{q_\infty} \quad \begin{array}{l}) \text{ Barocel Reading} \\ ) \text{ Loaded in prior to run} \end{array}$$

The standard deviation of each 10 samples was also computed per the unbiased formula:

$$C_{p\sigma} = \left[\frac{10}{9} \times \left[\frac{\Sigma C_{pi}^2}{10} - \left(\frac{\Sigma C_{pi}}{10} \right)^2 \right] \right]^{1/2}$$

This parameter provided an indication of the amount of turbulence experienced at any particular pressure tap.

After the completion of each run, the data was printed on the teletype to obtain a hard copy and also punched onto paper tape for future use in case additional computerized post test data processing was desired. A copy of the data tape will be made available to interested parties.

2.3 Pressure Data Format

Appendix A provides a copy of all the pressure data acquired during the 91 test runs. Section 3 gives the actual configuration and environment associated with each run.

As a heading the run number is given prior to each group of data. The data is all given in terms of a non-dimensional pressure coefficient as defined in Paragraph 2.2.4. The pressure coefficients given for each pressure rake location are always grouped vertically as shown in Figure 16 from 1 through 20. Across the page is the specific data for each tap at a given location (4 taps per location). From left to right for the vertical rake probe locations, the first group is data associated with the tap 1.5 inches above the ground; the second group is data from the tap 3.0 inches above the ground; the third group is data from the tap 5.5 inches above the ground; and the fourth group is data from the tap 7.0 inches above the ground.

For the locations where the four angle probes are colocated at 5.5 inches above the ground (remember there are three of these), again from left to right, the data groups provide the pressure data associated with the 30 degree probe, 20 degree probe, 10 degree probe and 0 degree probe.

For runs 1 through 80, the four vertical entries associated with each data group are from top to bottom:

Average C_p over the 10 samples

Standard Deviation of the 10 C_ps

Maximum C_p of the 10 samples

Minimum C_p over the 10 samples.

Figure 16 annotates the above discussion using run 80 as an example.

Because of time constraints, to reduce the data output time, runs 81 through 91 contain only the average C_ps and the standard deviation of the 10 C_ps (i.e., the max-min values were not obtained). Otherwise, the output format of this group of runs is identical to the others.

The paper tape recording contains the exact same information shown in Figure 16 and Appendix A, including the heading output.

HONEYWELL CP DATA, RUN NO. 80

Run No. and Heading →

*Probe Location No.

	1.5" tap	3.0" tap	5.5" tap	7.0" tap	
1	.342625	.505099	.68475	.737147	← Average C_p
	1.69391E-02	5.59072E-03	3.21472E-02	1.81963E-03	← σ C_p
	.371961	.515	.731742	.791062	← Max C_p
	.315194	.498347	.627997	.735333	← Min C_p

	1.5" tap	3.0" tap	5.5" tap	7.0" tap
2	-.249468	-.231033	.578068	.651457
	7.69532E-03	6.91458E-03	2.82845E-02	3.22262E-03
	-.239681	-.222902	.619253	.666431
	-.26304	-.240465	.52399	.640151

	30° tap	20° tap	10° tap	0° tap
3 (all at 5.5" height)	.264966	.29346	.331363	.325216
	3.22721E-02	3.67215E-02	3.76531E-02	2.70910E-02
	.307886	.340021	.383142	.360966
	.215233	.212788	.284788	.272632

	30° tap	20° tap	10° tap	0° tap
4 (all at 5.5" height)	.317752	.353715	.373501	.353967
	4.28235E-02	1.79383E-02	3.36311E-02	2.24006E-02
	.391535	.382692	.41646	.389587
	.267041	.327792	.315977	.322978

	1.5" tap	3.0" tap	5.5" tap	7.0" tap
5	-.270139	-.252805	.141176	.54163
	1.36393E-02	7.37678E-03	5.19774E-02	1.89199E-02
	-.24738	-.235131	.234677	.586942
	-.296447	-.26024	5.31555E-02	.5163

	1.5" tap	3.0" tap	5.5" tap	7.0" tap
6	-.102724	-8.19960E-02	.103136	.365975
	2.05910E-02	2.64794E-02	5.67114E-02	4.16249E-02
	-7.40795E-02	-4.15493E-02	.179607	.43369
	-.135674	-.112191	-1.18322E-02	.300732

	1.5" tap	3.0" tap	5.5" tap	7.0" tap
18	.341228	.391903	.44624	.548278
	3.29312E-02	1.88162E-02	2.93873E-02	3.07319E-02
	.40341	.422502	.504155	.605936
	.307103	.363959	.413026	.516321

	30° tap	20° tap	10° tap	0° tap
19	.364992	.410975	.424199	.416569
	5.17056E-02	2.20670E-02	3.72636E-02	3.06616E-02
	.437601	.452424	.501544	.467515
	.279438	.334934	.386446	.37905

	1.5" tap	3.0" tap	5.5" tap	7.0" tap
20	.368268	.41	.477807	.491329
	2.97017E-02	1.74902E-02	2.57565E-02	1.45559E-02
	.420114	.431738	.517074	.519313
	.326809	.37931	.433123	.470507

* See Figure 5.

FIGURE 16. ANNOTATED DATA OUTPUT EXAMPLE

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SECTION 3

TEST CONDUCT AND SEQUENCE

Most of the first week of the two week test program was occupied with assembling the model, adapting it to the tunnel, faring in the throat and generating the 1/30 scaled boundary layer. Once applicable test runs were initiated, Table V was maintained to reflect accurately the run number, total model and fence configuration, wind speed, the time of day, and periodically, ambient conditions along with pertinent notes. Some model changeovers took as much as two hours to implement between runs. As an overview, the following chronology is provided:

Jan 8   - Model transport to Atlanta, Georgia.

Jan 9/Jan 12   - Adapted model and tunnel, routed tubing, inte-
                  grated instrumentation, final software
                  checkout, etc.

Jan 12/Jan 13   - Completed throat faring and created scaled
                  boundary layer.

Jan 13   - Completed runs 1 through 5. The angle probes
                  were located at locations 2, 3 and 4 within
                  the ground plane.

Jan 16   - Completed runs 6 through 23. Note that from
                  run 8 on to the end of the program, the angle
                  probes were positioned at locations 3, 4 and 19.
                  Location 2 was providing no useful flow reentry
                  angle information. Test 13 was performed at 30
                  and 50 MPH using a tuff wand to visually observe
                  the flow field within the model.

Jan 17   - Completed runs 24 through 38.

Jan 18   - Completed runs 39 through 52.

Jan 19   - Completed runs 53 through 70. At run 57, yarn
                  tuffs were taped to the ground plane.

Jan 20   - Completed runs 71 through 91. Starting with 81,
                  program change was made to eliminate max-min Cp
                  output.

Jan 20/21   - Model teardown and transport to St. Petersburg,
                  Florida.

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NOTE:
Fence Config
0 = No fence
1 = 2½" Solid
2 = 2½" 50%
3 = 5½" Solid
4 = 5½" 50%

TABLE V.   TEST SEQUENCE/CONFIGURATION

DATE: _____ 1/13/78 _____

Test Number	V_∞ (MPH)	Fence Config	θ Deg	ϕ Deg	γ Deg	Modules Total/ No. Upstream	Time Of Day	Remarks During Test
1	30	0	0	0	0	2/1	1430	↓ probes #2, 3, and 4. Barocel probe had to be rerun; connected backward.
2	50	0	0	0	0	2/1	1510	
3	90	0	0	0	0	2/1	1535	
4	50	1	0	0	0	2/1	1602	
5	90	1	0	0	0	2/1	1615	Invalid results.
Retake 5	90	1	0	0	0	2/1	1635	

NOTE:
Fence Config
0 = No fence
1 = 2½" Solid
2 = 2½" 50%
3 = 5½" Solid
4 = 5½" 50%

TABLE V. TEST SEQUENCE/CONFIGURATION
(Continued)

DATE: 1/16/78

Test Number	V_∞ (MPH)	Fence Config	θ Deg	φ Deg	γ Deg	Modules Total/No. Upstream	Time Of Day	Remarks During Test
6	50	2	0	0	0	2/1	0803	∮ probes #2, 3, and 4.
7	90	2	0	0	0	2/1	0840	∮ probes #2, 3, and 4. Had to abort 1st run #7, low oil pressure.
8	50	3	0	0	0	2/1		∮ probes #3, 4 and 19. Changed because 5.5" directly behind fence. Epoxied base, #19.
9	90	3	0	0	0	2/1		
10	50	4	0	0	0	2/1	1005	T = 71°F, P = 29.40" Hg.
11	90	4	0	0	0	2/1	1029	
12	30	4	0	0	0	2/1	1044	T = 73°F, P = 29.39" Hg.
13	30 and 50	4	0	0	0	2/1		Tuff run - visual observations as to what boundary layer is doing.
14	30	4	-75	0	0	2/1	1239	
15	50	4	-85	0	0	2/1	1255	Oil leak - tunnel. T = 72°F, P = 29.32" Hg.
16	30	3	-75	0	0	2/1	1330	
17	50	3	-75	0	0	2/1	1355	
18	50	1	-75	0	0	2/1	1406	

NOTE:
 Fence Config
 0 = No fence
 1 = 2½" Solid
 2 = 2½" 50%
 3 = 5½" Solid
 4 = 5½" 50%

TABLE V. TEST SEQUENCE/CONFIGURATION
(Continued)

DATE: __1/16/78__

Test Number	V_∞ (MPH)	Fence Config	θ Deg	ϕ Deg	γ Deg	Modules Total/ No. Upstream	Time Of Day	Remarks During Test
19	30	1	-75	0	0	2/1	1424	
20	30	2	-75	0	0	2/1	1442	T = 72°F, F = 29.27" Hg.
21	50	2	-75	0	0	2/1	1457	
22	50	2	-75	-30	0	2/1	1544	
23	30	2	-75	-30	0	2/1	1600	

NOTE:
Fence Config
0 = No fence
1 = 2½" Solid
2 = 2½" 50%
3 = 5½" Solid
4 = 5½" 50%

TABLE V. TEST SEQUENCE/CONFIGURATION
(Continued)

DATE:___1/17/78___

Test Number	V_∞ (MPH)	Fence Config	θ Deg	φ Deg	γ Deg	Modules Total/ No. Upstream	Time Of Day	Remarks During Test
24	30	1	-75	-30	0	2/1	0804	⟩ #3, 4, and 19. Note some printouts in error - includes letters in numbers; punched as such.
25	50	1	-75	-30	0	2/1	0828	T = 70°F, P = 28.99" Hg.
26	50	3	-75	-30	0	2/1	0859	
27	30	3	-75	-30	0	2/1		
28	30	4	-75	-30	0	2/1	0940	
29	50	4	-75	-30	0	2/1	0956	Started slide film.
30	50	0	-75	-30	0	2/1	1020	
31	30	0	-75	-30	0	2/1		
32	30	0	-25	-30	0	2/1	1335	T = 70°F, P = 28.96" Hg. Changed teletypes, reset OA ⟩.
33	50	0	-25	-30	0	2/1	1352	
34	30	0	-25	-30	0			Test run - Barocel #1 and #2 connected to Scanivalve main port #1. Took 8 sample taps to confirm operation of Barocel. Results ok.
35	30	1	-25	-30	0	2/1	1449	Had to rerun at 1509. Paper tape punch invalid.
36	50	1	-25	-30	0	2/1		

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NOTE:
 Fence Config
 0 = No fence
 1 = 2½" Solid
 2 = 2½" 50%
 3 = 5½" Solid
 4 = 5½" 50%

TABLE V. TEST SEQUENCE/CONFIGURATION
(Continued)

DATE:___1/17/78___

Test Number	V_∞ (MPH)	Fence Config	θ Deg	φ Deg	γ Deg	Modules Total/ No. Upstream	Time Of Day	Remarks During Test
37	50	2	-25	-30	0	2/1	1539	
38	30	2	-25	-30	0	2/1	1555	

NOTE:
Fence Config
0 = No fence
1 = 2½" Solid
2 = 2½" 50%
3 = 5½" Solid
4 = 5½" 50%

TABLE V. TEST SEQUENCE/CONFIGURATION
(Continued)

DATE:___1/18/78___

Test Number	V_∞ (MPH)	Fence Config	θ Deg	φ Deg	γ Deg	Modules Total/No. Upstream	Time Of Day	Remarks During Test
39	30	3	-25	-30	0	2/1	0802	T = 70°F, P = 29.22" Hg.
40	50	3	-25	-30	0	2/1	0819	
41	50	4	-25	-30	0	2/1	0839	
42	30	4	-25	-30	0	2/1		
43	30	4	+25	-30	0	2/1	1035	Change OA to +25°.
44	50	4	+25	-30	0	2/1	1050	T = 71°F, P = 29.27" Hg. Configuration change to address flow pattern change.
45	50	3	+25	-30	0	2/1	1108	
46	30	3	+25	-30	0	2/1	1125	
47	30	1	+25	-30	0	2/1	1340	
48	50	1	+25	-30	0	2/1	1357	
49	50	2	+25	-30	0	2/1		
50	30	2	+25	-30	0	2/1	1430	
51	30	0	+25	-30	0	2/1		
52	50	0	+25	-30	0	2/1	1510	T = 72°F, P = 29.24" Hg.

NOTE:
 Fence Config
 0 = No fence
 1 = 2½" Solid
 2 = 2½" 50%
 3 = 5½" Solid
 4 = 5½" 50%

TABLE V.   TEST SEQUENCE/CONFIGURATION
(Continued)

DATE: ___1/19/78___

Test Number	V_∞ (MPH)	Fence Config	θ Deg	φ Deg	γ Deg	Modules Total/ No. Upstream	Time Of Day	Remarks During Test
53	30	3	-75	-30	0	2/1	0922	All probes rotated ≈ 60° except #1 and #2 to be parallel to MM. Attempt to determine degree of flow channelization.
54	50	3	-75	-30	0	2/1	0940	B&W film used. T = 71°F, P = 28.97" Hg.
55	50	4	-75	-30	0	2/1	0956	
56	30	4	-75	-30	0	2/1		
57	30	2	-75	-30	0	2/1	1045	Tuffs put on floor permanently.
58	50	2	-75	-30	0	2/1	1101	
59	50	1	-75	-30	0	2/1	1119	
60	30	1	-75	-30	0	2/1	1134	T = 73°F, P = 29.02" Hg.
61	30	0	-75	-30	0	2/1	1240	
62	50	0	-75	-30	0	2/1	1255	
63	50	0	-75	90	0	2/1	1358	Probes turned back to the front. T = 73°F, P = 28.93" Hg.
64	30	0	-75	90	0	2/1		
65	30	1	-75	90	0	2/1	1424	Strong reverse flow noted behind row #1 - severe gradient.

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NOTE:
Fence Config
0 = No fence
1 = 2½" Solid
2 = 2½" 50%
3 = 5½" Solid
4 = 5½" 50%

TABLE V. TEST SEQUENCE/CONFIGURATION
(Continued)

DATE: 1/19/78

Test Number	V_∞ (MPH)	Fence Config	θ Deg	ϕ Deg	γ Deg	Modules Total/ No. Upstream	Time Of Day	Remarks During Test
66	50	1	-75	90	0	2/1	1440	
67	50	2	-75	90	0	2/1	1455	
68	30	2	-75	90	0	2/1	1511	
69	30	3	-75	90	0	2/1	1529	
70	50	3	-75	90	0	2/1	1543	T = 74°F, P = 28.84" Hg.

NOTE:
Fence Config
0 = No fence
1 = 2½" Solid
2 = 2½" 50%
3 = 5½" Solid
4 = 5½" 50%

TABLE V.   TEST SEQUENCE/CONFIGURATION
(Continued)

DATE:___1/20/78___

Test Number	V_∞ (MPH)	Fence Config	θ Deg	φ Deg	γ Deg	Modules Total/ No. Upstream	Time Of Day	Remarks During Test
71	50	4	-75	90	0	2/1	0755	
72	30	4	-75	90	0	2/1	0815	T = 72°F, P = 28.99" Hg.
73	30	4	+18	0	0	1/2	0918	Module #2 in same position, #1 heliostats removed. Attempt to see if any difference with inner row packing influences.
74	50	4	+18	0	0	1/2	0934	
75	50	0	+18	0	0	1/2		
76	30	0	+18	0	0	1/2	1005	
77	30	0	0	0	0	0/0	1025	Ground planes only. Need to check rake #16, 3" high port probe on #16 found to be bent straight down.
78	90	0	0	0	0	0/0		
79	90	1	0	0	0	0/0	1103	T = 77°F, P = 29.04" Hg.
80	50	1	0	0	0	0/0	1119	
81	30	1	0	0	0	0/0	1136	Deleted max-min Cp printout from here on to speed up runs.
82	20	1	0	0	0	0/0	1148	Purpose is to only check flow transition after fence.

NOTE:
Fence Config
0 = No fence
1 = 2½" Solid
2 = 2½" 50%
3 = 5½" Solid
4 = 5½" 50%

TABLE V. TEST SEQUENCE/CONFIGURATION
(Continued)

DATE:____1/20/78____

Test Number	V_∞ (MPH)	Fence Config	θ Deg	φ Deg	γ Deg	Modules Total/ No. Upstream	Time Of Day	Remarks During Test
83	30	4	0	0	0	0/0	1202	
84	50	4	0	0	0	0/0	1214	
85	90	4	0	0	0	0/0	1225	
86	30	3	0	0	0	0/0	1239	T = 77°F, P = 29.05" Hg.
87	50	3	0	0	0	0/0	1249	
88	90	3	0	0	0	0/0		
89	90	2	0	0	0	0/0	1313	
90	50	2	0	0	0	0/0	1325	
91	30	2	0	0	0	0/0	1338	

As was stated in Section 2, prior to each day's run the Barocels and signal conditioners were recalibrated and the new ranges and biases used. With power left on, there was very little daily change. For instance, from January 16 to January 20 the voltage output calibrations changed as follows:

Date	Channel	Full Scale (Volt)	Zero Voltage	Null Voltage (Barocel Shorted)
Jan 16	1	10.0069	-6.0×10^{-4}	1.703×10^{-4}
	2	10.0403	1.0×10^{-4}	2.076×10^{-4}
Jan 20	1	10.0031	-8.0×10^{-4}	-9.89×10^{-5}
	2	10.0352	4.0×10^{-4}	1.125×10^{-4}

Approximately 55 photographs were taken during the set up and test runs.

As a functional grouping of run types, the following summary may be useful to the reader. Unless otherwise noted, all probes faced upwind (directly forward).

		Run Nos.
1)	Open ground plane with no heliostats - only fence and speed variations	77-91
2)	Module No. 2 only (inner rows)	73-76
3)	$\theta=0°$, $\phi=0°$ with fence and speed variations, both modules	1-13
4)	$\theta=-75°$, $\phi=0°$ with fence and speed variations, both modules	14-23
5)	$\theta=-75°$, $\phi=-30°$ with fence and speed variations, both modules	24-31
6)	$\theta=-25°$, $\phi=-30°$ with fence and speed variations, both modules	32-42
7)	$\theta=+25°$, $\phi=-30°$ with fence and speed variations, both modules	43-52
8)	$\theta=-75°$, $\phi=-30°$ with fence and speed variations, both modules and probes facing parallel to mirror module	53-62
9)	$\theta=-75°$, $\phi=90°$ with fence and speed variations, both modules	63-72

Generally speaking, with the heliostats-in a stowed orientation ($\phi=\theta=0°$) or when evaluating the fence only influences, runs at 50 and 90 MPH were normally made. When the heliostats were at operational orientations, runs were always made at wind speeds of only 30 and 50 MPH.

At least two wind speeds were always run at each model configuration in order to ascertain if there were any significant scaling effects.

From run 57 on through 91, yarn tuffs were taped to the floor and visual observations made.

SECTION 4

TEST RESULTS

4.1 General Discussion

The following three subsections give a discussion with regards to the validity of the test data results and a proposed method of using the information presented in Appendix A.

4.1.1 Quality of Data With Respect to Model Scaling

Honeywell has contended during the last 1-1/2 years while supporting the Solar Subsystem Research Experiments that results from scale model wind tunnel heliostat wind loads could not be considered to be quantative if the scale were reduced much below 1/15. However to acquire representative field quantity size and still stay within program costs, a scaling of approximately 1/30 was dictated. Also this was the scale being used by other vendors under separate contracts, so from a DOE commonality standpoint, our model was also built to a 1/30 scale, which allowed a field segment of 28 heliostats to be evaluated. This means each mirror module on the heliostat was 4 by 4 inches and the total length in the stow mode was 24 inches.

Based upon the mirror module dimensions the Reynolds Number (RN) for most runs used are:

Speed (MPH)	RN
30	1.04×10^5
50	1.73×10^5
90	3.12×10^5

Obviously if the fence length/height or heliostat length parameters are used, the characteristic RN would be higher. There are three reasons why it is felt, now that the test has been completed, that the results are believable and good from a qualitative standpoint.

1) There is no intent to directly apply the pressure distribution loads determined against a heliostat surface. The gradients measured were not on the surface, but near heliostats. Local surface variations due to local shadowing/blocking of the frame onto the mirror modules, etc., as noted in Reference 2 cannot be deduced from the data acquired within this 1/30 scale model test program. Instrumentation to acquire moments and loads directly must be integrated into the model design.

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However, because a heliostat field with fence is made of nothing but sharp-edged bodies, the air flow pattern around the field is relatively independent of Reynolds number effect. That is, with nonrounded surfaces, the flow field is tripped or separated at all of the edges immediately. Therefore overall pressure loading results can be extrapolated to full scale fairly confidently since we are in the linear RN flow regime.

Reference 3 demonstrates for flat plates that the non-dimensionalized pressure drag is unaffected by scaling effects when RN $>10^3$ and for height to span (or width) ratios of 0.3 or greater. Of course this data refers to plates submerged in a freestream with no boundary layer influences; ground effects would modify this correlation to some extent, but not by an order of magnitude.

2) Tunnel blockage even with the full length 5-1/2 inches high solid fence remained <5 percent. Therefore the wake blockage corrections and interference effects can be neglected. Because of the scaling, the freestream airstream above the models protrusions into the boundary layer was unconfined, thereby better simulating the total atmospheric ambient/ground interactions. The net flow directional changes would be the parameter most influenced by an inadequate freestream to model influenced flow ratio within the constraints of this type of testing. If actual heliostat moments or drag coefficients were being obtained, of course, the directional changes would not be the most influenced parameter; these coefficients would be.

Because of the width extent of the heliostat field and fence (when used) the tunnel wall effects do not extend to the measurements taking along the centerline of the model. However, the direct wall effects are detected by locations 7, 9, 13 and 15, as would be expected. This means that the full scale two-dimensional pressure effects due to the fence are dominant rather than the load reducing three dimensional pressure relief effects.

The fact that the induced profile was potentially maintained for the length of the test section after the boundary layer generator screen mesh is exhibited by runs 77 (30 MPH) and 78 (90 MPH) where the local profile gradients were obtained with no fence and no heliostats placed on the ground plane. The exact profile could never be retained the entire field depth, but a close approximation was maintained from locations 1 and 2 through 20 with some strength dissipation noted at velocity extremes towards the back edge of the field. A good gradient was always maintained, however, because a clear tunnel profile reaches a $V_H/V_\infty \simeq C_{ph}/C_{p\infty} = 1.0$ at a height (h) of only 2 inches (Reference 2) and this magnitude was never reached, even at the 7.0 inch height.

Also by observing the angle direction probes at locations 3, 4, and 19, during runs 77 and 78, it is demonstrated that the flow was relatively parallel to the ground plane at a height of 5.5 inches above the ground plane. There was only a little evidence of any significant macro-level flow reentry from the freestream (tunnel mass flow) into the model's sphere of influence due to non-model induced influences.

3) For a given fence/heliostat gimbal configuration the non-dimensional average pressure coefficients at each tap of each rake remained relatively constant over different wind speed ranges. For the smaller pressures near ground level, the average C_p may vary by over 100 percent from run to run. However, the absolute magnitude is always very small (<0.05) and the turbulence is often ± the same order of magnitude as the average value itself. Some variation is expected along ground level due to wind speeds.

At the higher positive or negative pressures the C_p variation from speed to speed was usually proportionally much less (<20 percent) and the turbulence was normally an order of magnitude less than the recorded absolute values. If scaling were a major contributor of error, then these C_p difference magnitudes would be much greater since, for example, the pressure forces are directly proportional to V^2, or factors as much as $(90/30)^2 = 9$ or $(50/30)^2 = 2.8$.

With respect to turbulence, scaling is briefly addressed in Paragraph 4.1.2.4.

4.1.2 Hardware Influence on Data Quality and Malperformances

4.1.2.1 Malfunctions

Most test runs were conducted smoothly. On three occasions the tunnel run was aborted because of motor glitch or operator error. These cases were rerun. However a few isolated pieces of data are invalid as follows.

1) Runs 77 and 78, Location 16, 3.0 inches high tap. This data is invalid because the probe was bent during model change over and not noticed until the suspicious data was observed.

2) Runs 89, 90, and 91, Location 1, 7.0 inches high tap. Same reason as 1) above.

3) Run 24 through 31. A few digits within the data matrix were typed via the teletype as letters. A new teletype was used starting with run 32 and this anomaly was not observed again.

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4.1.2.2 Angular Probe Sensitivity

The ID/OD ratio of the copper tubing used for probes was 0.361. Per Reference 4, the angular sensitivity for such square ended tubes would fall between the parametric curves for d/D = 0.408 and 0.075. Figure 17 is an excerpt from data presented in Reference 4.

As can be seen, flow angular sensitivities of less than 10 degrees off normal can be detected by the probe configurations used in the test. Even though Figure 4 shows the 5.5 inch high directional probes soldered together, prior to test start, the angle probe tips were separated laterally by greater than 1/8 inch to insure no mutual air flow interferences.

4.1.2.3 Barocel Calibration

Section 3 demonstrated that the day to day calibration of the transducer and signal conditioners did not exhibit any significant drift.

Run 34 was made by taping probes 1.5 inches of locations 1 and 2 and probes 7.0 inches of locations 1 and 2 into both Barocels simultaneously. As can be seen in Figure 18 from the first eight pressure taps the readings from the two different Barocel/signal conditioner channels using the same pressure input (at a time interval 2 seconds later, of course) give nearly identical results. The 10 percent difference shown at tap 1.5 of location 2 can be attributed to the lower absolute pressure ($Cp \simeq 0.3$) and the higher proportional level of turbulence ($Cp \simeq 6\text{-}7$ percent of Cp average) exhibited. Remember that the second channel's data is taken 2 seconds after the first channel's. Minor variations in the flow pattern can result in this time interval due to motor RPM changes, associated time lags in tunnel speed compensations, and local flow variations.

4.1.2.4 Turbulence

The standard deviation of the 10 samples for each tap is presented to give a rough feel as to the magnitude of turbulence. Also, where given, the maximum-minimum Cp values provide some clue. Obviously this method gives only the longitudinal variations and not the vertical or cross axis turbulence components.

Since in the full atmospheric scale, gusts or macroscopic level turbulences can approach 1000-4000 feet along with 100 degree orientation changes within seconds; a 1/30th scale would imply scaled eddies of 30-130 feet which are impossible to simulate within the 12 foot tunnel test section length. Eddies induced by structures in the field are often an order of magnitude greater than the structure itself, while induced eddies in wind tunnels appear to have magnitudes of an order of magnitude less than the model size.

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PITOT PRESSURE-p

1/2 p V^2
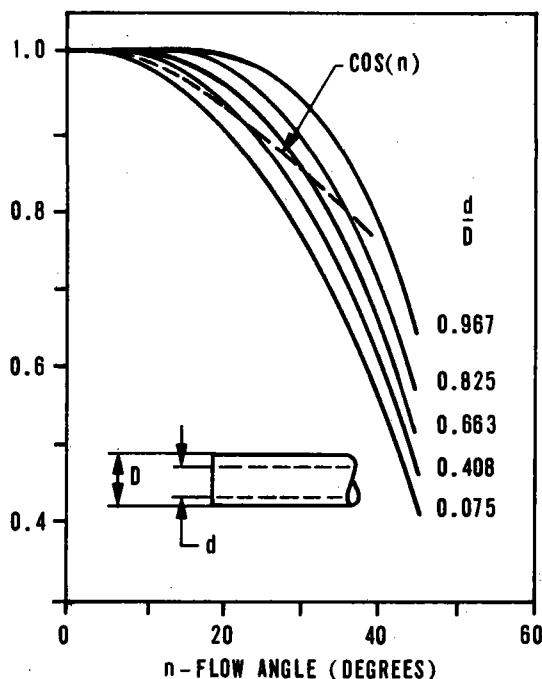
FIGURE 17. SQUARE END PRESSURE PROBE ANGULAR SENSITIVITY
(DATA FROM REFERENCE 4)

HONEYWELL CP DATA, RUN NO. 34

CHANNEL 1	CHANNEL 2	CHANNEL 1	CHANNEL 2
.504067	.493163	.77479	.779482
2.63689E-03	4.83144E-03	4.78669E-03	3.43326E-03
.509455	.507532	.780552	.784287
.500515	.492358	.767867	.774412
.296758	.319898	.67157	.67597
1.36980E-02	2.25016E-02	1.27218E-02	1.24880E-02
.314831	.357473	.693448	.692276
.277259	.290392	.656722	.658314

FIGURE 18. PARALLEL BAROCEL CHANNEL TEST RUN

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One other model influence upon the turbulence measurements is a slight peak degradation within the 100 ms single sample interval due to the pressure pulse response time. The 1/16 ID tubing, at 10-15 feet in length will have some dampening effect upon actual short term pressure transients.

However, by observing the statistics of the flow variations, within the model, represented by σCp, as a function of the configuration changes, it is felt that an idea as to the influence of the wind speed and the fence and heliostat geometries can be obtained and estrapolated to full scale central receiver solar power plants. For instance, if large variations occur near the ground as exhibited within the first few rows behind the fence and large longitudinal variations occur near the upper edges of the heliostats, very severe gradients can temporarily form across an operational heliostat, causing very severe temporary moment induced mechanical stresses within the drive mechanisms. Also, a large amount of heliostat buffeting by the wind tracking could cause a small percent of daily energy loss due to redirected insolation target misses.

The "turbulence" data presented by this report format may suggest to the reader the need for either further wind tunnel testing or full scale testing with adequate instrumentation.

4.1.3 Utilization of Pressure Data Presented in Appendix A

Subsection 2.3 defines the format of all the pressure data acquired over the 91 test runs. Appendix A contains a copy of this data; the test conditions and model configuration for each run identified by the run number can be found by correlating the run number with the information found in Table V.

The quantity of data is large, as can be seen. It is felt that rather than trying to comprehend the total presentation, the reader should perform the following two steps:

1) Become familiar with the probe locations, model configuration represented by given runs, and the data groupings of Appendix A.

2) Generate the question to be answered and go search through the applicable data to determine an answer. In some cases absolute, or quantative, answers may not be found, but instead trends may be observed.

Subsection 4.2 takes this approach. No off-line data reduction routines were generated as done in Reference 2; only example engineering surveys of the data made and an answer given. If the reader were to devise a desired sophisticated analysis necessitating the use of an off-line computer, files of all the data could be created on disk or magnetic tape or in core from the punched paper tape and the required automated evaluation then performed.

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In any evaluation mode, care must be taken in order to properly apply the data limitations discussed in Subsection 4.1 (e.g., wall effects, turbulence designation significance, temporarily damaged probes, etc.).

4.2 Some Test Results and Analyses

The following paragraphs identify specific questions and then addresses the data in an effort to answer the questions.

4.2.1 Boundary Layer Maintenance

Does the scaled boundary layer maintain itself scross the width and length of the ground plane?

This question has already been answered affirmatively under the scaling discussion. From

$$Cp = \frac{\Delta P}{q_\infty} = \frac{1/2\rho \left[V_\infty \left(\frac{h}{13.2}\right)^{0.15}\right]^2}{1/2\rho\ V_\infty^2} - \frac{P_\infty}{q_\infty}$$

It can be seen that the boundary layer as represented by the pressure taps should reflect

$$Cp \simeq \left(\frac{h}{13.2}\right)^{0.3} - \frac{P_\infty}{q_\infty} \text{ or for indicated air speed:}$$

h (Inches Above Ground Plane)	$Cp \left(\frac{h}{13.2}\right)^{0.3}$	$V/V_\infty \left(\frac{h}{13.2}\right)^{0.15}$
1.5	0.521	0.722
3.0	0.641	0.801
5.5	0.769	0.877
7.0	0.827	0.909

Runs 77 (30 MPH) and 78 (90 MPH) show that the approximate Cp profile exists for the length of the model with some flow dissipation near the tunnel walls (locations 7, 9, 13, 15) and at the back end of the field when no obstacles are placed within the flow.

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4.2.2 Flow Reentry Angle

Under what conditions does the flow field appear to reenter the heliostat field, as a result of the field flow interference, at a reentry angle of 10 degrees or greater from the horizontal?

Procedure: Review all runs and note under what conditions the pressure is greater for taps 1, 2, or 3 than for tap 4 (pointing horizontal) for the three angle probes. Of particular interest are the cases where the heliostats themselves are in the stowed orientation. Note that one angle probe was removed from location 2 to location 19 for runs 8 through 91.

Results: By observing runs 79 through 91 where only fence variations are introduced at speeds from 30 to 90 with no heliostats, the following data is ascertained at a height 5.5 inches above ground level.

Run No.	Probe Location	Reentry Angle	Speed/Fence	Remarks
1	4	10-20	30/0	Heliostats $\phi=\theta=0°$
2	4	10-20	50/0	
3	3	0-10	90/0	
3	4	10-20	90/0	
4	4	≈10	50/1	
5	3	10-20	90/1	Small P
5	4	10-20	90/1	
6	3	≈10	50/2	
6	4	≈20	50/2	
8	4	≈10	50/3	Small P
8	19	≈0-10	50/3	
9	4	10°	90/3	Small P
10	4	20°	50/4	Small P
10	19	10-20	50/4	
11	4	≈10	90/4	Small P
11	19	≈10	90/4	
12	4	≈10	30/4	Small P
77	4	10	30/0	Fence Only
77	19	10	30/0	
78	4	10	90/0	
79	3	0-20	90/1	
79	4	0-20	90/1	
79	19	0-20	90/1	
80	3	10	50/1	
80	4	10	50/1	
80	19	10	50/1	
81	3	10	30/1	
82	19	0-10	20/1	
83	4	≈10	30/4	Small P
84	19	≈10	50/4	
85	19	≈10-30	90/4	
86	4	10-20	30/3	Small P

Run No.	Probe Location	Reentry Angle	Speed/Fence	Remarks
86	19	0-10	30/3	Fence Only
87	19	0-10	50/3	
88	4	10-20	90/3	Small P
88	19	10	90/3	
89	4	10-20	90/2	
90	4	10	50/2	
91	4	10	30/2	

NOTE - Small P means Cp <0.10

Notice three trends:

1) The shorter fences (configurations 1 and 2 at 2.5 inches high) create the majority of the noted larger reentry angles (up to nearly 30 degrees) within the model length. The taller fence may have a predominate influence at a depth greater than the model's effective length, but this is actually unknown.

2) There is greater relative turbulence at the lower speeds 30, 50 MPH than at 90 MPH. However this does not mean that the absolute level of pressure extremes are greater than those experienced at 90 MPH due to the larger net dynamic pressures.

3) The higher the wind speed, the larger the reentry angle is, is observed as a general ominious trend.

When runs 79-91 are compared to runs 1 through 12 where all heliostats are within the field at the stowed orientation, it is observed that the majority of the reentry angles are smaller in magnitude with heliostats than when no heliostats are within the field. Also, as an average, the net pressure at the 5.5 inches height are less when heliostats are present.

From an overview standpoint, this may be explained by conjecturing that the field of heliostats, all in a stowed configuration, presents an elevated pseudo ground plane to the free stream thereby showing the net free stream boundary layer higher. This idea is certainly supported by comparing the significantly lower (by an order of magnitude) pressures exhibited by taps 1.5 inches and 3.0 inches of runs 1 through 12 as compared to corresponding fence configurations of runs 79 through 91 as the rear of the field is approached (locations 14, 16, 20, etc.). Also, in further support, at a height of 7.0 inches, the pressures are somewhat less at the same probe locations when heliostats are present (e.g., compare run 8 with run 87, fence 3, 50 MPH or run 6 with run 90, fence 2, 50 MPH, etc.).

From a wind barrier viewpoint, it does appear that a taller fence either solid or porous, will tend to reduce the reentry angle from that caused by a shorter fence, below the heliostat's centerline.

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4.2.3 Adverse Vertical Pressure Gradients

What conditions cause and where is the existence of the largest pressure gradients within the field?

Procedure: Review all runs and note locations where (2 through 20) (Cp 7.0 - Cp 1.5 inches) is arbitrarily greater than 0.4 and (Cp 5.5 - Cp 1.5 inches) is arbitrarily greater than 0.3. These arbitrary values are selected as a criteria to week out most of the data.

Results: Table VI was created as a worksheet showing the specific survey results. For some cases the actual of ΔCp is given under "Remarks". In summary, the following general observations can be made:

1) For a given fence/heliostat orientation geometry, the appearance of the ΔCp gradients is relatively independent of wind speed. For example the locations of the larger gradients nor the magnitudes between run 22 (50 MPH) and 23 (30 MPH) do not significantly change (see Table VI). Note, however, there is more energy in the 50 MPH gradient than the 30 MPH gradient even though the non-dimensional ΔCp is nearly the same.

2) For runs 1 through 12, the larger gradients are omnipresent for the reason described in Paragraph 4.2.2, but there would be no significant impact to the heliostats because their angular orientation ($\theta = \phi = 0°$) is such that the heliostats will not experience a large induced moment. The larger pressure gradients will have a signficant influence upon the heliostat drive mechanisms when they are in operational orientation.

3) The absolute, most severe gradients occur in front of the first row of heliostats when the solid 2.5 inch high fence is used. (See Location 2, Runs 66, 18, 24, 35, etc.) This is true regardless of the heliostat orientation, even though the orientation has some influence. Using the mesh fences (short or tall) reduces the gradient as would be expected. However, when a porous fence or no fence is used, strong gradients appear deeper into the field as can be seen by observing the rakes at locations 5 (behind the first heliostat row) and 6 (behind the second row). See runs 32 through 42. With the solid fences, the tunnel wall effects (locations 7, 9, 13, 15) are also more prevalent.

4) There is no significance difference in the induced field vertical pressure gradients between the heliostat's intercepting the flow at a positive angle of attack ($\theta = -25°$, Runs 32 through 42) and the interception at a negative angle of attack ($\theta = +25°$, Runs 43 through 52).

TABLE VI.   GRADIENT EVALUATION

Heliostat Configuration	Speed (MPH)	Fence	ΔCp Exceeds 0.3 $5.5 \to 1.5$	ΔCp Exceeds 0.4 $7.0 \to 1.5$	Run No.	Remarks ΔCp 5.5	ΔCp 7.0
$\theta=0$, $\phi=0$	30-90	0	≈all	≈all	1-3		
	50	1	5	5	4	0.42	0.77
				6			
			7	7			
				8			
			18	18			
			20	20			
	90		5	5	5	0.42	0.80
			7	7			
			8	8			
			16				
			18	18			
			20	20			
	50	2	5	5	6	0.69	0.77
			6	6			
			8	8			
			10	10			
			11	11			
			12	12			
			14	14			
			16	16			
			17	17			
			18	18			
			19	19			
			20	20			
	90	2	5	5	7	0.57	0.71
			8	8		0.48	0.70
			10	10			
			11	11			
			12	12			
			14	14			
			16	16			
			17	17			
			19	19			
			20	20			

TABLE VI. GRADIENT EVALUATION (Cont)

Heliostat Configuration	Speed (MPH)	Fence	ΔCp Exceeds 0.3 5.5→1.5	0.4 7.0→1.5	Run No.	Remarks ΔCp 5.5	ΔCp 7.0
θ=0, φ=0	50	3		2	8	Largest gradient = 0.4. } probe at 19 from here on	
			9	9			
			13				
				15			
			18	18			
			20	20			
	90	3		2	9	≈0.43	
				9			
				15			
				18			
				20			
	50	4		2	10	≈0.73	
				5			
	90	4		2	11	0.76	
				5			
	30	4		2	12	0.42	
θ=-75°, φ=0°	30	4		2	14	0.62	5 is ≈ uniform
	50	4		2	15	0.67	5 is ≈ uniform
	30	3		2	16	0.44	5 is ≈ uniform
			9	9			
				13			
				15			
	50	3		2	17	0.47	5 is uniform
				13			
				15			
	50	1	2	2	18	0.70	0.87
				5		0.61	
	30	1	2	2	19	0.67	0.84
				5		0.61	
				9			
	30	2		2	20	0.56	0.61
				5			
	50	2	2	2	21	0.57	0.59
				5			

TABLE VI. GRADIENT EVALUATION (Cont)

Heliostat Configuration	Speed (MPH)	Fence	ΔCp Exceeds 0.3 5.5→1.5	ΔCp Exceeds 0.4 7.0→1.5	Run No.	Remarks ΔCp 5.5	ΔCp 7.0
$\theta=-75°$, $\phi=-30°$	50	2	2	2	22	0.64	0.66
				5			
				6			
	30	2	2	2	23	0.62	0.65
				5			
				6			
	30	1	2	2	24	0.71	0.91*
				5			0.56
	50	1	2	2	25	0.79	0.91*
				5			0.57
	50	3	7	7	26		
				9			
				13			
				15			
				18			
	30	3		7	27		
				9			
				13			
				15			
	30	4		2	28		
	50	4		2	29		
		0	2	2	30		
				5			0.72
				6			0.43
	30	0	2	2	31		
				5			
				6			
$\theta=-25°$, $\phi=-30°$	30	0	2	2	32		
			5	5			
			6	6			
			8	8			
				11			
			16	16			
				18			

* Largest

TABLE VI.   GRADIENT EVALUATION (Cont)

Heliostat Configuration	Speed (MPH)	Fence	ΔCp Exceeds 0.3 5.5→1.5	ΔCp Exceeds 0.4 7.0→1.5	Run No.	Remarks ΔCp 5.5	ΔCp 7.0
$\theta=-25°$, $\phi=-30°$	50	0	5	5	33		
			6	6			
		-	8	8			
				12			
			16	16			
	30	1	2	2	35	0.75	0.88
			5	5			0.70
			7	7			
			9	9			
			13	13			
			15	15			
			16	16			
	50	1	2	2	36	0.77	0.89
			5	5		0.38	0.76
			7	7			
			9	9			
			13	13			
				15			
			16				
	50	2	2	2	37	0.66	0.71
			5	5		0.63	0.76
			6	6		0.49	0.69
				12			
			16	16			
	30	2	2	2	38	0.64	0.69
			5	5		0.62	0.75
			6	6		0.52	0.68
			12	12			
			16	16			
				18			
	30	3	7	7	39		
			9	9			
			13	13			
			15	15			
			18	18			

TABLE VI.   GRADIENT EVALUATION (Cont)

Heliostat Configuration	Speed (MPH)	Fence	ΔCp Exceeds 0.3 5.5→1.5	0.4 7.0→1.5	Run No.	Remarks ΔCp 5.5	ΔCp 7.0
θ=-25°, φ=-30°	50	3		7	40		
			9	9			
			13	13			
			15	15			
			18	18			
	50	4		2	41		0.73
				5			0.52
	30	4		2	42		0.69
				5			0.51
θ=+25°, φ=-30°	30	4		2	43		0.80
				5			0.48
	50	4		2	44		0.72
				5			0.50
	50	3		2	45		0.44
			15				
			16				
	30	3		2	46		0.40
				15			
			16				
			20	20			
	30	1	2	2	47	0.66	0.82
			5	5			0.76
				6			
			7	7			
				9			
				13			
			15	15			
			18	18			
				20			
	50	1	2	2	48		
			5	5			
				6			
			7	7			
				9			

TABLE VI. GRADIENT EVALUATION (Cont)

Heliostat Configuration	Speed (MPH)	Fence	ΔCp Exceeds 0.3 5.5→1.5	ΔCp Exceeds 0.4 7.0→1.5	Run No.	Remarks ΔCp 5.5	Remarks ΔCp 7.0
$\theta=+25°$, $\phi=-30°$			12	12			
			13	13			
			15	15			
				16			
			18	18			
	50	2	2	2	49	0.66	0.69
			5	5		0.65	0.76
				6			
			7	7			
			8	8			
				9			
			10	10			
				11			
			12	12			
				15			
				16			
			18	18			
			20	20			
	30	2	2	2	50		
			5	5			
				6			
			7	7			
			8	8			
				10			
				11			
			12	12			
			15	15			
			18	18			
	30	0		2	51	Boundary Layer Only	
			5	5		0.42	0.48
				6			
				7			
				8			
				10			
			11	11			
				15			
				18			

TABLE VI. GRADIENT EVALUATION (Cont)

Heliostat Configuration	Speed (MPH)	Fence	ΔCp Exceeds 0.3 $5.5 \rightarrow 1.5$	ΔCp Exceeds 0.4 $7.0 \rightarrow 1.5$	Run No.	Remarks ΔCp 5.5	ΔCp 7.0
θ=+25°, φ=-30°	50	0	5	5	52	0.41	0.49
				6			
				7			
				8			
				9			
				10			
			11	11			
			16				
			18	18			
θ=-75°, φ=-30°, probes turned parallel to mirror modules					53-62	Relative gradients similar to runs 22 through 31	
θ=-75°, φ=90°	50	0		5	63		
				12			0.42
				18			
	30	0	2		64		
				5			
				12			
				18			
	30	1	2	2	65	0.72	0.87
				5			0.69
				7			
	50	1	2	2	66	0.77	0.91*
				5			0.73
	50	2	2	2	67	0.64	0.71
			5	5			0.74
				6			
				8			
	30	2	2	2	68		
			5	5			
				6			
				18			

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TABLE VI.   GRADIENT EVALUATION (Cont)

Heliostat Configuration	Speed (MPH)	Fence	ΔCp Exceeds 0.3 5.5→1.5	0.4 7.0→1.5	Run No.	Remarks ΔCp 5.5	ΔCp 7.0
θ=-75°, φ=90°	30	3			69	None	
	50	3			70	None	
	50	4		2	71		0.72
				5			
	30	4		2	72		0.67
θ=+18°, φ=0°	30	4		18	73		
Module 2 only	50	4			74		
	50		13	13	75		
			14	14			
			15	15			
			16	16			
			17	17			0.61
				18			
				20			
	30	0	13	13	76		
			14	14			
			15	15			
			16	16			
				17			
				18			
			20	20			

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5) Runs 75 and 76 (no outer perimeter heliostats present on module 1) and 51 and 52 demonstrate that with no barrier or fence present, gradients induced by the heliostat field itself are sustained deeper into the field than when a vertical fence (with no lateral spaces for three dimensional flow relief) interrupts the flow.

6) The strong reverse flows along the ground (indicated by negative Cp's) created by the fences are the primary cause of the larger net pressure gradients. Figure 19 shows a photograph of the yarn tuffs near the ground plane pointing upstream during a test run behind the fence. With respect to the heliostats, this type of gradient will impose large axial moments because the pressure distribution on the mirror module's entire back side (downstream) surface will remain a relatively uniform negative value.

A note of caution must be applied to all of the pressure gradient discussions above. The probes are not adjacent to the mirror module surfaces. Due to local mechanical interference variations, these gradients cannot be accurately applied to obtain possible heliostat moments. Reference 2 still provides the best, usable data to directly obtain axial moments.

4.2.4 Field Flow Channelization

What macro-influence does the heliostat arrays have upon redirecting the air flow from the primary wind axis within the heliostat field itself?

Procedure: Compare pressure tap data of the identical configuration runs of 22 through 31 and 53 through 62 run by run. The first group has probes 1 → 20 facing directly upstream while runs 53 through 62 has probes 3 through 20 rotated $\gamma=-60°$ or such that they are roughly parallel with the mirror module inner axis angle. ($\theta=-75°$, $\phi=-30°$). See Figure 7 and Figure 20.

Determine if the pressures read greater in one of cases than the other.

Results: In no case is there any evidence that the heliostats influenced the flow direction at a height at (5.5 inches) or above (7.0 inches) the heliostat's protrusion into the wind's boundary layer. However with some fence types at heliostat height (3.0 inches) there are definite indications of flow direction alternations between heliostats.

With no fence (compare at 3.0 inches tap, runs 61 and 31, 62 and 30) there is significant channelization behind the first and second rows (locations 5 and 6), but deeper into the field there is only a very weak indication of flows parallel to the mirror modules. The probes facing to the front (runs 31 and 30) have slightly greater negative readings than when facing parallel to the modules.

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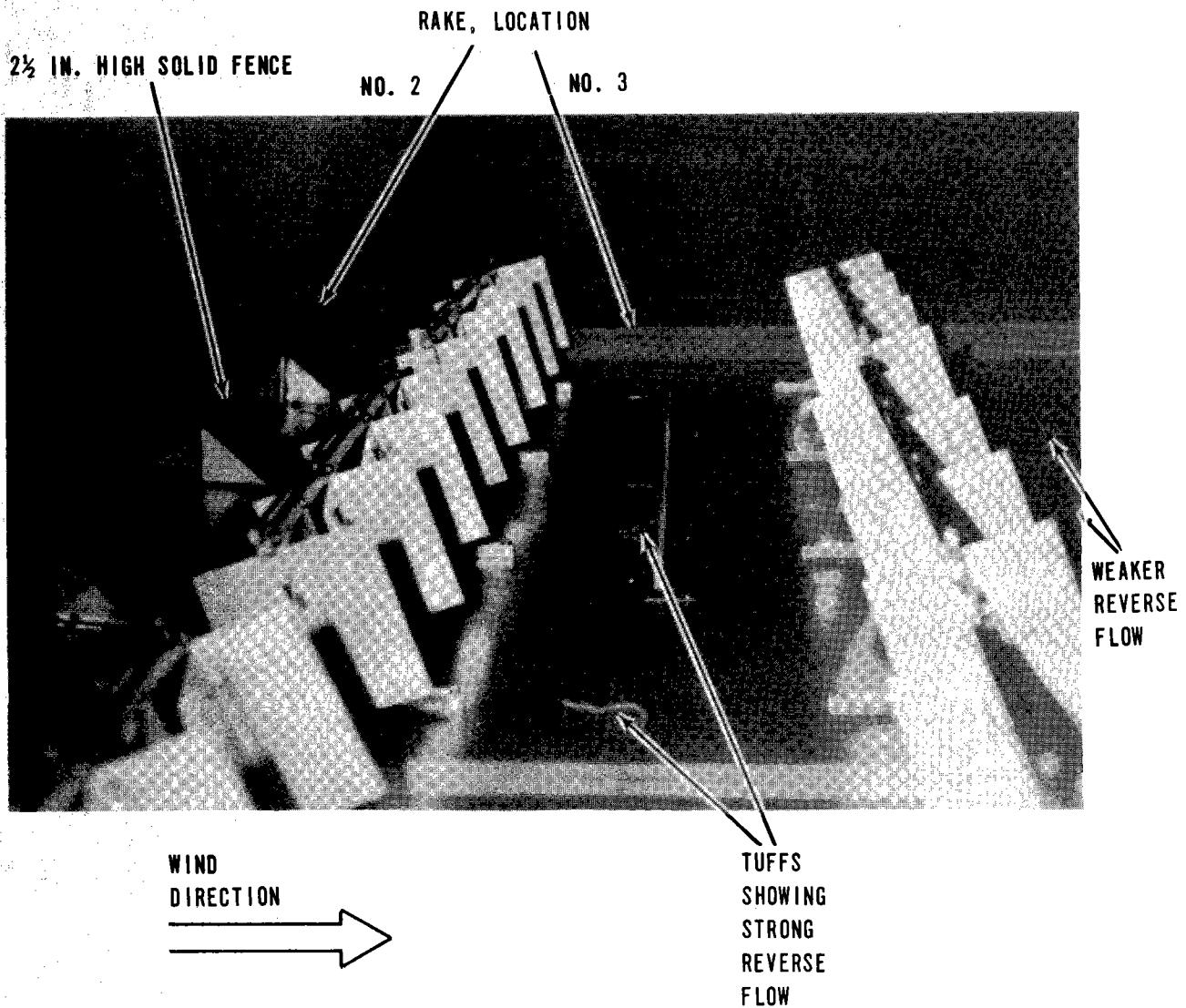
FIGURE 19.   MODEL DURING OPERATION SHOWING REVERSE FLOW
(NOTE: $\theta=-75°$, $\phi=90°$)
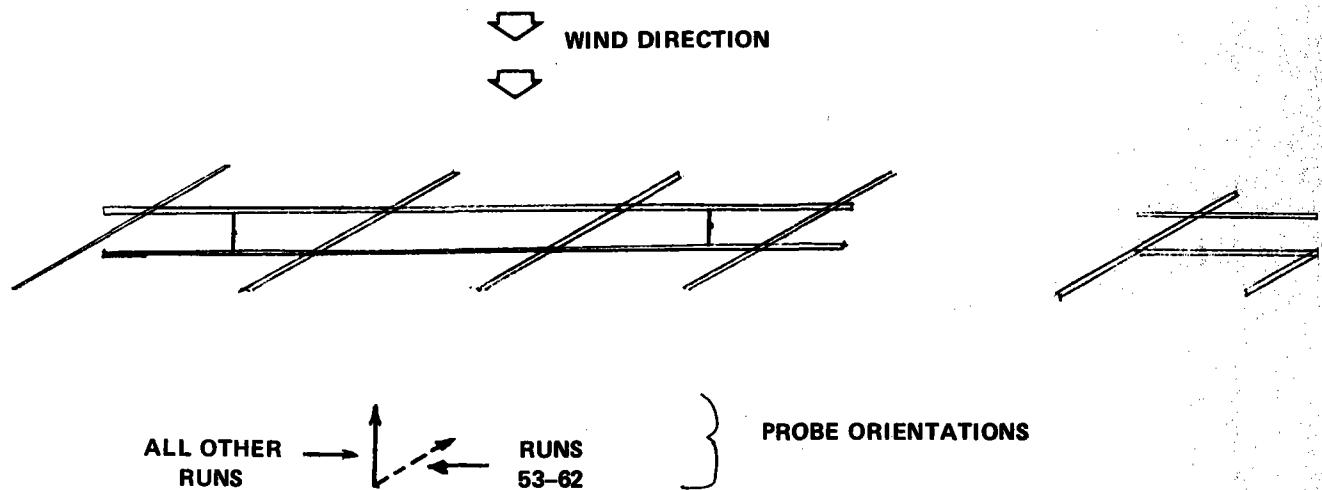
FIGURE 20. TOP VIEW OF MODEL, RUNS 22 THROUGH 31
AND 53 THROUGH 62

The short solid fence induces a small evidence of flow channelization
behind heliostat rows 1 through 5 and, proportionally a slightly
greater percent increase in the rear of the field than for the no
fence case. The short 50 percent porosity fence causes a very stag-
nant flow behind the first rows. That is, there is no change along
the heliostat's centerline in the pressure magnitude at either probe
direction. Starting with mid-field to the rear, there are small
induced changes showing less negative pressures with the probes turn-
ing -60 degrees from upstream.

The taller fences (e.g., cases 55 and 29 or 58 and 22) create stagna-
tion up front, and a smaller positive flow channelization deeper into
the field than that observed for the shorter fences.

In some cases the flow pressure along the mirror modules axis is
greater than 10 times greater than that experienced directly down-
stream. Along the ground there is less influence upon the flow dir-
ection; it remains turbulent and along either a downstream direction
or upstream (strong reverse flow). This is demonstrated by observing
the 1.5 inches high taps and tuffs taped to the model's floor.

With $\theta=-75°$ and $\phi=90°$, (Runs 63 through 72) there is no increase in the
downstream velocities due to additional channelizations caused by the
mirror modules being aligned parallel to the freestream. This obser-
vation is made by comparing these runs with the open field runs. In
fact, as one gets deeper into the field in the $\phi=90$ degree cases, the
strength of the flow does decrease when compared to the open field
due to the eventual flow dissipation caused by the heliostat frames.

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4.2.5 Turbulence Characteristics

What are the turbulence characteristics of different field geometries?

Procedure: Review the σCP data associated with each run.

Results: As would be expected, the largest amount of induced turbulence occurs after the top edges of either the fences or heliostats envelope intercept the flow. Directly behind the fence, turbulence is greater when using the mesh fences than the solid fences.

The greatest single magnitudes of turbulence noted were on the order of $\sigma C_p = 0.087$ and the $|C_{pmax} - C_{pmin}|$ difference approaches 0.2 within the one second sample interval (i.e., for 10 samples). The larger values normally occur at the 5.5 inches height as noted, for example, in 27, 16, 39. It is interesting to note that for a given field configuration σC_p is typically larger for the slower speeds than the higher speed (e.g., compare runs 81 and 82 at 20 and 30 MPH with 79 and 80 at 50 and 90 MPH or 16 with 17).

As a norm, turbulence magnitude decrease as the depth of the field grows. There are exceptions such as run 27 and along a height of 5.5 inches, where the $\theta=-75$ degrees, $\phi=90$ degrees runs have relatively high turbulence the entire field depth; and on an average σC_p or $|C_{pmax} - C_{pmin}|$ basis, throughout the complete field, most turbulence is created by the cases where $\theta=\pm25$ degrees.

4.2.6 Academic Interest

The large quantity of data may afford information to the reader whereby he might investigate other areas of general interest. Examples could include the effect of various barriers on the upstream boundary layer flow using Location No. 1 and correlation of induced turbulences within the field with the heliostat geometries, wind speeds, or barriers. Pressure gradient profiles could be plotted within the clear field with no heliostats and compared with the barrier influences upon boundary layer re-establishment as a function of various wind speeds.

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SECTION 5

CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

1. The net field effect is to significantly reduce the aerodynamic pressure loads upon heliostats immersed within the field as compared with a single heliostat in an open field. Pressures within the field below upper heliostat protrusions are much less than that above the field almost everywhere.

2. Care must be exercised if utilizing a short (e.g., to a heliostat centerline) solid perimeter fence. The first one or two rows of heliostats may experience very severe induced axial moments.

3. At the stow or home configuration, the flow field may very well re-enter the field at an angle of between 20 degrees and 30 degrees under some conditions.

4. There is some channelization of the flow within a collector field due to the interception of the free stream. This effect is small and should not significantly increase aerodynamic loading.

5. Full scale turbulence characteristics are difficult to simulate within a wind tunnel. However, results from this test program have suggested that local distribution of turbulent eddies can result randomly throughout the field causing temporarily induced larger heliostat axial moments. These actual loads probably will not exceed the design requirements imposed by the possible 90 mph, 10-30 degrees angle of attack case.

5.2 Recommendations

It is recommended that the uncertainties and potential adverse load situations suggested by this report be examined under a full scale environment. With adequate instrumentation, the barrier influences upon the first few heliostat rows, potential adverse reentry angles and net midfield reduced loads should be confirmed by a long term monitoring program. The cost of such a program may well be offset by being able to reduce the net collector field construction costs. Until further data is obtained, it is felt that a barrier significantly shorter than an operational heliostat's height will induce unacceptable moment loads upon the first few rows of perimeter heliostats.

We do recommend that one additional series of model tests be conducted. Using the existing model, a proposed tower configuration should be added and the tower interference and shedding effects upon the inner rows be evaluated using different personnel protective barriers.

SECTION 6

ABBREVIATIONS USED

C_p Nondimensional pressure coefficient $C_p = \dfrac{\Delta P}{q}$

DOE   Department of Energy

ERC   Energy Resources Center

Ga Tech   Georgia Institute of Technology

IAW   In accordance with

L   Characteristic length

q   Dynamic pressure, based on free stream velocity

RHR   Right hand rule

R_n Reynold's number $= \dfrac{\rho VL}{\mu}$

SECTION 7

REFERENCES

1. Preliminary Design Report, Volume III, Solar Pilot Plant Collector Subsystem. Honeywell Inc., Dated 1 May 1977.

2. Honeywell Test Report 677-14611. Wind Tunnel Test of 1/10 Scale Honeywell SRE Heliostat Model, G. Brown, Dated 30 June 1977.

3. Fluid-Dynamic Drag, Dr. Ing S. F. Hoerner, Published by Hoerner Fluid Dynamics, Dated 1965.

4. Pressure-Probe Methods for Determining Wind Speed and Flow Direction, D. W. Bryer and R. C. Pankhurst, Her Majesty's Stationary Office, Dated 1971.

APPENDIX A

PRESSURE DATA TEST RUNS

Enclosed within this appendix is a copy of all applicable reduced non-dimensional pressure coefficient data recorded during the test program. The format is per the discussion of Subsection 2.3 and as annotated within Figure 16 of this report.

HONEYWELL CP DATA, RUN NO. 1

				LOCATION NUMBER
.5317	.522197	.773794	.780598	
2.38253E-02	6.69068E-03	6.22940E-03	3.31552E-03	1
.557596	.531186	.780941	.784509	
.494456	.509645	.760056	.772836	
.441831	.61444	.656146	.700101	
1.28268E-02	1.05035E-02	2.26527E-02	1.49630E-02	2
.456668	.63396	.684601	.715432	
.411758	.597014	.60806	.671988	
.485196	.590035	.636069	.646632	
2.31822E-02	1.16285E-02	1.44932E-02	2.08393E-02	3
.525604	.613501	.655506	.66898	
.449546	.576676	.620495	.604716	
.456982	.48199	.501591	.463614	
3.33434E-02	1.31530E-02	2.11938E-02	1.25501 - 2	4
.523793	.501823	.541781	.484012	
.411517	.461026	.460049	.446104	
.346517	.274927	.724369	.758214	
1.62503E-02	1.08447E-02	1.00261E-02	2.12203E-03	5
.377109	.29'222	.743758	.762125	
.327611	.25>119	.71261	.755507	
.258097	.168231	.677213	.755242	
1. 7021E-02	4.23283E-03	2.05271E-02	1.33169E-02	6
.280045	.173887	.717801	.775844	
.230547	.163778	.645365	.741065	
.143104	.109167	.370481	.55842	
1.09711E-02	3.90372E-03	4.14016E-02	3.06703E-02	7
.158835	.114678	.467172	.601226	
.128532	.102283	.323144	.516023	
.194389	.145342	.612503	.739946	
1.49978E-02	4.57175E-03	2.92717E-02	1.02611E-02	8
.222096	.152947	.660939	.753461	
.161853	.137303	.565202	.722051	
.127832	.137411	.368803	.50494	
1.91810E-02	2.05432E-02	3.72010F-02	3.50456E-02	9
.170787	.181349	.440129	.54984	
.104145	.114558	.312037	.451038	
.159595	.118529	.538328	.709078	
9.08470E-03	7.95176E-03	2.90787F-02	1.69098E-02	10
.172115	.127314	.590072	.733484	
.145313	.105532	.486126	.69004	
.123933	.108854	.476588	.685009	
1.19113E-02	6.55302E-03	3.55177E-02	3.31312E-02	11
.141088	.11865	.527294	.723615	
.102335	9.91540E-02	.422141	.629507	
.173443	.23383	.50537	.665345	
1.07294E-02	7.36611E-03	2.85733E-02	1.91485E-02	12
.186964	.246093	.565081	.705323	
.153644	.220821	.469345	.642624	
9.97510E-02	8.22458E-02	.380236	.461339	
9.58580E-03	8.66916E-03	5.50680F-02	5.38333E-02	13
.119357	.100598	.471518	.541295	
9.79680E-02	7.32802E-02	.285115	.384127	
.109445	.175091	.459131	.648882	
1.19669E-02	1.62509E-02	2.71216F-02	2.69857E-02	14
.129136	.200483	.5017	.69726	
8.88131E-02	.148615	.422261	.614705	
9.47046E-02	.122693	.321128	.497948	
7.27651E-03	2.39306E-02	4.57783E-02	2.42373E-02	15
.104266	.163177	.400289	.536722	
8.44669E-02	8.33890E-02	.256262	.463794	
8.51913E-02	.172924	.419702	.616678	
1.19010E-02	8.11699E-03	2.40439E-02	3.03229E-02	16
.101248	.187005	.455099	.642023	
6.87724E-02	.158363	.384474	.547312	
7.82616E-02	.131984	.456608	.608639	
7.79903E-03	1.21406E-02	5.03422E-02	3.58683E-02	17
9.08655E-02	.150541	.52826	.653576	
6.45470E-02	.11528	.377351	.559106	
.173817	.439196	.548904	.657727	
2.42939E-02	3.41431E-02	3.52557E-02	4.88250E-02	18
.213041	.484734	.58983	.704842	
.145796	.387376	.476106	.565003	
6.28809E-02	.148603	.459819	.564931	
6.83980E-03	1.42272E-02	3.91385F-02	2.21292E-02	19
7.48088E-02	.173887	.499044	.594487	
5.28365E-02	.130804	.37228	.526854	
6.47643E-02	.205778	.478218	.554954	
7.86699E-03	2.60156E-02	4.32952F-02	1.14535E-02	20
7.75855E-02	.243807	.555544	.57812	
5.21121E-02	.169675	.428298	.535278	

HONEYWELL CP DATA, RUN NO. 2

				LOCATION NUMBER
.577873	.562625	.798086	.805399	
2.06766E-02	1.22551E-02	6.04598E-03	3.81688E-03	1
.604236	.583299	.80642	.812928	
.53471	.542081	.783854	.799665	
.467219	.630941	.678574	.723911	
1.07604E-02	9.33878E-03	1.39650E-02	9.99304E-03	2
.483577	.645582	.698415	.742583	
.454749	.619837	.654977	.707345	
.516813	.625584	.668413	.689857	3
2.29302E-02	1.59796E-02	1.50952E-02	1.05161E-02	
.56119	.657545	.687979	.700974	
.486185	.602673	.638542	.669117	
.465041	.526998	.528488	.51692	
3.22716E-02	2.07661E-02	2.38919E-02	1.01214E-02	4
.5141	.558204	.571755	.529728	
.425008	.498782	.497795	.502682	
.362722	.304014	.758236	.777781	
2.64228E-02	5.36404E-03	6.34525E-03	3.83419E-03	5
.410007	.313753	.766244	.783151	
.326133	.295679	.74733	.771579	
.261225	.177809	.675118	.765507	
1.34517E-02	3.80167E-03	3.52012E-02	4.58892E-03	6
.28387	.182295	.728677	.773139	
.24239	.172023	.613888	.759746	
.155554	.111976	.30851	.417866	
7.55583E-03	6.95947E-03	1.84896E-02	2.67485E-02	7
.167646	.126513	.347787	.455613	
.144949	.103629	.285305	.379417	
.200687	.152922	.656204	.769382	
1.12040E-02	4.08708E-03	3.84652E-02	6.44877E-03	8
.224258	.15902	.722938	.782111	
.188256	.147188	.596148	.761697	
.140671	.155067	.354804	.449475	
8.35964E-03	6.95962E-03	5.18989E-02	1.66473E-02	9
.154993	.164741	.424356	.480318	
.131514	.143287	.26313	.421545	
.160329	.134237	.560225	.715993	
4.53905E-03	7.88656E-03	2.82822E-02	1.36460E-02	10
.170255	.149658	.594453	.73049	
.15395	.122873	.527405	.687451	
.13381	.116332	.466072	.705161	
1.28017E-02	5.15371E-03	4.75939E-02	3.43808E-02	11
.160863	.124953	.531449	.747914	
.117426	.106879	.412095	.662486	
.178447	.252393	.508335	.680157	
6.59034E-03	5.72098E-03	2.78016E-02	8.52316E-03	12
.187604	.264472	.559494	.691872	
.166994	.244448	.457619	.664957	
.104108	6.57256E-02	.271961	.383486	
5.25648E-03	1.02051E-02	3.58863E-02	4.34239E-02	13
.112469	8.08738E-02	.322742	.44248	
9.38161E-02	5.18777E-02	.205344	.338458	
.114726	.200811	.465549	.666491	
7.58071E-03	1.71241E-02	2.51767E-02	1.91121E-02	14
.124209	.228065	.503665	.703965	
.10073	.172153	.42253	.63297	
9.99469E-02	9.23682E-02	.246759	.378974	
9.09483E-03	1.98589E-02	3.91280E-02	3.81675E-02	15
.110904	.124173	.317263	.436238	
8.09024E-02	6.82612E-02	.175473	.321034	
9.29291E-02	.168811	.435939	.624076	
9.29124E-03	9.30370E-03	2.28984E-02	1.65155E-02	16
.107382	.184115	.478489	.647923	
7.60760E-02	.15811	.39605	.604104	
8.13459E-02	.147058	.493856	.632216	
8.89979E-03	1.24402E-02	3.68473E-02	2.74978E-02	17
9.32944E-02	.171503	.539928	.678609	
6.15970E-02	.133925	.414964	.593962	
.180664	.399623	.497469	.565967	
1.56480E-02	3.21837E-02	3.40902E-02	3.69568E-02	18
.214866	.462504	.559363	.614246	
.156037	.352761	.462706	.484999	
6.34753E-02	.150789	.444679	.600593	
6.59434E-03	1.59280E-02	4.27775E-02	2.34202E-02	19
7.38585E-02	.175014	.516057	.627899	
5.07703E-02	.126123	.401268	.563795	
7.18497E-02	.228806	.529505	.601217	
5.00821E-03	1.63448E-02	2.37139E-02	1.44543E-02	20
8.10328E-02	.25238	.571103	.629199	
6.23796E-02	.202969	.493751	.580309	

				LOCATION NUMBER
.520528	.538009	.780311	.783935	
1.46996E-02	1.01736E-02	6.72031E-03	2.41401E-03	1
.553638	.559762	.789585	.788136	
.501966	.526851	.769722	.780912	
.44008	.613879	.665009	.70777	
1.01574E-02	1.19487E-02	1.33194E-02	7.56404E-03	2
.455126	.631472	.687315	.719905	
.419157	.596553	.645172	.695154	
.500718	.619953	.663774	.659647	
1.91848E-02	5.96882E-03	1.71625E-02	1.69157E-02	3
.536996	.627993	.684765	.677762	
.475795	.611136	.628127	.627993	
.455797	.52475	.529574	.49517	
1.73600E-02	1.81032E-02	2.66101E-02	2.53314E-02	4
.487069	.559093	.562362	.539962	
.436336	.49996	.487874	.469991	
.34397	.280309	.740437	.769459	
1.26467E-02	6.79990E-03	1.69996E-02	2.95654E-03	5
.36064	.292055	.7563	.775159	
.323463	.270516	.70691	.765794	
.25441	.172062	.654647	.745471	
1.21629E-02	4.86048E-03	1.67188E-02	5.36095E-03	6
.276756	.178872	.67792	.753619	
.229916	.164423	.623295	.738635	
.177559	.11741	.295358	.495291	
1.23611E-02	5.45679E-03	3.18809E-02	1.84133E-02	7
.198376	.125758	.35715	.513606	
.156233	.110641	.25488	.45969	
.199503	.143432	.623791	.742234	
1.12721E-02	5.49929E-03	2.45885E-02	7.59898E-03	8
.219179	.154121	.652822	.752682	
.183344	.133919	.576589	.732347	
.149361	.173908	.41462	.531828	
9.17942E-03	1.02700E-02	2.29020E-02	2.47375E-02	9
.170191	.190377	.443181	.561368	
.141335	.157332	.374195	.483236	
.159239	.125411	.546378	.686565	
5.02790E-03	4.30554E-03	2.30267E-02	1.25541E-02	10
.167104	.133384	.59001	.701041	
.149657	.121611	.5021	.6692	
.122975	9.86934E-02	.469245	.636743	
8.27880E-03	4.00963E-03	3.15699E-02	1.20095E-02	11
.13798	.10569	.517132	.659433	
.111137	9.48537E-02	.422512	.619297	
.176566	.237136	.509764	.668129	
1.15164E-02	7.59135E-03	2.43381E-02	1.19709E-02	12
.207502	.255398	.549343	.684719	
.165762	.228908	.479418	.650202	
.114681	4.56604E-02	.231607	.316578	
7.33444E-03	7.40520E-03	1.53828E-02	2.68695E-02	13
.127914	6.10057E-02	.257832	.34945	
.104427	3.15726E-02	.209784	.283627	
.10793	.180624	.458736	.631244	
6.97996E-03	1.14463E-02	1.47356E-02	1.71258E-02	14
.117848	.20108	.491229	.654483	
9.54344E-02	.165627	.437141	.595483	
.11052	6.20760E-02	.19443	.301099	
1.08783E-02	1.00402E-02	1.32249E-02	1.18276E-02	15
.130464	7.96020E-02	.217703	.312525	
9.12737E-02	5.03028E-02	.17811	.277339	
7.15981E-02	.169293	.428766	.565702	
5.57673E-03	7.46102E-03	2.72950E-02	1.77672E-02	16
9.29525E-02	.183554	.460629	.585315	
6.53706E-02	.1576	.384798	.530062	
7.35442E-02	.122989	.416405	.574546	
6.29737E-03	8.41774E-03	3.17028E-02	1.98964E-02	17
8.30867E-02	.132314	.476734	.601771	
6.38942E-02	.105155	.37594	.547053	
.143563	.356393	.440336	.49323	
9.96671E-03	1.53497E-02	3.77422E-02	2.38107E-02	18
.161601	.381826	.510019	.523239	
.126169	.335536	.382785	.462366	
5.44322E-02	.143017	.412661	.542102	
5.57557E-03	1.42580E-02	2.91708E-02	2.15900E-02	19
6.16126E-02	.17138	.463581	.571134	
4.60439E-02	.129237	.35715	.50879	
6.52767E-02	.244267	.508945	.589048	
5.56094E-03	1.40730E-02	2.83184E-02	1.45000E-02	20
7.42287E-02	.264094	.564107	.610869	
5.75862E-02	.220881	.464521	.570465	

				LOCATION NUMBER
.338577	.547581	.692688	.7731	
2.36614E-02	1.67682E-02	2.06878E-02	1.70696E-03	1
.377006	.575888	.726329	.77535	
.300175	.526087	.649108	.769759	
.213536	.336	.424265	.482593	
2.30310E-02	2.11073E-02	2.99344E-02	4.33774E-02	2
.23965	.369014	.470532	.542861	
.179647	.304781	.393441	.432598	
.133288	.184349	.165024	.188341	
4.08442E-02	1.81108E-02	4.52786E-02	1.80824E-02	3
.196996	.209601	.235085	.215062	
7.08583E-02	.152649	8.01197E-02	.166042	
.259073	.302869	.308811	.283664	
3.36124E-02	3.03403E-02	2.71036E-02	1.23989E-02	4
.310741	.35042	.375832	.307771	
.224649	.263562	.282174	.265383	
-.21704	-.213924	.218793	.557086	
8.74557E-03	6.67458E-03	5.75835E-02	2.15854E-02	5
-.197461	-.207007	.302784	.589671	
-.22981	-.225991	.136992	.521276	
-.124035	-.115376	7.68587E-02	.31859	
9.71968E-03	8.22916E-03	2.51719E-02	2.78510E-02	6
-.107325	-.100774	.120948	.363163	
-.140197	-.1273	3.61608E-02	.272924	
6.78321E-02	.154443	.415773	.516778	
7.30114E-03	1.53307E+02	3.94683E-02	2.23599E-02	
7.94675E-02	.181515	.473663	.556384	7
5.72924E-02	.131454	.349222	.481748	
-3.58823E-02	6.84923E-03	.143567	.310229	
1.16454E-02	1.36138E-02	4.90520E-02	1.91554E-02	
-1.51029E-02	3.06832E-02	.241085	.35029	8
-5.48977E-02	-1.48263E-02	9.08160E-02	.286707	
.124574	.14867	.415721	.503502	
1.75563E-02	8.96870E-03	2.32492E-02	1.68352E-02	
.149906	.165262	.454749	.524657	9
9.98165E-02	.138086	.386528	.474076	
1.83294E-02	6.28520E-02	.17726	.279972	
6.82405E-03	8.96656E-03	3.67373E-02	2.46161E-02	
3.08127E-02	7.59328E-02	.238215	.326235	10
6.81133E-03	4.82369E-02	.129557	.237167	
3.34476E-02	7.71290E-02	.204	.305652	
1.03900E-02	1.19037E-02	1.76960E-02	1.71393E-02	
5.11616E-02	9.66071E-02	.238215	.329226	11
2.08991E-02	6.00694E-02	.179777	.278775	
.12417	.186508	.39455	.444976	
1.87470E-02	2.05984E-02	3.97066E-02	1.81826E-02	
.170386	.213632	.453314	.472776	12
.107121	.155249	.326133	.419595	
9.83376E-02	7.44895E-02	.342425	.448084	
1.26076E-02	9.60639E-03	1.38668E-02	2.09991E-02	
.1096	8.63349E-02	.363701	.473036	13
6.94235E-02	5.72088E-02	.321698	.417645	
4.90876E-02	.138528	.248077	.314442	
1.03735E-02	1.43480E-02	4.37604E-02	1.38614E-02	
6.91626E-02	.1572	.293653	.337808	14
3.32910E-02	.116111	.164516	.30023	
8.35373E-02	.100248	.319181	.456315	
9.15589E-03	1.39952E-02	4.78807E-02	1.98147E-02	
9.35120E-02	.115461	.379745	.495141	15
7.11192E-02	7.55427E-02	.232215	.429217	
7.22149E-02	.179864	.348739	.424471	
1.45230E-02	8.99795E-03	3.80639E-02	1.31303E-02	
.102686	.194648	.440922	.44144	16
5.61184E-02	.170463	.295219	.405552	
6.93583E-02	.123783	.335982	.370588	
1.23551E-02	1.32916E-02	4.53518E-02	3.25586E-02	
8.41634E-02	.151219	.40792	.428957	17
4.58135E-02	.11052	.286348	.327926	
8.00415E-02	.32292	.435809	.504152	
1.29970E-02	2.66940E-02	3.09540E-02	1.89171E-02	
9.57728E-02	.355231	.479142	.530638	18
5.70315E-02	.275395	.385484	.478757	
3.29910E-02	.151323	.314668	.368403	
8.89881E-03	1.43266E-02	3.19545E-02	2.32869E-02	
4.33351E-02	.170463	.383528	.412704	19
1.72467E-02	.132235	.274478	.343919	
3.78174E-02	.21986	.42013	.489485	
8.83804E-03	1.60532E-02	2.82728E-02	1.83413E-02	
4.75092E-02	.244968	.459967	.515685	20
1.89424E-02	.193217	.388093	.463674	

Col 1	Col 2	Col 3	Col 4	LOCATION NUMBER
.367632	.523118	.664445	.761579	
1.02385E-02	1.00492E-02	3.10106E-02	1.41042E-02	1
.385335	.535145	.71872	.774624	
.346682	.506114	.615913	.729002	
.121136	.268281	.323288	.44385	
4.59800E-02	2.52869E-02	2.98879E-02	1.91545E-02	2
.203879	.328445	.363995	.470259	
7.23497E-02	.240012	.273535	.406309	
.141067	.176263	.18066	.167995	
2.31860E-02	1.37302E-02	3.14470E-02	1.70492E-02	3
.175425	.202418	.241861	.191849	
9.66423E-02	.156797	.145496	.148101	
.241901	.27663	.277884	.277432	
1.75450E-02	1.24555E-02	2.80653E-02	8.64179E-03	4
.26253	.298076	.326013	.293527	
.213676	.256468	.238774	.265298	
-.247561	-.248309	.175184	.554705	
5.29258E-03	6.22408E-03	5.04327E-02	2.20708E-02	5
-.238622	-.23667	.304539	.584914	
-.255265	-.255801	.125364	.51976	
-.131493	-.131928	1.98992E-02	.2562	
1.23828E-02	6.47982E-03	4.17526E-02	2.83652E-02	6
-.115549	-.125493	8.20130E-02	.298076	
-.149236	-.141146	-4.81738E-02	.206699	
5.43114E-02	.114668	.37076	.505632	
5.49369E-03	7.82770E-03	3.34401E-02	2.14253E-02	7
6.40285E-02	.128969	.43647	.540095	
4.73860E-02	.102078	.321181	.485511	
-4.77041E-02	-5.55314E-03	.164635	.333476	
6.88169E-03	7.18803E-03	3.78959E-02	2.63541E-02	8
-3.95842E-02	6.42077E-03	.22334	.362427	
-6.26688E-02	-1.52527E-02	9.65081E-02	.279881	
.110211	.197227	.474667	.566385	
1.32840E-02	1.10249E-02	3.19229E-02	2.97563E-02	9
.127511	.222486	.525588	.599497	
8.33552E-02	.185427	.408285	.514141	
9.79290E-03	5.28581E-02	.173815	.243598	
7.85804E-03	9.88493E-03	3.07337E-02	1.44829E-02	10
2.63145E-02	6.44841E-02	.217434	.272522	
2.42459E-03	3.35794E-02	.138383	.224894	
2.72272E-02	6.78155E-02	.242505	.328967	
6.10302E-03	6.26286E-03	3.88391E-02	1.71417E-02	11
3.85279E-02	8.10737E-02	.291117	.353597	
1.75907E-02	6.16746E-02	.171131	.308243	
.106467	.193067	.342132	.478674	
1.26564E-02	1.32951E-02	1.83444E-02	1.28783E-02	12
.12429	.214459	.375403	.499157	
8.08051E-02	.170711	.313933	.451395	
7.73424E-02	5.51458E-02	.292272	.422698	
7.46220E-03	6.45875E-03	2.11961E-02	1.51947E-02	13
9.40922E-02	6.35477E-02	.323194	.446177	
6.83233E-02	4.66905E-02	.252061	.400958	
3.87964E-02	.125932	.221702	.287078	
7.01159E-03	1.27739E-02	2.59012E-02	3.34772E-02	14
4.85939E-02	.153185	.255417	.337141	
2.92672E-02	.107697	.187102	.229443	
7.28194E-02	7.38492E-02	.283212	.431889	
5.18703E-03	1.18801E-02	3.45072E-02	1.10893E-02	15
3.06709E-02	9.09739E-02	.349634	.450726	
6.49680E-02	5.53867E-02	.24119	.417948	
5.39283E-02	.182042	.346386	.408235	
9.05056E-03	2.00031E-02	2.96906E-02	2.08996E-02	16
6.83233E-02	.223556	.394193	.438953	
4.10780E-02	.148368	.304941	.378615	
5.06608E-02	.107109	.291923	.332138	
5.60159E-03	1.02922E-02	1.95362E-02	1.36733E-02	17
5.78547E-02	.119872	.311652	.352928	
4.36280E-02	8.49535E-02	.256088	.304096	
7.03097E-02	.271345	.396193	.470473	
6.37243E-03	2.93879E-02	2.17702E-02	2.90423E-02	18
7.86577E-02	.313461	.436873	.523372	
6.01363E-02	.228774	.358492	.424905	
1.36582E-02	.121959	.315249	.355724	
6.77564E-03	1.19500E-02	3.96000E-02	2.17634E-02	19
2.30934E-02	.145559	.401441	.404436	
1.35088E-03	.106359	.256356	.329917	
2.09863E-02	.216533	.381604	.474781	
5.16110E-03	7.96749E-03	1.69411E-02	6.67582E-03	20
2.76567E-02	.229175	.405601	.490059	
1.32959E-02	.206298	.359029	.467316	

				LOCATION NUMBER
.517801	.517087	.770158	.786851	
2.72495E-02	5.41014E-03	1.26225E-02	1.70696E-03	1
.561776	.526774	.783933	.788775	
.470461	.50909	.744015	.783184	
.4385	.562856	.592432	.662612	
1.33640E-02	9.16702E-03	1.62447E-02	1.29001E-02	2
.472287	.576964	.617478	.683975	
.423368	.547188	.567646	.635085	
.362448	.438968	.455146	.440528	
2.08742E-02	2.32507E-02	3.06195E-02	1.61373E-02	3
.402626	.480875	.503595	.470083	
.325139	.415862	.405888	.416382	
.353421	.385722	.377202	.356128	
2.51721E-02	2.08456E-02	2.45238E-02	1.58746E-02	4
.40354	.411571	.411367	.376074	
.315094	.342527	.340141	.331995	
-2.36986E-02	6.44547E-02	.665471	.742343	
3.06623E-03	7.23802E-02	2.01741E-02	5.18514E-03	5
-1.74240E-02	7.64951E-02	.696792	.749768	
-2.74686E-02	5.27004E-02	.643568	.732864	
-2.80426E-02	5.51319E-02	.527585	.681465	
2.11333E-03	8.18323E-03	2.43572E-02	1.31013E-02	6
-2.40769E-02	6.86936E-02	.5486	.703479	
-3.07299E-02	4.58091E-02	.463547	.664601	
5.16365E-02	5.82005E-02	.270076	.411155	
5.43290E-03	6.10762E-03	4.31303E-02	2.50660E-02	7
5.82373E-02	6.88236E-02	.364535	.438226	
4.03656E-02	5.00999E-02	.227692	.35501	
-1.26364E-02	4.97098E-02	.467278	.681283	
3.72371E-03	7.86103E-03	3.15725E-02	2.34555E-02	8
-7.77063E-03	6.03719E-02	.527989	.715571	
-1.84676E-02	3.77475E-02	.413063	.651078	
.110261	.128635	.277733	.413899	
2.97196E-02	1.76219E-02	1.96675E-02	5.17030E-02	9
.156727	.160752	.311572	.479444	
6.60643E-02	.10094	.245173	.325494	
7.90952E-03	6.74323E-02	.423994	.597833	
4.26506E-02	6.15285E-02	5.72691E-02	1.34529E-02	10
1.57105E-02	7.41547E-02	.505552	.622343	
-3.34953E-04	5.42607E-02	.343532	.577874	
2.24808E-02	8.08250E-02	.372858	.566965	
2.44924E-03	4.33130E-03	2.70837E-02	4.04825E-02	11
2.65378E-02	8.94977E-02	.400539	.620782	
1.80586E-02	7.32445E-02	.335184	.50883	
8.99107E-02	.165108	.384833	.567485	
1.04127E-02	1.18340E-02	3.10127E-02	8.04760E-03	12
.104025	.186497	.424412	.577354	
6.98474E-02	.145539	.326183	.551999	
7.81310E-02	5.08671E-02	.244547	.37311	
6.18037E-03	9.57416E-03	2.43113E-02	3.32190E-02	13
8.62841E-02	6.71333E-02	.296831	.430815	
6.26726E-02	3.87877E-02	.21243	.327054	
3.15341E-02	.155889	.367744	.523354	
4.07418E-03	1.17350E-02	4.24812E-02	3.76148E-02	14
3.89306E-02	.176745	.422324	.579954	
2.65378E-02	.137477	.290961	.453439	
7.96051E-02	6.60671E-02	.194871	.330422	
1.43929E-02	7.85916E-03	2.76436E-02	2.60610E-02	15
.107808	8.09160E-02	.237998	.362941	
6.44989E-02	5.67312E-02	.148248	.283886	
4.64707E-02	.156071	.379902	.54092	
5.27569E-02	1.12392E-02	2.35731E-02	2.93699E-02	16
5.52369E-02	.170894	.422977	.575794	
3.43649E-02	.136177	.354621	.503109	
4.09526E-02	.112512	.361822	.517789	
5.02216E-03	1.02304E-02	3.25240E-02	2.46692E-02	17
4.70186E-02	.125645	.40067	.547188	
3.03209E-02	9.39185E-02	.301136	.488806	
5.57196E-02	.213061	.37848	.457028	
5.17895E-03	2.38968E-02	6.11413E-02	2.48070E-02	18
6.48903E-02	.25606	.454676	.501159	
4.46705E-02	.163612	.285482	.417942	
2.02240E-02	.14511	.401361	.525396	
5.38683E-03	2.14958E-02	3.72829E-02	1.31492E-02	19
2.53638E-02	.175445	.465243	.546018	
9.57928E-03	.118363	.330618	.50519	
2.86511E-02	.18361	.403983	.451216	
6.11707E-03	1.48723E-02	3.42128E-02	1.11740E-02	20
4.34964E-02	.20054	.482723	.467612	
2.21025E-02	.161272	.360882	.434586	

HONEYWELL CP DATA, RUN NO. 7

				LOCATION NUMBER
.496825	.51537	.756439	.779663	
1.25422E-02	3.89417E-03	1.78323E-02	4.19699E-03	1
.515905	.522111	.777962	.783849	
.474577	.509004	.732072	.774086	
.422918	.552699	.602614	.663626	
9.03605E-03	6.41273E-03	1.13110E-02	5.16594E-03	2
.443313	.565444	.623922	.6703	
.410439	.544982	.587693	.654786	
.377175	.445944	.444051	.45445	3
2.69458E-02	9.77869E-03	2.97301E-02	1.94606E-02	
.40534	.460187	.486788	.481319	
.323355	.429292	.398094	.423809	
.342503	.385852	.397061	.373815	
2.40108E-02	7.83074E-03	1.99737E-02	1.72375E-02	4
.385615	.401607	.425333	.414982	
.309668	.376731	.357034	.35707	
-2.95294E-02	5.30822E-02	.676279	.747939	
2.91329E-03	3.07264E-03	1.55426E-02	4.78669E-03	5
-2.29679E-02	5.84186E-02	.707651	.754426	
-3.26290E-02	4.85215E-02	.651966	.73958	
-3.20788E-02	5.42993E-02	.542165	.67668	
2.00656E-03	7.93499E-03	1.93566E-02	7.11751E-03	6
-2.92744E-02	6.26985E-02	.568505	.685681	
-3.47759E-02	3.90257E-02	.509599	.660804	
3.62330E-02	5.24938E-02	.227308	.366432	
6.93128E-03	6.22059E-03	3.15591E-02	2.70231E-02	7
4.49280E-02	6.41696E-02	.304167	.40134	
2.22513E-02	4.38405E-02	.185014	.313068	
-1.61917E-02	5.74690E-02	.469935	.682257	
3.46047E-03	6.53278E-03	3.21441E-02	2.07772E-02	8
-1.04890E-02	6.59083E-02	.516174	.730886	
-2.26995E-02	4.67828E-02	.41272	.656926	
.120606	.153016	.30041	.417804	
1.53715E-02	9.87200E-03	5.04708E-02	2.59977E-02	9
.148919	.165013	.364817	.456041	
9.88690E-02	.138264	.197492	.386628	
1.46656E-03	7.34114E-02	.388835	.616	
2.85852E-03	4.33261E-03	3.62202E-02	1.88171E-02	10
6.55205E-03	8.11552E-02	.444387	.649302	
-9.62122E-04	6.79145E-02	.33637	.59206	
1.51397E-02	7.96171E-02	.364146	.567691	
2.27526E-03	1.13351E-02	3.09700E-02	2.52542E-02	11
1.91651E-02	.100147	.413391	.61172	
1.19193E-02	6.18960E-02	.313023	.520373	
8.84297E-02	.18133	.430123	.573589	
1.38567E-02	1.01944E-02	3.03676E-02	1.83142E-02	12
.11175	.199252	.4782	.599817	
6.76047E-02	.162204	.368306	.532811	
7.62996E-02	4.35328E-02	.222732	.283029	
7.24345E-03	3.85360E-03	1.06031E-02	1.85829E-02	13
8.50483E-02	4.99927E-02	.236271	.314272	
6.21032E-02	3.67520E-02	.205678	.252215	
2.25197E-02	.145821	.351493	.546948	
2.70724E-03	1.40621E-02	2.74565E-02	1.20068E-02	14
2.74844E-02	.172235	.382931	.566514	
1.80917E-02	.130641	.295848	.530537	
9.23746E-02	6.00102E-02	.19132	.301058	
1.08921E-02	8.14867E-03	2.30314E-02	1.55591E-02	
.111885	6.87169E-02	.235197	.32885	15
7.88759E-02	4.70503E-02	.167973	.278562	
4.21102E-02	.164251	.362522	.520132	
7.03048E-02	1.14391E-02	1.90566E-02	1.36702E-02	
5.43207E-02	.186011	.401046	.541504	16
2.82895E-02	.145219	.340128	.500445	
3.29858E-02	9.97725E-02	.353224	.471823	
6.04959E-03	3.46148E-03	4.10869E-02	2.68190E-02	
4.30494E-02	.103758	.416879	.523582	17
2.65451E-02	9.31922E-02	.286455	.430764	
4.85777E-02	.208213	.335928	.432074	
6.85635E-03	9.87472E-03	2.86318E-02	1.12905E-02	
5.98221E-02	.224663	.389909	.449354	18
3.92924E-02	.198449	.281356	.409498	
1.39052E-02	.14887	.40487	.514635	
5.63457E-03	6.98278E-03	2.30368E-02	2.16635E-02	
2.06411E-02	.160466	.441166	.540033	19
3.79694E-04	.139735	.376491	.466607	
2.43982E-02	.195547	.38748	.478658	
2.68424E-03	7.97112E-03	1.85860E-02	1.53422E-02	
3.04364E-02	.209416	.415269	.495362	20
2.17146E-02	.186011	.355961	.456443	

Col 1	Col 2	Col 3	Col 4	LOCATION NUMBER
.123554	.300984	.512048	.697953	1
3.31584E-02	4.57753E-02	2.47897E-02	9.87975E-03	
.167424	.35488	.547687	.7105	
5.23670E-02	.226025	.460677	.676043	
-.384368	-.39594	-.430704	6.96818E-02	2
9.85794E-03	4.69943E-03	1.85994E-02	2.16824E-02	
-.367162	-.389907	-.405514	9.97697E-02	
-.398992	-.403169	-.461869	4.07381E-02	
-.412102	-.40356	-.416041	-.43093	3
4.40252E-02	1.50050E-02	3.44265E-02	1.67850E-02	
-.342507	-.373264	-.350073	-.412401	
-.47374	-.420203	-.462782	-.464801	
-3.78916E-02	8.04963E-03	7.24694E-02	4.90987E-02	4
5.90139E-02	2.01109E-02	4.71836E-02	1.77938E-02	
4.88449E-02	3.78775E-02	.138856	7.28544E-02	
-.121784	-3.38966E-02	9.69551E-04	1.21324E-02	
-.400648	-.396005	-.43604	-.443607	5
6.03776E-03	6.03776E-03	1.37427E-02	1.91770E-02	
-.38986	-.388737	-.419603	-.420983	
-.407862	-.4072	-.459912	-.470523	
-.364292	-.371209	-.428604	-.430696	6
1.87395E-02	6.77184E-03	1.71461E-02	2.53797E-02	
-.332201	-.360781	-.405384	-.388346	
-.400948	-.381195	-.45639	-.461811	
-.121823	-5.12161E-02	7.55220E-02	.214218	7
1.71746E-02	1.06326E-02	2.55990E-02	2.58470E-02	
-9.86946E-02	-2.88256E-02	.116549	.245268	
-.157658	-6.43226E-02	3.50171E-02	.175445	
-.252313	-.239506	-.248152	-.249297	8
2.78427E-02	1.44626E-02	2.77898E-02	2.89986E-02	
-.223275	-.213852	-.214404	-.20111	
-.30585	-.256631	-.286674	-.290957	
9.95759E-03	.170842	.358678	.439189	9
1.59715E-02	1.89104E-02	4.91184E-02	1.70172E-02	
3.16254E-02	.207171	.41515	.467872	
-1.19450E-02	.146839	.288874	.409361	
-.137191	-.123107	-.135534	-.133158	10
1.03798E-02	1.08552E-02	1.88963E-02	1.80767E-02	
-.125567	-.108791	-.110826	-.106581	
-.157267	-.138307	-.181009	-.164702	
-5.04018E-02	-3.50929E-02	-4.63448E-02	1.74765E-02	11
1.42491E-02	1.49057E-02	2.71670E-02	2.84674E-02	
-3.04690E-02	-4.77090E-03	7.75297E-03	7.14241E-02	
-6.96041E-02	-5.45707E-02	-8.40841E-02	-1.66032E-02	
1.88413E-02	.10852	.264675	.260026	12
2.64735E-02	2.04157E-02	4.53065E-02	3.58870E-02	
7.45436E-02	.143848	.329444	.30508	
-2.59032E-02	8.48168E-02	.187383	.20327	
3.02296E-02	9.53488E-02	.357582	.420699	13
6.74139E-03	2.11618E-02	4.53485E-02	1.49098E-02	
3.82784E-02	.137347	.409149	.437836	
1.96240E-02	6.58330E-02	.265262	.393368	
-1.22059E-02	2.15853E-02	4.50357E-02	6.88236E-02	14
1.5449AE-02	2.09596E-02	3.33777E-02	1.34377E-02	
7.10072E-03	5.55610E-02	.1112	8.87175E-02	
-3.99919E-02	-7.37141E-03	1.75225E-03	4.35986E-02	
3.82393E-02	.120587	.315733	.440424	15
1.11064E-02	1.86220E-02	2.89784E-02	2.30806E-02	
5.60196E-02	.15113	.370666	.485556	
1.96240E-02	9.43086E-02	.270871	.419893	
9.91845E-03	.141365	.220935	.302181	16
1.84626E-02	3.50741E-02	3.58740E-02	2.62042E-02	
4.71490E-02	.194558	.288874	.328485	
-2.02939E-02	9.80794E-02	.181643	.240847	
1.19796E-02	6.01119E-02	.130389	.176511	17
1.24821E-02	1.86632E-02	5.24221E-02	1.89466E-02	
3.17559E-02	8.74173E-02	.214647	.209511	
-7.50973E-03	3.12462E-02	6.42380E-02	.144629	
5.11799E-02	.267542	.317899	.430841	18
3.55665E-02	3.91938E-02	6.56905E-02	2.27082E-02	
.112113	.319123	.391799	.453439	
8.53568E-03	.20158	.175382	.394668	
.124402	.162182	.201824	.19409	19
4.25376E-02	4.73744E-02	4.01531E-02	3.50966E-02	
.205124	.223814	.26474	.239417	
6.26726E-02	.10263	.153988	.144629	
7.64862E-03	.199304	.3972	.460825	20
1.42256E-02	2.86024E-02	4.85919E-02	2.31708E-02	
3.44953E-02	.246439	.460286	.481005	
-9.33603E-03	.149049	.310529	.400779	

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HONEYWELL CP DATA. RUN NO. 9

				LOCATION NUMBER
.147657	.369054	.514309	.661219	
1.83994E-02	3.43962E-02	1.17193E-02	2.41593E-02	1
.181525	.437183	.533617	.69959	
.11269	.31454	.496986	.620414	
-.415731	-.433681	-.45769	2.18529E-02	
8.15793E-03	7.76705E-03	1.45616E-02	9.99157E-03	2
-.406056	-.42119	-.437455	3.68857E-02	
-.428331	-.446601	-.487236	3.71708E-03	
-.412443	-.394895	-.39025	-.40629	
2.44352E-02	1.42420E-02	1.80519E-02	9.00485E-03	3
-.376402	-.376118	-.360703	-.390295	
-.446579	-.416241	-.42095	-.420387	
-2.22343E-03	2.79249E-02	5.41328E-02	2.42870E-02	
5.08494E-02	3.62285E-02	3.12590E-02	2.54228E-02	4
6.66654E-02	8.06202E-02	.103163	5.38713E-02	
-6.93948E-02	-2.49043E-02	-6.06102E-03	-2.19619E-02	
-.413758	-.413205	-.449142	-.476908	
7.17080E-03	5.82849E-03	9.80912E-03	6.63852E-03	5
-.402031	-.403937	-.434771	-.462115	
-.423768	-.420253	-.466036	-.484183	
-.383192	-.383527	-.430826	-.444046	
9.51614E-03	2.87708E-03	1.96949E-02	1.27361E-02	6
-.37345	-.380799	-.393443	-.420655	
-.398811	-.38976	-.465096	-.461179	
-.123644	-3.00668E-02	6.22240E-02	.168825	
6.60195E-03	6.83188E-03	2.86090E-02	2.21482E-02	7
-.108307	-2.16944E-02	.103029	.200188	
-.132997	-4.06861E-02	-1.36467E-03	.140672	
-.243804	-.26301	-.281979	-.26539	
1.86580E-02	5.40554E-03	2.16141E-02	9.09813E-03	8
-.214848	-.253875	-.243026	-.24799	
-.272143	-.271663	-.306225	-.281025	
-4.64899E-02	.158848	.35737	.385585	
1.11871E-02	1.34748E-02	3.62987E-02	2.11131E-02	9
-3.18239E-02	.178388	.433518	.42635	
-7.28835E-02	.139602	.309802	.354797	
-.146267	-.14823	-.145462	-.146705	
7.90281E-03	1.03954E-02	2.06968E-02	1.26765E-02	10
-.134875	-.135244	-.113675	-.129359	
-.159565	-.169883	-.176203	-.164132	
-8.65834E-02	-5.73641E-02	-3.30181E-02	-5.83228E-03	
1.21802E-02	7.28270E-03	3.65095E-02	1.56940E-02	11
-6.96631E-02	-4.69721E-02	2.88262E-02	2.60524E-02	
-.102269	-6.90400E-02	-9.71703E-02	-2.38343E-02	
3.21093E-03	8.78425E-02	.216774	.27146	
1.28490E-02	2.25587E-02	5.43747E-02	2.92736E-02	12
2.82895E-02	.125023	.258143	.310126	
-1.38436E-02	5.28014E-02	8.16937E-02	.216505	
3.76107E-03	6.88106E-02	.303644	.371287	
1.02241E-02	1.07600E-02	3.15224E-02	1.85137E-02	13
1.84942E-02	8.59700E-02	.357034	.391978	
-1.35752E-02	5.06614E-02	.251568	.327513	
-4.30951E-02	-7.07611E-03	4.15734E-02	4.68631E-02	
9.79223E-03	1.37684E-02	1.73700E-02	1.83363E-02	14
-3.15555E-02	1.80278E-02	6.51894E-02	7.52704E-02	
-5.93311E-02	-2.82479E-02	1.51397E-02	1.78940E-02	
5.14314E-03	8.61171E-02	.338611	.42623	
6.17699E-03	1.56381E-02	4.80691E-02	1.89695E-02	15
1.63473E-02	.109108	.455255	.453367	
-4.85339E-03	5.90874E-02	.291017	.387965	
-9.05327E-03	.134506	.214265	.244511	
1.19805E-02	1.78962E-02	3.95351E-02	3.61634E-02	16
6.14950E-03	.161937	.278136	.310661	
-2.71275E-02	9.76058E-02	.138989	.201392	
-2.27130E-02	7.04155E-02	.130791	.170884	
1.15367E-02	1.53699E-02	3.88658E-02	1.98795E-02	17
-3.77994E-03	9.17210E-02	.187295	.195239	
-4.09482E-02	4.74516E-02	8.08887E-02	.127431	
1.45895E-02	.235497	.353505	.446652	
1.47479E-02	3.26513E-02	4.95273E-02	2.79068E-02	18
4.43913E-02	.277626	.425601	.489745	
-6.59775E-03	.192431	.25452	.407225	
7.87820E-02	.161937	.145806	.189074	
2.45352E-02	2.40835E-02	3.50694E-02	8.59809E-03	19
.137647	.192163	.202457	.205538	
4.94902E-02	.112318	8.70610E-02	.17598	
-2.26459E-02	.220905	.393639	.45029	
9.17424E-03	2.42860E-02	4.31696E-02	2.32613E-02	20
-1.16967E-02	.258634	.46022	.483459	
-3.75937E-02	.184139	.33637	.414848	

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HONEYWELL CP DATA, RUN NO. 10

Col 1	Col 2	Col 3	Col 4	LOCATION NUMBER
.463873	.527554	.711755	.754995	1
1.94776E-02	5.99649E-03	3.72628E-02	1.67326E-02	
.49642	.536396	.75106	.771092	
.437587	.515722	.63235	.724933	
-6.93302E-02	-7.37105E-02	3.78479E-02	.658529	2
5.32746E-03	2.13709E-03	1.07327E-02	8.57351E-03	
-5.91681E-02	-7.03038E-02	5.19757E-02	.674223	
-7.43004E-02	-7.66751E-02	1.63627E-02	.645227	
-5.95073E-02	-3.97868E-02	-3.29606E-02	-3.53009E-02	3
1.02139E-02	6.80644E-03	1.18884E-02	6.06350E-03	
-4.07746E-02	-3.19462E-02	-1.20755E-02	-2.41447E-02	
-7.19523E-02	-4.96297E-02	-4.96452E-02	-4.65091E-02	
3.89164E-03	3.42368E-02	2.12285E-02	2.56421E-02	4
1.33517E-02	1.32789E-02	2.56352E-02	1.67996E-02	
2.30157E-02	6.12821E-02	7.65004E-02	4.80195E-02	
-1.92503E-02	2.11042E-02	-4.11802E-03	1.47033E-03	
-9.67248E-02	-.127294	-3.00907E-02	.362642	5
5.73309E-03	2.85180E-03	2.50052E-02	4.20873E-02	
-8.73454E-02	-.121794	2.53496E-03	.409621	
-.103391	-.130506	-6.82996E-02	.291037	
-.128007	-.118829	-1.50237E-02	.112707	6
6.88519E-03	4.73737E-03	1.76030E-02	2.82472E-02	
-.119567	-.112042	1.28405E-02	.171544	
-.138221	-.125305	-3.98614E-02	8.14361E-02	
-8.53234E-02	-8.36314E-02	-8.43593E-03	8.88345E-02	7
4.46330E-03	6.53088E-03	2.05423E-02	2.10641E-02	
-7.78225E-02	-7.04338E-02	3.04514E-02	.113942	
-9.04762E-02	-9.31883E-02	-3.33389E-02	5.25704E-02	
-.108752	-9.26552E-02	2.56769E-02	.161285	8
6.84942E-03	2.86555E-03	1.80300E-02	1.35253E-02	
-9.72596E-02	-8.83774E-02	5.34106E-02	.180516	
-.119045	-9.81293E-02	2.01315E-03	.142288	
-1.27420E-03	1.46029E-02	.116066	.227039	9
1.11319E-02	6.25144E-03	2.12490E-02	3.63686E-02	
1.81890E-02	2.24045E-02	.146552	.273094	
-2.29029E-02	4.00479E-05	8.11966E-02	.172454	
-.1063	-8.85594E-02	4.39139E-02	.141846	10
5.66811E-03	5.24150E-03	1.83745E-02	3.29055E-02	
-9.41288E-02	-7.77153E-02	7.02387E-02	.199629	
-.113957	-9.60489E-02	2.32766E-02	8.63771E-02	
-7.55136E-02	-3.92277E-02	.102056	.208211	11
3.72649E-03	7.29783E-03	2.29893E-02	1.99097E-02	
-7.05173E-02	-2.77854E-02	.12842	.241107	
-8.17360E-02	-5.15801E-02	6.44989E-02	.178955	
-6.14510E-02	-3.34806E-02	8.15097E-02	.198862	12
7.50427E-03	1.19831E-02	2.70443E-02	1.66466E-02	
-4.62535E-02	-6.85131E-03	.138203	.226935	
-6.97346E-02	-4.63791E-02	3.78870E-02	.180646	
-3.00919E-03	-5.05696E-03	.135151	.176485	13
5.02853E-03	8.80507E-03	3.88532E-02	1.43986E-02	
7.49207E-03	1.05721E-02	.20969	.193518	
-1.16841E-02	-1.59531E-02	9.18935E-02	.156331	
-6.81431E-02	-3.88673E-03	.10169	.173247	14
8.82642E-03	1.27544E-02	2.67116E-02	1.60273E-02	
-5.76027E-02	2.38347E-02	.134159	.199759	
-8.63018E-02	-1.76434E-02	6.41076E-02	.15061	
6.08321E-03	1.97649E-02	.156101	.210122	15
1.03040E-02	8.87587E-03	3.31512E-02	2.44765E-02	
2.24939E-02	3.54070E-02	.205646	.25294	
-1.05101E-02	6.67135E-03	.108069	.182336	
-5.05192E-02	2.66823E-02	.123841	.245359	16
7.95800E-03	1.29237E-02	2.67360E-02	1.84396E-02	
-4.10355E-02	4.35986E-02	.189731	.273224	
-6.45166E-02	5.60150E-04	9.46330E-02	.219393	
-4.16356E-02	1.40422E-05	.126163	.173639	17
5.40643E-03	1.77412E-02	3.61009E-02	1.50580E-02	
-3.42521E-02	2.63052E-02	.187122	.20392	
-5.26456E-02	-2.33646E-02	7.28478E-02	.155681	
-2.60598E-02	9.48937E-02	.207277	.329564	18
9.26805E-03	1.98010E-02	4.09706E-02	3.23906E-02	
-1.25973E-02	.125255	.250652	.367622	
-3.92092E-02	6.67432E-02	.131029	.282326	
.132829	.204063	.217948	.189539	19
4.76694E-02	3.71017E-02	3.79623E-02	1.73684E-02	
.213343	.261001	.267088	.213022	
8.04139E-02	.14996	.149814	.157371	
-3.63393E-02	6.73803E-02	.173125	.25294	20
6.80562E-03	1.96989E-02	3.70062E-02	1.54909E-02	
-2.53814E-02	9.50888E-02	.225605	.277905	
-4.70362E-02	3.77475E-02	.115505	.229925	

HONEYWELL CP DATA, RUN NO. 11

				LOCATION NUMBER
.478254	.512883	.710523	.769953	
2.16917E-02	6.77429E-03	1.88118E-02	7.93991E-03	1
.506647	.521576	.738647	.783448	
.430163	.502317	.677997	.756565	
-8.12698E-02	-8.29361E-02	4.67529E-02	.678325	
2.70507E-03	1.11846E-03	1.24345E-02	1.22714E-02	2
-7.74457E-02	-8.16120E-02	7.00199E-02	.69638	
-8.50940E-02	-8.48218E-02	2.82895E-02	.659467	
-6.16525E-02	-5.42478E-02	-4.05725E-02	-3.66337E-02	
5.93265E-03	6.26501E-03	1.33586E-02	6.11373E-03	3
-5.19511E-02	-4.71059E-02	-1.71981E-02	-2.22294E-02	
-7.03340E-02	-6.63651E-02	-5.98678E-02	-4.49660E-02	
8.53794E-03	2.70555E-02	3.53072E-02	1.73323E-02	
1.44004E-02	1.30586E-02	1.41209E-02	9.88553E-03	4
3.37909E-02	5.29351E-02	5.84803E-02	3.62170E-02	
-9.41556E-03	2.51338E-03	8.02805E-03	8.13066E-03	
-.10871	-.130482	-5.39012E-03	.374578	
8.64574E-03	1.92786E-03	1.00443E-02	2.81613E-02	5
-9.71703E-02	-.128021	1.25902E-02	.42635	
-.125483	-.133505	-1.97475E-02	.335805	
-.12767	-.134281	-3.59164E-02	.104748	
5.22291E-03	3.84335E-03	1.69328E-02	1.25697E-02	6
-.120115	-.130161	7.62550E-03	.123285	
-.13501	-.141663	-5.15486E-02	8.38301E-02	
-7.76335E-02	-9.62971E-02	-3.12201E-02	7.63003E-02	
7.68240E-03	4.86877E-03	1.08810E-02	1.74379E-02	7
-6.51009E-02	-8.99042E-02	-1.58563E-02	-.106968	
-9.00587E-02	-.104215	-4.45711E-02	5.58775E-02	
-.113366	-.101848	3.33213E-02	.189301	
4.99362E-03	5.61031E-03	1.57823E-02	1.59477E-02	8
-.102135	-9.35153E-02	5.60651E-02	.213027	
-.119579	-.109431	1.40662E-02	.165949	
3.54279E-02	2.84063E-02	.136842	.175311	
8.54509E-02	1.82831E-02	2.47230E-02	1.56231E-02	9
4.51963E-02	5.54762E-02	.171059	.192698	
2.01044E-02	-1.49896E-03	.100077	.150301	
-.109314	-9.40770E-02	2.35394E-02	8.87118E-02	
4.11055E-03	8.79947E-03	2.44233E-02	2.22762E-02	10
-.103611	-7.92046E-02	6.85439E-02	.117266	
-.115017	-.107425	-6.32939E-03	5.96223E-02	
-8.36583E-02	-4.23847E-02	.103257	.233504	
5.43256E-03	5.95734E-03	2.92359E-02	1.51418E-02	11
-7.36886E-02	-3.34639E-02	.132549	.257431	
-9.08638E-02	-5.36593E-02	3.32542E-02	.206206	
-6.78651E-02	-3.56038E-02	5.68970E-02	.156373	
8.77309E-03	7.56324E-03	1.53672E-02	1.62928E-02	12
-4.68522E-02	-2.71779E-02	7.76683E-02	.18454	
-7.73115E-02	-4.77746E-02	2.77527E-02	.134118	
-3.71724E-04	-3.58178E-02	9.07644E-02	.149673	
8.72520E-03	6.87682E-03	1.60132E-02	2.66448E-02	13
1.63473E-02	-2.41018E-02	.11752	.208346	
-1.70639E-02	-4.41635E-02	6.33109E-02	.118604	
-7.52182E-02	-1.66121E-02	8.37467E-02	.171593	
3.93553E-03	1.34115E-02	1.96735E-02	1.74798E-02	14
-6.99315E-02	8.53189E-03	.115507	.204468	
-8.25445E-02	-3.49351E-02	4.10367E-02	.147894	
7.22296E-03	-1.18642E-02	.112931	.174562	
5.04064E-03	8.96038E-03	1.79135E-02	1.63178E-02	15
1.72866E-02	5.32202E-03	.140063	.198717	
-4.25396E-04	-2.41018E-02	7.72657E-02	.150569	
-5.79759E-02	2.68817E-02	.111442	.206888	
5.29927E-03	6.15703E-03	1.47244E-02	2.00394E-02	16
-5.12802E-02	3.88919E-02	.137379	.24633	
-6.71136E-02	1.86965E-02	9.43068E-02	.182935	
-4.91065E-02	-8.69442E-03	9.82383E-02	.150315	
6.19809E-03	9.04483E-03	2.77839E-02	1.64581E-02	17
-3.94722E-02	7.06070E-03	.14127	.164879	
-5.78551E-02	-2.07582E-02	6.39818E-02	.111382	
-3.40916E-02	7.01079E-02	.173071	.245006	
6.93096E-03	1.58946E-02	3.59868E-02	1.70201E-02	18
-2.53832E-02	.103491	.231306	.271875	
-4.61813E-02	5.09289E-02	.115239	.218778	
.15921	.181959	.214493	.209657	
3.08231E-02	9.05481E-03	1.83340E-02	1.21149E-02	19
.207824	.202462	.24459	.231217	
.115239	.170229	.190649	.189622	
-4.34977E-02	6.60956E-02	.187912	.277546	
5.69351E-03	1.11930E-02	1.92052E-02	1.25006E-02	20
-3.63861E-02	8.86449E-02	.219767	.299025	
-5.15486E-02	5.01265E-02	.156835	.262379	

HONEYWELL CP DATA, RUN NO. 12

				LOCATION NUMBER
.440974	.5084	.712879	.768466	
2.84281E-02	7.36892E-03	2.61419F-02	3.15168E-03	1
.478831	.517668	.746062	.771632	
.405895	.495401	.664794	.763568	
-5.90859E-02	-6.93979E-02	4.53795E-02	.684406	
3.38600E-03	1.53156E-03	1.24932E-02	5.28005E-03	2
-5.35795E-02	-6.63287E-02	6.46400E-02	.690749	
-6.65003E-02	-7.19857E-02	2.04435E-02	.676185	
-5.08867E-02	-3.65751E-02	-2.31371E-02	-4.09563E-02	
8.68484E-03	1.00358E-02	2.47233E-02	7.91905E-03	3
-3.59492E-02	-1.64988E-02	8.85100E-03	-2.48037E-02	
-6.54135E-02	-4.86354E-02	-6.19116E-02	-5.29685E-02	
1.09401E-02	1.76600E-02	3.41613E-02	7.16443E-03	
3.21872E-02	1.91894E-02	2.63921E-02	2.20737E-02	4
6.35532E-02	4.33212E-02	7.96136E-02	3.68216E-02	
-3.87266E-02	-5.78653E-03	3.05475E-03	-1.74616E-02	
-8.47344E-02	-.115894	-1.65559E-02	.331263	
8.50249E-03	3.36477E-03	2.39038E-02	4.54553E-02	5
-7.24173E-02	-.110261	2.79303E-02	.39863	
-.101157	-.121093	-4.73002E-02	.260695	
-.112593	-.112138	5.33702E-03	.136289	
7.25701E-03	4.98470E-03	4.45479E-02	3.59257E-02	6
-.101882	-.105326	7.71985E-02	.191005	
-.124342	-.119408	-5.05606E-02	7.64208E-02	
-8.38408E-02	-7.70529E-02	6.42173E-02	.182351	
5.39357E-02	1.36907E-02	4.74253E-02	2.80250E-02	7
-7.80928E-02	-4.68300E-02	.137697	.230123	
-9.17382E-02	-9.20861E-02	-4.06982E-03	.152249	
-.103778	-9.67441E-02	2.50081E-02	.165585	
8.85667E-03	6.75410E-03	3.60182E-02	3.46185E-02	8
-8.99268E-02	-8.58273E-02	8.05797E-02	.210384	
-.120961	-.105326	-3.38964E-02	.108557	
-4.80642E-03	1.98886E-03	.138615	.201706	
1.43302E-02	6.12338E-03	3.28096E-02	3.79431E-02	9
1.79076E-02	1.17863E-02	.187327	.240474	
-2.74963E-02	-7.83268E-03	8.97571E-02	.141898	
-9.66892E-02	-8.25535E-02	5.56920E-02	.166464	
7.34220E-03	7.62867E-03	4.01655E-02	2.37756E-02	10
-8.46136E-02	-7.48744E-02	.115599	.205088	
-.106953	-9.97893E-02	-9.98683F-03	.139731	
-6.53894E-02	-5.16565E-02	9.78715E-02	.203547	
7.86495E-03	1.22098E-02	3.70827E-02	1.59972E-02	11
-5.33390E-02	-3.07015E-02	.150014	.226994	
-8.05079E-02	-6.82544E-02	5.31682E-02	.17596	
-5.94120E-02	-3.14959E-02	7.29600E-02	.151864	
1.06770E-02	1.81935E-02	3.45036F-02	1.98385E-02	12
-4.18662E-02	-4.10146E-03	.119946	.178608	
-8.36476E-02	-6.01902E-02	5.95288E-03	.107233	
-8.48900E-05	2.28977E-03	.153625	.213826	
9.52959E-03	1.77530E-02	2.10696E-02	1.52515E-02	13
1.30774E-02	2.00913E-02	.180807	.233132	
-1.38510E-02	-2.42019E-02	.11427	.192811	
-5.83010E-02	-9.71033E-03	.102291	.212406	
1.23344E-02	1.61733E-02	3.61345E-02	3.74701E-02	14
-3.95719E-02	1.45547E-02	.143372	.256964	
-7.43494E-02	-2.92571E-02	2.06850F-02	.142379	
6.07363E-03	1.25446E-02	.155846	.245	
1.03557E-02	1.37895E-02	2.80785E-02	3.08424E-02	15
2.78096E-02	3.67013E-02	.210995	.307034	
-8.17550E-03	-6.74942E-03	.124535	.204727	
-4.41485E-02	3.42459E-02	.137794	.233204	
1.10120E-02	1.85415E-02	3.76819E-02	2.61648E-02	16
-2.87039E-02	7.05230E-02	.192399	.279833	
-6.01003E-02	3.48135E-03	5.59456E-02	.184024	
-3.32685E-02	-1.09241E-03	.14301	.210179	
8.26244E-03	7.67956E-03	3.95434E-02	2.82624E-02	17
-1.50586E-02	1.56379E-02	.205078	.246011	
-4.34361E-02	-1.14435E-02	8.78250E-02	.153091	
-2.07703E-02	.105055	.235388	.350473	
7.88713E-03	2.39989E-02	6.34810E-02	3.22695E-02	18
-1.09529E-02	.141055	.325351	.393695	
-3.31719E-02	7.56986E-02	.146995	.294397	
.140812	.172506	.180227	.190789	
3.20974E-02	1.49784E-02	4.01569E-02	2.35408E-02	19
.188173	.196422	.236596	.241196	
8.33570E-02	.153934	9.32590E-02	.157665	
-2.51054E-02	5.45991E-02	.184514	.220927	
1.17613E-02	1.54702E-02	4.92271F-02	2.02839E-02	20
-8.41701E-03	7.81058E-02	.26763	.255038	
-4.17455E-02	2.92388E-02	.114029	.194977	

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				LOCATION NUMBER
.378097	.477371	.691601	.735451	
2.41188E-02	3.59347E-03	2.78611E-02	8.56578E-03	1
.411812	.480837	.723843	.746958	
.340807	.470968	.629533	.716867	
1.55408E-02	2.00090E-03	4.60074E-02	.646732	
2.75774E-03	3.90619E-03	5.36785E-03	1.56255E-02	2
2.05643E-02	9.13837E-03	5.49795E-02	.667037	
1.18699E-02	-5.54580E-03	3.98851E-02	.621541	
-.185493	-.195068	-.186229	-.192817	
3.68221E-03	4.79533E-03	6.52914E-03	5.03612E-03	3
-.178924	-.186691	-.17832	-.181636	
-.190275	-.201856	-.202229	-.198005	
-.186881	-.193371	-.18286	-.193503	
9.13490E-03	6.63727E-03	1.84840E-02	1.19619E-02	4
-.173248	-.183321	-.146078	-.175497	
-.199573	-.20318	-.219014	-.205588	
-.258489	-.260027	-.209801	1.63981E-03	
1.20707E-02	5.47704E-03	1.67700E-02	3.45549E-02	5
-.230245	-.250964	-.184841	7.66615E-02	
-.275407	-.2695	-.239905	-3.87657E-02	
-.198063	-.211281	-.17192	-8.69828E-02	
3.02573E-03	3.67772E-03	1.26141E-02	1.23593E-02	6
-.191965	-.205828	-.14958	-6.65694E-02	
-.202109	-.217864	-.190878	-.108335	
-.218181	-.221367	-.162887	-6.25011E-02	
6.04255E-03	5.73182E-03	2.21464E-02	2.07521E-02	7
-.210803	-.21317	-.11287	-3.14237E-02	
-.229399	-.231465	-.191844	-9.53359E-02	
-.197496	-.204793	-.181773	-.135633	
5.42389E-03	5.27613E-03	8.21153E-03	1.66670E-02	8
-.191724	-.197403	-.165882	-.106048	
-.207784	-.21642	-.193414	-.161054	
-.198981	-.221921	-7.87328E-02	-1.42961E-02	
9.85290E-03	6.02953E-03	2.97703E-02	2.79029E-02	9
-.185565	-.213652	-2.25454E-02	2.43040E-02	
-.214184	-.230743	-.118425	-5.23666E-02	
-.181979	-.192312	-.141103	-.118686	
5.70577E-03	3.58078E-03	2.13067E-02	1.83756E-02	10
-.172644	-.187293	-.104538	-9.05214E-02	
-.190637	-.199088	-.161173	-.148416	
-.163431	-.179866	-.144593	-8.13017E-02	
5.16975E-03	4.58441E-03	1.35181E-02	1.09465E-02	11
-.155376	-.17309	-.121806	-6.31992E-02	
-.170108	-.185969	-.162984	-9.72617E-02	
-.175192	-.18509	-.172294	-.124945	
1.18759E-02	9.37946E-03	7.40450E-03	2.15155E-02	12
-.157671	-.161896	-.159844	-7.71612E-02	
-.192207	-.195116	-.184599	-.150943	
-.154797	-.15843	-4.07794E-02	3.19711E-02	
1.09671E-02	4.97993E-03	3.85957E-02	2.01918E-02	13
-.137142	-.151304	2.15303E-02	6.43846E-02	
-.166486	-.16647	-9.39118E-02	-2.49872E-04	
-.166317	-.179722	-.118727	-7.92315E-02	
5.82316E-03	4.75198E-03	3.04447E-02	1.92683E-02	14
-.153444	-.174173	-5.72022E-02	-4.47838E-02	
-.172886	-.186691	-.157791	-.114473	
-.159373	-.160524	-2.89333E-02	7.50366E-02	
1.69307E-02	7.92687E-03	5.01206E-02	2.81750E-02	15
-.12567	-.148295	3.33643E-02	.117464	
-.18472	-.170201	-.119753	2.33411E-02	
-.172439	-.193876	-.140608	-.108552	
8.21179E-03	6.89420E-03	1.72246E-02	3.46862E-02	16
-.159361	-.183682	-.105625	-3.79232E-02	
-.194961	-.203902	-.162139	-.145407	
-.178066	-.179156	-.126298	-5.91551E-02	
4.64005E-03	6.18940E-03	3.05669E-02	3.76143E-02	17
-.171316	-.170923	-4.94738E-02	-1.57766E-02	
-.184841	-.190783	-.15115	-.122899	
-.182136	-.196693	-7.18015E-02	1.40973E-02	
1.33650E-02	6.22142E-03	4.26037E-02	4.00489E-02	18
-.164071	-.188978	2.35832E-02	6.69122E-02	
-.212494	-.210402	-.129293	-5.46535E-02	
-.145547	-.161475	-.161812	-.126449	
7.34629E-02	1.16820E-02	2.52136E-02	1.41814E-02	19
-.103089	-.147332	-.120961	-9.50952E-02	
-.181942	-.183561	-.197037	-.151665	
-.176182	-.189616	-.126649	-8.21442E-02	
2.78267E-02	1.26899E-02	1.83765E-02	1.71612E-02	20
-.140544	-.173932	-9.04099E-02	-6.24771E-02	
-.21672	-.207032	-.152961	-.115196	

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Col 1	Col 2	Col 3	Col 4	LOCATION NUMBER
.445819	.506256	.714442	.770975	
1.97779E-02	6.06785E-03	2.38281E-02	4.18118E-03	1
.469678	.516112	.748972	.777463	
.401452	.498168	.67305	.764721	
8.19651E-03	-7.93052E-03	3.81479E-02	.678085	
3.35904E-03	1.83879E-03	5.03589E-03	4.80739E-03	2
1.34928E-02	-5.55105E-03	4.64968E-02	.683585	
2.66541E-03	-1.17923E-02	3.05818E-02	.669282	
-.198502	-.199926	-.206642	-.21038	
6.46287E-03	3.21023E-03	8.65853E-03	6.16528E-03	3
-.185575	-.194738	-.190923	-.200719	
-.206577	-.20449	-.21623	-.218923	
-.202938	-.212162	-.19952	-.203216	
1.35882E-02	8.93286E-03	1.11462E-02	7.65974E-03	4
-.170573	-.199159	-.18427	-.190577	
-.215939	-.224254	-.221448	-.212552	
-.286504	-.281556	-.209134	4.94758E-02	
1.26637E-02	2.72033E-03	1.92985E-02	1.41190E-02	5
-.267497	-.277695	-.186749	7.49348E-02	
-.306502	-.285236	-.252235	3.69673E-02	
-.22004	-.227505	-.203511	-7.50237E-02	
4.70031E-03	3.85679E-03	8.94814E-03	1.66630E-02	6
-.212969	-.221004	-.185705	-5.09300E-02	
-.226275	-.232446	-.215448	-9.90395E-02	
-.241773	-.245292	-.203499	-.100496	
8.12030E-03	4.13540E-03	1.09155E-02	8.73302E-03	7
-.225101	-.236477	-.186749	-8.55168E-02	
-.253931	-.250259	-.221188	-.111782	
-.218944	-.223916	-.209812	-.129999	
4.10929E-03	4.54360E-03	9.36312E-03	1.96999E-02	8
-.2131	-.217493	-.20162	-9.25382E-02	
-.226536	-.231796	-.226667	-.158981	
-.231037	-.240767	-.145161	-4.23483E-02	
7.78515E-03	3.33170E-03	3.02595E-02	1.45361E-02	9
-.213752	-.236086	-9.79119E-02	-1.88137E-02	
-.241929	-.244928	-.188836	-6.77033E-02	
-.208129	-.2167	-.184779	-.125799	
9.53265E-03	4.08809E-03	1.42429E-02	1.99839E-02	10
-.198098	-.210341	-.161702	-9.86494E-02	
-.223797	-.221394	-.210099	-.168473	
-.187701	-.199913	-.157567	-.110339	
5.99166E-03	6.15789E-03	1.59959E-02	1.08685E-02	11
-.179574	-.191099	-.130524	-9.26682E-02	
-.200576	-.208131	-.187401	-.128685	
-.194589	-.19912	-.187466	-.144952	
1.19310E-02	2.66965E-03	1.39576E-02	1.61149E-02	12
-.177487	-.194738	-.157919	-.108271	
-.211143	-.20319	-.200185	-.166523	
-.179248	-.185129	-5.91029E-02	1.61372E-02	
9.18235E-03	3.90054E-03	3.29503E-02	7.23158E-03	13
-.165224	-.179005	-3.07441E-03	3.12462E-02	
-.196924	-.192918	-.10613	8.75176E-03	
-.18324	-.19089	-.16392	-9.28502E-02	
7.61095E-03	3.79840E-03	1.09197E-02	1.27136E-02	14
-.17266	-.185376	-.138091	-7.58949E-02	
-.199924	-.195649	-.180487	-.109702	
-.183474	-.185663	-5.01801E-02	7.71322E-02	
1.29449E-02	5.21855E-03	4.31454E-02	3.21500E-02	15
-.160789	-.178485	2.92631E-03	.129025	
-.203055	-.192788	-.12909	3.28065E-02	
-.196793	-.201721	-.150549	-9.10689E-02	
6.30140E-03	3.04618E-03	2.54256E-02	2.08309E-02	16
-.186749	-.197599	-.10039	-5.26203E-02	
-.207229	-.208001	-.182835	-.122574	
-.187466	-.199874	-.15274	-7.75202E-02	
7.20593E-03	6.28232E-03	1.97291E-02	2.83031E-02	17
-.177878	-.192658	-.130916	-4.31285E-02	
-.197185	-.212942	-.189358	-.132196	
-.204738	-.217701	-.113527	-2.57440E-02	
1.28293E-02	1.01578E-02	2.74350E-02	1.81075E-02	18
-.190793	-.20306	-7.22131E-02	3.03064E-03	
-.232537	-.234656	-.150092	-5.37906E-02	
-.154554	-.143287	-.138691	-.166822	
2.58570E-02	1.49276E-02	2.26509E-02	1.55647E-02	19
-.109522	-.123744	-8.56495E-02	-.138827	
-.180748	-.167953	-.166137	-.196299	
-.190206	-.193347	-.12502	-6.47257E-02	
7.74250E-03	5.85965E-03	2.77629E-02	2.07222E-02	20
-.178791	-.184076	-8.70845E-02	-3.61071E-02	
-.203055	-.200329	-.167572	-.109832	

HONEYWELL CP DATA, RUN NO. 16

				LOCATION NUMBER
9.01193E-02	.257782	.474496	.617532	
4.14508E-02	2.13413E-02	7.37117E-03	2.64604E-02	1
.141199	.289221	.484506	.655362	
2.57567E-02	.213152	.461804	.585552	
-.36642	-.372638	-.380283	7.42302E-02	
3.04482E-03	4.48308E-03	1.26827E-02	2.92954E-02	2
-.360298	-.363262	-.354623	.124566	
-.370925	-.37915	-.391453	3.20072E-02	
-.316983	-.342548	-.308965	-.328887	
2.22553E-02	1.11109E-02	8.78052E-03	5.66865E-03	3
-.280116	-.320654	-.297505	-.322339	
-.363317	-.354837	-.323226	-.338949	
-.19624	-.220657	-.215585	-.209981	
3.83346E-02	1.95352E-02	3.49738E-02	2.14635E-02	4
-.137142	-.193551	-.154772	-.185607	
-.256328	-.243863	-.276735	-.240252	
-.332911	-.342066	-.34396	-.316706	
7.43268E-03	6.90979E-03	1.14946E-02	1.12228E-02	5
-.323588	-.331968	-.324675	-.295739	
-.345928	-.350744	-.363438	-.334616	
-.286444	-.295811	-.307335	-.313215	
1.03054E-02	7.65758E-03	2.24593E-02	1.97280E-02	6
-.272509	-.280573	-.283618	-.279008	
-.300645	-.309219	-.363317	-.352068	
-.259987	-.260521	-4.92927E-02	.143366	
1.58845E-02	1.08813E-02	3.10175E-02	4.31887E-02	7
-.235558	-.244224	-2.37924E-03	.208217	
-.281928	-.274194	-.106833	8.30407E-02	
-.223217	-.232091	-.250314	-.242599	
9.40194E-03	8.05942E-03	2.13657E-02	2.40277E-02	8
-.211044	-.222438	-.231814	-.215337	
-.237973	-.25289	-.304509	-.289841	
-.19304	-.24964	.166751	.400122	
1.63263E-02	9.55650E-03	8.75739E-02	3.12552E-02	9
-.169988	-.231345	.311222	.447136	
-.223603	-.263843	2.03228E-02	.350726	
-.194404	-.198703	-.221429	-.241949	
1.60713E-02	6.74490E-03	1.35617E-02	9.86298E-03	10
-.164312	-.188857	-.201626	-.230262	
-.217203	-.214254	-.244011	-.260593	
-.190118	-.198835	-.180747	-.172223	
2.31724E-02	1.09155E-02	2.51951E-02	1.71578E-02	11
-.137987	-.185728	-.133761	-.142157	
-.219497	-.223401	-.212856	-.199569	
-.231247	-.205527	-.159385	-9.75506E-02	
3.68713E-02	2.85759E-02	3.35410E-02	1.85593E-02	12
-.164554	-.168155	-7.94211E-02	-6.99395E-02	
-.307045	-.24976	-.206818	-.12663	
-.163153	-.178193	.103052	.251644	
2.39474E-02	1.58936E-02	5.22760E-02	4.02078E-02	13
-.124342	-.149378	.185275	.327616	
-.200901	-.197162	2.02020E-02	.189561	
-.194416	-.192528	-.186507	-.169347	
2.03560E-02	1.05785E-02	2.60888E-02	2.41357E-02	14
-.172644	-.168155	-.14632	-.12988	
-.227588	-.207634	-.226622	-.198607	
-.169831	-.184464	.114331	.291411	
2.85323E-02	1.40889E-02	4.94178E-02	3.92120E-02	15
-.122169	-.1631	.177667	.360114	
-.208146	-.20318	3.61417E-02	.206412	
-.248672	-.258342	-.148614	-6.28382E-02	
1.61949E-02	1.43606E-02	3.61986E-02	3.51315E-02	16
-.22155	-.240131	-6.66211E-02	-3.01820E-03	
-.270335	-.281536	-.197399	-.107492	
-.225547	-.220886	-.139932	-.161716	
1.30071E-02	6.22607E-03	5.38117E-02	3.06838E-02	17
-.199814	-.214013	-3.52247E-02	-.111224	
-.245943	-.234113	-.214305	-.210522	
-.260373	-.291911	-7.62936E-02	7.49162E-02	
1.80373E-02	2.17142E-02	8.39204E-02	4.89400E-02	18
-.232056	-.261797	6.29494E-02	.140213	
-.286758	-.32607	-.208992	-2.89784E-03	
-.193161	-.182984	-.190842	-.195273	
3.40238E-02	2.76806E-02	5.21904E-02	3.42413E-02	19
-.153927	-.117844	-7.76098E-02	-.117121	
-.247754	-.223281	-.264056	-.235076	
-.234592	-.252589	-6.00158E-02	5.96423E-02	
2.93988E-02	1.46251E-02	6.13773E-02	4.74198E-02	20
-.197399	-.230984	5.67909E-02	.126612	
-.289052	-.275518	-.143663	-7.11051E-03	

HONEYWELL CP DATA, RUN NO. 17

				LOCATION NUMBER
.103934	.306003	.490994	.623682	
2.38801E-02	1.95290E-02	2.42816E-02	2.23792E-02	1
.129855	.332255	.552253	.650428	
5.87591E-02	.270883	.465634	.585545	
-.380155	-.385772	-.392873	8.74563E-02	
8.60820E-03	5.56996E-03	1.10294E-02	3.49413E-02	2
-.36364	-.380415	-.375902	.132016	
-.391425	-.398358	-.40734	4.17783E-02	
-.328835	-.338235	-.333623	-.332943	
9.79392E-03	8.56965E-03	1.48062E-02	1.02142E-02	3
-.31459	-.326844	-.306894	-.321123	
-.345116	-.35402	-.356334	-.348819	
-.214274	-.201253	-.192423	-.214346	
2.36036E-02	1.85061E-02	2.82107E-02	2.51403E-02	4
-.19014	-.171594	-.136917	-.171334	
-.263454	-.229715	-.221318	-.25624	
-.351142	-.36264	-.3588	-.329731	
5.72676E-03	6.08963E-03	7.82439E-03	1.36950E-02	5
-.343289	-.352589	-.340419	-.30656	
-.359596	-.369493	-.365988	-.350639	
-.290418	-.297368	-.314551	-.342656	
4.75023E-03	5.58628E-03	1.44617E-02	1.32283E-02	6
-.284847	-.288747	-.290065	-.316312	
-.299719	-.30643	-.339898	-.3574	
-.285513	-.274197	-8.43059E-02	8.65331E-02	
2.92807E-02	1.86824E-02	2.82290E-02	4.68810E-02	7
-.250409	-.250389	-3.02081E-02	.154901	
-.329853	-.30604	-.131307	2.90061E-03	
-.23692	-.245253	-.247552	-.259491	
1.36778E-02	2.92558E-03	9.19946E-03	1.02845E-02	8
-.222362	-.239207	-.229928	-.238037	
-.268541	-.249089	-.255887	-.274184	
-.203433	-.247152	8.29968E-02	.355192	
1.02454E-02	1.21490E-02	5.62601E-02	2.18855E-02	9
-.189879	-.226725	.172773	.386606	
-.215317	-.260661	1.40146E-02	.323414	
-.203799	-.211408	-.231402	-.222434	
1.71142E-02	7.57389E-03	2.77746E-02	1.07689E-02	10
-.185575	-.200589	-.201098	-.20332	
-.243886	-.225554	-.285239	-.240507	
-.186592	-.209106	-.19288	-.185702	
1.33510E-02	1.19892E-02	1.73340E-02	1.81708E-02	11
-.163659	-.186417	-.159224	-.155341	
-.212317	-.226855	-.220666	-.2054	
-.209891	-.211018	-.137086	-6.42706E-02	
2.52609E-02	1.25897E-02	2.27782E-02	3.10197E-02	12
-.177226	-.190187	-.100651	-6.98133E-03	
-.260062	-.228025	-.165355	-.118023	
-.170782	-.196624	9.20370E-02	.264278	
2.48153E-02	1.23017E-02	5.62919E-02	2.28589E-02	13
-.137047	-.181086	.168468	.291167	
-.224971	-.220613	8.40523E-03	.226935	
-.187871	-.203892	-.187479	-.188484	
1.05405E-02	7.08954E-03	1.73202E-02	1.26791E-02	14
-.173051	-.196299	-.157006	-.164832	
-.205273	-.219443	-.213621	-.199939	
-.161989	-.176925	9.10195E-02	.257439	
1.00172E-02	1.24109E-02	3.76146E-02	2.27118E-02	15
-.145787	-.162882	.145248	.298059	
-.174486	-.200069	3.12341E-02	.232006	
-.249182	-.252015	-.175765	-.119441	
1.36454E-02	1.24402E-02	2.99943E-02	2.82496E-02	16
-.235015	-.234526	-.124654	-6.74433E-02	
-.280543	-.274184	-.237755	-.161062	
-.222766	-.226452	-.181765	-.142871	
1.02942E-02	7.24945E-03	2.84166E-02	1.61164E-02	17
-.20462	-.213982	-.12622	-.114643	
-.237985	-.237127	-.217796	-.161972	
-.282121	-.300163	-7.72224E-02	5.35846E-02	
2.87812E-02	2.27682E-02	5.25065E-02	2.53800E-02	18
-.25093	-.262612	1.53191E-02	9.79493E-02	
-.342767	-.329835	-.166398	2.09742E-02	
-.19014	-.189758	-.159602	-.184544	
2.99492E-02	1.96827E-02	4.45508E-02	1.62210E-02	19
-.13796	-.155341	-6.80387E-02	-.165092	
-.229667	-.215412	-.205403	-.208521	
-.24236	-.245123	-3.14343E-02	4.03220E-02	
1.26807E-02	1.20484E-02	6.25601E-02	2.16319E-02	20
-.221448	-.227765	8.99367E-02	8.20862E-02	
-.264497	-.266122	-.12061	8.10163E-03	

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HONEYWELL CP DATA, RUN NO. 18

				LOCATION NUMBER
.332001	.5006	.644951	.762549	
2.14465E-02	5.37329E-03	3.85409E-02	5.00314E-03	1
.366753	.50805	.694575	.769011	
.30231	.494007	.585127	.755099	
-.198698	-.117867	.505369	.673859	
9.94696E-03	3.95926E-03	4.67102E-02	1.09601E-02	2
-.186749	-.108141	.553036	.683195	
-.218187	-.121794	.407584	.647698	
-6.40078E-02	-7.13830E-02	-5.55546E-02	-4.27254E-02	3
1.69268E-02	1.80147E-02	2.39687E-02	9.09480E-03	
-4.10355E-02	-3.44167E-02	-2.64250E-02	-2.32345E-02	
-9.20416E-02	-8.72071E-02	-9.90859E-02	-5.41806E-02	
-7.01259E-02	-6.04609E-02	-7.65050E-02	-7.09409E-02	
1.78265E-02	1.54976E-02	3.52612E-02	2.24091E-02	4
-4.46881E-02	-4.02679E-02	-2.52510E-02	-3.61071E-02	
-.106391	-8.20061E-02	-.126089	-.112042	
-.15801	-.201877	-5.66504E-02	.464127	
8.71024E-03	4.65074E-03	4.71157E-02	1.98764E-02	5
-.147483	-.195128	4.34964E-02	.499859	
-.171095	-.207221	-.104043	.431335	
-.156876	-.162284	-.128033	-8.21658E-03	
3.10005E-03	2.41486E-03	1.24935E-02	1.38553E-02	6
-.150483	-.157421	-.102999	1.90238E-02	
-.161833	-.165353	-.14944	-2.51849E-02	
-.137491	-.156407	5.73372E-02	.233696	
1.20264E-02	6.54781E-03	3.57402E-02	2.29999E-02	7
-.118914	-.142728	.114983	.281415	
-.154397	-.163532	-4.90072E-03	.212112	
-.149088	-.160763	-.110083	1.02991E-02	
4.64094E-03	3.41392E-03	2.00206E-02	2.42570E-02	8
-.141874	-.157421	-6.50384E-02	5.54310E-02	
-.15831	-.167433	-.131959	-3.06460E-02	
-.159524	-.185793	-6.28349E-03	.263199	
8.87919E-03	7.08545E-03	5.18709E-02	3.09237E-02	9
-.149962	-.174324	9.05890E-02	.308201	
-.176182	-.194868	-6.93433E-02	.220693	
-.140491	-.15365	-.119188	-6.42186E-02	
5.49101E-03	5.76422E-03	9.79328E-03	1.12214E-02	10
-.134829	-.146889	-.10013	-4.09180E-02	
-.152701	-.161842	-.130133	-7.60249E-02	
-.154632	-.161153	-.108596	-8.99673E-03	
6.82996E-03	3.70071E-03	1.50025E-02	9.01825E-03	11
-.147092	-.155601	-8.89108E-02	8.62174E-03	
-.168877	-.167563	-.128307	-1.82936E-02	
-.145957	-.136864	-6.34208E-02	1.88808E-02	
1.02837E-02	5.49176E-03	4.60243E-02	3.44376E-02	12
-.135482	-.126475	2.60160E-02	7.71452E-02	
-.172399	-.144548	-.120088	-3.01259E-02	
-.141	-.144249	1.53843E-02	.148906	
1.30280E-02	7.85791E-03	3.71066E-02	1.34354E-02	13
-.118262	-.129075	8.38056E-02	.171934	
-.161311	-.15508	-2.59032E-02	.130716	
-.148253	-.156693	-.11534	-7.08759E-02	
3.84120E-03	4.15537E-03	1.71654E-02	1.24241E-02	14
-.143439	-.15144	-8.61713E-02	-4.46888E-02	
-.153614	-.162752	-.14083	-8.59069E-02	
-.149923	-.151089	2.08763E-02	.147385	
1.82415E-02	7.01766E-03	3.66825E-02	2.70800E-02	15
-.121263	-.138437	7.50654E-02	.186237	
-.182183	-.161452	-5.18629E-02	.107311	
-.190545	-.196364	-9.33200E-02	-1.12592E-02	
9.53091E-03	5.40861E-03	3.34514E-02	3.01569E-02	16
-.176313	-.190317	-1.67717E-02	4.19083E-02	
-.204229	-.209301	-.145787	-4.88496E-02	
-.173691	-.178901	-.120154	-3.68742E-02	
8.42499E-03	4.88426E-03	2.63902E-02	3.24345E-02	17
-.156354	-.173804	-6.55602E-02	3.42071E-03	
-.184009	-.187197	-.156093	-8.85074E-02	
-.185105	-.202644	-8.25709E-02	2.27945E-02	
1.67704E-02	8.42548E-03	4.17638E-02	2.55632E-02	18
-.169007	-.187457	8.14433E-03	5.49109E-02	
-.223275	-.211772	-.136917	-1.88137E-02	
-.140934	-.143274	-.128737	-.135655	
2.63365E-02	1.09769E-02	1.75605E-02	2.69295E-02	19
-8.21274E-02	-.124655	-.106261	-8.25262E-02	
-.179443	-.155991	-.147874	-.168213	
-.182653	-.19375	-.112927	-9.39981E-03	
1.11176E-02	4.59523E-03	2.19121E-02	2.97364E-02	20
-.166007	-.187847	-7.71703E-02	2.82556E-02	
-.200576	-.20254	-.14944	-4.97598E-02	

HONEYWELL CP DATA, RUN NO. 19

				LOCATION NUMBER
.303663	.491152	.6536	.766071	
3.11778E-02	8.41368E-03	3.97562E-02	4.81428E-03	1
.379691	.502262	.719375	.774761	
.269199	.476625	.581956	.758392	
-.190262	-.105314	.479422	.645059	
1.13548E-02	1.05441E-02	7.88874E-02	1.06941E-02	2
-.171316	-9.32897E-02	.572054	.664149	
-.208146	-.125547	.296128	.631531	
-5.61275E-02	-6.27900E-02	-5.81441E-02	-7.34059E-02	3
2.86493E-02	1.57049E-02	1.91339E-02	1.46626E-02	
-6.48492E-03	-4.06915E-02	-3.06360E-02	-5.64589E-02	
-9.14967E-02	-9.46137E-02	-8.66665E-02	-9.69006E-02	
-7.46272E-02	-6.60879E-02	-4.67448E-02	-7.01682E-02	
2.48348E-02	1.79002E-02	4.70791E-02	2.03753E-02	4
-3.30511E-02	-4.80336E-02	1.04208E-02	-3.17847E-02	
-.103572	-.103761	-.119391	-9.78635E-02	
-.140596	-.186185	-7.86483F-02	.473772	
1.30116E-02	5.39942E-03	3.31459F-02	3.07823E-02	5
-.124101	-.179228	-2.47190E-02	.513937	
-.161776	-.193311	-.125308	.426193	
-.141031	-.157058	-8.98786F-02	5.82822E-02	
6.83905E-03	4.09365E-03	3.04797E-02	1.88446E-02	6
-.130138	-.149258	-4.41606E-02	7.83466E-02	
-.153686	-.161896	-.140161	1.70823E-02	
-.133061	-.138847	4.24814E-02	.255038	
1.58056E-02	5.75021E-03	2.32626E-02	2.08706E-02	7
-.109489	-.129398	8.37193E-02	.287415	
-.155014	-.148295	1.59756E-02	.224346	
-.13451	-.154398	-.101918	-6.30408E-03	
5.78322E-03	4.54497E-03	2.52471F-02	1.72999E-02	8
-.126999	-.148536	-5.30965E-02	1.72026E-02	
-.144025	-.162859	-.142818	-3.00997E-02	
-.14795	-.180889	3.91727F-02	.260539	
8.65686E-03	1.20412E-02	3.76872E-02	3.36523E-02	9
-.137625	-.161535	.121153	.296202	
-.163588	-.19656	-1.07114E-02	.209421	
-.1316	-.145395	-.118727	-4.98631E-02	
6.70520E-03	5.12855E-03	2.83688E-02	3.09807E-02	10
-.125429	-.134574	-7.20551E-02	-3.70234E-04	
-.14644	-.152989	-.158999	-9.31694E-02	
-.144412	-.154927	-.105685	-2.78609E-02	
2.01094E-02	7.37678E-03	1.84221F-02	2.28702E-02	11
-.117459	-.147212	-7.10890E-02	2.64705E-02	
-.186048	-.167673	-.143542	-5.20056E-02	
-.131225	-.134502	-5.44006F-02	-7.90490E-03	
1.40256E-02	1.01118E-02	3.29887F-02	1.29767E-02	12
-.112267	-.119168	1.24342E-03	8.53656E-03	
-.153565	-.14998	-.100795	-2.70906E-02	
-.133483	-.136632	2.05039E-02	.139298	
2.35810E-02	1.09850E-02	2.88794F-02	3.67840E-02	13
-9.78740E-02	-.120371	5.38927E-02	.198709	
-.160086	-.15335	-4.04172F-02	7.04027E-02	
-.140052	-.148837	-.107883	-3.67798E-02	
5.95076E-03	4.30362E-03	2.10211F-02	1.49153E-02	14
-.132795	-.14336	-7.38664E-02	-1.04806E-02	
-.150425	-.157804	-.138108	-5.97087E-02	
-.13166	-.137992	1.45024E-02	.200213	
1.85997E-02	6.82511E-03	4.02377E-02	3.31700E-02	15
-.102727	-.125908	9.24137E-02	.241437	
-.157308	-.147814	-3.20851E-02	.13588	
-.174504	-.181696	-.129945	-1.99050E-02	
1.44229E-02	8.56191E-03	2.48026E-02	2.00212E-02	16
-.153686	-.171645	-8.96854E-02	1.80452E-02	
-.207301	-.195959	-.162501	-4.77929E-02	
-.159434	-.174065	-.111928	-2.02902E-02	
1.00801E-02	1.06576E-02	2.97399E-02	2.33067E-02	17
-.146078	-.156239	-6.04626E-02	1.67212E-02	
-.175663	-.189218	-.149701	-6.42825E-02	
-.191084	-.193371	-4.43659E-02	3.52690E-02	
1.66033E-02	9.80785E-03	2.72789F-02	3.11008E-02	18
-.161414	-.1832	-2.01698F-03	8.92995E-02	
-.211527	-.211365	-8.06287F-02	-2.98589E-02	
-.128629	-.14797	-.136224	-.132817	
3.33863E-02	1.61327E-02	2.65760E-02	8.68216E-03	19
-6.98815E-02	-.127954	-9.54816E-02	-.119529	
-.169988	-.170321	-.183754	-.144203	
-.165097	-.182598	-6.29501E-02	7.22462E-03	
1.53498E-02	1.02801E-02	4.42607E-02	3.04490E-02	20
-.133278	-.167433	-1.09529E-02	3.71927E-02	
-.186169	-.198847	-.12724	-5.82644E-02	

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				LOCATION NUMBER
.456286	.503863	.742911	.795933	
2.89275E-02	2.92275E-03	2.96906E-02	5.70794E-03	1
.495495	.508641	.786274	.806898	
.413261	.498169	.698726	.78776	
9.16892E-02	.154873	.653648	.70092	
3.12961E-03	8.38880E-03	2.14284E-02	1.01476E-02	2
9.66401E-02	.167776	.690394	.713979	
8.69797E-02	.141416	.617941	.680277	
-.114682	-9.50350E-02	-8.06528E-02	-8.69828E-02	3
1.66040E-02	1.15812E-02	3.00397E-02	9.61377E-03	
-9.04099E-02	-7.81241E-02	-7.93399E-03	-6.84952E-02	
-.137142	-.117844	-.112146	-9.62988E-02	
-6.71645E-02	-7.78112E-02	-8.79706E-02	-9.45897E-02	
2.60747E-02	1.85890E-02	3.69253E-02	2.30522E-02	4
-2.76171E-02	-4.29784E-02	-3.73983E-02	-6.58472E-02	
-.11118	-.101354	-.132553	-.132889	
-.228011	-.275723	-.19182	.34939	
1.85218E-02	1.29386E-02	4.46967E-02	2.20393E-02	5
-.201263	-.260954	-.123859	.394056	
-.267558	-.295498	-.262124	.315941	
-.171642	-.183946	-.118172	.118644	
6.50659E-03	3.70127E-03	2.01078E-02	2.56191E-02	6
-.161173	-.178747	-8.20778E-02	.151767	
-.180614	-.18982	-.142576	7.46153E-02	
-.167222	-.183682	-9.37065E-02	4.46211E-02	
9.58418E-03	6.69810E-03	2.78684E-02	3.36149E-02	7
-.148976	-.174293	-4.25908E-02	8.12352E-02	
-.18158	-.195598	-.12567	-2.16743E-02	
-.1579	-.170731	-.123328	3.85188E-02	
7.46435E-03	4.59478E-03	2.13385E-02	1.85182E-02	8
-.142576	-.165146	-9.11344E-02	6.89583E-02	
-.164674	-.178867	-.161897	1.64805E-02	
-.164288	-.18119	-7.54966E-02	3.74114E-02	
9.78884E-03	9.91529E-03	3.15686E-02	1.86190E-02	9
-.153565	-.158887	-2.65303E-02	6.37827E-02	
-.187256	-.195357	-.123738	4.08316E-03	
-.150534	-.168504	-7.64385E-02	2.00552E-02	
7.90779E-03	5.45395E-03	3.95716E-02	2.94732E+02	10
-.138108	-.160572	-1.53001E-02	5.82461E-02	
-.167573	-.177182	-.13352	-3.32291E-02	
-.149218	-.179445	-.114863	3.01777E-02	
6.36869E-03	5.73832E-03	1.85121E-02	2.00972E-02	11
-.140403	-.168516	-8.93231E-02	6.34217E-02	
-.157671	-.188978	-.140765	7.13025E-04	
-.136055	-.126245	-5.57290E-02	1.17502E-02	
7.66938E-03	1.11813E-02	3.26592E-02	3.27788E-02	12
-.127361	-.110742	-3.26402E-04	6.06533E-02	
-.151512	-.142036	-.106108	-2.76924E-02	
-.142214	-.156179	-3.84851E-02	6.99212E-02	
8.58002E-03	8.38732E-03	4.64493E-02	2.72552E-02	13
-.127361	-.140833	6.19833E-02	.111566	
-.153927	-.170321	-8.14740E-02	2.92388E-02	
-.151778	-.159332	-8.00249E-02	3.53532E-02	
1.17244E-02	4.94155E-03	2.69815E-02	2.47182E-02	14
-.135572	-.152147	-3.59492E-02	7.66615E-02	
-.171557	-.167673	-.109972	-6.99015E-03	
-.152454	-.161944	-2.81967E-02	7.16304E-02	
3.20476E-02	6.44171E-03	3.38517E-02	3.70395E-02	15
-9.18589E-02	-.152147	3.01039E-02	.133472	
-.207422	-.170923	-6.43267E-02	2.27393E-02	
-.186229	-.199461	-.115008	-1.16361E-02	
9.40326E-03	7.59353E-03	2.92379E-02	2.65865E-02	16
-.176629	-.190422	-6.48097E-02	4.65710E-02	
-.205007	-.20968	-.159361	-3.78028E-02	
-.168792	-.175004	-6.55343E-02	8.44027E-03	
1.01785E-02	5.82103E-03	2.91069E-02	2.90023E-02	17
-.150425	-.168757	-2.90662E-02	5.57185E-02	
-.193029	-.184404	-.103089	-4.09323E-02	
-.193825	-.196332	-.102075	9.65333E-02	
1.56884E-02	6.38621E-03	4.38287E-02	3.25400E-02	18
-.17204	-.188376	-1.46963E-02	.148036	
-.221188	-.208837	-.161414	5.81257E-02	
-.141139	-.125643	-.109682	-.123525	
3.03895E-02	1.63408E-02	1.63685E-02	1.38075E-02	19
-9.87420E-02	-9.58174E-02	-8.41306E-02	-.104965	
-.181822	-.146369	-.140523	-.139268	
-.178368	-.182623	-.112194	-3.57567E-02	
1.15112E-02	8.56433E-03	3.85088E-02	1.84719E-02	20
-.159757	-.16647	-5.87720E-02	-6.50870E-03	
-.201022	-.193792	-.160327	-6.16345E-02	

HONEYWELL CP DATA, RUN NO. 21

				LOCATION NUMBER
.478262	.49718	.716986	.763811	
1.54443E-02	4.36331E-03	2.27591E-02	6.93371E-03	1
.511031	.50545	.750016	.770702	
.455198	.492837	.683225	.745737	
8.48492E-02	.170036	.652622	.676993	
1.61860E-03	7.98513E-03	6.96230E-03	1.84421E-02	2
8.70669E-02	.179345	.662875	.702699	
8.11966E-02	.157111	.639394	.649388	
-.102608	-9.14850E-02	-8.80890E-02	-9.79733E-02	
2.28486E-02	9.86549E-03	1.13268E-02	1.03266E-02	3
-7.33872E-02	-7.48547E-02	-7.57353E-02	-8.07059E-02	
-.15531	-.107491	-.111218	-.115033	
-9.00457E-02	-7.04078E-02	-7.28133E-02	-8.38135E-02	
2.61985E-02	1.58574E-02	3.11603E-02	1.57157E-02	4
-5.51241E-02	-4.65091E-02	-1.89894E-02	-6.61430E-02	
-.141482	-9.17580E-02	-.121393	-.107491	
-.225049	-.281622	-.228088	.330851	
1.58164E-02	7.09771E-03	2.29271E-02	2.66226E-02	5
-.200707	-.272234	-.186749	.369053	
-.258888	-.291607	-.260062	.289477	
-.174969	-.177887	-.115484	.133056	
6.85023E-03	4.13740E-03	2.09960E-02	1.31177E-02	6
-.165485	-.170684	-8.22578E-02	.15438	
-.184661	-.183036	-.144352	.113292	
-.179548	-.188198	-.115444	2.08441E-02	
8.64179E-03	2.91282E-03	3.62732E-02	1.91621E-02	7
-.16118	-.183556	-5.44719E-02	4.09981E-02	
-.189488	-.193828	-.171877	-7.11136E-03	
-.160985	-.175118	-.122267	2.21834E-02	
5.04598E-03	3.84981E-03	2.64478E-02	1.54590E-02	8
-.154397	-.171074	-7.50830E-02	4.97098E-02	
-.172138	-.184856	-.152049	1.99043E-03	
-.172164	-.18669	-7.29567E-02	4.43008E-02	
8.14905E-03	5.30664E-03	2.30960E-02	1.52620E-02	9
-.160267	-.177055	-3.60784E-02	6.49228E-02	
-.184792	-.194738	-.104174	2.65653E-02	
-.155675	-.168811	-.11551	5.56614E-03	
4.87960E-03	6.29450E-03	2.27141E-02	7.32717E-03	10
-.145004	-.161972	-8.35623E-02	1.60332E-02	
-.163789	-.177445	-.153092	-5.94113E-03	
-.162954	-.170046	-.109626	4.90301E-03	
7.58781E-03	8.80852E-03	1.70167E-02	2.45401E-02	11
-.150744	-.15339	-8.21274E-02	4.11281E-02	
-.175791	-.179395	-.142526	-3.62371E-02	
-.145109	-.142377	-6.86388E-02	3.28585E-02	
1.21872E-02	5.07827E-03	1.97386E-02	2.02930E-02	12
-.132742	-.135837	-2.98168E-02	6.63531E-02	
-.175921	-.15053	-.102086	-2.17039E-03	
-.142187	-.152155	-4.39054E-02	4.56530E-02	
1.33288E-02	8.19741E-03	2.03617E-02	2.57798E-02	13
-.127915	-.141038	-1.11766E-03	9.10580E-02	
-.166659	-.162232	-7.27350E-02	1.44729E-02	
-.152205	-.163142	-8.37189E-02	4.36897E-02	
7.22715E-03	6.19742E-03	1.50163E-02	1.19021E-02	14
-.139656	-.15274	-6.49079E-02	6.58330E-02	
-.159876	-.171724	-.104826	2.87757E-02	
-.15638	-.153754	-3.04038E-02	7.74703E-02	
1.21818E-02	9.26938E-03	4.17072E-02	2.99500E-02	15
-.141091	-.143638	5.23670E-02	.118493	
-.17553	-.171464	-8.25187E-02	3.42368E-02	
-.191262	-.19076	-.111531	-1.53940E-02	
7.80214E-03	5.80928E-03	2.20544E-02	2.55680E-02	16
-.178661	-.182646	-7.22131E-02	2.17543E-02	
-.201359	-.20111	-.141874	-4.88496E-02	
-.170821	-.179252	-8.51147E-02	1.43949E-02	
6.71168E-03	4.29929E-03	3.54951E-02	2.44694E-02	17
-.160919	-.170163	-1.66413E-02	6.37526E-02	
-.184401	-.184856	-.119958	-2.25844E-02	
-.195619	-.19782	-9.05415E-02	1.44989E-02	
1.52445E-02	5.17795E-03	3.14943E-02	2.31346E-02	18
-.179835	-.188367	-4.46881E-02	5.15302E-02	
-.227971	-.20475	-.147092	-2.85656E-02	
-.113018	-.11069	-.114323	-9.35004E-02	
2.40511E-02	1.54520E-02	2.70019E-02	1.93644E-02	19
-7.28654E-02	-8.38265E-02	-6.41252E-02	-6.38025E-02	
-.158571	-.138307	-.153353	-.119454	
-.182261	-.191644	-.104747	-2.22073E-02	
1.43739E-02	5.40248E-03	2.75252E-02	2.21624E-02	20
-.16979	-.182516	-4.54708E-02	2.39648E-02	
-.220666	-.200329	-.137699	-4.45587E-02	

HONEYWELL CP DATA, RUN NO. 22

				LOCATION NUMBER
.502982	.499586	.733775	.770234	
1.07281E-02	1.65776E-03	1.89940E-02	4.90962E-03	1
.516771	.501939	.759278	.777073	
.478549	.496998	.701358	.75952	
2.87555E-02	.171973	.671798	.69253	
2.38314E-03	7.29072E-03	1.88680E-02	1.50425E-02	2
3.16254E-02	.181686	.703445	.715701	
2.36679E-02	.160362	.64409	.675133	
-.140126	-.136643	-.125163	-.127008	
9.84639E-03	1.02938E-02	1.34238E-02	8.20044E-03	3
-.122437	-.125175	-.108348	-.113862	
-.157528	-.15443	-.146961	-.138827	
-8.72019E-02	-8.07579E-02	-5.79680E-02	-8.05628E-02	
1.60460E-02	9.97205E-03	2.68844E-02	8.31789E-03	4
-6.47775E-02	-5.87315E-02	-7.90108E-03	-7.12140E-02	
-.114218	-9.70891E-02	-9.29548E-02	-9.37084E-02	
-.141782	-3.54309E-02	.145417	.587301	
8.60122E-03	1.21925E-02	2.41385E-02	2.06798E-02	5
-.126741	-1.64732E-02	.187253	.617012	
-.152962	-5.22302E-02	.109243	.553429	
-.1078	-.11043	.115009	.356791	
6.12639E-03	3.60095E-03	2.66578E-02	2.05352E-02	6
-9.53029E-02	-.104761	.158162	.389467	
-.115392	-.115033	8.32838E-02	.332385	
-8.42016E-02	-9.59579E-02	-5.52546E-02	4.29615E-02	
6.34264E-03	2.20289E-03	1.46600E-02	1.67114E-02	7
-7.58658E-02	-9.12379E-02	-3.39912E-02	6.73933E-02	
-9.72596E-02	-9.91695E-02	-7.29959E-02	2.21444E-02	
-.131946	-.133106	-3.37445E-03	.172987	
2.51066E-03	3.81308E-03	1.97898E-02	1.64064E-02	8
-.126872	-.124785	3.16254E-02	.20093	
-.134568	-.138697	-2.61641E-02	.15074	
-.119567	-.116879	-6.75821E-02	1.31856E-02	
3.87686E-03	2.34927E-03	1.22666E-02	1.55252E-02	9
-.113435	-.114252	-4.61231E-02	4.97098E-02	
-.126089	-.121404	-8.30405E-02	-7.50144E-03	
-.128711	-.127489	-4.57317E-02	8.77943E-02	
5.17515E-03	1.37680E-03	1.62939E-02	1.32168E-02	10
-.119697	-.125435	-1.24668E-02	.108351	
-.13783	-.129335	-7.01259E-02	6.34926E-02	
-.136969	-.137631	-6.45688E-02	4.25194E-02	
6.41950E-03	2.99893E-03	1.43460E-02	1.89539E-02	11
-.12348	-.133366	-4.07746E-02	6.81735E-02	
-.146961	-.142598	-8.47364E-02	1.56431E-02	
-.144496	-.128243	-9.08818E-03	9.70912E-02	
7.84420E-03	5.54501E-03	2.65389E-02	3.53985E-02	12
-.134699	-.122444	5.65414E-02	.155941	
-.155832	-.139087	-3.92092E-02	6.36226E-02	
-.116097	-.120117	-9.71292E-02	-3.49238E-02	
5.68688E-03	3.46297E-03	1.40337E-02	4.55932E-03	13
-.105478	-.115163	-7.53440E-02	-2.89557E-02	
-.122958	-.125695	-.114218	-4.16982E-02	
-.133799	-.12563	-3.90005E-02	4.92417E-02	
6.62947E-03	4.92645E-03	1.89149E-02	2.29031E-02	14
-.119958	-.115943	-5.29207E-03	8.07860E-02	
-.141743	-.131806	-6.56906E-02	1.79836E-02	
-.110357	-.113043	-9.24460E-02	-4.35575E-02	
4.03536E-03	3.37736E-03	1.23586E-02	5.73996E-03	15
-.101565	-.105541	-6.64733E-02	-3.67572E-02	
-.11474	-.116853	-.106522	-5.32705E-02	
-.151723	-.157512	-5.23716E-02	7.48958E-02	
6.16226E-03	4.54679E-03	2.11021E-02	2.68841E-02	16
-.140047	-.15313	-2.47292E-02	9.82094E-02	
-.160137	-.169383	-.100521	1.40828E-02	
-.143987	-.13438	-5.90246E-02	2.60452E-02	
9.13354E-03	3.28668E-03	2.11507E-02	1.39425E-02	17
-.126872	-.129986	-2.32942E-02	5.62111E-02	
-.162354	-.139607	-8.68236E-02	7.71156E-03	
-.128672	-.131195	-4.24965E-02	5.59771E-02	
5.13017E-03	2.32403E-03	2.60574E-02	2.19424E-02	18
-.118914	-.128295	8.39101E-04	8.57269E-02	
-.135612	-.135317	-9.15198E-02	2.83856E-02	
-8.76715E-02	-8.47627E-02	-6.07596E-02	-6.92896E-02	
1.42658E-02	9.92697E-03	1.97470E-02	1.41055E-02	19
-6.81592E-02	-7.30344E-02	-2.48596E-02	-4.28684E-02	
-.10613	-.106451	-9.08676E-02	-8.82473E-02	
-.180983	-.170866	-4.37880E-02	7.45447E-02	
1.01300E-02	6.66248E-03	4.43885E-02	3.10848E-02	20
-.165877	-.160802	2.00153E-02	.120834	
-.195097	-.182126	-.122306	2.76055E-02	

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HONEYWELL CP DATA, RUN NO. 23

				LOCATION NUMBER
.502704	.513191	.753887	.787833	
1.56085E-02	3.70239E-03	2.22828E-02	5.84550E-03	
.52194	.519594	.790862	.795223	1
.481487	.50828	.721066	.779937	
3.36421E-02	.162973	.657585	.685898	
3.63993E-03	1.25170E-02	2.36439E-02	1.90340E-02	
4.09719E-02	.188478	.688583	.705914	2
2.74473E-02	.14611	.607677	.651511	
-.121975	-.116471	-.112556	-.11865	
1.19823E-02	6.22291E-03	2.40408E-02	5.86494E-03	
-9.85005E-02	-.108335	-8.01457E-02	-.113149	3
-.142938	-.12663	-.147527	-.13	
-7.41321E-02	-7.45614E-02	-6.32762E-02	-8.54783E-02	
2.73343E-02	1.64895E-02	2.71204E-02	9.12555E-03	
-2.64095E-02	-4.40617E-02	-2.86226E-03	-7.09024E-02	4
-.104901	-9.59377E-02	-8.96854E-02	-.10015	
-.127699	-2.21558E-02	9.08680E-02	.515911	
6.82936E-03	6.27571E-03	2.14130E-02	3.19167E-02	
-.119874	-1.24064E-02	.131055	.556545	5
-.138591	-3.25069E-02	5.75154E-02	.460737	
-9.59405E-02	-.101595	.119946	.357358	
7.18997E-03	2.09356E-03	3.31654E-02	1.49564E-02	
-8.58212E-02	-9.71413E-02	.164625	.377928	6
-.105504	-.104483	5.79984E-02	.330625	
-7.50015E-02	-9.10751E-02	-5.60067E-02	6.70807E-02	
8.75148E-03	4.60423E-03	1.89054E-02	1.80505E-02	
-5.52701E-02	-8.59477E-02	-1.86812E-02	9.76045E-02	7
-8.46136E-02	-9.94282E-02	-7.47117E-02	4.33212E-02	
-.120611	-.124849	-1.67612E-02	.163491	
7.28689E-03	2.31422E-03	2.99295E-02	2.18833E-02	
-.111784	-.121816	5.20814E-02	.197505	8
-.134848	-.128435	-4.63342E-02	.131065	
-.106289	-.109635	-5.72142E-02	2.52549E-02	
4.24869E-03	4.73147E-03	2.12597E-02	1.86538E-02	
-.100191	-.103882	-1.01076E-02	5.34316E-02	9
-.110938	-.119769	-8.79948E-02	-1.03603E-02	
-.11723	-.123416	-3.85455E-02	6.72733E-02	
6.74505E-03	7.03180E-03	2.07684E-02	1.02710E-02	
-.108523	-.115075	-8.41701E-03	8.06334E-02	10
-.130018	-.135416	-6.02211E-02	4.98208E-02	
-.126661	-.130867	-5.10074E-02	6.46133E-02	
1.05230E-02	3.80548E-03	2.53346E-02	1.92580E-02	
-.105625	-.121575	-1.17169E-03	9.57991E-02	11
-.144991	-.134815	-8.35268E-02	3.62198E-02	
-.132795	-.124488	-1.41650E-02	8.02723E-02	
2.77574E-02	7.77917E-03	1.77053E-02	1.39823E-02	
-.109972	-.110983	5.46985E-03	9.96507E-02	12
-.204041	-.137102	-5.09229E-02	5.19873E-02	
-.105323	-.114016	-7.98317E-02	-8.45856E-03	
6.60618E-03	2.96842E-03	1.51058E-02	2.03569E-02	
-9.83797E-02	-.11002	-5.93758E-02	1.58786E-02	13
-.116252	-.120251	-.106712	-4.93576E-02	
-.120575	-.118506	-2.65545E-02	7.14137E-02	
1.14123E-02	4.08606E-03	2.42963E-02	1.68810E-02	
-.103331	-.112066	1.88737E-02	9.88081E-02	14
-.137384	-.125667	-5.62361E-02	4.50063E-02	
-.100143	-.102509	-7.31660E-02	-3.29402E-02	
9.62350E-03	3.30489E-03	1.88716E-02	1.92715E-02	
-3.24400E-02	-9.70210E-02	-4.51266E-02	-1.40915E-02	15
-.115648	-.108455	-.102123	-6.71712E-02	
-.138301	-.153374	-4.66119E-02	5.38047E-02	
8.47495E-03	9.62361E-03	2.57475E-02	1.11520E-02	
-.123014	-.134935	-7.81323E-03	7.77448E-02	16
-.149701	-.16647	-8.18363E-02	3.88678E-02	
-.137758	-.129122	-3.88836E-02	5.26974E-02	
1.15275E-02	3.69063E-03	1.93392E-02	3.48246E-02	
-.118787	-.122899	-9.62456E-03	9.21882E-02	17
-.154048	-.134454	-8.15947E-02	-5.66616E-03	
-.123183	-.124018	-7.19738E-03	7.04749E-02	
1.30688E-02	3.26520E-03	2.74701E-02	2.52921E-02	
-.103572	-.117483	3.14322E-02	.104104	18
-.147165	-.128315	-5.18889E-02	3.69420E-02	
-8.88642E-02	-6.19956E-02	-6.10784E-02	-6.37649E-02	
2.32086E-02	2.04593E-02	3.96519E-02	1.43749E-02	
-4.87493E-02	-3.07015E-02	6.07363E-03	-4.17748E-02	19
-.118184	-.101234	-.10961	-8.83549E-02	
-.15505	-.160945	-5.83252E-02	8.10667E-02	
1.14017E-02	8.27530E-03	3.51221E-02	2.72268E-02	
-.133399	-.151304	6.43590E-03	.121436	20
-.172644	-.181034	-.101157	3.48959E-02	

HONEYWELL CP DATA, RUN NO. 24

				LOCATION NUMBER
.35594V	.458778	.676343	.752681	
2.31966E-02	3V72912E-03	3.89476E-02	7.61639E-03	1
.396254	.466761	.722812	.761378	
.32788Y	.455156	.617774	.733445	
-.246848	-.1V9879	.463181	.665456	
1.03814E-02	4.89188E-03	5.52189E-02	1.42699E-02	2
-.231469	-.174124	.588889	.684443	
-.262994	-.186766	.38188	.644711	
2.78698E-02	7.59812E-02	8.22958E-02	7.38020E-02	
3.18364E-02	2.67655E-02	3.42482E-02	1.67843E-02	3
7.39978E-02	.131888	.146711	9.49681E-02	
-2.21475E-02	3.38053E-02	4.95991E-02	4.31965E-02	
-5.83711E-02	-5.23524E-02	-4.76695E-02	-5.51938E-02	
2.58884E-02	1.36155E-02	1.88599E-02	1.57903E-02	4
1.52649E-03	-3.34978E-02	-2.85491E-02	-2.06151E-02	
-9.44980E-02	-7.76744E-02	-7.81920E-02	-7.22664E-02	
-.139225	-.176889	-.107845	.41765	
9N14056E-03	5.10793E-03	2.38149E-02	3.34341E-02	5
-.126627	-.172559	-6.86460E-02	.460019	
-.157548	-.189294	-.147644	.37586	
-.102482	-.104804	-4.14852E-02	.10631	
5.60791E-03	3.10738E-03	2.61897E-02	1.19084E-02	6
-9.42564E-02	-9.83930E-02	-6.86771E-03	.135904	
-.118683	-.109711	-7.98374E-02	9.79781E-02	
-3.70771E-02	-4.84514E-02	.146336	.338989	
1.54396E-02	1.03584E-02	4.61541E-02	1.19881E-02	7
-1.27262E-02	-3.77710E-02	.222564	.356355	
-5.53635E-02	-7.33500E-02	5.21356E-02	.318188	
-.105598	-.114671	-6.19825E-02	8.30366E-02	
4.93966E-03	4.47268E-03	2.09076E-02	2.68980E-02	8
-9.63098E-02	-.108868	-2.52879E-02	.113028	
-.112857	-.122352	-9.36525E-02	3.83805E-02	
-9.86530E-02	-.10339	8.54966E-02	.260553	
5.78501E-03	7.48124E-03	4.86739E-02	2.96197E-02	9
-9.09952E-02	-9.61055E-02	.155649	.298684	
-.10863	-.118138	5.99555E-03	.197669	
-.100718	-9.95488E-02	-4.87807E-02	3.35405E-02	
5.43913E-03	4.03946E-03	1.20107E-02	2.32667E-02	10
-9.17199E-02	-9.39383E-02	-3.21727E-02	7.77511E-02	
-.110504	-.105135	-6.61134E-02	2.01994E-03	
-.11659	-.119595	-7.20802E-02	2.91579E-02	
7.61191E-03	6.33709E-03	2.35572E-02	3.17769E-02	11
-.104523	-.109349	-2.10604E-02	9.83393E-02	
-.126023	-.132827	-.105369	-1.12240E-02	
-.131587	-.111372	-1.28711E-02	8.59382E-02	
9.7S606E-03	7N87225E-03	2.67501E-02	1.89897E-02	12
-.110562	-9.61055E-02	2.82201E-02	.112426	
-.147764	-.123316	-4.66669E-02	4.98960E-02	
-7.69358E-02	-8.50528E-02	1.77238E-02	.137168	
1.26944E-02	5.72776E-02	4.35214E-02	2.29764E-02	13
-6.11612E-02	-7.22664E-02	8.74050E-02	.192973	
-9.44980E-02	-9.14099E-02	-6.09196E-02	.108573	
-.111686	-.10286	-4.97711E-02	3.02656E-02	
1.13997E-02	3.78965E-03	2.22231E-02	1.53582E-02	14
-9.76384E-02	-9.51422E-02	4.30455E-03	5.24672E-02	
-.135444	-.106339	-7.92790E-02	6.59511E-03	
-6.36856E-02	-7.52403E-02	2.88482E-02	.176587	
5.56457E-03	4.48596E-03	1.97030E-02	3.86936E-02	15
-5.51219E-02	-6.76912E-02	5.61215E-02	.238123	
-7.26358E-02	-8N23799E-02	1.28492E-03	.12266	
-.131917	-.147347	-5.58615E-02	3.91150E-02	
6.19408E-03	1.04079E-02	1.73689E-02	2.57120E-02	16
-.119742	-.134392	-1.82823E-02	8.18446E-02	
-.148517	-.1669	-8.61245E-02	-1.47164E-03	
-.124791	-.123887	-5.61969E-02	-1.47637E-02	
8.98351E-03	6.11862E-03	2.58167E-02	1.93444E-02	17
-.109475	-.115249	-2.03357E-02	1.56251E-02	
-.135927	-.131864	-9.65514E-02	-3.90362E-02	
-.119887	-.114707	-1.08782E-02	8.49389E-02	
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HONEYWELL CP DATA. RUN NO. 25

				LOCATION NUMBER
.382987	.484633	.647593	.761504	
4.18538E-02	3.29046E-03	2.61280E-02	7.51133E-03	1
.429882	.489991	.689544	.773405	
.298747	.479716	.611123	.748562	
-.256224	-.167192	.534243	.654252	
3.54243E-03	8.98967E-03	2.72555E-02	4.92309E-03	2
-.251761	-.146811	.57498	.6648	
-.262852	-.181668	.494863	.647761	
1.33414E-02	2.91424E-02	4.57012E-02	3.00789E-02	
2.51882E-02	2.12114E-02	1.97775E-02	1.59818E-02	3
5.47436E-02	6.81881E-02	7.88830E-02	6.19450E-02	
-2.35462E-02	-3.60815E-03	1.92523E-02	1.63318E-02	
-7.11073E-02	-5.80667E-02	-5.15870E-02	-6.39977E-02	
1.34759E-02	1.12283E-02	1.42823E-02	1.60092E-02	4
-5.39487E-02	-4.11972E-02	-3.15057E-02	-4.69201E-02	
-9.13974E-02	-8.37287E-02	-7.56089E-02	-9.45241E-02	
-.143799	-.185362	-.124866	.422683	
5.01347E-03	6.47631E-03	1.30356E-02	1.53799E-02	5
-.136675	-.174124	-.106533	.440306	
-.150637	-.192724	-.144504	.385809	
-.104159	-.110847	-4.74768E-02	9.54109E-02	
4.11760E-03	1.74710E-03	1.28936E-02	2.20156E-02	6
-9.81825E-02	-.108181	-1.83269E-02	.118394	
-.111753	-.113254	-6.63446E-02	6.14247E-02	
-4.49585E-02	-5.97966E-02	.154485	.333431	
1.15811E-02	7.52492E-03	4.60865E-02	2.50455E-02	7
-2.41986E-02	-5.30331E-02	.224633	.360316	
-5.96900E-02	-7.42339E-02	8.'1034E-02	.29034	
-.115445	-.119926	-6.46092E-02	8.58511E-02	
3.18922E-03	2.42256E-03	1.74007E-02	1.78373E-02	8
-.110056	-.115855	-3.93346E-02	.112671	
-.121147	-.124309	-9.70082E-02	5.55718E-02	
-.100257	-.107804	2.86079E-02	.26131	
8.52595E-03	6.04478E-03	2.99058E-02	2.18749E-02	9
-9.25717E-02	-9.77758E-02	7.71867E-02	.300876	
-.119321	-.116375	-3.54201E-02	.236363	
-.106285	-.10372	-6.07600E-02	1.38467E-02	
4.24650E-03	2.60253E-03	1.34109E-02	1.38631E-02	10
-9.72691E-02	-9.95967E-02	-3.21581E-02	3.38508E-02	
-.110839	-.10675	-7.76967E-02	-7.51013E-03	
-.130334	-.12535	-8.38816E-02	3.03821E-03	
7.67970E-03	5.88748E-03	1.11624E-02	1.17375E-02	11
-.1218	-.116765	-6.81714E-02	1.60318E-02	
-.140068	-.133804	-.10301	-2.02566E-02	
-.134561	-.122683	-3.00834E-02	4.74817E-02	
1.29515E-02	6.58892E-03	1.97685E-02	1.58177E-02	12
-.101314	-.111693	-2.92987E-03	7.31306E-02	
-.149201	-.136015	-5.82547E-02	1.70723E-02	
-8.82136E-02	-9.19619E-02	4.85997E-03	.135367	
7.67256E-03	8.99427E-03	2.50309E-02	1.57232E-02	13
-7.06506E-02	-7.67051E-02	4.16953E-02	.162226	
-9.60948E-02	-.1061	-4.01175E-02	.104737	
-.114649	-.109833	-4.49063E-02	2.08873E-03	
5.66664E-03	3.93146E-03	1.39553E-02	7.37889E-03	14
-.102227	-.104929	-2.71997E-02	1.88932E-02	
-.1218	-.117416	-6.55617E-02	-9.42059E-03	
-7.55828E-02	-7.37787E-02	2.21751E-02	.175844	
1.14320E-02	4.42220E-03	3.05199E-02	2.09715E-02	15
-5.31658E-02	-6.89012E-02	7.49685E-02	.202936	
-8.93096E-02	-8.33385E-02	-1.78049E-02	.128799	
-.154629	-.155525	-5.28919E-02	5.83031E-02	
6.83693E-03	4.62172E-03	3.01239E-02	3.10282E-02	16
-.145548	-.149932	-5.53953E-03	.103956	
-.168252	-.162939	-8.36989E-02	1.19997E-02	
-.140094	-.129304	-7.37300E-02	-5.75424E-03	
9.69367E-03	4.97327E-03	1.23750E-02	2.37193E-02	17
-.128976	-.121968	-4.69027E-02	3.11194E-02	
-.162511	-.140567	-8.57866E-02	-3.72952E-02	
-.125623	-.121331	4.72949E-03	4.39569E-02	
9.35649E-03	6.10965E-03	4.14020E-02	1.69781E-02	18
-.109665	-.110522	.7.27503E-02	7.39110E-02	
-.136805	-.129122	-5.14696E-02	2.64370E-02	
-.113788	-8.63560E-02	-5.67802E-02	-7.08131E-02	
1.44346E-02	1.91040E-02	1.13757E-02	1.44785E-02	19
-9.15279E-02	-5.47240E-02	-3.76384E-02	-5.53743E-02	
-.139807	-.112213	-7.09115E-02	-9.98568E-02	
-.166595	-.161118	-6.15037E-02	4.90165E-02	
1.01763E-02	8.83667E-03	2.38755E-02	2.94607E-02	20
-.146853	-.142779	-2.39376E-02	8.84784E-02	
-.185606	-.174775	-9.80520E-02	7.70757E-03	

HONEYWELL CP DATA, RUN NO. 26

				LOCATION NUMBER
.109938	.339232	.505967	.671368	
4.31953E-02	1.68362E-02	1.40147E-02	1.22173E-02	1
.165132	.370851	.527614	.691333	
3.98686E-02	.306339	.481815	.649972	
-.360714	-.369379	-.378969	5.67684E-02	
5.61142E-03	3.96578E-03	1.03463E-02	2.58116E-02	2
-.34884	-.36298	-.365542	8.28856E-02	
-.369065	-.374556	-.399207	1.68122E-02	
-.333639	-.327147	-.339263	-.330841	
1.47743E-02	6.53167E-03	1.17995E-02	1.52941E-02	3
-.316742	-.316676	-.315437	-.300548	
-.3568	-.339438	-.352755	-.346461	
-.190669	-.186689	-.193735	-.197406	
2.82743E-02	8.13456E-03	2.61051E-02	1.52849E-02	4
-.142025	-.174645	-.163685	-.177116	
-.225664	-.198056	-.248238	-.226931	
-.362646	-.369613	-.376269	-.357309	
7.14536E-03	4.27515E-03	8.78523E-03	7.36892E-03	5
-.351972	-.361549	-.366195	-.34347	
-.371284	-.375856	-.39464	-.366362	
-.36857	-.361627	-.382505	-.38738	
1.70308E-02	1.02094E-02	2.03961E-02	1.28873E-02	6
-.346883	-.348282	-.358366	-.368052	
-.394901	-.375856	-.423738	-.418258	
-.153925	-.177909	.17257	.34753	
1.68355E-02	1.65291E-02	3.38395E-02	3.03147E-02	7
-.124671	-.149932	.222806	.38893	
-.172949	-.208982	.128336	.306989	
-.256237	-.258901	-.284839	-.297336	
1.40942E-02	8.20347E-03	1.88329E-02	1.09767E-02	8
-.229448	-.246181	-.252414	-.281429	
-.275379	-.270633	-.311	-.313815	
-.121252	-.157177	.109442	.437666	
2.01229E-02	7.25173E-03	4.90656E-02	3.07318E-02	9
-9.19193E-02	-.148371	.204016	.504559	
-.15155	-.170092	3.90857E-02	.392572	
-.233611	-.231692	-.209458	-.216344	
1.66819E-02	1.83841E-02	2.17997E-02	3.15099E-02	10
-.204004	-.206251	-.18939	-.175295	
-.258285	-.259448	-.262983	-.26348	
-.154747	-.166151	-.158348	-.138382	
1.29190E-02	4.54633E-03	1.59686E-02	1.33108E-02	11
-.134718	-.161898	-.137197	-.115725	
-.174385	-.174124	-.193044	-.151753	
-.162145	-.143377	-.110578	-5.91592E-02	
1.86156E-02	1.45152E-02	1.80013E-02	2.53219E-02	12
-.133543	-.121968	-7.65223E-02	-3.46939E-02	
-.188607	-.169442	-.13276	-.10571	
-5.75892E-02	-7.07611E-02	.154185	.433439	
1.37164E-02	9.18613E-03	3.83322E-02	3.54724E-02	13
-3.09837E-02	-5.84959E-02	.240552	.488431	
-7.32602E-02	-8.75006E-02	.106937	.362527	
-.159888	-.1366	-9.98527E-02	-5.68571E-02	
1.17598E-02	1.81196E-02	1.28803E-02	2.71017E-02	14
-.14607	-9.68653E-02	-7.45651E-02	-1.34932E-02	
-.174907	-.164109	-.113058	-.107141	
-2.79174E-02	-3.16633E-02	.157512	.460128	
1.28988E-02	1.20459E-02	3.06126E-02	3.05962E-02	15
-7.23581E-03	-1.58343E-02	.211454	.520427	
-4.84684E-02	-4.90011E-02	.110851	.412732	
-.169948	-.170899	-.141385	-7.67442E-02	
1.07088E-02	6.17166E-03	1.89478E-02	3.25059E-02	16
-.159118	-.161508	-.112536	-3.06618E-02	
-.194609	-.184009	-.169687	-.111173	
-.183884	-.176544	-5.22655E-02	7.38460E-02	
1.42478E-02	1.56272E-02	5.24481E-02	2.71077E-02	17
-.164076	-.153964	5.97020E-02	.116573	
-.213921	-.200788	-.118668	3.76227E-02	
-.144191	-8.75656E-02	.172518	.386862	
2.14310E-02	2.00352E-02	2.82057E-02	5.88955E-02	18
-.104968	-5.14724E-02	.218761	.488431	
-.172036	-.114814	.138383	.311281	
-.149462	-.139904	-.12317	-.118521	
1.89445E-02	1.35910E-02	2.91137E-02	1.62317E-02	19
-.109665	-.116505	-8.16111E-02	-9.11424E-02	
-.17308	-.159687	-.169426	-.140177	
-.204357	-.185609	-.116907	-5.70262E-02	
1.16783E-02	1.26539E-02	4.07228E-02	2.66137E-02	20
-.187433	-.16606	-6.19082E-02	-2.05167E-02	
-.230492	-.202479	-.187955	-8.86712E-02	

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Value 1	Value 2	Value 3	Value 4	LOCATION NUMBER
9.19586E-02	.309267	.478122	.643122	
3.05560E-02	3.92595E-02	9.62167E-03	2.03977E-02	1
.134632	.376702	.501216	.674329	
4.36806E-02	.259674	.465464	.605702	
-.345925	-.357733	-.377571	6.99010E-02	
7.25002E-03	3.64380E-03	1.21452E-02	2.61258E-02	2
-.333774	-.352435	-.360347	.111102	
-.355032	-.364837	-.396703	3.22401E-02	
-.323399	-.321228	-.330924	-.326538	
9.68769E-03	7.61856E-03	1.32365E-02	7.95449E-03	3
-.306356	-.308129	-.316864	-.311981	
-.34392	-.329078	-.365541	-.340275	
-.187539	-.196422	-.143489	-.188163	
3.34159E-02	2.01463E-02	5.09587E-02	9.88184E-03	4
-.119138	-.161362	-3.45884F-02	-.170994	
-.230623	-.222886	-.211298	-.20001	
-.356929	-.358552	-.380059	-.350666	
1.02385E-02	3.56108E-03	1.04514E-02	6.13972E-03	5
-.342471	-.352315	-.365541	-.342442	
-.378706	-.364235	-.393442	-.360382	
-.360552	-.356108	-.397609	-.381632	
2.23081E-02	7.19845E-03	2.53379E-02	1.49254E-02	6
-.331479	-.346054	-.363487	-.352074	
-.398515	-.366522	-.447071	-.396261	
-.111227	-.161554	.166205	.377991	
1.75574E-02	1.63830E-02	4.33873E-02	2.38676E-02	7
-8.61638E-02	-.127409	.247929	.411618	
-.130613	-.181107	.109509	.334803	
-.260675	-.279558	-.291753	-.301916	
1.65931E-02	1.36684E-02	2.65469E-02	2.24434E-02	8
-.239682	-.26346	-.245963	-.274898	
-.293673	-.305359	-.335344	-.343165	
-.119996	-.145878	.150672	.527912	
1.68928E-02	6.28693E-03	4.30913E-02	3.01564E-02	9
-9.51019E-02	-.135837	.245996	.565127	
-.138102	-.154499	9.41690E-02	.468687	
-.237895	-.244534	-.214873	-.205946	
3.52106E-02	1.66292E-02	1.88021E-02	1.25501E-02	10
-.211177	-.210003	-.181101	-.190258	
-.33003	-.270925	-.24089	-.223488	
-.157137	-.177857	-.164892	-.128637	
1.71021E-02	2.47633E-02	3.11710E-02	2.96879E-02	11
-.123366	-.146553	-8.93042E-02	-8.68347E-02	
-.190618	-.208799	-.197286	-.177375	
-.147958	-.135596	-9.92690E-02	-.102162	
3.86396E-02	5.95702E-03	2.88163E-02	2.91333E-02	12
-8.66469E-02	-.128734	-6.16443E-02	-5.24005E-02	
-.203205	-.148118	-.141121	-.149563	
-6.31662E-02	-7.43252E-02	.210365	.442537	
1.69467E-02	1.37376E-02	4.70335E-02	2.50025E-02	13
-3.86951E-02	-5.75777E-02	.275106	.489396	
-8.56806E-02	-.102607	.137773	.409451	
-.144177	-.141628	-6.75025E-02	-5.12808E-02	
1.29213E-02	2.17151E-02	3.76415E-02	3.44110E-02	14
-.124815	-.115731	3.57984E-03	5.63192E-03	
-.166124	-.184358	-.112857	-.106821	
-2.46477E-02	-3.74951E-02	.153692	.401252	
1.45817E-02	7.79335E-03	4.04578E-02	6.30479E-02	15
-2.58022E-02	-2.14579E-02	.230777	.469651	
-4.17147E-02	-5.01129E-02	.100933	.29471	
-.183348	-.177435	-.123692	-9.02661E-02	
1.19376E-02	8.28429E-03	4.59592E-02	1.71445E-02	16
-.167332	-.168827	-3.92990E-02	-6.15509E-02	
-.20091	-.193147	-.210935	-.111517	
-.170931	-.161855	-4.43237E-02	6.11239E-02	
2.34990E-02	9.34299E-03	6.81407E-02	4.13112E-02	17
-.142812	-.146071	6.55428E-02	.109536	
-.215163	-.176051	-.13472	-4.84282E-03	
-.132678	-8.97845E-02	.270105	.418361	
2.77244E-02	2.56033E-02	7.17187E-02	5.12657E-02	18
-8.29026E-02	-5.56513E-02	.40797	.47856	
-.184725	-.134754	.199615	.342027	
-.148876	-.140316	-.134043	-.138077	
4.10148E-02	3.01380E-02	4.36660E-02	1.14842E-02	19
-8.71301E-02	-9.85134E-02	-5.30686E-02	-.124399	
-.207553	-.17894	-.183155	-.161964	
-.206345	-.206837	-9.69620E-02	-5.92725E-04	
2.37592E-02	1.11466E-02	4.30238E-02	3.68975E-02	20
-.161655	-.193268	-1.99733E-02	6.67947E-02	
-.245238	-.224812	-.167211	-7.46744E-02	

HONEYWELL CP DATA, RUN NO. 28

Col 1	Col 2	Col 3	Col 4	LOCATION NUMBER
.393898	.4726	.680643	.739068	
3.26094E-02	4.21667E-03	2.75864E-02	5.49515E-03	1
.439253	.479403	.718388	.74705	
.341659	.464835	.625746	.731398	
-2.72205E-02	-3.15474E-02	2.50072E-02	.648335	
3.85781E-03	5.04813E-03	8.97391E-03	9.16340E-03	
-2.29930E-02	-2.15783E-02	3.80037E-02	.660122	2
-3.57962E-02	-4.03606E-02	1.39674E-02	.633273	
-.182949	-.184707	-.182937	-.188608	
5.55806E-03	4.81686E-03	5.54986E-03	3.69007E-03	3
-.169868	-.177616	-.173275	-.183275	
-.19016	-.190498	-.191851	-.193749	
-.145916	-.151658	-.126132	-.127843	
1.68580E-02	9.81734E-03	2.29483E-02	1.28640E-02	4
-.119863	-.13668	-8.43520E-02	-.106821	
-.164674	-.166057	-.15175	-.142339	
-.204896	-.155667	-.125552	.159623	
7.35262E-03	5.27652E-03	2.23982E-02	3.07433E-02	5
-.192938	-.14872	-8.50767E-02	.211153	
-.219149	-.165937	-.15634	.10171	
-.166534	-.169489	-.118172	-5.80601E-03	
3.28479E-03	4.66895E-03	1.07541E-02	1.85440E-02	6
-.161776	-.165335	-.101262	3.35645E-02	
-.171801	-.179422	-.134116	-3.18122E-02	
-.163684	-.168044	-.139152	-4.60194E-02	
7.15925E-03	6.79594E-03	1.12234E-02	1.40572E-02	7
-.15018	-.158111	-.114669	-2.83207E-02	
-.174216	-.177977	-.155857	-6.66076E-02	
-.177248	-.183491	-.148658	-5.69637E-02	
4.13640E-03	5.58406E-03	1.55522E-02	1.41468E-02	8
-.171922	-.173522	-.123487	-2.72371E-02	
-.18702	-.191462	-.174941	-7.97311E-02	
-.157753	-.17351	-8.50043E-02	2.16330E-02	
9.46096E-03	5.84196E-03	2.66448E-02	1.11262E-02	9
-.144986	-.163649	-2.51671E-02	3.98253E-02	
-.168781	-.182913	-.122279	6.23391E-03	
-.173516	-.179891	-.140384	-4.84033E-02	
1.09969E-02	6.10863E-03	1.95270E-02	1.95578E-02	10
-.157427	-.1728	-.100175	-9.53839E-03	
-.192938	-.190739	-.165158	-6.94972E-02	
-.154214	-.155908	-9.79525E-02	-5.00648E-02	
8.67620E-03	4.41892E-03	2.46894E-02	1.74724E-02	11
-.141967	-.147998	-6.93746E-02	-1.78459E-02	
-.167573	-.161001	-.133874	-7.51560E-02	
-.156582	-.134874	-6.82271E-02	-6.69697E-03	
1.67288E-02	5.04885E-03	3.25478E-02	1.73521E-02	12
-.127835	-.12777	2.00963E-03	1.57455E-02	
-.178323	-.143061	-.118293	-3.75914E-02	
-.107048	-.11673	-6.51350E-02	3.11204E-02	
1.79767E-02	1.13070E-02	2.01039E-02	2.24699E-02	13
-7.49307E-02	-8.75571E-02	-4.03861E-02	6.14972E-02	
-.130975	-.125242	-.104523	-9.77919E-03	
-.148272	-.139245	-8.94492E-02	-1.87489E-02	
8.90130E-03	5.00645E-03	3.13728E-02	1.34278E-02	14
-.131821	-.132346	-3.12064E-02	1.53834E-03	
-.160326	-.147275	-.124574	-3.55446E-02	
-9.78438E-02	-.101283	-5.62935E-02	5.24793E-02	
1.08305E-02	1.13787E-02	3.53439E-02	3.44959E-02	15
-7.84335E-02	-7.64804E-02	7.08262E-03	9.30418E-02	
-.10863	-.115249	-9.65514E-02	-2.68490E-05	
-.153976	-.164492	-8.67798E-02	-3.87962E-03	
1.59586E-02	6.83663E-03	4.41974E-02	2.13839E-02	16
-.137739	-.152091	1.42090E-02	2.89894E-02	
-.19318	-.171716	-.126869	-3.24142E-02	
-.143585	-.140292	-6.65482E-02	7.55830E-03	
1.13645E-02	6.30665E-03	2.58253E-02	1.33256E-02	17
-.127472	-.13054	-2.22683E-02	2.40530E-02	
-.16866	-.149442	-.106818	-1.89295E-02	
-.131205	-.137113	-6.89519E-02	9.20778E-03	
1.10980E-02	7.99678E-03	3.35833E-02	3.67968E-02	
-.113824	-.12151	-9.70656E-03	7.29351E-02	18
-.144382	-.152573	-.107784	-3.50630E-02	
-9.74451E-02	-.101307	-8.36636E-02	-9.20360E-02	
4.06270E-02	1.62324E-02	4.64929E-02	1.59398E-02	
-1.44172E-02	-7.46744E-02	-2.26306E-02	-6.78116E-02	19
-.140276	-.12175	-.160809	-.118379	
-.168697	-.161711	-8.77944E-02	-1.27900E-03	
9.99139E-03	9.23270E-03	2.56442E-02	2.10131E-02	
-.145798	-.143663	-5.42764E-02	3.13974E-02	20
-.130739	-.175208	-.133995	-2.94043E-02	

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				LOCATION NUMBER
.452613	.49591	.684337	.751463	
1.94717E-02	3.78202E-03	1.90271E-02	6.14376E-03	1
.48325	.502608	.709377	.758837	
.415007	.490382	.65066	.742189	
-2.96267E-02	-4.47740E-02	1.47375E-02	.662251	
6.62375E-03	2.07992E-03	4.96999E-03	1.37595E-02	2
-2.18499E-02	-4.18475E-02	2.00352E-02	.680928	
-4.01175E-02	-4.92612E-02	4.63815E-03	.638526	
-.200599	-.198213	-.194244	-.197874	
3.88885E-03	3.94276E-03	5.32377E-03	3.64607E-03	3
-.194609	-.192073	-.185998	-.190643	
-.207266	-.20417	-.20296	-.202349	
-.171149	-.16381	-.149645	-.15944	
1.23741E-02	8.61084E-03	1.20515E-02	5.27652E-03	4
-.145026	-.152403	-.134326	-.148371	
-.194349	-.176596	-.175037	-.168271	
-.221359	-.168011	-.122439	.14732	
2.36551E-03	4.15387E-03	1.02496E-02	1.14725E-02	5
-.21901	-.162288	-.107186	.175622	
-.2271	-.175555	-.140329	.134131	
-.174659	-.176726	-.136166	-2.56933E-02	
3.72635E-03	3.52721E-03	6.50150E-03	1.06505E-02	6
-.169818	-.170222	-.12715	-8.16046E-03	
-.182344	-.181798	-.14881	-4.31481E-02	
-.175911	-.175191	-.137367	-4.32782E-02	
5.01306E-03	4.42547E-03	2.35781E-02	8.75945E-03	7
-.169557	-.16476	-8.47428E-02	-2.20775E-02	
-.18404	-.181148	-.166947	-5.27730E-02	
-.188268	-.192932	-.156208	-4.62957E-02	
5.73976E-03	2.63218E-03	1.42912E-02	2.11019E-02	8
-.180778	-.188822	-.133152	-2.12971E-02	
-.201786	-.196626	-.179082	-7.69653E-02	
-.178912	-.17882	-.109182	-1.16292E-03	
6.81874E-03	5.15632E-03	1.91636E-02	1.38278E-02	9
-.168121	-.170222	-7.92625E-02	2.34455E-02	
-.188346	-.189342	-.136936	-2.12971E-02	
-.186076	-.188796	-.162367	-8.20378E-02	
3.91959E-03	6.99906E-03	1.76133E-02	2.09525E-02	10
-.179473	-.177246	-.127933	-5.68051E-02	
-.190825	-.200138	-.181953	-.113384	
-.165473	-.171211	-.120286	-5.51142E-02	
4.75067E-03	3.91643E-03	9.98310E-03	1.81226E-02	11
-.156378	-.167101	-.106142	-2.15572E-02	
-.173732	-.179327	-.136544	-8.29483E-02	
-.172806	-.15451	-.108047	-5.37355E-02	
9.52331E-03	3.98868E-03	1.35597E-02	1.70094E-02	12
-.15977	-.149152	-8.20026E-02	-3.18324E-02	
-.185998	-.162418	-.124018	-8.02169E-02	
-.121369	-.125259	-5.47055E-02	4.89905E-02	
1.27326E-02	9.44564E-03	2.36081E-02	2.24032E-02	13
-9.98788E-02	-.10688	-1.45429E-02	8.34058E-02	
-.137849	-.134324	-8.63085E-02	1.47311E-02	
-.163737	-.150296	-9.76214E-02	-2.26368E-02	
7.14565E-03	4.51344E-03	1.80605E-02	1.70978E-02	14
-.153899	-.143559	-6.22997E-02	-7.46708E-04	
-.178952	-.158256	-.122713	-5.64149E-02	
-.117664	-.111381	-5.99640E-02	3.18998E-02	
7.23201E-03	4.65207E-03	1.24160E-02	2.56998E-02	15
-.104315	-.10519	-4.22053E-02	6.89685E-02	
-.127541	-.118716	-7.91320E-02	-1.19324E-02	
-.167012	-.161976	-.101797	-1.31940E-02	
1.87802E-02	2.89858E-03	3.05483E-02	1.95721E-02	16
-.144243	-.156175	-4.71636E-02	1.05690E-02	
-.214704	-.16645	-.136805	-4.19776E-02	
-.159653	-.144222	-8.04368E-02	-1.39744E-02	
1.11702E-02	4.03407E-03	1.40731E-02	9.19025E-03	17
-.142286	-.136535	-5.85156E-02	-3.86829E-03	
-.181953	-.150192	-9.54424E-02	-3.09220E-02	
-.151119	-.141491	-7.52305E-02	-3.19194E-03	
9.37129E-03	5.95215E-03	2.40352E-02	2.83870E-02	18
-.133543	-.133674	-3.63335E-02	5.14097E-02	
-.167599	-.152143	-.102488	-3.28730E-02	
-.101066	-8.70584E-02	-6.71928E-02	-.10757	
3.69262E-02	2.40901E-02	4.35852E-02	1.02483E-02	19
-2.00231E-02	-4.21076E-02	4.63815E-03	-8.68503E-02	
-.139024	-.121448	-.136414	-.119237	
-.180295	-.177662	-.109469	-2.11240E-03	
1.46372E-02	5.56401E-03	2.75888E-02	1.67455E-02	20
-.148679	-.169312	-4.93818E-02	3.07292E-02	
-.195131	-.1844	-.14333	-2.70200E-02	

HONEYWELL CP DATA. RUN NO. 30

				LOCATION NUMBER
.503357	.509619	.739623	.773743	**1**
9.16340E-03	3.79949E-03	3.13546E-02	3.71132E-03	
.513783	.514184	.774619	.779128	
.492384	.503778	.671798	.768072	
.198758	.519699	.66042	.701153	**2**
1.90657E-02	1.54893E-02	1.72087E-02	8.27880E-03	
.241726	.54696	.680671	.715265	
.175701	.495584	.626129	.687431	
-.154121	-.122722	-.114689	-.105827	**3**
6.83027E-03	1.44614E-02	1.66106E-02	1.03808E-02	
-.145287	-.103889	-9.06145E-02	-8.93215E-02	
-.167599	-.14577	-.145287	-.12509	
-9.50770E-02	-5.85219E-02	-4.98385E-02	-6.96295E-02	**4**
1.20070E-02	1.29505E-02	2.65481E-02	1.65786E-02	
-7.23469E-02	-3.96364E-02	-1.04979E-02	-4.08070E-02	
-.110187	-8.29483E-02	-.10562	-8.78908E-02	
-.161415	1.31703E-02	-2.07669E-02	.563466	**5**
8.42548E-03	9.82959E-03	4.62201E-02	2.60785E-02	
-.149071	3.16397E-02	8.99741E-02	.604059	
-.175037	-6.16642E-04	-6.90848E-02	.534084	
-6.54182E-02	-6.83809E-02	9.78291E-02	.362839	**6**
7.47861E-03	5.96561E-03	1.72251E-02	1.53863E-02	
-5.43402E-02	-6.09672E-02	.125205	.393222	
-7.78272E-02	-7.90463E-02	7.18369E-02	.342757	
-6.59532E-02	-8.58748E-02	-6.37219E-02	4.08093E-02	**7**
4.92781E-03	3.04397E-03	6.28175E-03	1.35216E-02	
-5.68194E-02	-8.21679E-02	-5.48621E-02	6.36358E-02	
-7.28688E-02	-9.07522E-02	-7.45651E-02	1.99337E-02	
-.142573	-.144886	-9.49316E-03	.142625	**8**
3.03529E-03	2.67816E-03	2.55774E-02	1.75308E-02	
-.137197	-.141088	3.51712E-02	.17107	
-.14881	-.149022	-3.30715E-02	.121385	
-.125258	-.106633	-4.76856E-02	1.75145E-02	**9**
5.25097E-03	2.40800E-03	1.33805E-02	1.72050E-02	
-.115798	-.102328	-2.45900E-02	5.10195E-02	
-.133543	-.110262	-7.10420E-02	-2.26444E-04	
-.134679	-.132816	-8.45601E-02	-2.71070E-03	**10**
3.08801E-03	2.50074E-03	1.46094E-02	1.29024E-02	
-.129498	-.128992	-6.63446E-02	2.13645E-02	
-.139807	-.136665	-.107055	-2.24677E-02	
-.15536	-.150179	-7.84665E-02	4.15507E-02	**11**
5.72857E-03	3.71300E-03	1.94311E-02	3.17206E-02	
-.144895	-.143429	-4.87294E-02	.100575	
-.164207	-.155135	-.104707	-2.82776E-03	
-.162145	-.141088	1.01576E-02	.134105	**12**
1.00077E-02	4.95451E-03	3.71823E-02	1.96148E-02	
-.145809	-.129902	8.04488E-02	.174582	
-.176472	-.148632	-2.99399E-02	.103566	
-.129955	-.123542	-.106403	-3.58515E-02	**13**
3.94953E-03	2.93512E-03	1.58027E-02	1.79345E-02	
-.122583	-.118326	-6.63446E-02	-1.51840E-02	
-.134848	-.128081	-.117885	-6.09672E-02	
-.142834	-.132816	-7.80620E-02	-7.06791E-03	**14**
1.01797E-02	1.85566E-03	1.23513E-02	1.26006E-02	
-.128963	-.129122	-6.00814E-02	1.14795E-02	
-.166164	-.134584	-9.87044E-02	-3.58645E-02	
-.122518	-.118027	-8.49515E-02	-3.86609E-02	**15**
6.59944E-03	2.86591E-03	7.93939E-03	1.49341E-02	
-.114493	-.113904	-7.28688E-02	-1.70049E-02	
-.135892	-.122618	-9.64862E-02	-5.83659E-02	
-.165329	-.166672	-6.40482E-02	9.39672E-02	**16**
7.92112E-03	4.74020E-03	1.18640E-02	2.02491E-02	
-.154551	-.158516	-4.83380E-02	.127758	
-.17843	-.173994	-8.94402E-02	6.24652E-02	
-.156939	-.13967	-6.78974E-02	4.37228E-02	**17**
7.30830E-03	3.33667E-03	1.85096E-02	2.68798E-02	
-.142808	-.136015	-3.65945E-02	8.70477E-02	
-.166947	-.14655	-9.90959E-02	1.13494E-02	
-.145039	-.140698	-1.83008E-02	7.71887E-02	**18**
6.42079E-03	5.95424E-03	2.35961E-02	1.85902E-02	
-.13811	-.132503	3.80418E-02	9.75830E-02	
-.161467	-.149022	-4.23357E-02	3.61920E-02	
-.103324	-8.56277E-02	-8.16895E-02	-8.31174E-02	**19**
3.01868E-02	2.32552E-02	1.68551E-02	1.62393E-02	
-3.35934E-02	-5.75855E-02	-4.88599E-02	-5.16024E-02	
-.127802	-.119627	-.106533	-.100637	
-.196919	-.191969	-4.46062E-02	.101329	
1.20044E-02	5.75488E-03	3.39991E-02	2.41572E-02	
-.17843	-.1844	2.28946E-03	.135952	**20**
-.215095	-.202089	-9.83130E-02	5.36933E-02	

HONEYWELL CP DATA, RUN NO. 31

				LOCATION NUMBER
.462323	.469542	.700078	.730062	
9.01771E-03	8.99749E-03	2.68603E-02	8.42548E-03	1
.476334	.485302	.727206	.740188	
.451452	.458333	.65401	.709486	
.202538	.46286	.607978	.659508	
2.03520E-02	1.74940E-02	2.20032E-02	1.40830E-02	2
.235126	.480968	.633959	.679507	
.161326	.425103	.570305	.64134	
-.152693	-.135958	-.114452	-.111733	3
1.07088E-02	1.02684E-02	1.55664E-02	1.03668E-02	
-.131821	-.113925	-9.05121E-02	-8.93631E-02	
-.166124	-.145349	-.145228	-.125483	
-8.61638E-02	-6.53073E-02	-6.48089E-02	-5.62292E-02	
1.91218E-02	1.37462E-02	2.08506E-02	1.03736E-02	4
-4.59422E-02	-4.65010E-02	-3.83327E-02	-3.86750E-02	
-.111166	-8.62327E-02	-9.86047E-02	-6.87748E-02	
-.142462	1.17000E-02	-3.88521E-02	.500497	
1.05912E-02	1.24540E-02	2.91737E-02	2.28492E-02	5
-.123245	2.95914E-02	5.60203E-04	.531777	
-.158273	-1.08628E-02	-9.72761E-02	.460019	
-5.64989E-02	-6.19602E-02	.100257	.347313	
1.04163E-02	7.46712E-03	2.72663E-02	3.20642E-02	6
-3.67625E-02	-4.77049E-02	.129197	.396929	
-7.07033E-02	-6.92564E-02	3.88492E-02	.296155	
-6.39997E-02	-7.75760E-02	-6.16202E-02	3.39739E-02	
7.11692E-03	3.33465E-03	1.08810E-02	8.17201E-03	7
-5.28270E-02	-7.31092E-02	-4.02653E-02	4.90960E-02	
-7.34813E-02	-8.34635E-02	-7.50515E-02	2.42938E-02	
-.129333	-.129492	-2.99089E-03	.125947	
4.23723E-03	1.92464E-03	1.87877E-02	1.57851E-02	8
-.122762	-.126687	4.23520E-02	.149185	
-.136894	-.132586	-2.04565E-02	.101951	
-.115539	-9.72372E-02	-4.78748E-02	2.24156E-02	
6.02953E-03	3.83931E-03	1.17471E-02	2.12969E-02	9
-.107301	-9.20119E-02	-3.38637E-02	5.10224E-02	
-.129405	-.106339	-6.51471E-02	-1.03812E-02	
-.124163	-.120763	-7.97380E-02	7.66666E-03	
5.92183E-03	2.24845E-03	1.71493E-02	1.73465E-02	10
-.112978	-.117296	-6.04365E-02	2.88690E-02	
-.130613	-.12476	-.104523	-3.09695E-02	
-.140783	-.142784	-5.60157E-02	5.73675E-02	
5.91308E-03	5.47062E-03	2.78232E-02	1.56858E-02	11
-.127352	-.132948	7.92812E-03	9.21990E-02	
-.150663	-.15161	-9.49811E-02	3.13974E-02	
-.147777	-.129805	-2.70393E-02	9.67140E-02	
9.01817E-03	5.50117E-03	2.46972E-02	3.55703E-02	12
-.133874	-.12163	1.75910E-02	.149185	
-.162379	-.138245	-5.71753E-02	4.90960E-02	
-.118631	-.115261	-9.74089E-02	-3.32691E-02	
5.66135E-03	3.52046E-03	1.85392E-02	2.25353E-02	13
-.109475	-.109831	-5.99533E-02	-8.69644E-04	
-.127835	-.121148	-.114911	-5.61329E-02	
-.127726	-.12175	-6.75508E-02	5.35500E-03	
4.00214E-03	5.31677E-03	1.58870E-02	9.58504E-03	14
-.123366	-.115249	-4.17147E-02	1.75514E-02	
-.134478	-.131503	-9.99333E-02	-9.17719E-03	
-.110176	-.107688	-8.19242E-02	-2.51421E-02	
9.76387E-03	3.25123E-03	2.30629E-02	1.38674E-02	15
-9.70345E-02	-.10345	-4.20771E-02	-5.20402E-03	
-.125178	-.112961	-.119017	-4.58990E-02	
-.12430B	-.152043	-5.65230E-02	2.34390E-02	
3.53488E-02	7.81566E-03	2.91747E-02	2.48597E-02	16
-3.64002E-02	-.138847	-2.05773E-02	6.04136E-02	
-.154045	-.166539	-.102953	-1.18260E-02	
-.143271	-.133333	-6.12820E-02	2.93506E-02	
1.04440E-02	3.93645E-03	2.50807E-02	1.61003E-02	17
-.127472	-.127289	-1.88863E-02	5.75240E-02	
-.161413	-.138366	-8.82171E-02	1.89954E-03	
-.137425	-.123869	-1.55354E-03	.115292	
8.13227E-03	7.70969E-03	4.05928E-02	1.98555E-02	18
-.123728	-.106941	8.77673E-02	.136145	
-.15175	-.131503	-5.08944E-02	7.61859E-02	
-.121494	-8.16455E-02	-6.21396E-02	-5.09437E-02	
2.54092E-02	2.31640E-02	3.07903E-02	1.46104E-02	19
-8.45936E-02	-2.72371E-02	-2.56503E-02	-2.10967E-02	
-.15791	-.111517	-.106456	-7.08216E-02	
-.186573	-.191883	-7.18145E-02	5.68136E-02	
1.47639E-02	9.30281E-03	2.87645E-02	1.58974E-02	
-.166969	-.176653	-2.03357E-02	8.59382E-02	20
-.209727	-.205187	-.115152	3.46481E-02	

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				LOCATION NUMBER
.479362	.48612	.745989	.758454	
1.09041E-02	6.35828E-03	2.61976E-02	2.74757E-03	1
.496891	.498259	.761102	.761886	
.464876	.478629	.67279	.75454	
.298969	.584766	.640594	.699165	
2.26567E-02	1.37258E-02	1.30405E-02	6.91937E-03	2
.327395	.619174	.664937	.71275	
.265782	.572325	.62507	.692276	
.205426	.25478	.281572	.254371	
3.44150E-02	3.11212E-02	2.95354E-02	2.00725E-02	3
.263366	.307975	.318334	.28991	
.157295	.214399	.227365	.232705	
.182424	.259899	.289183	.25873	
2.38806E-02	1.45097E-02	3.89247E-02	1.42501E-02	4
.225432	.281721	.364604	.277988	
.142556	.239329	.24307	.241737	
5.37009E-02	.362652	.690573	.708619	
9.42788E-03	1.81297E-02	8.84346E-03	5.93544F-03	5
6.88625E-02	.392037	.698764	.718531	
4.14387E-02	.333628	.66832	.700586	
.111919	8.52830E-02	.495067	.691193	
2.56508E-02	6.31714E-03	3.80363E-02	1.41767E-02	6
.148114	9.38458E-02	.544369	.706126	
6.98289E-02	7.43357E-02	.432016	.662409	
.131019	8.58732E-02	.168712	.274098	
7.69155E-03	6.58115E-03	2.97525E-02	2.05094E-02	7
.143523	.101072	.230143	.302195	
.118032	7.93939E-02	.125643	.23427	
6.97202E-02	.111224	.469842	.55455	
8.90095E-03	7.66797E-03	2.32912E-02	3.97571E-02	8
8.49302E-02	.119498	.498703	.628206	
5.70231E-02	9.48093E-02	.427425	.505124	
3.99165E-02	5.71138E-02	.130874	.200597	
6.44135E-03	8.46514E-03	2.20182E-02	9.64702E-03	9
5.35196E-02	6.98797E-02	.173846	.217049	
3.28612E-02	4.55523E-02	.103414	.191035	
6.09495E-02	4.87919E-02	.14583	.196117	
1.34679E-02	3.04261E-03	1.13298E-02	1.48973E-02	10
8.89169E-02	5.32600E-02	.164181	.218614	
4.10762E-02	4.25414E-02	.124797	.178871	
-4.52302E-02	3.76760E-02	.24992	.424313	
4.63458E-03	8.20730E-03	3.76806E-02	1.62874E-02	11
-3.52755E-02	5.00083E-02	.298038	.442137	
-5.15848E-02	2.74873E-02	.191243	.392278	
9.76001E-02	6.17746E-02	.35082	.453265	
6.79838E-03	1.06374E-02	3.02646E-02	2.24139E-02	12
9.80984E-02	8.25251E-02	.4087	.498259	
7.68897E-02	4.78405E-02	.30879	.422989	
-5.20197E-02	9.62184E-02	.162007	.230055	
1.04213E-02	6.18606E-03	2.84605E-02	1.81050E-02	13
-3.91414E-02	.110827	.199216	.253419	
-7.38137E-02	8.86672E-02	.108609	.205126	
3.74640E-02	1.33606E-02	9.76756E-02	.163745	
8.33058E-03	3.91919E-03	2.09961E-02	1.23155E-02	14
5.19283E-02	1.88162E-02	.132167	.180076	
2.47669E-02	4.72554E-03	7.04330E-02	.144909	
-3.97937E-02	4.92134E-02	.195543	.223576	
7.04171E-03	5.85691E-03	2.87632E-02	2.47686E-02	15
-2.82685E-02	5.65116E-02	.248023	.262211	
-5.07391E-02	3.60381E-02	.151013	.180557	
-.108063	1.18672E-02	.272487	.468729	
6.73753E-03	6.62993E-03	3.99142E-02	3.08275E-02	16
-9.54387E-02	2.09840E-02	.33851	.513193	
-.115493	2.31689E-03	.217458	.420219	
-1.29377E-02	-2.86946E-02	7.02276E-02	.115632	
5.58620E-03	5.08944E-03	1.60100E-02	1.12088E-02	17
-3.26089E-03	-2.02040E-02	9.33868E-02	.133107	
-2.18656E-02	-3.64625E-02	4.55462E-02	9.92653E-02	
1.95842E-02	9.04015E-02	.25834	.451146	
1.08579E-02	1.08088E-02	4.11481E-02	2.02584E-02	18
4.04722E-02	.110947	.333798	.497179	
5.67902E-03	7.59013E-02	.20284	.424434	
.182569	.229935	.260599	.243243	
2.84214E-02	2.73444E-02	4.65259E-02	2.12490E-02	19
.233768	.271003	.321717	.274013	
.139778	.183689	.16696	.208377	
-4.04582E-02	-4.56033E-02	5.59842E-02	.113765	
8.23798E-03	9.37276E-03	3.66130E-02	3.40167E-02	
-2.95974E-02	-3.22473E-02	.102568	.178992	20
-5.73936E-02	-5.72974E-02	7.73278E-03	6.72302E-02	

				LOCATION NUMBER
.510078	.518662	.771448	.774911	
1.17278E-02	7.57716E-03	4.90962E-03	3.74684E-03	1
.527736	.529786	.779488	.779972	
.491193	.50949	.764349	.766051	
.331202	.613194	.669116	.716183	
1.98823E-02	6.53547E-03	2.55267E-02	2.74757E-03	2
.361467	.621898	.704967	.720255	
.296474	.600041	.630707	.711798	
.228935	.299349	.291305	.297098	
1.90379E-02	1.86767E-02	2.21658E-02	1.44646E-02	3
.268414	.322924	.33145	.321492	
.204856	.270623	.267501	.269061	
.233451	.28401	.304108	.296708	
2.39315E-02	1.85611E-02	2.39732E-02	1.63285E-02	4
.28029	.324615	.367732	.325396	
.199766	.250587	.283814	.264638	
5.28261E-02	.344573	.720289	.740434	
6.19709E-03	1.64185E-02	1.07034E-02	3.47163E-03	5
6.20792E-02	.367679	.733157	.744714	
4.13282E-02	.319151	.703793	.735607	
.106048	8.08167E-02	.542523	.726396	
1.08700E-02	6.16939E-03	3.07899E-02	9.17784E-03	6
.130858	9.27731E-02	.58268	.738469	
9.31404E-02	7.41685E-02	.501634	.709457	
.159635	9.43993E-02	.142394	.262856	
1.17419E-02	8.78453E-03	1.69159E-02	2.17615E-02	7
.177841	.111508	.164268	.294431	
.136991	8.23649E-02	.104625	.227819	
7.02230E-02	.109101	.491519	.559605	
7.27936E-03	8.59809E-03	3.70708E-02	3.48609E-02	8
8.59623E-02	.123607	.550705	.619296	
6.12961E-02	9.62858E-02	.451518	.510531	
4.29857E-02	5.31830E-02	.139915	.185783	
6.54044E-03	5.17410E-03	1.18492E-02	8.01875E-03	9
5.11164E-02	6.01175E-02	.156959	.204271	
3.07570E-02	4.61965E-02	.123288	.176168	
5.50839E-02	4.63917E-02	.160927	.201929	
1.07144E-02	3.35792E-03	1.16050E-02	8.52607E-03	10
7.01707E-02	5.21812E-02	.175492	.220013	
3.48028E-02	4.16430E-02	.145475	.19139	
-5.30429E-02	3.71935E-02	.227878	.396587	
8.68073E-03	3.32008E-03	2.66507E-02	2.18991E-02	11
-3.72382E-02	4.20333E-02	.271677	.419589	
-6.50367E-02	3.33164E-02	.177449	.358051	
8.45790E-02	6.10932E-02	.33701	.498431	
7.49181E-03	9.98102E-03	2.46279E-02	2.23821E-02	12
9.40539E-02	7.42986E-02	.381174	.534339	
7.00402E-02	4.52858E-02	.303652	.462003	
-5.72975E-02	8.13631E-02	.154362	.257287	
5.35564E-03	5.05417E-03	2.45758E-02	1.07450E-02	13
-5.06807E-02	8.79593E-02	.185932	.270232	
-6.60808E-02	7.24771E-02	.109454	.235365	
3.44765E-02	3.32792E-03	9.96006E-02	.168453	
1.10431E-02	5.21005E-03	1.56228E-02	1.12293E-02	14
5.62063E-02	1.25001E-02	.131902	.188398	
1.39213E-02	-2.85192E-03	8.40047E-02	.15262	
-4.74963E-02	4.55070E-02	.175022	.2538	
5.33032E-03	2.87987E-03	9.99366E-03	1.98510E-02	15
-3.89349E-02	4.97093E-02	.190631	.288056	
-5.61621E-02	4.16430E-02	.158786	.226518	
-.124575	9.54680E-03	.310308	.501528	
9.43139E-03	4.38226E-03	3.19959E-02	1.41253E-02	16
-.113586	1.75741E-02	.358204	.526663	
-.141907	1.03214E-05	.254711	.486722	
-1.23893E-02	-3.43496E-02	4.81800E-02	9.38659E-02	
6.47336E-03	2.89040E-03	1.48638E-02	6.51978E-03	17
-3.04486E-03	-3.04336E-03	6.89962E-02	.103962	
-2.27517E-02	-3.94106E-02	1.62705E-02	8.48368E-02	
1.54874E-02	7.04476E-02	.292819	.447913	
5.05209E-03	1.82056E-02	4.30444E-02	3.11863E-02	18
2.48841E-02	.100319	.343979	.491796	
8.43994E-03	4.47654E-02	.202246	.398383	
.169867	.246372	.234677	.265067	
3.61057E-02	1.01663E-02	3.14297E-02	8.60435E-03	19
.239572	.264768	.291775	.278559	
.111934	.227559	.188281	.247595	
-4.73788E-02	-5.16532E-02	2.59673E-02	.197805	
6.77337E-03	7.89489E-03	1.64379E-02	3.46966E-02	20
-3.63247E-02	-3.86300E-02	4.57655E-02	.253189	
-5.87723E-02	-6.43902E-02	-1.87028E-03	.157954	

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HONEYWELL CP DATA. RUN NO. 35

				LOCATION NUMBER
.31715	.471728	.647649	.722373	
3.68949E-02	1.00195E-02	1.86438E-02	1.95980E-03	1
.383934	.482964	.6833	.725757	
.277501	.455987	.614439	.719253	
-.211549	-.189545	.495441	.619644	
6.28166E-03	4.49322E-03	5.36463E-02	1.67425E-02	2
-.2C4409	-.181584	.544248	.640852	
-.223134	-.19435	.359772	.590631	
.14153	.174909	.198636	.185375	
4.69688E-02	2.23835E-02	4.65075E-02	3.38943E-02	3
.226398	.227044	.251164	.243303	
8.36012E-02	.149727	.128905	.140092	
.117102	.170417	.193659	.169875	
2.72788E-02	3.55892E-02	5.77503E-02	2.30555E-02	4
.179766	.235354	.286561	.215724	
8.86752E-02	.114681	.106434	.139008	
-.178024	-.187052	.13921	.524791	
7.28589E-03	8.98506E-03	3.06991E-02	1.63787E-02	5
-.168408	-.17761	.185323	.55137	
-.18967	-.206152	9.24204E-02	.493924	
-.121389	-.133074	-4.18958E-02	.18305	
7.69895E-03	1.16933E-02	4.62925E-02	3.04109E-02	6
-.111023	-.115707	2.07802E-02	.236559	
-.136031	-.153041	-.118876	.145271	
3.90829E-02	7.40587E-02	.427099	.544108	
1.05422E-02	1.15215E-02	5.31539E-02	2.09043E-02	7
5.35196E-02	8.85468E-02	.532892	.572807	
1.49814E-02	4.79609E-02	.344188	.50958	
-4.36234E-02	-3.91361E-02	3.85755E-02	.170032	
1.50538E-02	9.78496E-03	5.95642E-02	2.11938E-02	8
-1.36505E-02	-2.28536E-02	.141952	.209461	
-7.11559E-02	-5.47683E-02	-7.62299E-02	.140333	
4.89410E-02	.147451	.436486	.532474	
1.35193E-02	8.02443E-03	4.30814E-02	2.51174E-02	9
7.26076E-02	.160686	.509093	.56811	
2.41629E-02	.137202	.378014	.49019	
8.28851E-03	3.60983E-02	.131478	.247434	
1.17222E-02	1.93639E-02	3.45597E-02	3.73497E-02	10
3.73311E-02	6.81936E-02	.166477	.3093	
-4.71061E-03	1.05063E-02	7.07954E-02	.193685	
-1.13464E-03	8.61552E-03	.105274	.158049	
7.22900E-03	1.30987E-02	3.61630E-02	3.43868E-02	11
9.30331E-03	2.79691E-02	.186773	.231019	
-1.54627E-02	-1.35802E-02	6.29428E-02	.126122	
6.77148E-02	6.66762E-02	.204061	.303941	
1.37216E-02	7.05589E-03	5.68586E-02	2.10900E-02	12
9.74944E-02	8.24047E-02	.298763	.335675	
4.98954E-02	5.59095E-02	9.83400E-02	.274977	
-5.48345E-02	8.17303E-02	.297144	.384559	
1.81752E-02	9.88545E-03	5.26702E-02	3.68266E-02	13
-2.86309E-02	9.51706E-02	.365329	.43732	
-8.28744E-02	6.78323E-02	.216854	.32969	
2.48515E-02	3.61946E-02	.199881	.278939	
1.14061E-02	1.22213E-02	6.80775E-02	3.41055E-02	14
4.03514E-02	5.28987E-02	.297193	.330617	
-3.61462E-04	1.26741E-02	7.63527E-02	.213676	
-2.89088E-02	6.31475E-02	.248627	.414486	
1.28252E-02	8.96922E-03	4.13613E-02	3.58332E-02	15
-1.01470E-02	7.98756E-02	.326187	.466706	
-5.55715E-02	5.03696E-02	.188222	.365903	
-.105611	2.94384E-02	.210198	.272062	
9.62103E-03	1.32905E-02	5.92187E-02	5.14806E-02	16
-8.98814E-02	5.00083E-02	.287045	.336518	
-.119963	9.30199E-03	.107401	.188024	
8.39724E-03	6.47011E-02	.23088	.300906	
2.00108E-02	1.31717E-02	6.97273E-02	2.59404E-02	17
3.58814E-02	8.02369E-02	.332348	.340372	
-1.98118E-02	3.63994E-02	.111146	.270159	
6.97565E-02	.190577	.362249	.383643	
2.64957E-02	2.50319E-02	5.65084E-02	2.39991E-02	18
.113079	.242821	.446634	.421664	
3.40693E-02	.170321	.289461	.351692	
7.49875E-02	.120883	.117923	.139225	
5.28626E-02	4.19121E-02	5.20662E-02	2.52787E-02	19
.18641	.222468	.198612	.182846	
1.63103E-02	6.59054E-02	5.84728E-02	9.97470E-02	
-3.72326E-02	-4.13761E-02	9.25170E-02	.189289	
9.40902E-03	7.61175E-03	5.09235E-02	3.57113E-02	
-2.29529E-02	-3.05613E-02	.159229	.236438	20
-4.68732E-02	-5.07940E-02	1.00282E-02	.121907	

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HONEYWELL CP DATA, RUN NO. 36

				LOCATION NUMBER
.340951	.500071	.6483	.752143	
2.79065E-02	5.63203E-03	3.89519E-02	4.75894E-03	1
.387177	.511832	.706925	.757594	
.290079	.492707	.587639	.744064	
-.22478	-.206175	.543606	.670231	
3.11735E-03	6.44813E-03	2.91277E-02	1.09329E-02	2
-.218515	-.194492	.586204	.682656	
-.228695	-.213747	.49289	.652472	
.155432	.191442	.170702	.163861	
2.41643E-02	3.53107E-02	4.45730E-02	2.07313E-02	3
.205639	.234194	.247272	.20297	
.123157	.133365	9.78387E-02	.143903	
.12257	.180019	.177462	.187162	
3.28422E-02	1.68389E-02	3.69573E-02	2.05269E-02	4
.158786	.212987	.2367	.221704	
4.86367E-02	.154051	.134903	.155612	
-.205478	-.202415	.175805	.561244	
1.02978E-02	9.23494E-03	4.09287E-02	2.17550E-02	5
-.192936	-.19215	.239702	.595747	
-.229478	-.21739	.119242	.533168	
-.13957	-.131289	5.37297E-03	.201252	
1.71142E-02	9.58871E-03	4.83671E-02	3.65301E-02	6
-.101318	-.113309	6.71690E-02	.271013	
-.165007	-.148176	-8.35690E-02	.145985	
5.60235E-02	6.28887E-02	.370655	.550277	
1.19778E-02	9.56916E-03	2.42816E-02	2.28144E-02	7
7.30419E-02	7.65103E-02	.401664	.595878	
3.01045E-02	4.99695E-02	.329101	.50936	
-4.06445E-02	-4.25461E-02	6.59423E-02	.165266	
9.97646E-03	7.58914E-03	3.07215E-02	2.16025E-02	8
-2.65365E-02	-2.83519E-02	.103712	.188268	
-5.70756E-02	-5.09897E-02	3.48372E-04	.125429	
4.39776E-02	.173046	.421841	.491497	
9.89237E-03	1.88555E-02	2.59103E-02	2.45932E-02	9
5.89470E-02	.208043	.448778	.533168	
3.18011E-02	.148847	.367601	.447041	
5.98637E-03	2.35848E-02	.131053	.222446	
1.07121E-02	4.82185E-03	3.44895E-02	2.68447E-02	10
2.54061E-02	3.40970E-02	.203551	.262036	
-1.09754E-02	1.79644E-02	8.85725E-02	.173046	
1.18363E-03	6.60649E-03	9.51111E-02	.197206	
4.58483E-03	6.99217E-03	3.67290E-02	2.84061E-02	11
8.96197E-03	2.03062E-02	.142081	.238748	
-5.39403E-03	-2.20141E-03	2.73638E-02	.159515	
7.35901E-02	7.95157E-02	.219982	.325396	
6.73861E-03	1.31108E-02	1.97564E-02	2.00840E-02	12
8.42657E-02	.102661	.247141	.354929	
6.37758E-02	5.79057E-02	.188281	.287796	
-5.42827E-02	7.77073E-02	.28384	.420643	
1.43582E-02	8.20731E-03	2.82112E-02	1.77803E-02	13
-3.11043E-02	9.23828E-02	.311352	.449903	
-9.35690E-02	6.64925E-02	.2213	.392268	
1.88415E-02	4.27619E-02	.194572	.252786	
9.52103E-03	2.43945E-02	5.00507E-02	3.57120E-02	14
3.96316E-02	8.74389E-02	.264238	.298464	
7.65688E-03	1.25001E-02	.119242	.198546	
-2.87943E-02	6.67787E-02	.245719	.415973	
8.49639E-03	9.78340E-03	3.55003E-02	2.38496E-02	15
-1.66178E-02	7.87220E-02	.308872	.44548	
-4.46773E-02	4.86685E-02	.208249	.380168	
-.117802	3.01810E-02	.188203	.2608	
1.42384E-02	2.14803E-02	5.40993E-02	1.85383E-02	16
-9.77945E-02	6.12884E-02	.293341	.284674	
-.145822	-2.59172E-03	.109585	.219492	
1.10533E-03	3.27310E-02	.213235	.334529	
9.88916E-03	1.41072E-02	2.35800E-02	2.12885E-02	17
1.54874E-02	5.21812E-02	.250273	.376526	
-1.59653E-02	9.50777E-03	.162702	.308352	
6.03173E-02	.180514	.31896	.386596	
2.47140E-02	2.72757E-02	2.86384E-02	3.19208E-02	18
.101884	.217281	.358988	.435332	
3.61079E-02	.144684	.279768	.328258	
5.80726E-02	9.85366E-02	.123053	.124726	
2.86971E-02	3.12006E-02	2.27896E-02	2.59564E-02	19
.111673	.150148	.158264	.156393	
2.64502E-02	5.28317E-02	8.98776E-02	6.29797E-02	
-3.90132E-02	-5.29282E-02	6.81740E-02	.160491	
9.51966E-03	7.75959E-03	1.80347E-02	1.89467E-02	20
-1.74009E-02	-3.81096E-02	9.39234E-02	.208043	
-4.97671E-02	-6.42601E-02	4.22418E-02	.143123	

				LOCATION NUMBER
.497144	.499901	.735872	.763839	
1.54700E-02	5.71953E-03	1.52197E-02	5.62615E-03	1
.52878	.50936	.753516	.772816	
.477359	.492967	.696615	.754082	
-1.40729E-02	.245227	.647295	.695419	
4.63943E-03	1.61706E-02	1.64130E-02	4.54542E-03	2
-7.09065E-03	.264898	.667381	.699959	
-2.11856E-02	.208174	.621441	.686559	
.233842	.293768	.316911	.32226	
2.00949E-02	1.26670E-02	2.78322E-02	3.27987E-02	3.
.260714	.308092	.360684	.362084	
.194024	.271663	.268675	.277518	
.222906	.259681	.253249	.251211	
2.31017E-02	2.05767E-02	3.54941E-02	1.75902E-02	4
.253145	.283893	.306523	.275566	
.174709	.230811	.192458	.224697	
-4.69481E-02	4.98654E-02	.589062	.719032	
7.14355E-03	8.95631E-03	3.00211E-02	3.06649E-03	5
-3.43671E-02	6.49312E-02	.637233	.724939	
-5.91638E-02	3.38368E-02	.541961	.715441	
-2.73718E-02	-1.94121E-03	.467114	.664051	
5.14605E-03	8.83543E-03	3.03986E-02	1.13898E-02	6
-2.19687E-02	1.35409E-02	.519775	.680704	
-3.64552E-02	-1.31300E-02	.419674	.647658	
1.81237E-02	-1.73453E-02	8.45268E-02	.219414	
7.01667E-03	3.44866E-03	2.23030E-02	2.75645E-02	7
2.67112E-02	-1.28698E-02	.118851	.253059	
4.39415E-03	-2.36683E-02	5.32046E-02	.182023	
-9.34846E-03	4.08493E-02	.263859	.370138	
7.32342E-03	6.91555E-03	3.26596E-02	1.11265E-02	8
-3.04173E-04	5.58241E-02	.307697	.389276	
-2.07941E-02	3.18853E-02	.213731	.349074	
-7.42997E-03	2.02152E-02	.124228	.211439	
4.84217E-03	9.04390E-03	2.12337E-02	2.08595E-02	9
-1.34825E-03	3.29261E-02	.162049	.246814	
-1.79229E-02	6.12512E-03	8.88336E-02	.181763	
-1.07971E-02	-4.06005E-04	.159687	.329884	
3.41376E-03	4.61296E-03	2.22956E-02	1.55112E-02	10
-6.69912E-03	8.33685E-03	.1905	.349334	
-1.74009E-02	-7.92590E-03	.125637	.304319	
-4.57083E-02	1.14203E-02	.189012	.270284	
4.62100E-03	3.34731E-03	1.97551E-02	1.85191E-02	11
-3.95874E-02	1.64032E-02	.218951	.293781	
-5.13332E-02	6.25522E-03	.160744	.24161	
3.96186E-02	5.57330E-02	.268975	.490976	
8.75076E-03	5.27804E-03	3.90830E-02	3.00916E-02	12
5.68588E-02	6.23292E-02	.325969	.56075	
2.94519E-02	4.58062E-02	.213731	.453026	
1.88154E-02	2.23228E-02	8.16686E-02	.157057	
7.57997E-03	3.13320E-03	2.18412E-02	1.37367E-02	13
3.45418E-02	2.68113E-02	.118981	.180982	
1.05281E-02	1.75741E-02	5.99910E-02	.137658	
1.73177E-03	-6.14168E-04	9.37668E-02	.190076	
4.16028E-03	2.90242E-03	2.48826E-02	1.20470E-02	14
8.57045E-03	3.52308E-03	.130205	.209475	
-3.17537E-03	-5.84427E-03	5.42486E-02	.174477	
-3.72252E-02	1.40874E-02	7.89670E-02	.138192	
7.39066E-03	4.54520E-03	2.42305E-02	2.25109E-02	15
-2.48399E-02	2.09567E-02	.11859	.169143	
-4.74180E-02	6.77563E-03	4.96808E-02	.112809	
-.113195	2.52891E-02	.313805	.451829	
4.74348E-03	9.12795E-03	2.69034E-02	1.19293E-02	16
-.107191	3.38368E-02	.367209	.475273	
-.120242	8.85726E-03	.275853	.439885	
-2.37828E-02	-2.61272E-02	9.97311E-02	.211127	
5.33218E-03	3.38993E-03	3.08700E-02	2.84600E-02	17
-1.54432E-02	-2.10662E-02	.178102	.256702	
-3.33230E-02	-3.31657E-02	6.99097E-02	.167061	
-8.42184E-03	5.48223E-02	.228152	.323223	
8.59796E-03	1.22482E-02	5.36480E-02	1.45468E-02	18
8.17892E-03	7.98930E-02	.307175	.342439	
-2.32738E-02	3.69593E-02	.145866	.290919	
9.43280E-02	.143682	.158786	.173501	
2.22854E-02	1.82008E-02	2.11377E-02	2.47856E-02	19
.138427	.180332	.192197	.204531	
5.80334E-02	.119054	.132685	.126209	
-4.05010E-02	-4.63971E-02	6.47155E-02	.177443	
5.94491E-03	4.39750E-03	3.54465E-02	1.66642E-02	20
-2.87552E-02	-4.07116E-02	.113108	.205572	
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Data				LOCATION NUMBER
.475943	.491973	.742992	.773376	
1.85200E-02	3.46207E-03	1.74305E-02	4.24406E-03	1
.495804	.496091	.762793	.778506	
.44156	.485975	.708912	.766343	
-9.54300E-03	.224419	.634421	.685171	
4.24936E-03	2.35656E-02	1.02482E-02	6.74490E-03	2
-4.82272E-04	.263415	.6444	.696492	
-1.43754E-02	.184893	.610211	.677222	
.224804	.285334	.283275	.286177	
2.86162E-02	3.72928E-02	2.35380E-02	1.65536E-02	3
.270494	.354342	.320267	.312552	
.175175	.23704	.248386	.266667	
.186277	.21287	.256033	.226755	
2.72639E-02	2.10564E-02	2.49813E-02	2.06814E-02	4
.21468	.249686	.296105	.266426	
.136637	.179353	.204048	.204764	
-4.06152E-02	6.65317E-02	.579851	.70715	
6.22418E-03	6.99921E-03	4.51018E-02	1.27841E-02	5
-2.99598E-02	8.32477E-02	.638359	.720217	
-4.90477E-02	5.79568E-02	.497495	.682883	
-2.48254E-02	-1.01600E-02	.498389	.653304	
5.02791E-03	1.00537E-02	2.83902E-02	1.19265E-02	6
-1.67916E-02	4.00295E-03	.542557	.669756	
-3.18928E-02	-2.64666E-02	.458836	.6264	
2.02124E-02	-3.25915E-02	9.54527E-02	.20751	
6.70433E-03	4.56389E-03	2.16283E-02	1.22572E-02	7
3.26196E-02	2.67818E-03	.137241	.23126	
1.22027E-02	-1.27372E-02	7.36949E-02	.188145	
-7.35973E-04	5.54759E-02	.254921	.377658	
6.55821E-03	7.25073E-02	4.04696E-02	2.06189E-02	8
8.57945E-03	6.45806E-02	.342013	.408778	
-9.66381E-03	4.59136E-02	.203203	.345671	
-2.40315E-03	3.58213E-02	.119216	.214676	
6.53568E-03	1.23817E-02	3.08506E-02	3.68860E-02	9
9.18250E-03	5.35008E-02	.16696	.269798	
-1.40130E-02	1.17106E-02	5.96809E-02	.153219	
-5.85830E-03	5.39997E-03	.180116	.302062	
6.19085E-03	6.94037E-03	3.48341E-02	2.13692E-02	10
2.41716E-03	1.21924E-02	.241016	.339529.	
-1.48596E-02	-7.19730E-03	.121535	.268112	
-3.33304E-02	1.53236E-02	.203456	.27582	
6.18039E-03	4.55079E-02	2.72438E-02	1.15793E-02	11
-2.23321E-02	2.24292E-02	.22664	.294487	
-4.39737E-02	7.37507E-03	.150892	.261609	
4.16803E-02	5.35249E-02	.25404	.434815	
7.52264E-03	1.16401E-02	5.53585E-02	1.63006E-02	12
5.76272E-02	7.13249E-02	.34008	.458637	
3.17739E-02	3.73628E-02	.162852	.411668	
2.60596E-02	3.40509E-02	8.43261E-02	.143524	
9.65708E-03	3.95772E-03	2.88464E-02	1.42149E-02	13
4.50630E-02	4.23006E-02	.11767	.170441	
1.28068E-02	2.85712E-02	3.67271E-02	.126242	
6.16226E-03	1.00005E-02	9.61171E-02	.196202	
8.50729E-03	5.89252E-03	2.00164E-02	1.84201E-02	14
2.05386E-02	1.99001E-02	.138811	.230537	
-7.73085E-03	1.23299E-03	7.33324E-02	.174415	
-3.50097E-02	2.84869E-02	.103885	.165708	
6.10738E-03	4.52912E-03	2.92119E-02	2.14878E-02	15
-2.53691E-02	3.67607E-02	.178558	.190072	
-4.28865E-02	2.02614E-02	7.05538E-02	.126604	
-9.59219E-02	2.74030E-02	.325124	.446774	
9.66288E-03	1.33585E-02	3.94187E-02	2.56173E-02	16
-7.97334E-02	4.51910E-02	.381639	.495248	
-.109936	8.45896E-03	.236305	.410945	
-1.45983E-02	-1.57842E-02	.120871	.191782	
5.78246E-03	8.01258E-03	3.78015E-02	3.02876E-02	17
-5.19385E-03	-3.58432E-03	.166718	.222468	
-2.53691E-02	-2.85139E-02	6.91041E-02	.136961	
-5.25425E-03	8.44039E-02	.242055	.4072	
1.34886E-02	2.09675E-02	4.39514E-02	2.08027E-02	18
1.65519E-02	.132143	.301783	.441897	
-2.41610E-02	6.32559E-02	.154154	.371925	
.105299	.179413	.172747	.205029	
2.36090E-02	9.59152E-03	4.80753E-02	2.25599E-02	19
.134462	.193925	.24899	.23427	
6.68087E-02	.164781	.104864	.155869	
-3.66527E-02	-5.41902E-02	4.12575E-02	.157193	
1.23109E-02	5.79546E-03	2.55705E-02	3.62408E-02	20
-2.01742E-02	-4.50132E-02	8.75880E-02	.1979	
-5.43634E-02	-6.25964E-02	-5.07304E-03	8.67403E-02	

HONEYWELL CP DATA, RUN NO. 39

Value 1	Value 2	Value 3	Value 4	Location Number
.109769	.285452	.494992	.650171	
4.29766E-02	3.78123E-02	1.12007E-02	1.97444E-02	1
.160117	.338676	.510913	.684996	
4.41513E-02	.234636	.481801	.629725	
-.349927	-.349376	-.378024	1.97270E-02	
9.27652E-03	6.63727E-03	1.32383E-02	2.80351E-02	2
-.337207	-.340477	-.359434	7.33970E-02	
-.367044	-.363958	-.400505	-1.52301E-02	
-.38642	-.399951	-.374823	-.380408	
2.18734E-02	2.39507E-02	3.16667E-02	4.68885E-03	3
-.356051	-.36432	-.315342	-.372749	
-.429496	-.439821	-.413309	-.386115	
-.130522	-.104459	-9.32077E-02	-.107398	
5.74923E-02	5.71340E-02	4.96629E-02	3.32806E-02	4
-3.87159E-02	-3.05231E-02	-1.34692E-02	-3.38948E-02	
-.243105	-.209222	-.159393	-.157684	
-.369593	-.381395	-.387398	-.387777	
6.78162E-03	8.42351E-03	1.57574E-02	2.06349E-02	5
-.361004	-.371545	-.366802	-.356131	
-.378278	-.396592	-.420678	-.425612	
-.365147	-.399156	-.434968	-.415389	
1.67504E-02	1.30176E-02	5.34750E-02	2.84450E-02	6
-.336361	-.376361	-.375862	-.368173	
-.387579	-.417183	-.537852	-.446685	
-6.18728E-02	3.54294E-02	.286653	.370081	
1.89425E-02	3.67690E-02	8.75138E-02	5.92458E-02	7
-2.40994E-02	8.98941E-02	.412463	.454638	
-8.75181E-02	-9.45010E-03	.121341	.303273	
-.220891	-.257389	-.284805	-.26123	
2.47263E-02	1.10616E-02	4.41553E-02	1.56334E-02	8
-.169057	-.230657	-.2181	-.236798	
-.249991	-.26931	-.380211	-.285808	
1.86509E-02	.132751	.48499	.573478	
1.81834E-02	2.79104E-02	2.35843E-02	5.44089E-02	9
5.57478E-02	.17828	.525046	.642489	
-7.91248E-03	9.80825E-02	.445199	.485946	
-.126294	-.177227	-.123431	-.126785	
4.57427E-02	2.44954E-02	5.56505E-02	2.29912E-02	10
-5.56275E-02	-.132878	-7.27808E-02	-9.86793E-02	
-.208437	-.218735	-.262554	-.175385	
-6.21869E-02	-9.26464E-02	-2.54281E-02	-3.40393E-02	
2.76474E-02	2.35786E-02	4.89645E-02	2.14087E-02	11
3.01752E-04	-5.61720E-02	5.81638E-02	-4.27216E-03	
-.101047	-.140584	-7.86999E-02	-6.83341E-02	
-4.53356E-02	-2.44902E-02	2.46183E-02	4.77962E-02	
3.51834E-02	2.00540E-02	2.93183E-02	3.99150E-02	12
2.65148E-02	1.43925E-02	5.96134E-02	.109643	
-.102255	-5.59312E-02	-1.95091E-02	-2.23347E-02	
4.79806E-02	9.23506E-02	.350192	.498325	
1.77493E-02	1.27780E-02	7.18902E-02	4.28498E-02	13
9.05376E-02	.115182	.465856	.57084	
1.89046E-02	7.26744E-02	.229092	.439827	
-4.56639E-03	-2.79101E-02	2.76503E-02	4.42801E-02	
2.78649E-02	1.64266E-02	4.07255E-02	1.21148E-02	14
5.01912E-02	-4.27216E-03	.106724	6.05123E-02	
-3.52127E-02	-5.56903E-02	-3.41256E-02	2.19788E-02	
-4.58913E-02	6.85682E-02	.316272	.547612	
2.08471E-02	8.38485E-02	6.73035E-02	2.83021E-02	15
-2.26498E-02	8.45957E-02	.410168	.592154	
-9.19876E-02	5.65385E-02	.22112	.491365	
-.130063	-2.75247E-02	-4.22816E-03	8.86779E-02	
3.63155E-02	1.61213E-02	2.75740E-02	2.44973E-02	16
-8.43774E-02	-7.76426E-03	3.34003E-02	.123129	
-.200947	-5.48474E-02	-6.13050E-02	5.37689E-02	
3.39417E-03	2.01846E-02	.103004	.190298	
1.68367E-02	3.93469E-02	6.17771E-02	3.34066E-02	17
3.29171E-02	7.52032E-02	.195027	.244269	
-2.14418E-02	-3.58215E-02	2.97764E-02	.138181	
8.15864E-02	.277022	.428783	.569974	
3.65577E-02	3.49468E-02	7.55868E-02	4.62751E-02	18
.129918	.340603	.527221	.634421	
9.11998E-03	.214887	.318241	.477156	
-8.96343E-03	4.09325E-02	4.82946E-02	4.13178E-02	
5.46183E-02	4.17973E-02	6.40659E-02	2.91545E-02	19
8.88464E-02	.10892	.133783	.104946	
-6.55330E-02	-3.85911E-02	-4.93461E-02	-1.77977E-04	
-6.31049E-02	-4.29140E-02	7.81317E-02	.154293	
1.37614E-02	2.35378E-02	9.13097E-02	4.71596E-02	20
-3.79911E-02	-8.84802E-03	.29541	.240416	
-8.19614E-02	-6.94179E-02	-2.36162E-02	.108559	

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HONEYWELL CP DATA, RUN NO. 40

				LOCATION NUMBER
.126159	.338847	.505472	.622368	
3.49141E-02	2.64046E-02	2.46020E-02	3.60166E-02	1
.187936	.397086	.553978	.680281	
6.33123E-02	.312921	.469416	.584148	
-.360591	-.36533	-.388531	3.11043E-02	
1.22996E-02	7.56404E-03	1.11992E-02	2.41773E-02	2
-.341356	-.352855	-.367455	6.28971E-02	
-.383115	-.379523	-.41078	-1.30726E-02	
-.399388	-.366384	-.394129	-.402379	
2.44345E-02	1.46466E-02	2.41654E-02	2.50864E-02	3
-.37646	-.349473	-.354275	-.353896	
-.454235	-.397865	-.430224	-.432988	
-.10217	-8.28893E-02	-9.34788E-02	-8.02356E-02	
4.27426E-02	3.69429E-02	2.31717E-02	1.68299E-02	4
-3.65172E-02	-3.80490E-02	-6.48349E-02	-5.79520E-02	
-.174582	-.134572	-.147961	-.112588	
-.382958	-.380563	-.425226	-.400427	
9.05984E-03	7.61856E-03	2.07565E-02	8.04143E-03	5
-.371501	-.373539	-.37933	-.387849	
-.398774	-.398775	-.452539	-.411523	
-.386142	-.393858	-.441303	-.436357	
1.87271E-02	1.34923E-02	2.14716E-02	8.99933E-03	6
-.36876	-.371457	-.413912	-.424012	
-.427353	-.413605	-.470678	-.455492	
-8.76978E-02	4.43245E-04	.162085	.333891	
1.76699E-02	1.82689E-02	5.07424E-02	3.40642E-02	7
-6.24860E-02	3.76606E-02	.236611	.400859	
-.116772	-2.36095E-02	6.80101E-02	.293018	
-.232901	-.282986	-.274699	-.284222	
3.54151E-02	2.27271E-02	3.98739E-02	2.19606E-02	8
-.164403	-.257243	-.179019	-.246836	
-.298684	-.335294	-.330395	-.313699	
1.06049E-02	7.09494E-02	.412611	.492347	
9.74777E-03	1.86361E-02	2.52115E-02	1.94555E-02	9
2.92528E-02	.106866	.451147	.530553	
-2.39330E-04	4.52056E-02	.358364	.462129	
-.128152	-.164778	-.146199	-.15095	
2.18909E-02	2.70976E-02	2.16070E-02	1.70463E-02	10
-9.35441E-02	-.132231	-.120948	-.128848	
-.162837	-.218217	-.188154	-.168785	
-6.62573E-02	-8.13413E-02	-8.24388E-02	-4.43711E-02	
1.90041E-02	1.86728E-02	1.73907E-02	1.98709E-02	11
-2.25542E-02	-5.20982E-02	-6.28775E-02	-1.43735E-02	
-8.57143E-02	-.109336	-.106333	-8.13673E-02	
-1.90438E-02	-3.25118E-03	5.86789E-03	5.25294E-02	
3.05893E-02	2.00334E-02	3.76316E-02	1.78114E-02	12
7.98193E-03	1.72372E-02	5.63960F-02	8.52718E-02	
-7.59271E-02	-3.37562E-02	-6.07895E-02	2.67335E-02	
3.86877E-02	6.19605E-02	.319737	.451071	
1.18231E-02	9.76416E-03	4.96468E-02	1.85173E-02	13
5.73095E-02	8.04586E-02	.386421	.483202	
1.92046E-02	4.57259E-02	.252793	.429477	
-1.64696E-02	-1.68451E-02	3.85050E-02	7.55284E-02	
2.84773E-02	1.51385E-02	4.95132E-02	1.64377E-02	14
4.32159E-02	1.26843E-02	.107811	.101012	
-5.45257E-02	-3.85693E-02	-2.58166E-02	5.57425E-02	
-4.78443E-02	6.14012E-02	.30199	.473888	
1.19447E-02	1.10030E-02	6.01174E-02	2.61248E-02	15
-3.37768E-02	7.96781E-02	.433921	.51026	
-6.78363E-02	4.13030E-02	.230869	.437933	
-.112505	-3.27805E-02	4.63869E-02	9.08525E-02	
9.91529E-03	9.12659E-03	6.76327E-02	4.70239E-02	16
-9.60235E-02	-1.34629E-02	.183369	.184917	
-.131388	-4.78054E-02	-5.62222E-02	3.23271E-02	
1.31357E-03	4.54093E-03	.139587	.201412	
1.55671E-02	1.70655E-02	8.48435E-02	4.67345E-02	17
1.93351E-02	2.45220E-02	.289723	.300563	
-2.02052E-02	-2.24387E-02	2.23365F-02	.127029	
.11324	.194999	.421616	.445049	
3.89999E-02	2.75229E-02	6.31001E-02	3.60667E-02	18
.167318	.227715	.487033	.483332	
5.71790E-02	.136786	.28633	.367036	
2.82871E-02	3.45516E-02	7.16249E-02	4.65845E-02	
4.33869E-02	2.54420E-02	3.11996E-02	2.25520E-02	19
.138217	6.87510E-02	.124776	9.54184E-02	
-1.38109E-02	-1.88528E-03	2.27280E-02	1.59364E-02	
-5.18897E-02	-5.26445E-02	.118695	.143719	
1.16960E-02	1.56072E-02	5.65034E-02	3.92596E-02	20
-2.59471E-02	-3.49269E-02	.225388	.200007	
-6.88803E-02	-8.73513E-02	4.11279E-02	9.69795E-02	

HONEYWELL CP DATA. RUN NO. 41

				LOCATION NUMBER
.46695	.499801	.708394	.76018	
2.96872E-02	2.80718E-03	2.18537E-02	3.25505E-03	1
.51248	.504146	.73602	.764967	
.422829	.496861	.673512	.75495	
-6.28644E-02	-7.38224E-02	4.29549E-02	.662343	
5.20992E-03	9.67679E-04	1.21245E-02	1.13548E-02	2
-5.71356E-02	-7.25215E-02	6.46172E-02	.682233	
-7.30562E-02	-7.52533E-02	2.46854E-02	.649061	
-.109921	-.103443	-.102979	-.100763	3
6.29351E-03	4.43201E-03	9.36533E-03	7.05560E-03	
-9.92859E-02	-9.76280E-02	-8.78022E-02	-8.69610E-02	
-.116772	-.109336	-.117947	-.108555	
-4.78313E-02	-4.88591E-02	-4.74267E-02	-5.54544E-02	
2.48266E-02	7.52169E-03	1.63673E-02	1.04234E-02	4
-9.11306E-03	-3.80490E-02	-1.31584E-02	-3.29756E-02	
-8.38874E-02	-6.18546E-02	-6.60094E-02	-6.65376E-02	
-.146434	-.150664	-2.09621E-02	.379876	
4.14939E-03	3.10005E-03	1.30485E-02	1.77803E-02	
-.140784	-.14576	-8.06910E-03	.414387	5
-.153181	-.155126	-5.25683E-02	.358841	
-.128439	-.130631	-4.23504E-02	9.25046E-02	
3.29862E-03	2.09751E-03	1.57803E-02	1.90632E-02	
-.124472	-.127157	-9.11306E-03	.126639	6
-.133998	-.133532	-6.20945E-02	6.19865E-02	
-.108917	-.120562	-3.81615E-02	7.72325E-02	
6.45086E-03	4.91067E-03	2.31676E-02	3.32596E-02	
-9.86334E-02	-.111677	1.51592E-02	.132363	7
-.120948	-.126637	-6.86193E-02	3.15466E-02	
-.118286	-.120185	-2.57644E-02	.111809	
5.87376E-03	3.05533E-03	3.04676E-02	1.57295E-02	
-.11351	-.114929	2.97748E-02	.130802	8
-.133476	-.124035	-6.41824E-02	8.47515E-02	
-6.52917E-02	-5.15908E-02	.100556	.148155	
7.90307E-02	8.83210E-02	4.11045E-02	1.07061E-02	
-4.61740E-02	-3.92197E-02	.152833	.164103	9
-7.55356E-02	-6.25050E-02	4.23024E-02	.127159	
-.113771	-.112028	-9.40016E-03	7.61138E-02	
6.42031E-03	3.16773E-03	3.35289E-02	2.70461E-02	
-.100069	-.108295	3.46031E-02	.118053	10
-.122906	-.117661	-7.24037E-02	3.71403E-02	
-9.29046E-02	-9.68735E-02	-8.17350E-03	5.87214E-02	
8.14588E-03	6.37405E-03	2.11107E-02	2.15149E-02	
-7.41001E-02	-8.74813E-02	3.04273E-02	8.89142E-02	11
-.101765	-.106994	-4.03016E-02	1.60665E-02	
-6.60616E-02	-5.82382E-02	2.40590E-02	.10818	
9.77604E-02	8.69827E-02	2.52607E-02	1.78369E-02	
-4.74789E-02	-4.68948E-02	7.25775E-02	.139127	12
-7.94505E-02	-7.25215E-02	-6.24215E-03	8.21497E-02	
-4.36423E-02	-3.70603E-02	7.02808E-02	.149248	
7.84331E-03	4.79117E-03	45234E-02	2.70191E-02	
-3.11669E-02	-2.93333E-02	.1277	.184397	13
-5.81796E-02	-4.39028E-02	2.50109E-03	.111029	
-7.42567E-02	-6.91784E-02	2.60556E-02	.105331	
8.42664E-03	7.21246E-03	4.21660E-02	1.85553E-02	
-5.93541E-02	-5.57406E-02	9.29349E-02	.14394	14
-8.46703E-02	-7.99364E-02	-2.55556E-02	7.78569E-02	
-6.77580E-02	-3.66701E-02	7.80975E-02	.1669	
4.15673E-03	5.12154E-03	1.78309E-02	2.14319E-02	
-6.24860E-02	-2.85527E-02	.122558	.217829	15
-7.43611E-02	-4.52037E-02	6.10938E-02	.138867	
-.109504	-5.45178E-02	3.40681E-02	.151732	
6.70767E-03	8.18133E-03	2.65575E-02	1.82466E-02	
-9.99384E-02	-4.22117E-02	8.68016E-02	.185698	16
-.122384	-6.92694E-02	6.74143E-04	.125338	
-6.62443E-02	-6.10870E-02	1.88914E-02	.135745	
6.56635E-03	7.48204E-03	2.69203E-02	1.53303E-02	
-5.62222E-02	-5.30088E-02	5.07847E-02	.157989	17
-7.78845E-02	-7.52533E-02	-1.87698E-02	.109598	
-5.03107E-02	3.30556E-02	.163742	.250129	
7.51247E-03	1.52612E-02	2.43798E-02	2.65269E-02	
-3.75612E-02	6.53688E-02	.191459	.300953	18
-6.30080E-02	1.04728E-02	.115772	.217699	
-8.64328E-03	3.25353E-02	2.21147E-02	4.78203E-02	
3.83218E-02	2.40795E-02	2.42275E-02	1.89776E-02	
6.89236E-02	7.83773E-02	5.62655E-02	7.17429E-02	19
-5.21768E-02	-1.94174E-04	-2.52946E-02	1.26843E-02	
-6.53047E-02	-7.12467E-02	4.04624E-02	6.66696E-02	
9.49698E-03	8.31758E-03	3.45667E-02	1.01695E-02	
-4.87839E-02	-6.14643E-02	9.16299E-02	8.28002E-02	20
-7.65796E-02	-8.56602E-02	-9.76554E-03	5.30107E-02	

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HONEYWELL CP DATA, RUN NO. 42

				LOCATION NUMBER
.419506	.477216	.666948	.739918	
1.92098E-02	5.47402E-03	4.86661E-02	1.81963E-03	1
.442783	.484983	.729074	.743158	
.388908	.46969	.600183	.737137	
-5.75362E-02	-5.83154E-02	2.96193E-02	.631724	
3.38233E-03	2.94822E-03	1.30192E-02	1.17785E-02	2
-5.18828E-02	-5.44861E-02	5.05536E-02	.654651	
-6.32378E-02	-6.42399E-02	1.10527E-02	.613468	
-9.27245E-02	-8.84438E-02	-7.40371E-02	-8.93951E-02	
2.05714E-02	5.70323E-02	1.55173E-02	5.24051E-03	3
-4.57221E-02	-7.47162E-02	-4.80173E-02	-8.19413E-02	
-.114698	-9.41034E-02	-9.19876E-02	-9.72343E-02	
-3.89816E-02	-5.01632E-02	-5.46008E-02	-4.45999E-02	
3.59906E-02	1.34771E-02	2.83182E-02	1.73733E-02	4
1.93878E-02	-2.54656E-02	-8.75807E-03	-1.67956E-02	
-8.38942E-02	-7.03812E-02	-.104671	-7.02608E-02	
-.136055	-.139742	-6.93402E-03	.395188	
3.49894E-03	2.84380E-03	1.72910E-02	1.95159E-02	5
-.129314	-.135768	2.73604E-02	.440669	
-.142843	-.144919	-3.72663E-02	.368178	
-.11715	-.119475	-3.15405E-02	.13735	
3.20152E-03	4.46087E-03	2.77792E-02	3.25934E-02	6
-.113006	-.113731	8.87838E-03	.189238	
-.121704	-.126736	-7.33848E-02	.102899	
-.101217	-.107735	-2.61771E-02	.116241	
1.17671E-02	5.99183E-03	2.95711E-02	1.85314E-02	7
-8.40150E-02	-9.78364E-02	1.32271E-02	.135291	
-.118925	-.120114	-8.03910E-02	7.02661E-02	
-.110905	-.109517	-2.09103E-02	8.60407E-02	
4.35381E-03	6.82799E-03	2.87075E-02	8.85194E-03	8
-.102376	-9.81976E-02	5.47815E-02	.101815	
-.116147	-.117826	-4.56013E-02	7.20724E-02	
-6.00004E-02	-3.65681E-02	8.40749E-02	.187974	
1.22896E-02	2.08048E-02	3.66591E-02	2.26443E-02	9
-3.62999E-02	-9.00480E-04	.147554	.212479	
-7.64047E-02	-7.15854E-02	3.18299E-02	.133606	
-.106399	-9.38746E-02	-2.04392E-02	8.59685E-02	
4.93820E-03	9.73202E-03	2.84683E-02	2.90937E-02	10
-9.76651E-02	-7.42346E-02	1.12943E-02	.135412	
-.114335	-.105061	-5.73187E-02	5.19627E-02	
-8.74577E-02	-7.57398E-02	-1.01110E-02	.106331	
6.14831E-03	8.87936E-03	3.65828E-02	2.74623E-02	11
-7.58007E-02	-6.26745E-02	4.22185E-02	.153474	
-9.48867E-02	-8.74805E-02	-6.54121E-02	6.70148E-02	
-6.83717E-02	-4.25046E-02	4.89206E-03	.116831	
9.33761E-03	1.27456E-02	3.44444E-02	1.84360E-02	12
-5.79227E-02	-2.40206E-02	6.37205E-02	.141794	
-8.40150E-02	-5.96641E-02	-3.76287E-02	8.01403E-02	
-3.23861E-02	-2.45023E-02	4.19407E-02	.138266	
1.05915E-02	5.63352E-03	3.69563E-02	3.05758E-02	13
-1.09324E-02	-1.23401E-02	9.41615E-02	.181772	
-5.21244E-02	-3.14865E-02	-1.22612E-02	8.19466E-02	
-7.00387E-02	-5.05967E-02	4.47190E-02	.14531	
1.19328E-02	1.02544E-02	3.17020E-02	3.86047E-02	14
-5.56275E-02	-3.77482E-02	.102738	.193694	
-9.50076E-02	-6.65279E-02	8.87838E-03	8.60407E-02	
-5.70650E-02	-2.93310E-02	8.33743E-02	.167973	
6.94418E-03	6.87698E-03	3.25861E-02	1.97771E-02	15
-4.47558E-02	-1.61935E-02	.127864	.191165	
-6.55330E-02	-3.81094E-02	3.15883E-02	.1206	
-9.64692E-02	-5.30773E-02	5.60498E-02	.121781	
1.03460E-02	1.24733E-02	3.21700E-02	3.34603E-02	16
-8.42566E-02	-2.82352E-02	.121703	.18671	
-.122187	-7.06221E-02	2.18037E-02	6.97844E-02	
-5.64611E-02	-3.38105E-02	9.36058E-02	.12095	
9.02918E-03	8.22978E-03	5.80667E-02	3.82617E-02	17
-4.41518E-02	-2.30573E-02	.183069	.199233	
-7.30224E-02	-4.46119E-02	3.43667E-02	7.38786E-02	
-2.40511E-02	8.14769E-02	.20637	.285151	
2.04727E-02	3.44341E-02	5.30697E-02	3.82247E-02	18
3.68409E-03	.1377	.31051	.323865	
-5.55067E-02	4.37743E-02	.119408	.214285	
3.49344E-02	1.88479E-02	5.36701E-02	3.11425E-02	
5.27332E-02	2.15775E-02	4.14576E-02	2.13126E-02	19
.113731	5.31669E-02	.110832	7.29153E-02	
-2.03546E-02	-5.23550E-03	-2.42202E-02	9.33498E-03	
-6.10997E-02	-6.08081E-02	2.67323E-02	9.78778E-02	
8.98625E-03	9.36370E-03	2.81696E-02	1.90792E-02	20
-4.78965E-02	-4.60569E-02	5.75598E-02	.127585	
-7.38680E-02	-7.38733E-02	-1.97506E-02	5.37689E-02	

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.398233	.478312	.682047	.73297	
2.80972E-02	7.90438E-03	2.36173E-02	1.92571E-03	
.437468	.491004	.718806	.73509	1
.333099	.469449	.641737	.730032	
-5.06144E-02	-5.37275E-02	4.59753E-02	.647209	
-3.38890E-03	2.17084E-02	1.47477E-02	2.05642E-02	
-4.52390E-02	-5.00307E-02	6.60156E-02	.668619	2
-5.67147E-02	-5.70149E-02	2.16829E-02	.606364	
-7.24909E-02	-7.21634E-02	-6.28875E-02	-6.00374E-02	
1.39364E-02	3.07592E-03	1.43523E-02	1.64016E-02	
-4.41518E-02	-6.79729E-02	-4.06486E-02	-3.12456E-02	3
-8.76389E-02	-7.60408E-02	-7.94247E-02	-7.82084E-02	
-2.54644E-02	-1.83851E-02	-1.78805E-03	-1.86259E-02	
2.96100E-02	1.50855E-02	2.69019E-02	1.40296E-02	
1.72134E-02	1.31883E-02	3.09843E-02	-1.74340E-03	4
-6.66201E-02	-3.91932E-02	-5.17620E-02	-4.07586E-02	
-9.95616E-02	-.126014	-3.39444E-02	.379461	
5.49534E-03	2.68433E-03	1.70270E-02	2.85594E-02	
-9.28332E-02	-.123846	-5.61733E-03	.434528	5
-.112886	-.132276	-5.61107E-02	.342048	
-.114082	-.126761	-3.03325E-02	9.57343E-02	
3.93882E-03	2.40714E-03	1.01732E-02	1.08899E-02	
-.110107	-.122522	-1.87843E-02	.116868	6
-.123637	-.130229	-4.99501E-02	7.92974E-02	
-.123045	-.131312	6.71753E-02	.164649	
9.12550E-03	4.95952E-03	2.77080E-02	1.65159E-02	
-.106967	-.123004	.117475	.180568	7
-.136562	-.137574	2.86892E-02	.129632	
-.11721	-.126652	-2.35920E-02	.145419	
4.08480E-03	7.49092E-03	2.77539E-02	2.85536E-02	
-.110107	-.118669	7.79120E-03	.190804	8
-.121704	-.138899	-7.45928E-02	.100611	
-6.42042E-02	-7.27534E-02	.105758	.220619	
1.12027E-02	9.84796E-03	4.27705E-02	1.89105E-02	
-4.94669E-02	-6.00253E-02	.169902	.247039	9
-8.23238E-02	-8.98888E-02	4.04066E-02	.19538	
-.110518	-.118921	4.22767E-03	.119384	
6.20877E-03	2.99306E-03	2.44315E-02	2.66101E-02	
-9.83899E-02	-.111684	3.03804E-02	.155521	10
-.117959	-.121679	-4.71717E-02	7.80932E-02	
-9.42345E-02	-9.19720E-02	2.13205E-02	8.83046E-02	
7.60198E-03	6.06887E-03	3.35520E-02	1.29813E-02	
-7.91831E-02	-8.03758E-02	8.46185E-02	.115784	11
-.105517	-.100365	-1.67307E-02	7.24336E-02	
-7.55591E-02	-4.99103E-02	4.37043E-02	.162939	
1.62191E-02	1.93576E-02	3.72364E-02	2.10233E-02	
-5.04332E-02	-1.75181E-02	9.39199E-02	.18093	12
-9.41620E-02	-7.26691E-02	-1.84219E-02	.12048	
-3.45242E-02	-3.88440E-02	.130981	.192478	
1.08107E-02	1.01515E-02	4.42396E-02	2.91063E-02	
-1.20196E-02	-2.17327E-02	.198651	.233191	13
-4.63261E-02	-5.28003E-02	5.74390E-02	.133244	
-7.52209E-02	-7.72209E-02	4.52264E-02	.183543	
6.48086E-03	4.26425E-03	3.18691E-02	1.59017E-02	
-6.52913E-02	-7.27895E-02	9.40407E-02	.222112	14
-8.40150E-02	-8.68784E-02	-4.65095E-03	.165396	
-7.70812E-02	-3.86392E-02	.161156	.238802	
6.70952E-03	5.49783E-03	3.00870E-02	1.57358E-02	
-6.85529E-02	-2.82352E-02	.213509	.261007	15
-9.06588E-02	-4.58161E-02	.121462	.208144	
-7.18990E-02	-6.27708E-02	6.89148E-02	.182447	
7.48912E-03	3.81457E-03	2.11711E-02	1.92885E-02	
-5.73187E-02	-5.62924E-02	9.17455E-02	.207903	16
-8.36526E-02	-7.05016E-02	2.18037E-02	.145406	
-4.27626E-02	-6.21567E-02	9.14073E-02	.161121	
1.85671E-02	6.64884E-03	3.09513E-02	2.10649E-02	
-5.37573E-03	-5.19574E-02	.156855	.196825	17
-6.55330E-02	-7.60408E-02	4.74128E-02	.131438	
-9.43532E-02	-8.75046E-02	.147071	.29193	
4.17326E-03	4.27055E-03	3.70413E-02	4.49359E-02	
-7.86999E-02	-8.07371E-02	.22414	.350838	18
-9.15044E-02	-9.38626E-02	9.50071E-02	.221149	
7.22367E-02	.100683	.112692	.108402	
3.66211E-02	1.53481E-02	2.35936E-02	1.85993E-02	
.143326	.127705	.157218	.135773	19
2.61524E-02	7.23132E-02	7.33843E-02	8.76062E-02	
-5.37914E-02	-5.16082E-02	.104502	.162783	
5.42285E-03	3.76152E-03	3.66153E-02	1.47733E-02	
-4.52390E-02	-4.42507E-02	.154439	.178882	20
-6.44459E-02	-5.55699E-02	4.11313E-02	.142757	

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.444217	.522254	.700968	.761234	
2.16902E-02	6.99551E-03	3.16322E-02	2.12203E-03	1
.468372	.535367	.735498	.766138	
.41265	.511951	.63867	.758593	
-5.97717E-02	-6.77084E-02	4.77441E-02	.668691	
2.75153E-03	2.47287E-03	1.31109E-02	1.10923E-02	2
-5.66137E-02	-6.43262E-02	7.20555E-02	.683664	
-6.41824E-02	-7.26516E-02	1.98571E-02	.650492	
-8.61580E-02	-7.52663E-02	-5.54783E-02	-5.74447E-02	
1.17736E-02	8.13005E-02	1.93275E-02	8.81087E-03	3
-6.50959E-02	-6.48465E-02	-1.17230E-02	-3.98702E-02	
-.103723	-8.90424E-02	-7.60576E-02	-7.08304E-02	
-1.64208E-02	-1.74435E-02	3.31016E-03	-3.44631E-03	
1.58149E-02	1.43234E-02	1.41530E-02	2.37849E-02	4
1.09833E-02	4.09864E-03	2.03791E-02	4.53356E-02	
-4.25201E-02	-3.93498E-02	-2.86875E-02	-2.93333E-02	
-.109608	-.137096	-3.79658E-02	.396188	
8.06404E-03	1.82983E-03	1.20609E-02	2.47957E-02	5
-.101765	-.133922	-1.74648E-02	.425835	
-.12395	-.139515	-5.36122E-02	.352727	
-.128269	-.138982	-3.63607E-02	.121084	
4.49414E-03	2.53526E-03	1.66854E-02	1.93485E-02	6
-.120818	-.135483	-6.89463E-03	.149534	
-.135172	-.143028	-5.87016E-02	8.55320E-02	
-.122057	-.138358	7.98722E-02	.200046	
8.53856E-03	4.67382E-03	2.37663E-02	1.54376E-02	7
-.108029	-.132231	9.98512E-02	.222512	
-.135694	-.14576	2.33805E-02	.175031	
-.127564	-.138722	-3.61918E-03	.127693	
3.35337E-03	3.97360E-03	2.26581E-02	1.74502E-02	8
-.12134	-.132491	4.45208E-02	.158119	
-.131649	-.145629	-3.37768E-02	.108687	
-7.17773E-02	-6.87881E-02	6.57656E-02	.180611	
7.87809E-02	6.55397E-02	1.37183E-02	2.05338E-02	9
-5.36122E-02	-5.74317E-02	8.99335E-02	.206641	
-7.99724E-02	-7.96762E-02	4.28244E-02	.154217	
-.122345	-.13279	4.60208E-03	.111146	
4.98491E-03	2.37163E-03	1.96203F-02	1.69591E-02	10
-.114815	-.128848	3.42116E-02	.12768	
-.130996	-.135353	-1.25060E-02	7.22633E-02	
-.106933	-.102988	3.07274E-02	.117338	
8.36941E-03	4.09542E-03	1.80810E-02	2.57404E-02	11
-9.56320E-02	-9.63272E-02	6.39648E-02	.166965	
-.119252	-.108555	2.76208E-03	8.13692E-02	
-8.70193E-02	-5.03941E-02	4.42729E-02	.171518	
1.02671E-02	1.34936E-02	2.87665E-02	1.93947E-02	12
-6.39214E-02	-2.46502E-02	8.65406E-02	.215877	
-9.75894E-02	-7.38224E-02	-7.61314E-04	.150575	
-3.66608E-02	-4.36817E-02	.115889	.197262	
7.55872E-03	4.69276E-03	1.61778E-02	2.08802E-02	13
-2.81655E-02	-3.66180E-02	.136782	.237602	
-4.66959E-02	-5.26185E-02	9.05860E-02	.166055	
-8.21517E-02	-8.71431E-02	6.80232E-02	.176501	
5.00965E-03	2.46784E-03	3.33714E-02	3.27306E-02	14
-7.50136E-02	-8.26682E-02	.125428	.230577	
-9.05427E-02	-9.04733E-02	2.28585E-02	.133143	
-8.46703E-02	-4.55029E-02	.143815	.235963	
7.29178E-03	6.24499E-03	2.10452E-02	1.27172E-02	15
-7.61881E-02	-3.53172E-02	.174103	.255553	
-.102679	-5.31389E-02	.114597	.21952	
-8.16559E-02	-7.24825E-02	.102761	.174757	
5.46503E-03	4.65218E-03	3.46465E-02	1.97670E-02	16
-7.14902E-02	-6.44563E-02	.142915	.208853	
-8.85852E-02	-8.04567E-02	5.57435E-02	.146022	
-4.47254E-02	-6.85149E-02	.101378	.189496	
9.22303E-03	2.97173E-03	2.41956E-02	1.65618E-02	17
-2.46421E-02	-6.13342E-02	.135216	.212625	
-5.87016E-02	-7.25215E-02	5.78314E-02	.164884	
-9.28394E-02	-9.60280E-02	.157191	.267807	
6.18723E-03	3.03903E-03	3.26534F-02	2.62582E-02	18
-8.25824E-02	-9.26848E-02	.204118	.319035	
-.101374	-.102961	.109638	.238512	
5.57044E-02	.102612	.116294	.123842	
1.86400E-02	2.30042E-02	3.73936E-02	1.42095E-02	19
8.53661E-02	.134054	.185326	.140688	
2.19450E-02	6.99217E-02	4.63478E-02	9.90608E-02	
-6.45348E-02	-6.25960E-02	.109873	.174966	
7.57054E-03	3.80507E-03	3.40675E-02	2.25002E-02	
-5.15243E-02	-5.78219E-02	.163272	.20482	20
-7.59271E-02	-6.71880E-02	6.54002E-02	.132753	

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.112457	.326515	.478603	.612923	
3.21280E-02	2.06225E-02	1.12538E-02	1.68293E-02	1
.161184	.359491	.500996	.633321	
7.38824E-02	.302124	.465762	.585709	
-.398409	-.400727	-.403355	4.61682E-02	
7.04973E-03	7.57061E-03	9.03239E-03	3.35307E-02	2
-.388857	-.39123	-.392902	9.29468E-02	
-.41326	-.416727	-.419132	9.76593E-04	
-.396974	-.391425	-.388805	-.391451	
3.05280E-02	1.27906E-02	2.66468E-02	1.00162E-02	3
-.364976	-.37523	-.35297	-.37614	
-.467415	-.417117	-.439228	-.406841	
-2.10013E-02	-1.15680E-03	5.99324E-02	-1.91130E-03	
3.64399E-02	3.41769E-02	3.52292E-02	2.69984E-02	4
5.82229E-02	3.40182E-02	.108594	4.66365E-02	
-7.71015E-02	-6.38058E-02	-2.24237E-02	-3.47968E-02	
-.385451	-.386781	-.418323	-.350696	
7.70284E-03	2.30885E-03	1.29373E-02	8.63891E-03	5
-.371762	-.382515	-.398513	-.338416	
-.393424	-.39058	-.435313	-.362742	
-.345388	-.352647	-.384798	-.410158	
1.58077E-02	8.99657E-03	1.44119E-02	1.18374E-02	6
-.328829	-.333212	-.367194	-.400336	
-.37646	-.363132	-.407648	-.434419	
-.200995	-.179178	2.14361E-02	.12578	
7.38912E-03	1.15471E-02	3.52977E-02	4.34615E-02	7
-.18985	-.164362	7.06201E-02	.190901	
-.213861	-.202737	-2.93400E-02	4.63763E-02	
-.25806	-.273646	-.291546	-.276976	
1.74134E-02	1.42152E-02	1.66463E-02	1.92537E-02	8
-.237612	-.244624	-.262667	-.254251	
-.289158	-.289764	-.315518	-.309537	
-8.40048E-02	-7.55265E-02	.144481	.256217	
1.08431E-02	1.30932E-02	3.04526E-02	2.07840E-02	9
-6.95328E-02	-6.13342E-02	.206858	.287684	
-9.98079E-02	-9.68475E-02	8.15817E-02	.226544	
-.16807	-.171438	-.15981	-.136133	
2.37809E-02	7.03680E-03	2.39232E-02	1.46102E-02	10
-.123819	-.16202	-.129691	-.113628	
-.209686	-.186606	-.194418	-.158248	
-.120191	-.124647	-4.71266E-02	6.07593E-03	
1.79793E-02	9.59799E-03	3.04167E-02	2.35911E-02	11
-8.88462E-02	-.114019	-1.18535E-02	4.22136E-02	
-.145482	-.144979	-9.22391E-02	-2.67316E-02	
-3.44424E-02	7.91013E-03	.159136	.299353	
2.27651E-02	2.39542E-02	8.05469E-02	1.97817E-02	12
4.71952E-03	5.37912E-02	.356537	.331523	
-6.67924E-02	-3.45367E-02	6.91846E-02	.262708	
-3.86052E-02	-7.51493E-02	.214492	.3012	
1.73945E-02	6.23413E-02	3.98918E-02	3.05356E-02	13
-1.49854E-02	-6.80986E-02	.29677	.345572	
-7.16207E-02	-8.50097E-02	.172538	.247878	
-7.97245E-02	-7.92340E-02	2.30673E-02	4.21486E-02	
1.36341E-02	7.93978E-03	2.30328E-02	1.82212E-02	14
-5.89626E-02	-6.04236E-02	5.40471E-02	7.51251E-02	
-.103723	-8.78716E-02	-1.60294E-02	1.48957E-02	
-8.67974E-02	-4.43451E-02	.214492	.308134	
9.48341E-03	5.84665E-03	5.16855E-02	2.98995E-02	15
-7.64491E-02	-3.42765E-02	.311907	.336857	
-.106855	-5.14477E-02	.145786	.254773	
-8.09773E-02	-7.01280E-02	.217506	.296426	
1.50110E-02	4.01183E-03	4.48857E-02	2.41627E-02	16
-6.11810E-02	-6.30253E-02	.282415	.334125	
-.112988	-7.52533E-02	.148135	.258025	
-4.32509E-02	-6.77214E-02	8.70365E-02	.107191	
1.36406E-02	6.09295E-03	4.10384E-02	1.72333E-02	17
-2.02052E-02	-6.12041E-02	.155182	.122086	
-7.05767E-02	-7.98063E-02	2.95138E-02	7.85074E-02	
-.107951	-.111521	.165321	.237133	
1.43443E-02	3.33139E-03	4.94289E-02	5.23822E-02	18
-8.21909E-02	-.106994	.228129	.35793	
-.138696	-.117531	7.83193E-02	.176982	
7.69491E-02	.142106	.135268	.152812	
3.94500E-02	3.15898E-02	4.05068E-02	2.66563E-02	19
.135346	.18908	.198115	.198706	
9.54788E-03	9.51583E-02	5.87449E-02	.115712	
-5.22812E-02	-3.41074E-02	.30336	.405724	
6.84664E-03	7.34864E-03	3.33421E-02	1.75006E-02	20
-4.44775E-02	-2.03574E-02	.359277	.428697	
-6.32690E-02	-4.23418E-02	.257621	.373411	

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HONEYWELL CP DATA, RUN NO. 46   LOCATION NUMBER

				Location
.108089	.298204	.457557	.606496	**1**
4.73155E-02	4.12881E-02	8.08250E-03	1.85584E-02	
.203	.369985	.477331	.632374	
5.68350E-02	.251855	.449306	.572526	
-.383895	-.387283	-.396627	1.91129E-02	**2**
7.66190E-03	5.65257E-03	1.31694E-02	4.03123E-02	
-.372238	-.379733	-.382627	5.25648E-02	
-.398813	-.396592	-.423456	-5.87007E-02	
-.365425	-.379203	-.367358	-.394725	**3**
3.91934E-02	2.70929E-02	4.90905E-02	1.52751E-02	
-.31353	-.336022	-.299639	-.371424	
-.42551	-.419952	-.464407	-.417303	
2.22265E-02	-6.92134E-03	4.29554E-02	2.00280E-02	**4**
6.14536E-02	2.21199E-02	5.76938E-02	4.61233E-02	
.167123	2.58321E-02	.137407	.109763	
-3.88367E-02	-3.24498E-02	-6.00971E-02	-4.35282E-02	
-.362719	-.37134	-.380416	-.332397	**5**
6.12487E-03	5.85399E-03	1.39008E-02	1.79194E-02	
-.355085	-.36721	-.360883	-.310373	
-.374533	-.386115	-.404853	-.363597	
-.339248	-.345005	-.363976	-.407863	**6**
1.98164E-02	1.24926E-02	2.44792E-02	1.72404E-02	
-.314376	-.327592	-.346387	-.383586	
-.37852	-.371665	-.427563	-.430429	
-.179409	-.168919	-2.62737E-02	9.19412E-02	**7**
1.24644E-02	9.61587E-03	3.82284E-02	5.14392E-02	
-.1635	-.154312	3.26755E-02	.154076	
-.204329	-.184176	-7.25392E-02	1.82459E-02	
-.241946	-.270454	-.257058	-.272188	**8**
2.98323E-02	1.80014E-02	4.73893E-02	1.28229E-02	
-.194786	-.251007	-.187539	-.255462	
-.282727	-.303991	-.336724	-.300499	
-7.70329E-02	-7.51859E-02	.177596	.246123	**9**
1.61891E-02	6.77521E-03	6.35972E-02	3.70115E-02	
-4.65677E-02	-6.30358E-02	.306282	.311221	
-.109141	-8.53130E-02	5.52647E-02	.200919	
-.154537	-.163765	-.178442	-.114647	**10**
2.07319E-02	1.52617E-02	3.84056E-02	2.54527E-02	
-.125086	-.140825	-.107691	-5.82191E-02	
-.195028	-.184416	-.241414	-.143956	
-8.84362E-02	-.107	-3.33404E-02	-2.21662E-02	**11**
2.61015E-02	1.47903E-02	5.94665E-02	2.78814E-02	
-5.12788E-02	-9.07317E-02	5.04327E-02	1.51150E-02	
-.124241	-.137213	-.110107	-7.68838E-02	
-5.35158E-03	1.67166E-02	.188033	.272663	**12**
5.79320E-02	2.11403E-02	3.70875E-02	3.86928E-02	
8.06321E-02	4.72664E-02	.251198	.353969	
-9.16252E-02	-3.01619E-02	.135837	.2185	
-2.95232E-02	-5.29448E-02	.198035	.330704	**13**
1.43471E-02	1.64507E-02	6.97744E-02	5.48710E-02	
-2.11420E-03	-2.95598E-02	.310872	.386482	
-4.69301E-02	-7.68838E-02	.113248	.240777	
-9.16977E-02	-6.77923E-02	3.42942E-02	2.98900E-03	**14**
1.81798E-02	6.65836E-03	4.26220E-02	1.81476E-02	
-6.21506E-02	-5.85803E-02	9.88726E-02	2.12563E-02	
-.120013	-8.07371E-02	-2.66361E-02	-3.17273E-02	
-8.61652E-02	-3.27870E-02	.198144	.332872	**15**
1.51630E-02	1.57490E-02	5.78381E-02	3.20355E-02	
-6.74657E-02	-1.18584E-02	.322711	.372152	
-.116872	-5.20778E-02	.123999	.266305	
-7.83496E-02	-7.41744E-02	.243793	.306127	**16**
1.09274E-02	4.53779E-03	8.28595E-02	3.26025E-02	
-5.75603E-02	-6.52033E-02	.33781	.356377	
-9.01757E-02	-8.20617E-02	.107208	.230301	
-4.74737E-02	-6.55525E-02	6.82987E-02	.133124	**17**
2.38137E-02	8.22085E-03	4.05843E-02	2.56701E-02	
-3.56377E-03	-5.46066E-02	.162654	.172621	
-8.63101E-02	-8.35067E-02	2.14413E-02	8.59203E-02	
-.107148	-.106037	.181462	.264463	**18**
1.15264E-02	5.42408E-03	8.11609E-02	5.11156E-02	
-8.66725E-02	-.100245	.355326	.356618	
-.125569	-.117464	7.58003E-02	.197306	
7.72981E-02	.118505	.188553	.198739	**19**
4.76016E-02	3.45977E-02	5.33143E-02	4.79553E-02	
.163862	.173584	.253252	.268232	
9.84476E-03	7.05069E-02	.107691	.104465	
-4.69543E-02	-2.99210E-02	.286664	.387517	**20**
1.74333E-02	5.44562E-03	5.19184E-02	1.12273E-02	
-2.38578E-02	-1.96856E-02	.367768	.408398	
-7.88207E-02	-3.79890E-02	.179565	.371189	

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				LOCATION NUMBER
.299107	.528333	.669605	.746806	
2.72242E-02	1.51587E-02	1.72087E-02	2.41401E-03	1
.353876	.546034	.698512	.750383	
.262916	.502444	.641012	.74388	
-.200114	-.200287	.459127	.619598	
6.66217E-03	7.08954E-03	8.56381E-02	1.22416E-02	2
-.192733	-.190798	.572278	.635986	
-.216168	-.211871	.33177	.598898	
.160032	.188973	.184156	.185638	
2.69588E-02	4.08412E-02	4.22729E-02	1.84436E-02	3
.194303	.235719	.262795	.211395	
.111919	.122888	.135112	.156244	
.223717	.269508	.282485	.259839	
2.05170E-02	1.60086E-02	4.34873E-02	1.94415E-02	4
.258205	.295326	.354963	.291593	
.191645	.247039	.205899	.23596	
-.177222	-.187692	.281905	.587952	
7.23115E-03	6.08487E-03	4.54896E-02	2.27940E-02	5
-.167245	-.180081	.355084	.607688	
-.193337	-.197542	.197081	.545553	
-.123697	-.12304	7.89289E-02	.287884	
9.80542E-03	5.93422E-03	4.04485E-02	2.43157E-02	6
-.108295	-.11614	.126052	.311341	
-.136924	-.132637	1.89046E-02	.245353	
-1.90259E-02	-4.41664E-02	.420665	.5568	
1.75824E-02	4.33103E-02	3.10608E-02	2.71752E-02	7
1.97502E-02	-3.77482E-02	.4574	.597332	
-4.00446E-02	-5.15961E-02	.371754	.512559	
-5.60262E-02	-5.90379E-02	8.15623E-02	.245485	
1.17699E-02	6.64907E-03	4.56248E-02	2.36187E-02	8
-2.89313E-02	-4.96695E-02	.183672	.284248	
-6.73449E-02	-7.21875E-02	3.36419E-02	.202484	
2.04508E-02	4.65680E-02	.278885	.499481	
9.04690E-03	7.04448E-02	4.01798E-02	2.99576E-02	9
3.08635E-02	5.88265E-02	.351219	.548322	
7.18721E-03	3.77534E-02	.224623	.456324	
-5.54485E-03	-6.60826E-03	.16153	.249736	
9.25722E-03	2.57766E-03	3.55199E-02	1.53430E-02	10
7.54961E-03	-1.26173E-03	.203725	.271724	
-1.93883E-02	-9.93177E-03	.103342	.225966	
1.05333E-02	7.54077E-03	.159501	.26533	
1.32757E-02	6.04258E-03	2.98068E-02	2.42068E-02	11
3.95610E-02	1.34292E-02	.202155	.305682	
-6.46291E-03	-1.02090E-03	.114335	.217898	
3.05253E-02	.114038	.307611	.381195	
2.25572E-02	1.49802E-02	4.21166E-02	2.62336E-02	12
6.20293E-02	.135532	.396397	.418994	
-1.38941E-03	9.19412E-02	.244917	.324587	
3.11414E-02	2.77588E-02	.276675	.420716	
9.78288E-03	9.94057E-03	4.25053E-02	3.50083E-02	13
4.69296E-02	4.02822E-02	.320174	.478119	
1.89046E-02	1.24658E-02	.199497	.372513	
2.04750E-02	1.24297E-02	.216807	.315171	
9.23299E-03	4.26476E-03	3.46620E-02	3.45439E-02	14
2.96556E-02	2.01725E-02	.254943	.355053	
2.47611E-03	6.68581E-03	.151178	.265462	
-3.24465E-02	3.50561E-02	.28786	.407555	
5.34353E-03	9.94151E-03	2.39728E-02	3.91033E-02	15
-2.12002E-02	4.99156E-02	.314617	.450785	
-4.12526E-02	1.88479E-02	.24697	.351681	
-2.31934E-02	-8.54697E-03	.241208	.345444	
7.07942E-03	3.37211E-02	4.45039E-02	2.59547E-02	16
-1.02076E-02	-1.86382E-03	.311839	.395152	
-3.24344E-02	-1.17380E-02	.147312	.304959	
5.32594E-02	7.04706E-03	.234951	.31257	
1.24349E-02	6.16911E-03	1.84351E-02	2.08003E-02	17
7.47131E-02	1.57171E-02	.260983	.345901	
3.71450E-02	-2.10465E-03	.212302	.272687	
-5.79106E-02	-5.92667E-02	.302731	.557354	
4.98927E-03	3.88978E-03	5.17478E-02	2.68936E-02	18
-4.88629E-02	-5.46066E-02	.368855	.606966	
-6.61369E-02	-6.58054E-02	.225106	.506899	
.130485	.176233	.202807	.204483	
3.12871E-02	1.48288E-02	3.10290E-02	1.84584E-02	19
.189954	.200196	.238515	.230662	
9.24703E-02	.156605	.131488	.176354	
-5.73813E-03	-1.02087E-02	.255922	.377571	
1.05699E-02	4.28962E-03	2.81048E-02	1.81717E-02	20
1.41935E-02	-1.86382E-03	.298672	.406953	
-2.04754E-02	-1.59526E-02	.217375	.353006	

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.338781	.520697	.671989	.760525	
2.60671E-02	1.19099E-02	3.56730E-02	2.35850E-03	1
.37808	.548202	.717509	.764767	
.301342	.506952	.610913	.757588	
-.21085	-.201513	.56377	.682358	
8.00015E-03	4.66140E-03	4.22999E-02	1.38626E-02	2
-.198894	-.19744	.615496	.697801	
-.226394	-.212061	.476294	.658378	
.180146	.212989	.226582	.231213	
2.60397E-02	1.45032E-02	3.86929E-02	1.93514E-02	3
.210331	.233471	.289949	.265062	
.131759	.187652	.162926	.205144	
.265876	.276836	.302743	.260911	
4.22453E-02	1.37011E-02	3.40994E-02	1.46844E-02	4
.339842	.29848	.339711	.287253	
.206009	.259187	.23495	.24535	
-.195896	-.20167	.277247	.617088	
8.92637E-03	4.98906E-03	4.91998E-02	1.59547E-02	5
-.185537	-.196526	.320068	.641538	
-.213037	-.210886	.144724	.589583	
-.13097	-.132484	5.21013E-02	.301195	
1.47433E-02	5.74841E-03	3.40494E-02	1.16690E-02	6
-.106704	-.123163	.127307	.314536	
-.15424	-.141961	-1.32044E-02	.278246	
-2.06687E-02	-4.36646E-03	.378185	.561478	
8.30057E-03	4.02515E-03	5.69371E-02	2.29994E-02	7
-3.51397E-03	-3.70070E-02	.436354	.592194	
-2.94425E-02	-4.92778E-02	.306711	.535931	
-5.25555E-02	-6.82713E-02	.10972	.282175	
6.89363E-03	3.17426E-03	2.35939E-02	2.97237E-02	8
-4.09662E-02	-6.42898E-02	.150617	.328112	
-6.41447E-02	-7.32971E-02	7.45334E-02	.243914	
2.27026E-02	5.30914E-02	.270359	.422871	
1.00785E-02	3.53359E-03	2.57912E-02	4.30298E-02	9
3.95692E-02	5.77647E-02	.31889	.492201	
4.34315E-03	4.78437E-02	.242021	.375759	
-1.04806E-02	-5.59919E-03	.140023	.260088	
7.92837E-03	3.20638E-03	1.84559E-02	1.63776E-02	10
1.46221E-03	1.50216E-03	.168295	.286731	
-1.90973E-02	-9.20209E-03	.103212	.23308	
1.27888E-03	8.14663E-03	.180055	.27074	
7.00125E-03	7.07331E-03	3.70351E-02	3.19372E-02	11
7.35505E-03	1.84723E-02	.245295	.308792	
-1.12401E-02	-1.23917E-03	.114212	.217545	
2.60419E-02	.130136	.309815	.41419	
1.70741E-02	1.68459E-02	2.82985E-02	8.61012E-03	12
5.42359E-02	.159455	.351628	.4268	
6.96219E-03	.1075	.259961	.395862	
2.80062E-02	2.14747E-02	.316533	.447987	
6.84377E-03	7.74985E-03	3.10762E-02	2.45137E-02	13
3.74740E-02	3.67479E-02	.374021	.473142	
1.77003E-02	1.31202E-02	.271616	.400692	
1.22788E-02	7.75501E-03	.220218	.310333	
5.60748E-03	3.91476E-03	1.94268E-02	2.31786E-02	14
2.21526E-02	1.18148E-02	.247914	.341689	
6.43838E-03	3.27306E-04	.192521	.27681	
-4.29960E-02	2.48427E-02	.272415	.424842	
6.86413E-03	8.69083E-03	2.92703E-02	2.04398E-02	15
-3.21924E-02	3.59646E-02	.31614	.445467	
-5.11805E-02	1.15537E-02	.233247	.376804	
-3.17865E-02	-8.14472E-03	.248948	.362875	
4.96578E-03	4.67959E-03	2.80721E-02	2.02976E-02	16
-2.44463E-02	-2.02241E-03	.29139	.405261	
-3.99186E-02	-1.65123E-02	.197235	.342211	
3.46062E-02	1.04180E-02	.259005	.344443	
9.40529E-03	4.90810E-03	2.49823E-02	1.47064E-02	17
4.86049E-02	1.75585E-02	.312604	.365316	
1.52122E-02	3.32972E-03	.232592	.31545	
-6.88459E-02	-6.57258E-02	.293669	.470387	
2.97781E-03	1.21342E-03	3.90154E-02	3.43760E-02	18
-6.37519E-02	-6.35371E-02	.355164	.547419	
-7.31804E-02	-6.76839E-02	.212688	.434763	
.128459	.182783	.218856	.215261	
1.86539E-02	1.29574E-02	2.14787E-02	1.93852E-02	19
.15664	.203578	.268997	.242217	
8.60572E-02	.16546	.188855	.185955	
-8.55562E-03	-1.16823E-02	.293092	.35375	
4.25623E-03	3.80566E-03	2.77697E-02	1.72183E-02	20
-2.46635E-03	-6.72183E-03	.338271	.382156	
-1.63473E-02	-1.72955E-02	.242021	.328243	

				LOCATION NUMBER
.501779	.510117	.759144	.77674	1
1.74324E-02	1.89101E-03	1.09420E-02	1.92571E-03	
.541711	.513512	.768513	.779666	
.479203	.507398	.731191	.773553	
-8.68243E-03	.352337	.650258	.684496	2
5.17592E-03	1.61507E-02	2.00390E-02	5.02296E-03	
9.35135E-04	.378224	.681472	.691469	
-1.44634E-02	.32697	.613484	.676509	
.363114	.455078	.495737	.513213	3
2.45858E-02	1.31165E-02	2.17520E-02	1.42350E-02	
.407431	.483072	.524616	.531074	
.321695	.441965	.45728	.484113	
.296848	.316459	.323156	.289792	4
1.71345E-02	7.11751E-03	1.76874E-02	1.08203E-02	
.331743	.32723	.346489	.308758	
.27302	.304595	.284503	.278708	
-3.30200E-02	-1.19409E-02	.617268	.728569	5
9.13713E-03	6.64295E-03	1.29232E-02	6.94325E-03	
-1.73343E-02	-4.87724E-03	.635146	.741291	
-4.52605E-02	-2.62112E-02	.598868	.714884	
5.99839E-03	1.35168E-02	.276961	.582653	6
7.19070E-03	3.58454E-03	2.53245E-02	2.24648E-02	
1.99876E-02	1.77576E-02	.309558	.607954	
-1.93578E-03	7.61094E-03	.221213	.547074	
-3.58778E-02	-5.49991E-02	.274807	.470233	7
8.39888E-03	4.37344E-03	3.27384E-02	1.86926E-02	
-1.86393E-02	-4.87160E-02	.318041	.501024	
-4.40860E-02	-6.09440E-02	.218081	.437803	
2.48551E-02	4.44987E-03	.376333	.589378	8
7.34794E-03	2.86571E-03	1.94895E-02	1.09390E-02	
3.65606E-02	8.78170E-03	.406648	.607564	
1.28103E-02	6.59965E-05	.335788	.575303	
2.26105E-02	3.43174E-02	.243032	.38409	9
1.07742E-02	6.77967E-03	2.11957E-02	1.29014E-02	
4.25634E-02	4.59861E-02	.277196	.401899	
9.93937E-03	2.46521E-02	.200594	.360012	
-1.47896E-02	-1.37881E-02	.292933	.460958	10
3.43995E-03	2.93132E-03	2.15432E-02	1.64483E-02	
-9.37406E-03	-8.51963E-03	.313473	.488796	
-2.13797E-02	-1.72353E-02	.2494	.437412	
-1.17752E-02	1.15655E-02	.229421	.410121	11
2.58004E-03	4.70814E-03	2.07587E-02	1.04133E-02	
-6.89463E-03	1.90584E-02	.271193	.427526	
-1.56379E-02	4.35881E-03	.200855	.393053	
-9.66115E-03	5.98922E-03	.338672	.504289	12
4.25724E-03	9.26240E-03	2.53986E-02	1.43854E-02	
-3.11024E-03	7.64260E-02	.375981	.531074	
-1.78563E-02	4.63763E-02	.296639	.488536	
2.64993E-02	2.84246E-02	.250535	.363407	13
8.61153E-03	7.45704E-03	1.84654E-02	3.66315E-02	
3.82570E-02	3.88314E-02	.268974	.409574	
1.48982E-02	1.68470E-02	.205944	.318645	
-3.05360E-05	-7.01064E-03	.204209	.380266	14
3.55300E-03	1.66942E-03	2.73133E-02	1.71875E-02	
5.76349E-03	-4.87724E-03	.244441	.40268	
-5.19818E-03	-9.56031E-03	.167057	.353768	
-4.46080E-02	6.40114E-03	.240826	.376858	15
9.05607E-03	7.07494E-03	2.75275E-02	1.62640E-02	
-3.29939E-02	1.48957E-02	.281502	.406972	
-5.63527E-02	-5.13741E-03	.205292	.345702	
-3.18716E-02	-1.49849E-02	.215458	.358412	16
3.71394E-03	1.86201E-03	2.35759E-02	1.28590E-02	
-2.88180E-02	-1.24222E-02	.243788	.376402	
-4.03016E-02	-1.78858E-02	.185587	.337377	
4.25112E-02	-2.85234E-04	.1841	.294969	17
8.49997E-03	2.18099E-03	1.43445E-02	1.40017E-02	
5.73095E-02	4.35881E-03	.203857	.317864	
2.95138E-02	-2.53571E-03	.158966	.271944	
-6.41172E-02	-6.16334E-02	.267917	.516699	18
3.94013E-02	1.37548E-02	4.76083E-02	2.91106E-02	
-5.73966E-02	-5.91228E-02	.343879	.563595	
-6.96633E-02	-6.31554E-02	.195896	.485674	
.127816	.16556	.18423	.175057	19
1.06549E-02	1.84751E-02	1.80673E-02	1.17962E-02	
.140827	.205991	.20999	.192072	
.107811	.140428	.153746	.157859	
-1.62382E-02	-2.24257E-02	.286356	.383791	20
5.58084E-03	4.05199E-03	1.73448E-02	1.70531E-02	
-9.37406E-03	-1.68451E-02	.32052	.412826	
-2.73825E-02	-2.95934E-02	.261405	.364044	

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				LOCATION NUMBER
.467313	.49479	.745836	.758838	
2.63934E-02	4.93317E-03	8.34651E-03	3.67546E-03	1
.516439	.505095	.757928	.764051	
.439885	.487961	.730622	.754086	
-2.81619E-03	.304978	.638001	.663774	
3.14955E-03	1.95459E-02	1.20755E-02	1.13839E-02	2
2.86446E-03	.33108	.659919	.684821	
-7.00964E-03	.275668	.625299	.651646	
.334122	.413956	.444358	.469745	3
2.40270E-02	1.19930E-02	2.65827E-02	1.82490E-02	
.386004	.438746	.481088	.501935	
.30116	.400589	.405752	.443363	
.266259	.276567	.301611	.275971	
1.97942E-02	1.87823E-02	3.01940E-02	1.41346E-02	4
.2986	.315647	.357479	.296204	
.233382	.260235	.249961	.25829	
-3.70342E-02	-3.69149E-03	.607879	.72203	
1.09621E-02	3.71600E-03	1.82997E-02	8.77203E-03	5
-1.94437E-02	2.00773E-03	.64078	.737074	
-5.21135E-02	-1.01441E-02	.585314	.705357	
1.08613E-02	1.75135E-02	.28363	.571991	
8.10226E-03	5.02713E-03	1.85860F-02	1.43531E-02	6
2.33441E-02	2.59469E-02	.305304	.592224	
5.48317E-04	9.42036E-03	.244963	.543616	
-1.57744E-02	-4.79000E-02	.293126	.484923	
1.26193E-02	4.14165E-03	3.32551E-02	3.29086E-02	7
1.43233E-02	-4.18605E-02	.347361	.537662	
-2.99273E-02	-5.51060E-02	.237892	.425135	
2.56115E-02	6.33379E-03	.344411	.596294	
7.74084E-03	3.02900E-03	2.03741E-02	1.38531E-02	8
4.17513E-02	1.20938E-02	.380031	.611788	
1.71270E-02	2.25077E-03	.31335	.574482	
2.25639E-02	3.53281E-02	.260895	.398608	
7.96703E-03	4.31238E-03	4.06321E-02	2.08321E-02	9
3.45591E-02	4.25949E-02	.317982	.425135	
1.11538E-02	2.94709E-02	.212902	.351374	
-9.30140E-03	-9.63375E-03	.276377	.454822	
5.08659E-03	3.30936E-03	2.31883E-02	2.24073E-02	10
-2.74305E-03	-5.04035E-03	.306524	.489783	
-1.60304E-02	-1.36682E-02	.228262	.424285	
-4.71787E-03	9.82138E-03	.214755	.388838	
3.33669E-03	4.96570E-03	4.03465E-02	1.49929E-02	11
-6.11950E-05	1.98710E-02	.298722	.41906	
-9.20388E-03	1.88621E-03	.157802	.371667	
-5.27862E-03	6.19286E-02	.321615	.497293	
3.96400E-03	2.02722E-02	3.05104F-02	2.65360E-02	12
1.40163E-03	8.52480E-02	.37869	.524781	
-1.13981E-02	2.88633E-02	.262273	.450047	
3.08045E-02	2.13535E-02	.278791	.37462	
1.65642E-02	1.10440E-02	5.08967F-02	2.42673E-02	13
7.24708E-02	4.22304E-02	.374545	.401561	
1.19852E-02	6.98999E-03	.211074	.331809	
1.38944E-03	-4.22617E-03	.200932	.367779	
4.47966E-03	4.12509E-02	3.15473F-02	2.49448E-02	14
9.10627E-03	3.06470E-04	.259713	.404963	
-4.32778E-03	-1.35466E-02	.15829	.323181	
-3.89237E-02	4.70544E-03	.26415	.380818	
6.04718E-03	8.82132E-03	3.51595E-02	1.65426E-02	15
-3.00492E-02	2.32735E-02	.326637	.406057	
-4.68717E-02	-3.82516E-03	.22363	.355991	
-2.53803E-02	-8.72236E-03	.230005	.338468	
3.65280F-03	2.20296E-03	4.82434E-02	1.96545E-02	16
-2.04189E-02	-5.89098E-03	.312984	.367657	
-3.07806E-02	-1.31821E-02	.173406	.303738	
4.42138E-02	8.87353E-03	.18005	.275984	
1.13292E-02	5.02717E-03	2.35184E-02	1.20529E-02	17
5.93053E-02	1.71976E-02	.233504	.290736	
2.61478E-02	2.85836E-03	.157193	.252214	
-5.72578E-02	-5.38422E-02	.260457	.510296	
6.00416E-03	3.03920E-03	4.77559E-02	5.00328E-02	18
-4.71155E-02	-4.78149E-02	.342607	.576548	
-4.71075E-02	-5.66858E-02	.172918	.435829	
.131484	.172231	.173357	.177991	
2.65801E-02	2.41597E-02	2.22537E-02	2.24433E-02	19
.192057	.221592	.205466	.207617	
9.18532E-02	.130817	.134153	.143455	
-1.65058E-02	-1.62565E-02	.278608	.336305	
6.13812E-03	3.60150E-03	2.44724E-02	1.20707E-02	20
-9.10676E-03	-8.80742E-03	.310546	.360609	
-2.62702E-02	-2.19314E-02	.239721	.322452	

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HONEYWELL CP DATA, RUN NO. 51

				LOCATION NUMBER
.498423	.501119	.749332	.752671	
1.52056E-02	4.47199E-03	6.12217E-03	6.27177E-03	1
.532778	.510391	.756616	.762063	
.479023	.495218	.739221	.740027	
.374327	.601113	.622132	.684671	
3.19830E-02	1.26853E-02	1.26146E-02	6.46416E-03	2
.438555	.614913	.641133	.690535	
.325489	.572888	.605256	.668017	
.271831	.339326	.372093	.387493	
1.55176E-02	9.72011E-03	1.73772E-02	1.22403E-02	3
.29843	.354812	.401591	.403822	
.246608	.327116	.338656	.369744	
.228331	.240103	.238877	.234611	
2.11826E-02	1.36702E-02	3.11793E-02	1.64792E-02	4
.263157	.264619	.285988	.262091	
.200947	.217416	.181619	.201039	
.250993	.251193	.674087	.728985	
1.48230E-02	9.25687E-03	1.03543E-02	6.97180E-03	5
.276687	.263054	.691627	.741351	
.232354	.236201	.661306	.721483	
.158994	9.77694E-02	.387084	.645234	
6.97418E-03	4.92540E-03	1.92958E-02	1.88978E-02	6
.171714	.104585	.414517	.672473	
.146467	9.07370E-02	.36197	.621175	
-1.51483E-02	-4.64423E-02	.278994	.485609	
1.78520E-02	4.36177E-03	2.64560E-02	2.55481E-02	7
2.09581E-02	-4.09994E-02	.321623	.526407	
-4.54805E-02	-5.58107E-02	.221482	.441031	
7.84457E-02	7.04226E-02	.326781	.61672	
1.22885E-02	4.46075E-03	2.76266E-02	2.55306E-02	8
9.95974E-02	7.56849E-02	.362574	.642007	
5.79222E-02	6.28002E-02	.276928	.579149	
2.34103E-02	4.22691E-02	.204293	.362747	
1.29350E-02	8.79356E-03	2.21978E-02	3.06843E-02	9
4.60840E-02	6.15961E-02	.232596	.433565	
5.13366E-03	3.06488E-02	.17111	.333498	
1.42539E-02	1.06475E-02	.25876	.430434	
5.49075E-03	4.30814E-03	4.48393E-02	1.87801E-02	10
2.18037E-02	1.53558E-02	.360279	.451146	
5.61685E-03	1.98953E-03	.203846	.394429	
3.28545E-03	4.54240E-02	.366596	.485477	
9.81845E-03	3.97074E-03	1.90366E-02	1.51762E-02	11
2.27701E-02	5.07585E-02	.396639	.511956	
-9.36205E-03	4.00414E-02	.345783	.467161	
2.00280E-02	2.11720E-02	.172257	.320288	
5.45810E-03	3.80226E-03	2.80912E-02	2.64651E-02	12
2.98972E-02	3.08897E-02	.20904	.363482	
1.06903E-02	1.70417E-02	.125207	.26763	
1.81798E-02	2.31589E-02	.242525	.362013	
1.09676E-02	1.01690E-02	2.90297E-02	1.64311E-02	13
3.71450E-02	3.84760E-02	.291062	.3919	
1.14734E-03	7.88998E-03	.189471	.335184	
3.90488E-03	-2.82716E-03	.122658	.211829	
4.22713E-03	2.45460E-03	1.68928E-02	1.84614E-02	14
1.20191E-02	9.05778E-04	.153352	.239934	
-1.87260E-03	-6.07842E-03	9.97182E-02	.188757	
-4.07815E-02	1.29234E-02	.229153	.37379	
6.51190E-03	6.27649E-03	3.01788E-02	3.18954E-02	15
-3.08640E-02	2.13767E-02	.273425	.416706	
-5.29700E-02	4.63871E-03	.162533	.319289	
-1.95936E-02	-7.49934E-03	.2824	.366155	
2.66837E-03	3.53971E-03	1.44560E-02	2.08305E-02	16
-1.37108E-02	-1.50257E-03	.305678	.404906	
-2.32538E-02	-1.43872E-02	.268472	.340482	
1.86630E-02	-5.75594E-05	.218957	.274024	
5.49364E-03	3.51698E-03	2.75837E-02	1.52436E-02	
2.90516E-02	8.25123E-03	.264607	.298698	17
1.35895E-02	-3.42924E-03	.179082	.252578	
-5.72825E-02	-5.69908E-02	.214053	.486729	
6.77085E-03	2.34707E-03	2.83297E-02	4.81737E-02	
-4.69301E-02	-5.19574E-02	.24685	.55639	18
-6.66201E-02	-5.97845E-02	.156251	.398644	
.133227	.1689	.19121	.2336	
1.76531E-02	1.44828E-02	4.66794E-02	2.42036E-02	
.153956	.190683	.258688	.266667	19
.104671	.147935	.126777	.192249	
-1.09807E-02	-1.62416E-02	.181534	.258141	
3.61084E-03	2.99404E-03	1.97708E-02	2.78233E-02	
-5.49653E-03	-1.04134E-02	.211577	.294122	20
-1.72139E-02	-2.02877E-02	.1484	.216573	

LOCATION NUMBER

1
.521393	.519808	.765134	.777091
8.32267E-03	4.30602E-03	1.36217E-02	1.81963E-03
.534925	.526781	.777256	.780057
.503084	.513252	.729364	.773943

2
.423469	.628651	.657396	.705752
1.87651E-02	8.19438E-03	1.12875E-02	5.45888E-03
.449842	.642687	.672077	.715144
.400123	.618491	.638409	.699794

3
.266847	.343998	.376725	.388943
1.45331E-02	6.68202E-03	1.57142E-02	1.43866E-02
.297292	.358191	.407692	.414778
.24953	.336466	.357842	.37224

4
.210147	.233647	.268126	.212378
3.01586E-02	1.92255E-02	2.23548E-02	1.97756E-02
.26519	.267131	.295073	.229927
.156095	.209893	.237003	.170868

5
.259983	.250311	.671372	.748602
1.46590E-02	5.54165E-03	1.98181E-02	5.08194E-03
.283981	.261147	.692956	.757422
.237525	.244496	.631753	.741942

6
.157152	9.69144E-02	.421407	.667208
1.30210E-02	1.08614E-02	3.58891E-02	8.01462E-03
.174625	.107516	.494602	.681712
.140566	7.27836E-02	.385246	.656996

7
-1.35891E-02	-5.36462E-02	.269966	.47316
8.42486E-03	3.51693E-03	2.32321E-02	1.81032E-02
-3.76272E-03	-4.81956E-02	.31269	.493219
-3.19499E-02	-5.96431E-02	.241309	.4486

8
7.04374E-02	6.72420E-02	.34106	.616397
1.10165E-02	3.87899E-02	2.33859E-02	1.62712E-02
8.69321E-02	7.25234E-02	.385768	.643207
5.45690E-02	6.09459E-02	.318432	.594685

9
3.12102E-02	4.58430E-02	.234876	.356096
6.62971E-03	9.94710E-03	3.14974E-02	2.83967E-02
4.17804E-02	6.05556E-02	.291419	.394744
1.95961E-02	3.18068E-02	.19159	.293538

10
1.46894E-02	3.92953E-03	.212026	.45072
3.78254E-03	2.00024E-03	1.28969E-02	1.74143E-02
2.12925E-02	6.44017E-03	.238177	.485804
8.24292E-03	1.96082E-04	.192242	.430388

11
-3.31904E-03	3.97030E-02	.387582	.485804
5.69330E-03	3.05804E-03	2.65229E-02	7.34191E-03
4.06704E-03	4.29941E-02	.443317	.492308
-1.15925E-02	3.49288E-02	.356929	.467332

12
1.57073E-02	2.22455E-02	.171481	.326177
3.93197E-03	3.03277E-03	2.15693E-02	1.63696E-02
2.24670E-02	2.71237E-02	.214035	.346353
7.85143E-03	1.52860E-02	.149701	.299652

13
1.92437E-02	2.53806E-02	.254332	.364604
5.17666E-03	5.35702E-03	2.58541E-02	3.63238E-02
2.76868E-02	3.57093E-02	.300163	.413607
1.35933E-02	1.74974E-02	.22056	.31136

14
-5.83761E-03	-5.11139E-03	.122179	.200839
2.78068E-03	2.82723E-03	9.50090E-03	9.33523E-03
-2.45776E-03	1.23676E-03	.134955	.215357
-9.76554E-03	-7.99929E-03	.100243	.184006

15
-4.82750E-02	5.50356E-03	.233101	.344375
4.02823E-03	7.61446E-03	2.27246E-02	9.10268E-03
-4.19981E-02	1.99690E-02	.2601	.366386
-5.33512E-02	-6.69843E-03	.196549	.335296

16
-2.79567E-02	-1.36060E-02	.283446	.364942
3.10392E-03	3.34316E-03	2.58368E-02	9.40766E-03
-2.24237E-02	-8.64971E-03	.314387	.380565
-3.35158E-02	-1.87964E-02	.223562	.348954

17
1.46372E-02	-1.92431E-03	.238634	.307457
9.38051E-03	2.83669E-03	2.62034E-02	2.26245E-02
2.80783E-02	3.57830E-03	.266364	.343621
5.11101E-03	-5.52767E-03	.188067	.274286

18
-6.30732E-03	-5.86024E-02	.222517	.442096
6.71083E-03	2.54758E-03	2.82095E-02	3.72673E-02
-5.43952E-02	-5.43096E-02	.258404	.483593
-7.41001E-02	-6.28952E-02	.176322	.38811

19
.135203	.164312	.164212	.175993
2.68344E-02	1.99691E-02	2.35378E-02	2.16621E-02
.17045	.20495	.190807	.209633
9.90682E-02	.141989	.110943	.148493

20
-1.78955E-02	-2.15932E-02	.173477	.276874
2.54523E-03	1.78808E-03	2.25992E-02	7.46823E-03
-1.38109E-02	-1.90565E-02	.208163	.289896
-2.15102E-02	-2.42599E-02	.144089	.24557

Value 1	Value 2	Value 3	Value 4	LOCATION NUMBER
.102248	.285506	.495794	.674959	
3.10641E-02	3.05738E-02	1.18444E-02	1.30532E-02	1
.174477	.329711	.517804	.699753	
7.43299E-02	.246623	.480476	.657607	
-.359045	-.362977	-.374243	5.49189E-02	
6.02953E-03	6.10321E-03	6.62854E-03	4.70123E-02	2
-.350299	-.353296	-.363708	.121991	
-.368541	-.373044	-.38642	-1.21535E-02	
-.327455	-.328417	-.33515	-.332837	
1.58981E-02	9.10177E-03	2.19648E-02	7.22142E-03	3
-.306326	-.315244	-.312366	-.322348	
-.356822	-.344264	-.380742	-.345107	
-.186174	-.211203	-.184289	-.188769	
2.34506E-02	1.76651E-02	2.64599E-02	2.14939E-02	4
-.157615	-.186277	-.139253	-.16135	
-.215964	-.236491	-.233843	-.220596	
-.355542	-.360063	-.371778	-.401487	
9.21205E-03	5.27692E-03	2.12865E-02	5.24545E-03	5
-.340272	-.350526	-.348125	-.393033	
-.370957	-.366782	-.424594	-.408447	
-.331695	-.340736	-.381491	-.369721	
1.17327E-02	1.07604E-02	2.60410E-02	1.22996E-02	6
-.309346	-.327767	-.344138	-.345348	
-.346675	-.3604	-.430513	-.387133	
-.133769	-.180509	-.270568	-.249363	
2.04483E-02	1.19923E+02	2.76302E-02	7.35824E-03	7
-.107723	-.160387	-.232273	-.240826	
-.172716	-.198319	-.304756	-.26226	
-.236259	-.274061	-.28672	-.27087	
1.43638E-02	3.18739E-02	1.84196E-02	1.62064E-02	8
-.216931	-.238538	-.255588	-.246485	
-.25885	-.349442	-.319735	-.305129	
-4.36240E-02	-8.99792E-02	-.185823	-.112738	
3.06600E-02	2.36731E-02	2.47974E-02	1.11329E-02	9
2.93423E-03	-6.00795E-02	-.134058	-9.74089E-02	
-9.66089E-02	-.138592	-.214877	-.135702	
-.218102	-.230097	-.235909	-.244198	
2.29210E-02	2.96464E-02	2.94200E-02	1.47342E-02	10
-.18987	-.191816	-.186729	-.22758	
-.247011	-.299108	-.269843	-.272255	
-.148108	-.156763	-.155332	-.145504	
1.88235E-02	9.77784E-03	1.61651E-02	7.41595E-03	11
-.123548	-.14678	-.130072	-.130524	
-.189025	-.176643	-.180206	-.159822	
-3.27285E-02	-8.87268E-02	-.117001	-.128886	
1.94134E-02	1.53666E-02	2.96081E-02	3.33765E-02	12
-6.14548E-02	-6.08020E-02	-7.67969E-02	-9.18697E-02	
-.120528	-.108246	-.165347	-.19013	
-9.43352E-02	-7.72029E-02	-.113244	-7.10616E-02	
2.56584E-02	1.20712E-02	3.36113E-02	1.71180E-02	13
-5.79514E-02	-5.24932E-02	-7.94546E-02	-4.73153E-02	
-.12826	-8.97022E-02	-.182622	-.103911	
-.132029	-.12903	-.161155	-.195392	
3.34210E-02	1.25381E-02	3.17518E-02	2.75496E-02	14
-7.17231E-02	-.111618	-.10579	-.15256	
-.177911	-.147623	-.198447	-.245402	
-4.46025E-02	-3.14564E-02	-5.30346E-02	9.58849E-02	
2.10550E-02	1.48803E-02	3.20804E-02	2.23051E-02	15
-1.19248E-02	-8.42054E-03	1.25986E-02	.123798	
-7.51057E-02	-5.82733E-02	-9.00855E-02	5.74477E-02	
-.120879	-.111028	-.145172	-.166107	
2.50868E-02	1.83730E-02	2.73339E-02	2.90247E-02	16
-7.31728E-02	-6.45350E-02	-.111589	-.123299	
-.1703	-.124744	-.188662	-.208554	
-.156866	-.138014	-.197324	-.202232	
1.04873E-02	1.65391E-02	5.68172E-02	2.11155E-02	17
-.14336	-.111016	-9.39512E-02	-.163277	
-.173924	-.159063	-.265252	-.229025	
-2.53526E-02	-5.66115E-02	-3.80428E-02	-8.93833E-03	
3.01125E-02	1.47481E-02	4.74573E-02	1.49816E-02	18
-3.97099E-02	-3.62369E-02	3.70012E-02	2.80659E-02	
-.1343	-8.21159E-02	-.101079	-2.53994E-02	
-.152529	-.17002	-.185497	-.168154	
2.33188E-02	6.41596E-03	3.57257E-02	1.41172E-02	19
-.121495	-.160146	-.121616	-.147262	
-.1854	-.178931	-.221763	-.189889	
-.199339	-.223305	-.211724	-.195055	
2.37452E-02	1.22190E-02	4.35334E-02	3.10670E-02	20
-.170058	-.197355	-.146743	-.156895	
-.240487	-.238899	-.2934	-.24781	

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HONEYWELL CP DATA, RUN NO. 54

				LOCATION NUMBER
.119302	.316791	.498194	.650395	
4.09170E-02	1.01198E-02	1.31807E-02	1.60230E-02	1
.20747	.327731	.5259	.670896	
6.65261E-02	.297421	.482572	.619382	
-.359556	-.363685	-.376965	2.51139E-02	
6.97892E-03	4.46828E-03	6.11946E-03	2.60366E-02	2
-.351869	-.357428	-.36766	5.67636E-02	
-.371184	-.370436	-.386583	-1.19214E-02	
-.32526	-.321381	-.330375	-.331372	
1.12051E-02	1.88584E-02	1.66960E-02	1.03231E-02	3
-.312718	-.290954	-.307368	-.311898	
-.346649	-.350403	-.356698	-.342988	
-.199232	-.200701	-.199454	-.222204	
2.08029E-02	1.24561E-02	2.00813E-02	6.93788E-03	4
-.174384	-.186105	-.161073	-.210041	
-.236112	-.225131	-.225803	-.229424	
-.362936	-.36613	-.377801	-.398548	
6.50500E-03	3.82987E-03	6.68573E-03	7.15694E-03	5
-.35213	-.358859	-.370401	-.387738	
-.371706	-.371607	-.390238	-.40595	
-.341312	-.351938	-.38105	-.389871	
1.28371E-02	9.84281E-03	1.89957E-02	9.79223E-03	6
-.323028	-.336094	-.355785	-.370176	
-.358786	-.367835	-.425213	-.401397	
-.159454	-.196317	-.305606	-.268931	
8.27455E-03	6.01578E-03	1.79724E-02	1.08866E-02	7
-.146456	-.186756	-.28205	-.252969	
-.172296	-.206529	-.337384	-.285491	
-.252334	-.262322	-.276686	-.27589	
1.05075E-02	9.84029E-03	1.50436E-02	1.34492E-02	8
-.238853	-.242432	-.255166	-.260644	
-.27174	-.275214	-.308934	-.295117	
-6.48261E-02	-.110318	-.200994	-.122143	
2.04507E-02	1.23945E-02	1.01067E-02	2.06461E-02	9
-2.76978E-02	-9.23140E-02	-.178952	-9.66068E-02	
-9.66038E-02	-.127307	-.213013	-.156316	
-.229783	-.232403	-.233698	-.243226	
2.53559E-02	6.86050E-03	2.18670E-02	1.63769E-02	10
-.194743	-.22331	-.192002	-.220318	
-.273959	-.243993	-.277352	-.26949	
-.146574	-.143685	-.160551	-.180954	
2.01045E-02	1.39274E-02	1.57466E-02	9.40106E-03	11
-.122574	-.119502	-.12675	-.168934	
-.194743	-.165292	-.185346	-.198984	
-9.83787E-02	-9.31076E-02	-.112917	-.119762	
2.14085E-02	1.63649E-02	1.67947E-02	9.26324E-03	12
-5.43206E-02	-5.81016E-02	-9.06007E-02	-.10142	
-.123357	-.115339	-.146587	-.13186	
-8.08650E-02	-9.06359E-02	-.105857	-8.82944E-02	
2.67038E-02	6.38718E-03	1.91161E-02	1.49778E-02	13
-4.07481E-02	-8.11267E-02	-6.84150E-02	-6.05732E-02	
-.138887	-.10168	-.133667	-.107794	
-.131709	-.133135	-.170678	-.210145	
2.04680E-02	9.83061E-03	1.76532E-02	8.23770E-03	14
-9.59513E-02	-.115599	-.13445	-.198594	
-.160681	-.148641	-.192785	-.226822	
-4.38280E-02	-4.56264E-02	-5.53646E-02	5.82726E-02	
1.14834E-02	8.16069E-03	1.91131E-02	1.17077E-02	15
-3.26569E-02	-3.49464E-02	-6.81713E-03	7.62764E-02	
-7.19386E-02	-5.58902E-02	-6.91980E-02	3.60801E-02	
-.119181	-.122611	-.13706	-.158267	
2.23465E-02	1.29969E-02	1.63973E-02	1.16639E-02	16
-8.99481E-02	-.102981	-.113047	-.135242	
-.155331	-.142397	-.163683	-.168674	
-.140792	-.144049	-.194665	-.213775	
2.38900E-02	1.08053E-02	1.92431E-02	2.81229E-02	17
-8.82516E-02	-.127437	-.175689	-.158788	
-.168511	-.161129	-.227369	-.25427	
-8.28226E-02	-6.96662E-02	-5.92667E-02	-4.11125E-02	
2.37468E-02	1.00650E-02	2.10229E-02	2.75943E-02	18
-5.09275E-02	-5.65406E-02	-1.66049E-02	-1.01002E-02	
-.127142	-8.68504E-02	-8.74685E-02	-8.90619E-02	
-.178926	-.16083	-.200903	-.189475	
2.92850E-02	1.23923E-02	2.60152E-02	9.06212E-03	19
-.148283	-.137323	-.169425	-.179601	
-.234285	-.1783	-.23559	-.211472	
-.190058	-.22625	-.229339	-.21583	
1.40371E-02	9.26000E-03	1.91830E-02	2.34818E-02	20
-.174645	-.212773	-.194743	-.188837	
-.216667	-.243993	-.257385	-.260254	

				LOCATION NUMBER
.453966	.503619	.688899	.757741	
1.44783E-02	5.51320E-03	2.53183E-02	6.61103E-03	1
.477091	.510501	.727659	.766769	
.425542	.491769	.636306	.748297	
-2.96031E-02	-4.70314E-02	1.42331E-02	.645386	
3.86441E-03	1.37849E-03	5.22028E-03	1.08600E-02	2
-2.35216E-02	-4.37922E-02	2.13717E-02	.6627	
-3.47450E-02	-4.89957E-02	4.27570E-03	.63083	
-.200172	-.200363	-.203813	-.201885	
4.83058E-03	3.38103E-03	3.01064E-03	4.41423E-03	3
-.192002	-.19365	-.197353	-.195472	
-.207793	-.205098	-.20701	-.210041	
-.178077	-.183114	-.189196	-.197969	
1.22862E-02	1.03159E-02	1.02074E-02	3.67321E-03	4
-.153504	-.168544	-.171905	-.191699	
-.195656	-.200545	-.20962	-.203797	
-.191898	-.128361	-.216693	-.202223	
8.58750E-03	6.23006E-03	9.13762E-03	4.37562E-03	5
-.179343	-.120152	-.195004	-.195732	
-.208315	-.137454	-.225803	-.209261	
-.177425	-.177169	-.171852	-.166489	
3.41877E-03	1.65025E-03	6.75348E-03	1.07576E-02	6
-.171122	-.174138	-.1629	-.151893	
-.182084	-.180122	-.184433	-.184414	
-.1804	-.184206	-.177738	-.17337	
3.82446E-03	4.23234E-03	7.53499E-03	4.11131E-03	7
-.174515	-.176869	-.165771	-.165552	
-.184824	-.188707	-.189653	-.17778	
-.191102	-.192571	-.204191	-.16269	
6.55697E-03	3.46805E-03	1.17869E-02	4.12939E-03	8
-.182475	-.188057	-.193568	-.155275	
-.19918	-.197293	-.234416	-.167894	
-.174645	-.174645	-.176668	-.166033	
9.26827E-03	4.06881E-03	1.23383E-02	9.31349E-03	9
-.161856	-.169324	-.159768	-.149552	
-.189131	-.183244	-.196309	-.1783	
-.182254	-.180902	-.192133	-.187562	
6.85325E-03	3.98660E-03	1.58793E-02	8.84907E-03	10
-.173862	-.176609	-.170469	-.174398	
-.195656	-.189618	-.2121	-.204968	
-.14181	-.138572	-.161895	-.178235	
5.25648E-03	2.26907E-03	9.06007E-03	7.60987E-03	11
-.131448	-.134852	-.149327	-.167373	
-.149719	-.141486	-.17334	-.191959	
-.111481	-.113219	-.113896	-.133655	
1.12061E-02	4.35500E-03	1.03859E-02	9.90402E-03	12
-9.02091E-02	-.10194	-9.04701E-02	-.115599	
-.131057	-.11703	-.129099	-.14799	
-.15242	-.149122	-.129295	-.115105	
7.26370E-03	6.11574E-03	2.01703E-02	9.54144E-03	13
-.142933	-.138494	-.103521	-.102331	
-.164596	-.156706	-.15768	-.13147	
-.127364	-.12477	-.134763	-.173162	
6.07194E-03	3.86885E-03	9.05504E-03	1.08813E-02	14
-.119181	-.118461	-.116179	-.157227	
-.13706	-.130039	-.143846	-.200155	
-.130104	-.133473	-.110633	-7.85380E-02	
7.00467E-03	5.71772E-03	2.07336E-02	8.42806E-03	15
-.115396	-.122884	-7.37656E-02	-6.25245E-02	
-.142541	-.142137	-.142019	-9.21839E-02	
-.118985	-.128061	-.139514	-.137389	
1.09632E-02	4.80438E-03	1.17419E-02	8.79512E-03	16
-9.71258E-02	-.122884	-.117615	-.121193	
-.130143	-.137584	-.156766	-.149682	
-.123096	-.124406	-.136969	-.13807B	
6.04290E-03	4.49115E-03	1.91256E-02	1.14799E-02	17
-.114091	-.119242	-.1137	-.114038	
-.134972	-.13199	-.177908	-.149942	
-.127507	-.12373	-.114874	-.109524	
1.01449E-02	4.94532E-03	2.36886E-02	8.75846E-03	18
-.107566	-.112999	-7.68977E-02	-9.41352E-02	
-.144107	-.130429	-.159637	-.120412	
-.137843	-.14172	-.151781	-.163224	
1.92595E-02	9.40656E-03	1.34890E-02	1.11792E-02	19
-.107044	-.127827	-.132623	-.145779	
-.171513	-.154755	-.170861	-.17817	
-.166854	-.176076	-.197119	-.196447	
1.48286E-02	6.97714E-03	2.40738E-02	1.30256E-02	20
-.142411	-.163601	-.151807	-.172837	
-.187304	-.189228	-.22515	-.214464	

HONEYWELL CP DATA, RUN NO. 56

				LOCATION NUMBER
.392711	.475681	.685506	.744922	
2.35963E-02	7.65758E-03	1.75780E-02	7.18695E-03	1
.428167	.491311	.717012	.755386	
.35206	.46506	.658421	.731423	
-2.57086E-02	-3.69353E-02	2.70710E-02	.632392	
3.72392E-03	1.44795E-03	9.27557E-03	1.48096E-02	2
-1.74818E-02	-3.45511E-02	4.69072E-02	.650382	
-3.17368E-02	-3.90065E-02	1.68268E-02	.611969	
-.18377	-.191732	-.188203	-.188493	
7.23401E-03	2.20618E-03	4.82372E-03	2.96214E-03	3
-.16885	-.187842	-.182622	-.184952	
-.194823	-.194345	-.198689	-.192659	
-.169128	-.16253	-.174649	-.179895	
1.48567E-02	4.71086E-03	1.12776E-02	5.30273E-03	4
-.140824	-.15533	-.15979	-.170863	
-.184555	-.168094	-.194702	-.185795	
-.182537	-.12779	-.19486	-.16872	
3.96996E-03	7.53251E-03	1.53990E-02	1.28458E-02	5
-.178152	-.120047	-.173199	-.153644	
-.188058	-.139434	-.223212	-.189648	
-.164296	-.168503	-.158074	-.154571	
3.92645E-03	2.14145E-03	8.15666E-03	1.29906E-02	6
-.157132	-.166047	-.146622	-.133052	
-.172233	-.172308	-.1703	-.170141	
-.170384	-.171995	-.165093	-.152512	
4.82630E-03	4.19699E-03	9.52418E-03	8.82519E-03	7
-.163414	-.167612	-.144448	-.13811	
-.178635	-.179533	-.17779	-.165445	
-.17907	-.18093	-.194413	-.149032	
4.80136E-03	3.73688E-03	1.04224E-02	1.64949E-02	8
-.169937	-.17568	-.181293	-.127393	
-.185038	-.188444	-.212944	-.179654	
-.160998	-.165794	-.171218	-.144829	
9.67187E-03	6.23670E-03	1.93011E-02	1.15058E-02	9
-.144689	-.156895	-.153025	-.126068	
-.17187	-.172429	-.205454	-.161712	
-.162327	-.163723	-.174746	-.185157	
8.24323E-03	4.53859E-03	1.85767E-02	1.35706E-02	10
-.149521	-.154366	-.139253	-.161832	
-.177911	-.170623	-.206421	-.209758	
-.130326	-.133366	-.157881	-.171983	
5.52931E-03	5.02749E-03	1.36649E-02	1.32569E-02	11
-.117387	-.124623	-.130313	-.144733	
-.139132	-.140398	-.18238	-.195669	
-9.27794E-02	-.101262	-.102939	-8.02374E-02	
1.61806E-02	7.28547E-03	1.42726E-02	1.46189E-02	12
-6.00051E-02	-9.04247E-02	-8.38036E-02	-6.33308E-02	
-.110381	-.115953	-.123548	-.108006	
-.135955	-.135172	-.139821	-.11446	
1.49488E-02	9.55217E-03	2.90234E-02	1.50063E-02	13
-.112314	-.121613	-9.37096E-02	-9.47597E-02	
-.155441	-.154125	-.186004	-.145696	
-.106781	-.106717	-.129166	-.159725	
5.84462E-03	9.89889E-03	9.89628E-03	9.69346E-03	14
-9.96291E-02	-9.57230E-02	-.115454	-.138471	
-.119683	-.121251	-.144327	-.170502	
-.122002	-.120409	-.11688	-7.44453E-02	
1.15381E-02	5.30936E-03	1.68600E-02	1.91062E-02	15
-.100596	-.113906	-9.47969E-02	-4.68336E-02	
-.140582	-.129199	-.137441	-.108608	
-.104051	-.109547	-.120975	-.121179	
1.03249E-02	6.58939E-03	2.53141E-02	1.54078E-02	16
-8.74278E-02	-9.80110E-02	-8.50117E-02	-9.71681E-02	
-.118595	-.118121	-.157736	-.143649	
-.114838	-.115146	-.127173	-.128681	
1.34580E-02	5.80536E-03	1.49777E-02	1.68906E-02	17
-9.05687E-02	-.107042	-.104461	-9.70476E-02	
-.130676	-.124142	-.150367	-.148586	
-.121748	-.113966	-.100644	-.103887	
6.06904E-03	7.88354E-03	1.93166E-02	1.03548E-02	18
-.112072	-9.56026E-02	-8.10251E-02	-8.63305E-02	
-.129226	-.120649	-.14179	-.119084	
-.119175	-.130632	-.151068	-.141096	
1.15214E-02	6.97447E-03	1.00346E-02	8.47177E-03	19
-.105186	-.119084	-.136958	-.125587	
-.138649	-.142204	-.169333	-.153042	
-.163692	-.176102	-.186186	-.192141	
1.38131E-02	7.99627E-03	1.95377E-02	1.86272E-02	20
-.136716	-.160387	-.157857	-.169298	
-.176823	-.186156	-.224904	-.224208	

HONEYWELL CP DATA, RUN NO. 57

				LOCATION NUMBER
.462464	.480582	.687861	.752195	
1.56244E-02	5.76853E-03	3.45288E-02	4.05250E-03	1
.487603	.489144	.728488	.757794	
.435415	.472406	.622784	.743465	
2.70106E-02	.174301	.621576	.655199	
2.88348E-03	7.63051E-03	1.09238E-02	7.89391E-03	2
3.12026E-02	.189184	.635831	.665073	
2.09133E-02	.162452	.605871	.643639	
-.143264	-.147358	-.154438	-.146178	
1.01637E-02	5.78894E-03	8.51878E-03	7.03474E-03	3
-.130072	-.137869	-.144085	-.13233	
-.163776	-.154246	-.165347	-.15533	
-.116361	-.11328	-.126146	-.140241	
1.07023E-02	5.44293E-03	1.00059E-02	7.09333E-03	4
-.101804	-.105718	-.109777	-.131005	
-.138891	-.12089	-.143723	-.155691	
-6.50185E-02	6.56842E-02	-.183069	-6.20183E-02	
1.55909E-02	9.37223E-03	2.30044E-02	1.01738E-02	5
-3.64481E-02	8.15311E-02	-.133817	-4.34619E-02	
-8.28372E-02	5.02227E-02	-.214273	-7.66971E-02	
-8.87325E-02	-9.10027E-02	-7.32574E-02	-2.29669E-02	
5.66701E-03	3.92724E-03	1.64015E-02	1.05387E-02	6
-8.23540E-02	-8.45242E-02	-5.40856E-02	-8.17970E-03	
-9.76962E-02	-9.78906E-02	-.110985	-3.99698E-02	
-9.69472E-02	-8.07793E-02	-7.60963E-02	-7.47102E-02	
4.73365E-03	4.49230E-03	9.94431E-03	7.53444E-03	7
-9.21392E-02	-7.59746E-02	-6.50789E-02	-6.36920E-02	
-.108327	-9.17493E-02	-9.12935E-02	-8.33201E-02	
-.112483	-.106223	-9.85781E-02	-6.07177E-02	
6.12977E-03	6.21260E-03	1.58592E-02	9.43062E-03	8
-.103012	-9.52414E-02	-7.05151E-02	-4.52682E-02	
-.120891	-.113424	-.125844	-7.68175E-02	
-.101079	-9.10388E-02	-9.96170E-02	-7.73233E-02	
6.79731E-03	3.66842E-03	2.23623E-02	1.24087E-02	9
-8.54949E-02	-8.50059E-02	-6.37500E-02	-5.51424E-02	
-.10881	-9.72885E-02	-.146501	-9.28330E-02	
-8.99284E-02	-8.89315E-02	-8.38882E-02	-7.43008E-02	
4.25988E-03	6.50182E-03	1.07096E-02	6.36333E-03	10
-8.38036E-02	-7.65767E-02	-7.03943E-02	-6.53779E-02	
-9.75754E-02	-9.81314E-02	-.103736	-8.36813E-02	
-6.76883E-02	-7.11700E-02	-9.71888E-02	-.118711	
1.19870E-02	1.39212E-03	1.54203E-02	7.96723E-03	11
-5.04615E-02	-6.86292E-02	-8.12667E-02	-.108849	
-8.83942E-02	-7.30846E-02	-.136112	-.132812	
-4.84078E-02	-4.87844E-02	-5.03890E-02	-4.30646E-02	
9.34124E-03	7.02245E-03	2.61405E-02	1.87727E-02	12
-3.04079E-02	-3.53940E-02	-7.93821E-03	-2.34727E-02	
-5.68642E-02	-5.88754E-02	-.102408	-7.53725E-02	
-.100318	-9.13278E-02	-8.78144E-02	-9.97329E-02	
5.37656E-03	5.07277E-03	1.58946E-02	6.60367E-03	13
-9.02063E-02	-8.00688E-02	-6.30252E-02	-8.89797E-02	
-.107119	-9.87335E-02	-.118233	-.10921	
-8.58694E-02	-7.96118E-02	-9.66210E-02	-.129994	
5.54361E-03	3.46252E-03	6.93236E-03	5.64671E-03	14
-7.65553E-02	-7.18804E-02	-8.48909E-02	-.117157	
-9.35888E-02	-8.41630E-02	-.107361	-.136183	
-9.52197E-02	-9.37362E-02	-8.11097E-02	-7.64924E-02	
7.97022E-03	6.16041E-03	2.08723E-02	1.45068E-02	15
-8.36828E-02	-8.48855E-02	-3.02871E-02	-5.27341E-02	
-.104582	-.105838	-.107119	-.102587	
-9.15110E-02	-9.65178E-02	-7.15057E-02	-7.80458E-02	
8.51696E-03	8.21909E-03	1.66696E-02	7.87494E-03	16
-7.57097E-02	-8.34405E-02	-4.91327E-02	-6.70637E-02	
-.1012	-.104995	-9.56425E-02	-8.81368E-02	
-.102275	-9.50969E-02	-9.27311E-02	-.112907	
6.11456E-03	4.81170E-03	1.70068E-02	2.22130E-02	17
-9.12935E-02	-8.77755E-02	-6.97903E-02	-8.28384E-02	
-.113159	-.100178	-.13128	-.141482	
-9.93271E-02	-9.75293E-02	-7.31245E-02	-4.01264E-02	
5.14869E-03	8.24197E-03	1.89183E-02	1.33312E-02	18
-9.10519E-02	-8.28384E-02	-3.91058E-02	-2.03418E-02	
-.10579	-.111377	-9.60049E-02	-6.70637E-02	
-8.80560E-02	-9.98654E-02	-.137876	-.137568	
2.23719E-02	1.41848E-02	1.44141E-02	6.57242E-03	
-4.30924E-02	-8.23567E-02	-.115696	-.124503	19
-.122099	-.120649	-.161723	-.144974	
-.159923	-.184459	-.186681	-.182869	
1.42242E-02	9.50657E-03	2.49081E-02	1.42643E-02	
-.124636	-.17267	-.155562	-.153523	20
-.176219	-.196633	-.229615	-.20169	

HONEYWELL CP DATA, RUN NO. 58

				LOCATION NUMBER
.485274	.427063	.73468	.759146	
1.10339E-02	3.40907E-03	2.39915E-02	5.93544E-03	1
.49993	.503346	.768115	.767159	
.46391	.492549	.681199	.748557	
2.78447E-02	.180345	.654681	.685466	
2.65824E-03	6.97596E-03	8.42548E-03	6.54054E-03	2
3.29866E-02	.1888	.671542	.69249	
2.55478E-02	.162653	.64518	.671937	
-.166149	-.165968	-.162704	-.172251	
8.38411E-03	3.16283E-03	7.59326E-03	7.16590E-03	3
-.147239	-.160869	-.151937	-.161129	
-.177516	-.169715	-.174645	-.184284	
-.116649	-.13212	-.134437	-.151555	
1.20100E-02	5.42313E-03	6.39463E-03	5.37483E-03	4
-9.75174E-02	-.124965	-.119703	-.142787	
-.13184	-.141226	-.14228	-.160869	
-6.13286E-02	6.95510E-02	-.203526	-5.98187E-02	
1.18614E-02	1.43219E-02	1.70912E-02	1.76543E-02	5
-4.07481E-02	9.83909E-02	-.189653	-2.12875E-02	
-7.76808E-02	5.23407E-02	-.239375	-7.86551E-02	
-9.90703E-02	-.101355	-7.60234E-02	-4.35321E-02	
3.20862E-03	2.81491E-03	1.07874E-02	9.65443E-03	6
-9.30802E-02	-9.92085E-02	-5.43206E-02	-2.46697E-02	
-.102346	-.107404	-8.69465E-02	-5.79715E-02	
-.105543	-9.02066E-02	-9.11227E-02	-9.02587E-02	
3.69316E-03	4.34525E-03	7.11591E-03	9.67091E-03	7
-9.96054E-02	-8.41186E-02	-8.08128E-02	-6.85084E-02	
-.111612	-9.98590E-02	-9.92139E-02	-.103241	
-.124493	-.122897	-9.87571E-02	-5.47454E-02	
4.36189E-03	5.67959E-03	9.66877E-03	1.90326E-02	8
-.117093	-.115209	-8.23789E-02	-2.68812E-02	
-.132492	-.128738	-.111481	-8.00860E-02	
-.115853	-.101914	-.101941	-8.69545E-02	
4.58057E-03	2.22440E-03	8.27980E-03	9.87200E-03	9
-.104826	-9.89484E-02	-8.47280E-02	-7.61834E-02	
-.120878	-.106233	-.112395	-.106623	
-9.83004E-02	-.104113	-8.95044E-02	-7.33086E-02	
3.81335E-03	4.25137E-03	1.06987E-02	1.24918E-02	10
-9.04701E-02	-9.67369E-02	-6.84150E-02	-5.70609E-02	
-.104565	-.108705	-.109002	-9.08831E-02	
-9.27017E-02	-7.96307E-02	-.116284	-.121375	
7.56008E-03	6.56438E-03	1.10323E-02	1.11681E-02	11
-8.30314E-02	-7.13703E-02	-.101954	-.109355	
-.107044	-8.94521E-02	-.130143	-.138624	
-7.09598E-02	-5.92203E-02	-5.97495E-02	-3.91222E-02	
8.96483E-03	6.21176E-03	1.50594E-02	9.27659E-03	12
-5.22325E-02	-5.13372E-02	-3.53975E-02	-2.50600E-02	
-8.35534E-02	-7.25411E-02	-8.73380E-02	-5.19876E-02	
-.10754	-.107807	-.100114	-.101836	
4.76589E-03	2.12885E-03	8.28617E-03	7.03312E-03	13
-.101041	-.103501	-8.91651E-02	-9.15335E-02	
-.116571	-.110136	-.110829	-.112087	
-9.60818E-02	-9.03367E-02	-9.40459E-02	-.13281	
3.68137E-03	3.51928E-03	1.51070E-02	8.29628E-03	14
-9.07311E-02	-8.48992E-02	-7.49402E-02	-.122234	
-.100127	-9.71272E-02	-.126489	-.145909	
-.110489	-.104035	-9.48681E-02	-8.19202E-02	
6.26335E-03	3.94905E-03	8.18048E-03	5.79787E-03	15
-9.93444E-02	-9.86882E-02	-7.89858E-02	-6.73376E-02	
-.120878	-.110266	-.107044	-8.95416E-02	
-9.63820E-02	-.101329	-.104591	-8.06974E-02	
7.92047E-03	2.73625E-03	1.75733E-02	9.63683E-03	16
-7.97688E-02	-9.80378E-02	-7.91163E-02	-6.33050E-02	
-.109002	-.105973	-.136799	-9.73873E-02	
-.111781	-.102409	-.112408	-.111775	
8.58388E-03	3.60354E-03	1.24543E-02	5.83292E-03	17
-9.80393E-02	-9.82979E-02	-8.86431E-02	-9.98590E-02	
-.126098	-.110266	-.130535	-.118721	
-.114587	-.10263	-8.49368E-02	-5.42641E-02	
5.03859E-03	5.05499E-03	1.13202E-02	7.93163E-03	18
-.107958	-9.50458E-02	-7.24606E-02	-4.37922E-02	
-.122966	-.111306	-.107827	-7.03296E-02	
-.111977	-.121479	-.133902	-.143177	
1.94954E-02	8.72709E-03	1.28914E-02	6.73538E-03	19
-8.21179E-02	-.108705	-.117615	-.132901	
-.13954	-.136543	-.156897	-.157877	
-.168094	-.187445	-.209033	-.17337	
1.47870E-02	6.91697E-03	1.40300E-02	1.54415E-02	20
-.145412	-.176089	-.178169	-.154235	
-.194743	-.196512	-.231414	-.200675	

HONEYWELL CP DATA. RUN NO. 59

LOCATION NUMBER

				LOCATION NUMBER
.391755	.487346	.655908	.75886	
2.60950E-02	3.84282E-03	3.15074E-02	2.69894E-03	1
.417843	.495931	.710693	.762606	
.333537	.483573	.605507	.75415	
-.255218	-.15642	.52419	.671208	
7.43602E-03	9.58979E-03	4.91164E-02	8.63124E-03	2
-.247466	-.143047	.618819	.684295	
-.269391	-.167633	.446553	.659579	
-3.95345E-02	-6.01439E-02	-7.58146E-02	-.1041	
2.50893E-02	7.63515E-02	9.79666E-02	1.07367E-02	3
-4.07655E-03	-4.52232E-02	-5.99322E-02	-8.41186E-02	
-8.49890E-02	-6.98093E-02	-8.83821E-02	-.117681	
-.119011	-.124549	-.129465	-.154404	
1.80562E-02	4.96161E-03	1.27042E-02	6.71137E-03	4
-8.21179E-02	-.113128	-.106914	-.143177	
-.140192	-.129909	-.153243	-.166983	
-.103233	-.142267	-.194351	-4.15027E-02	
1.36401E-02	6.45230E-03	7.27111E-03	7.85829E-03	5
-7.61147E-02	-.13199	-.184694	-3.49464E-02	
-.120225	-.152804	-.202704	-5.77113E-02	
-.10433	-.109121	-.119416	-.113141	
5.25825E-03	3.28069E-03	8.76460E-03	8.21783E-03	6
-9.42547E-02	-.104412	-.107175	-.100249	
-.11109	-.115339	-.133406	-.123274	
-.113752	-.120373	-.135807	-.118955	
7.35965E-03	3.77051E-03	1.27434E-02	1.38749E-02	7
-9.97359E-02	-.115729	-.113569	-9.08831E-02	
-.12675	-.126396	-.153112	-.134071	
-9.35992E-02	-9.44214E-02	-.115984	-.111736	
6.63041E-03	4.79166E-03	1.25151E-02	7.06175E-03	8
-8.47280E-02	-8.78911E-02	-.100649	-.10129	
-.102998	-.10194	-.143324	-.121453	
-6.89761E-02	-6.15879E-02	-.122796	-6.26026E-02	
8.69151E-03	7.06274E-03	1.55771E-02	9.24949E-03	9
-4.85784E-02	-5.27681E-02	-.10326	-5.10770E-02	
-7.97688E-02	-7.77445E-02	-.145673	-8.47691E-02	
-8.09433E-02	-8.30780E-02	-8.91781E-02	-.104048	
6.75708E-03	2.96737E-03	1.61912E-02	1.26482E-02	10
-7.37656E-02	-7.80046E-02	-5.71916E-02	-8.38585E-02	
-9.49073E-02	-8.68504E-02	-.112786	-.123014	
-7.80201E-02	-7.90193E-02	-.114796	-.129102	
7.84348E-03	8.22450E-03	2.02388E-02	7.05237E-03	11
-6.61964E-02	-6.36953E-02	-8.82516E-02	-.119242	
-8.98176E-02	-9.16636E-02	-.153765	-.140185	
-5.42031E-02	-5.23779E-02	-6.03498E-02	-5.90382E-02	
8.49211E-03	6.17459E-03	1.57142E-02	1.63778E-02	12
-3.72245E-02	-4.27516E-02	-3.76161E-02	-2.28485E-02	
-6.14983E-02	-6.29148E-02	-8.25094E-02	-7.94356E-02	
-.102437	-9.19758E-02	-.100441	-9.90524E-02	
8.76955E-03	5.98007E-03	1.35651E-02	1.06389E-02	13
-8.62940E-02	-8.42487E-02	-7.88553E-02	-8.15170E-02	
-.119311	-.10207	-.120486	-.117811	
-9.25060E-02	-8.69545E-02	-.101406	-.149524	
3.45998E-03	2.75997E-03	8.17997E-03	8.75692E-03	14
-8.85126E-02	-8.32081E-02	-8.55110E-02	-.1316	
-9.76478E-02	-9.03627E-02	-.110176	-.16256	
-9.16055E-02	-8.91400E-02	-5.54690E-02	-2.99772E-02	
1.10370E-02	6.18355E-03	1.31403E-02	2.03239E-02	15
-6.86760E-02	-7.56631E-02	-2.91333E-02	-1.90479E-03	
-.104173	-9.46556E-02	-7.53317E-02	-6.14838E-02	
-9.99317E-02	-.108692	-.101628	-.106558	
1.14001E-02	3.83797E-03	1.63175E-02	1.36095E-02	16
-8.17264E-02	-.103371	-7.20691E-02	-8.78911E-02	
-.12153	-.114819	-.122313	-.127307	
-.108571	-.105661	-.105648	-.11556	
5.79055E-03	3.77956E-03	8.81604E-03	5.82316E-03	17
-9.83004E-02	-9.93386E-02	-9.16447E-02	-.105323	
-.116832	-.111306	-.115527	-.123925	
-.111011	-.102422	-9.08486E-02	-7.23980E-02	
1.10920E-02	5.15893E-03	1.51112E-02	1.03355E-02	18
-8.65550E-02	-9.62166E-02	-6.98505E-02	-5.14673E-02	
-.125445	-.111046	-.108219	-8.34682E-02	
-.113191	-.115807	-.135363	-.138377	
1.97601E-02	7.61340E-03	1.51824E-02	8.71547E-03	19
-8.34229E-02	-.107534	-.114091	-.127437	
-.147631	-.125876	-.16042	-.153844	
-.167311	-.184727	-.202142	-.17203	
8.30824E-03	4.30986E-03	1.34996E-02	1.16993E-02	20
-.157419	-.17739	-.18104	-.150462	
-.180518	-.191569	-.221235	-.193911	

HONEYWELL CP DATA, RUN NO. 60

				Location
.334145	.469251	.633052	.742766	
3.45238E-02	5.25176E-03	3.09775E-02	1.37668E-02	1
.390235	.476018	.67775	.757072	
.281873	.462411	.572891	.715046	
-.246322	-.172019	.524932	.648383	
5.90117E-03	1.73097E-02	5.71861E-02	1.95642E-02	2
-.237709	-.140277	.594032	.679523	
-.257521	-.192538	.392771	.617388	
-2.02241E-02	-5.85021E-02	-5.41944E-02	-9.33870E-02	3
2.52384E-02	9.34329E-03	1.27035E-02	1.03306E-02	
2.10549E-02	-4.31007E-02	-4.03139E-02	-8.23567E-02	
-5.28776E-02	-7.40479E-02	-7.78842E-02	-.117278	
-.102625	-.107945	-.112724	-.140928	
1.06489E-02	1.17909E-02	1.40491E-02	5.37791E-03	4
-8.40452E-02	-8.99430E-02	-8.93607E-02	-.133534	
-.114126	-.125707	-.1343	-.150754	
-9.71043E-02	-.129657	-.174166	-1.24184E-02	
8.75940E-03	8.50103E-03	1.82177E-02	1.34988E-02	5
-8.57365E-02	-.112943	-.142394	5.78870E-03	
-.111226	-.144974	-.196394	-3.64778E-02	
-.102516	-.101455	-9.71526E-02	-.109198	
5.73399E-03	3.80276E-03	6.68248E-03	1.30266E-02	6
-9.46761E-02	-9.66864E-02	-8.81526E-02	-8.68122E-02	
-.110864	-.107404	-.109173	-.129319	
-.102395	-.110414	-.13215	-.111883	
1.04674E-02	7.07858E-03	1.50480E-02	1.92582E-02	7
-8.86358E-02	-.101021	-.110622	-8.13934E-02	
-.12077	-.121492	-.152783	-.13245	
-9.47123E-02	-9.24357E-02	-.109318	-.100191	
4.45669E-03	9.60295E-03	1.60310E-02	1.27704E-02	8
-8.94815E-02	-7.56133E-02	-8.77902E-02	-7.29642E-02	
-.104099	-.105718	-.138045	-.121131	
-6.31702E-02	-5.45042E-02	-.100173	-6.36439E-02	
1.47315E-02	1.06480E-02	2.79867E-02	1.32504E-02	9
-2.98039E-02	-3.15406E-02	-6.59245E-02	-4.11740E-02	
-7.96963E-02	-6.89904E-02	-.157253	-8.38017E-02	
-7.31245E-02	-7.21092E-02	-8.56519E-02	-8.88472E-02	
1.07893E-02	4.44344E-03	1.47273E-02	7.89469E-03	10
-5.39648E-02	-6.47758E-02	-6.12131E-02	-7.89851E-02	
-9.33472E-02	-7.72992E-02	-.103012	-9.95764E-02	
-8.16775E-02	-7.49752E-02	-.112012	-.126887	
9.21570E-03	6.92863E-03	1.09097E-02	1.40586E-02	11
-7.08775E-02	-6.59800E-02	-9.62465E-02	-.105959	
-9.96291E-02	-8.58488E-02	-.127173	-.154125	
-5.06065E-02	-5.23728E-02	-7.36802E-02	-5.38660E-02	
9.54027E-03	5.99429E-03	2.47745E-02	1.22310E-02	12
-3.19784E-02	-3.79228E-02	-2.96831E-02	-3.88861E-02	
-6.31460E-02	-5.79120E-02	-.122099	-7.68175E-02	
-9.18493E-02	-8.35368E-02	-8.61835E-02	-8.56441E-02	
8.67179E-03	6.60453E-03	2.17621E-02	1.36969E-02	13
-7.25688E-02	-7.23621E-02	-5.40856E-02	-6.36920E-02	
-.103857	-9.27126E-02	-.114609	-.10933	
-8.84546E-02	-7.89610E-02	-.103108	-.125358	
9.95383E-03	4.78377E-03	2.20439E-02	9.05572E-03	14
-7.46225E-02	-7.30846E-02	-7.11191E-02	-.106199	
-.107844	-9.04247E-02	-.151696	-.137628	
-9.12815E-02	-8.30431E-02	-5.91595E-02	-8.79383E-03	
4.98325E-03	5.55023E-03	2.35456E-02	2.03299E-02	15
-8.10251E-02	-7.17600E-02	-1.62737E-02	9.40122E-03	
-9.75754E-02	-8.97022E-02	-9.32264E-02	-4.33415E-02	
-9.51834E-02	-9.06053E-02	-9.82398E-02	-.105465	
1.21362E-02	9.40634E-03	2.05230E-02	1.17928E-02	16
-7.70386E-02	-8.05505E-02	-7.28104E-02	-8.89797E-02	
-.112314	-.109932	-.135629	-.126429	
-9.88318E-02	-9.73487E-02	-.110936	-.106922	
9.14577E-03	6.27903E-03	2.39928E-02	9.99149E-03	17
-8.53741E-02	-8.69326E-02	-8.03003E-02	-8.86184E-02	
-.11328	-.104754	-.152783	-.121854	
-.106394	-9.92031E-02	-8.73432E-02	-5.36613E-02	
8.44829E-03	5.26219E-03	1.49584E-02	1.49966E-02	18
-9.96023E-02	-9.24718E-02	-6.73742E-02	-3.09386E-02	
-.122824	-.110534	-.108689	-8.03096E-02	
-9.84693E-02	-.113713	-.142913	-.139398	
1.60556E-02	1.34273E-02	1.24878E-02	9.05458E-03	19
-6.19380E-02	-9.64455E-02	-.120528	-.122697	
-.12222	-.136665	-.16426	-.148345	
-.154027	-.180413	-.17669	-.160784	
1.53066E-02	7.81063E-03	7.74678E-03	1.39591E-02	20
-.126206	-.169418	-.163897	-.142445	
-.178152	-.193502	-.184192	-.186999	

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.483822	.499897	.749146	.753893	
1.43485E-02	1.37764E-02	4.50151F-03	4.94992E-03	1
.521428	.525148	.756032	.761286	
.470086	.481557	.742985	.746475	
.206418	.461424	.632581	.661677	
1.78738E-02	2.90776E-02	2.05867E-02	1.86527E-02	2
.230893	.495887	.661683	.689036	
.169041	.405333	.610462	.628346	
-.151406	-.15327	-.148917	-.154547	3
1.08464E-02	8.64251E-03	1.00201F-02	8.70501E-03	
-.131159	-.138712	-.12681	-.137147	
-.170541	-.169057	-.161723	-.16713	
-.105246	-.108475	-.121434	-.14855	
1.61820E-02	4.69370E-03	1.35962F-02	6.44813E-03	4
-7.66761E-02	-.100299	-.107723	-.136304	
-.130434	-.116314	-.155924	-.156534	
-6.65648E-02	.185813	-.14086	-2.58088E-02	
2.28292E-02	1.43020E+02	2.20332E-02	1.90577E-02	5
-1.78442E-02	.206163	-9.80586E-02	1.32546E-02	
-.100233	.151494	-.16885	-4.12944E-02	
-4.82870E-02	-4.63279E-02	-4.84924F-02	-6.35114E-02	
8.03708E-03	3.66715E-03	1.11833F-02	1.10562E-02	6
-3.23408E-02	-4.08128E-02	-3.17368E-02	-3.63573E-02	
-6.09715E-02	-5.11687E-02	-6.71326E-02	-7.42888E-02	
-7.95392E-02	-5.79120E-02	-4.56656E-02	-9.03043E-02	
5.28231E-03	4.79193E-03	1.09678E-02	1.22144E-02	7
-7.25688E-02	-4.73153E-02	-2.64213E-02	-7.64563E-02	
-8.87566E-02	-6.20062E-02	-5.85554E-02	-.110414	
-.11711	-.110872	-6.62990E-02	-4.82064E-02	
4.91951E-03	3.09035E-03	1.32051E-02	9.92145E-03	8
-.108569	-.10632	-4.23676E-02	-3.41898E-02	
-.126327	-.116074	-8.16291E-02	-6.74250E-02	
-.102855	-7.56736E-02	-7.84399E-02	-6.18135E-02	
4.90540E-03	3.35985E-03	6.76588E-03	1.57910E-02	9
-9.64881E-02	-7.06763E-02	-6.87030E-02	-3.11794E-02	
-.108448	-8.23567E-02	-9.12935E-02	-7.51317E-02	
-9.07257E-02	-8.85462E-02	-9.11969E-02	-9.16289E-02	
4.20463E-03	4.84235E-03	1.03243E-02	9.26536E-03	10
-8.23540E-02	-8.17547E-02	-7.54681E-02	-7.47704E-02	
-9.55217E-02	-9.53618E-02	-.111589	-.105959	
-6.51272E-02	-6.86051E-02	-8.72707F-02	-9.74089E-02	
9.95908E-03	8.42621E-03	1.60241E-02	1.47509E-02	11
-4.58709E-02	-5.36974E-02	-6.61661E-02	-6.99538E-02	
-8.10251E-02	-8.24772E-02	-.113038	-.113184	
-3.95045E-02	-4.91095E-02	-3.08066E-02	-2.21120E-02	
9.42572E-03	5.84692E-03	2.16280E-02	2.87540E-02	12
-2.90790E-02	-3.59961E-02	-2.13957E-03	3.81809E-02	
-5.98843E-02	-5.53833E-02	-7.41392E-02	-6.53779E-02	
-.106201	-9.21948E-02	-9.12814E-02	-9.85408E-02	
4.48746E-03	5.32979E-03	2.10642E-02	1.21081E-02	13
-9.63673E-02	-8.66918E-02	-4.52669E-02	-7.54929E-02	
-.112434	-.102707	-.116542	-.111618	
-8.43956E-02	-8.12369E-02	-8.44439E-02	-.130945	
9.46124E-03	6.82193E-03	1.44929E-02	7.71600E-03	14
-6.88238E-02	-6.89904E-02	-4.76830E-02	-.118843	
-9.93875E-02	-9.19901E-02	-9.61257E-02	-.141	
-9.16197E-02	-9.33388E-02	-7.94547F-02	-6.38727E-02	
1.22880E-02	3.67800E-03	8.90891E-03	8.49683E-03	15
-6.87030E-02	-8.57284E-02	-6.61661F-02	-4.50274E-02	
-.104944	-9.94560E-02	-9.52801E-02	-7.38071E-02	
-8.92519E-02	-.101383	-.113244	-.111341	
1.08529E-02	5.44312E-03	1.94381E-02	1.09322E-02	16
-6.90654E-02	-9.36759E-02	-9.00855E-02	-8.68122E-02	
-.105307	-.110173	-.14783	-.121131	
-9.84573E-02	-9.48801E-02	-9.78653E-02	-9.07498E-02	
1.13052E-02	3.83338E-03	1.75335E-02	7.74838E-03	17
-8.45285E-02	-9.06655E-02	-6.33876E-02	-7.75400E-02	
-.114367	-.104032	-.119441	-.102226	
-.106177	-8.98828E-02	-4.70065F-02	4.44003E-03	
1.18766E-02	6.50023E-03	1.72299E-02	1.72091E-02	18
-9.16559E-02	-7.70584E-02	-2.18308E-02	3.01130E-02	
-.128139	-9.94560E-02	-7.47433E-02	-2.40748E-02	
-.121978	-.120854	-.138746	-.145082	
2.13444E-02	1.17045E-02	2.14548E-02	8.23670E-03	19
-8.65821E-02	-.107644	-.101683	-.133414	
-.148555	-.141602	-.171508	-.157497	
-.169382	-.186879	-.210467	-.187409	
1.60421E-02	6.99077E-03	3.57425E-02	1.84867E-02	20
-.140099	-.176041	-.163414	-.142927	
-.184676	-.196633	-.266702	-.206748	

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.501456	.505831	.694929	.753019	
1.00788E-02	5.14024E-03	4.26717E-02	1.10803E-02	1
.521071	.514273	.745799	.7695	
.488576	.498923	.607726	.73841	
.208971	.502357	.652606	.678688	
1.93322E-02	3.42873E-02	3.09850E-02	1.02288E-02	2
.240227	.557982	.689943	.69262	
.173278	.449231	.587237	.660619	
-.155905	-.151633	-.162352	-.172811	
1.93336E-02	8.20397E-03	1.69164E-02	8.85585E-03	3
-.113961	-.140446	-.138104	-.158397	
-.176994	-.1623	-.184563	-.185715	
-9.87311E-02	-.120061	-.119077	-.158797	
1.50887E-02	4.77175E-03	1.27312E-02	8.47495E-03	4
-7.48097E-02	-.110136	-9.34717E-02	-.143828	
-.118789	-.126006	-.135102	-.173487	
-7.10642E-02	.208534	-.129073	-5.40430E-02	
1.36557E-02	1.61437E-02	2.19988E-02	2.86611E-02	5
-5.57561E-02	.226135	-9.97359E-02	-2.68531E-03	
-8.92956E-02	.177223	-.170338	-8.65903E-02	
-5.64217E-02	-4.98412E-02	-5.17496E-02	-6.89117E-02	
6.95297E-03	5.83962E-03	6.21988E-03	4.39426E-03	6
-3.89211E-02	-4.09304E-02	-4.20532E-02	-6.13537E-02	
-6.22813E-02	-6.10936E-02	-6.20203E-02	-7.43623E-02	
-8.60982E-02	-5.23779E-02	-5.77267E-02	-7.72242E-02	
1.66337E-03	2.17976E-03	1.38384E-02	5.41262E-03	7
-8.25094E-02	-4.76948E-02	-2.71757E-02	-7.01995E-02	
-8.81211E-02	-5.49796E-02	-7.19386E-02	-8.59398E-02	
-.124297	-.123717	-7.57754E-02	-5.19226E-02	
4.59883E-03	5.32998E-03	1.79776E-02	7.13410E-03	8
-.117223	-.110656	-5.04054E-02	-4.31418E-02	
-.129491	-.130299	-.103129	-6.30448E-02	
-.104395	-8.10617E-02	-7.76416E-02	-5.79845E-02	
7.43671E-03	3.40907E-03	5.98794E-03	7.57880E-03	9
-9.46463E-02	-7.67038E-02	-6.52829E-02	-4.73045E-02	
-.11631	-8.58098E-02	-8.47280E-02	-6.98093E-02	
-.101171	-.100457	-.105348	-.106884	
4.84128E-03	4.55452E-03	7.48304E-03	7.06322E-03	10
-9.45158E-02	-9.24441E-02	-9.64733E-02	-9.90784E-02	
-.108871	-.108705	-.116049	-.122234	
-7.92077E-02	-7.16955E-02	-.10664	-.115196	
1.37608E-02	5.18384E-03	1.57156E-02	1.46261E-02	11
-6.44999E-02	-6.18741E-02	-8.61635E-02	-9.23140E-02	
-.110046	-7.86551E-02	-.132101	-.130689	
-5.50644E-02	-4.33500E-02	-5.10971E-02	7.87971E-04	
1.04789E-02	4.66157E-03	1.85470E-02	1.48869E-02	12
-3.64415E-02	-3.50765E-02	-3.03252E-03	1.79982E-02	
-7.42877E-02	-4.87355E-02	-6.99810E-02	-3.48164E-02	
-.114861	-.101992	-9.82351E-02	-.107144	
5.08336E-03	3.62701E-03	1.18763E-02	7.72444E-03	13
-.108741	-9.58263E-02	-8.18569E-02	-9.17937E-02	
-.123618	-.107534	-.116701	-.115079	
-9.84178E-02	-8.49382E-02	-9.54554E-02	-.134358	
6.58845E-03	4.22084E-03	1.00442E-02	1.11690E-02	14
-8.48585E-02	-7.57932E-02	-7.58537E-02	-.121453	
-.105087	-8.99725E-02	-.107436	-.156316	
-.11015	-.102994	-9.10835E-02	-7.80307E-02	
6.98159E-03	4.53357E-03	1.31802E-02	7.04481E-03	15
-9.77783E-02	-9.36149E-02	-6.30643E-02	-6.40855E-02	
-.121661	-.108445	-.106783	-8.86716E-02	
-9.83134E-02	-.1121	-.102229	-9.60735E-02	
1.29612E-02	5.40229E-03	1.84446E-02	6.47199E-03	16
-8.18569E-02	-.104152	-6.39778E-02	-8.16470E-02	
-.117354	-.118331	-.122444	-.103892	
-.113582	-.109303	-.108467	-.121414	
8.14816E-03	6.81859E-03	1.32224E-02	1.13088E-02	17
-.102476	-.100249	-8.74685E-02	-.10207	
-.12923	-.122624	-.126489	-.135502	
-.116519	-.104685	-7.45487E-02	-3.47643E-02	
7.63430E-03	4.72008E-03	1.97378E-02	2.16738E-02	18
-.102998	-9.66068E-02	-5.35375E-02	-2.94548E-03	
-.127533	-.110526	-.109654	-6.56465E-02	
-.126215	-.122143	-.140401	-.151763	
1.75841E-02	4.46875E-03	1.27442E-02	1.06158E-02	19
-9.43853E-02	-.11638	-.125315	-.135632	
-.158593	-.132901	-.167076	-.169324	
-.182775	-.21021	-.218273	-.193833	
6.38232E-03	1.08878E-02	1.38468E-02	7.14420E-03	20
-.174515	-.201846	-.198136	-.182853	
-.196439	-.23827	-.236765	-.205358	

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.525495	.514846	.764513	.771933	
1.76363E-02	6.01303E-03	3.71132E-03	5.36095E-03	1
.550043	.528453	.771639	.778476	
.494448	.508419	.758849	.763256	
.432785	.641926	.672573	.716127	
1.65826E-02	6.55571E-03	1.53043E-02	1.16228E-02	2
.472263	.654765	.69686	.727223	
.415624	.632781	.644397	.695742	
.475786	.614231	.640482	.673459	
1.54850E-02	9.99304E-03	1.75987E-02	8.71523E-03	3
.491447	.628748	.666061	.691059	
.443943	.598439	.606421	.66218	
.488484	.590191	.598095	.567478	
2.01165E-02	1.16683E-02	2.39694E-02	7.03798E-03	4
.532947	.603512	.627171	.581658	
.463649	.565787	.566617	.556941	
.289218	.557163	.50331	.746827	
1.57448E-02	1.01769E-02	2.25399E-02	3.71132E-03	5
.311351	.573072	.542996	.751549	
.270112	.540941	.470697	.741142	
.277982	.431539	.380257	.62495	
2.02898E-02	5.77713E-03	1.81288E-02	8.66952E-03	6
.304174	.442596	.408446	.639155	
.237486	.423994	.35507	.604943	
.125931	.239429	.175392	.354503	
1.18470E-02	1.14014E-02	7.43240E-03	1.22497E-02	7
.149527	.257875	.190244	.373131	
.11429	.220281	.164012	.336447	
.21042	.43258	.340336	.507873	
1.97620E-02	1.50469E-02	2.02666E-02	1.64573E-02	8
.247796	.443377	.367207	.53912	
.178107	.398888	.314353	.472256	
.115817	.177027	.120946	.253713	
1.17019E-02	1.01984E-02	7.39751E-03	1.32327E-02	8
.135563	.191922	.129951	.271404	
9.51064E-02	.162133	.110897	.230557	
.172887	.286546	.226563	.383824	
9.80532E-03	7.49699E-03	9.36445E-03	1.63067E-02	10
.185676	.299373	.241923	.408774	
.157487	.275697	.214126	.364545	
.183379	.265563	.176175	.326742	
9.10813E-03	6.29943E-03	1.40493E-02	2.07888E-02	11
.198596	.275437	.203686	.375212	
.170799	.256184	.156965	.298462	
.213578	.23701	.554793	.633679	
1.67096E-02	4.10728E-03	2.98807E-02	2.31515E-02	12
.237617	.244347	.602636	.663741	
.190766	.231338	.503975	.60078	
6.80008E-02	9.70120E-02	.111837	.238141	
1.19122E-02	6.78207E-03	9.58008E-03	2.28716E-02	13
9.24963E-02	.109968	.131387	.276998	
5.16486E-02	8.75938E-02	9.69335E-02	.208833	
9.29401E-02	.134685	.131334	.322658	
7.75345E-03	4.55952E-03	8.99841E-03	8.20750E-03	14
.109201	.143791	.146655	.338918	
9.07510E-02	.12818	.11938	.312121	
4.13910E-02	7.23609E-02	9.89824E-02	.208924	
9.59249E-03	4.81008E-03	1.31551E-02	1.15496E-02	
5.72603E-02	8.21303E-02	.118336	.224574	15
2.93324E-02	6.61298E-02	7.80104E-02	.189581	
.150766	.107146	8.87248E-02	.262168	
6.85567E-03	3.78065E-03	1.18084E-02	1.01075E-02	
.167667	.114001	.108679	.284413	16
.144567	.103074	7.05717E-02	.252932	
4.57629E-02	8.63971E-02	9.64767E-02	.26957	
8.00099E-03	5.66089E-03	7.64717E-03	1.10038E-02	
6.14364E-02	9.29273E-02	.112202	.283242	17
3.53356E-02	7.53658E-02	8.74067E-02	.248899	
.107243	.117526	.323775	.533292	
1.07551E-02	8.01049E-03	4.35946E-02	1.83737E-02	
.126427	.128701	.390045	.561884	18
8.71457E-02	.106196	.254191	.508029	
2.95674E-02	4.52511E-02	5.69471E-02	6.15508E-02	
6.33467E-03	5.73191E-03	9.97047E-03	8.10825E-03	
3.87287E-02	5.09098E-02	7.29208E-02	7.40650E-02	19
2.01972E-02	3.58199E-02	3.54661E-02	5.03895E-02	
8.63453E-03	5.44221E-02	9.04344E-02	.397587	
5.82830E-03	2.28780E-03	1.39371E-02	2.11398E-02	
1.60211E-02	5.94954E-02	.111941	.434011	20
-1.46647E-03	5.18204E-02	6.88751E-02	.367017	

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HONEYWELL CP DATA, RUN NO. 64

				LOCATION NUMBER
.484547	.493069	.723523	.748282	
1.31165E-02	1.31782E-02	1.96013E-C2	3.15168E-03	1
.503308	.514672	.741656	.754061	
.464046	.474332	.677387	.744789	
.349958	.597519	.663592	.69944	
4.40237E-02	1.22037E-02	2.07995E-02	8.82096E-03	2
.450516	.611006	.703361	.712156	
.274866	.577771	.638005	.688795	
.4643	.593425	.615572	.638906	
9.82935E-03	1.47894E-02	2.31743E-02	8.30276E-03	3
.475764	.605466	.649602	.654476	
.444838	.563561	.571683	.631597	
.485163	.554097	.559856	.535047	
2.67918E-02	1.61137E-02	2.15900E-02	1.69196E-02	4
.535563	.575603	.594515	.549954	
.443147	.526834	.527831	.490829	
.2764	.560671	.497171	.712806	
2.03086E-02	1.59837E-02	3.87144E-02	4.10123E-03	5
.302893	.578734	.56818	.718057	
.243215	.531169	.429496	.706617	
.259258	.404189	.364346	.613185	
1.52491E-02	1.16399E-02	1.91147E-02	6.09507E-03	6
.273054	.422673	.402677	.626901	
.221953	.382695	.336356	.607754	
.111888	.213533	.140446	.323991	
1.64576E-02	6.53737E-03	9.91467E-03	9.99387E-03	7
.134953	.221336	.162276	.336214	
8.97929E-02	.198215	.129175	.305989	
.207638	.402985	.320893	.466746	
2.27257E-02	1.40347E-02	2.27650E-02	1.87642E-02	8
.243698	.433872	.359308	.497814	
.169645	.382454	.293349	.44483	
.106391	.14758	.127363	.247755	
1.26385E-02	1.54077E-02	1.20865E-02	1.01378E-02	9
.128209	.167629	.145484	.267215	
8.55647E-02	.122955	.10743	.2341	
.164801	.257196	.213074	.375397	
1.52723E-02	9.57078E-03	1.83534E-02	8.01669E-03	10
.183175	.275644	.232584	.386187	
.134611	.245539	.183054	.364391	
.184528	.25728	.151766	.336129	
1.83180E-02	4.71876E-03	6.41402E-03	2.16249E-02	11
.216034	.263602	.166746	.369208	
.163484	.250356	.144759	.301895	
.176652	.218361	.512912	.580817	
1.82562E-02	3.71912E-03	3.63570E-02	1.17813E-02	12
.20649	.22555	.581589	.598964	
.150075	.21387	.443872	.562357	
7.63956E-02	9.64027E-02	9.88774E-02	.225791	
9.90673E-03	7.69034E-03	2.09668E-02	1.57492E-02	13
9.22090E-02	.10995	.143672	.256979	
5.95917E-02	8.14107E-02	7.78332E-02	.210618	
8.46828E-02	.130288	.130661	.308698	
6.96668E-03	3.76996E-03	8.86519E-03	1.72135E-02	14
9.48667E-02	.135839	.144397	.332601	
7.32426E-02	.123557	.118303	.274319	
4.95286E-02	6.74062E-02	8.31365E-02	.220444	
1.52705E-02	5.04352E-03	1.25455E-02	2.00784E-02	15
7.38467E-02	7.45469E-02	.106585	.246503	
2.35918E-02	6.09398E-02	6.23702E-02	.186053	
.160005	.108493	8.31003E-02	.259472	
1.11254E-02	4.85260E-03	7.38211E-02	5.67887E-03	16
.175927	.118018	9.36586E-02	.269262	
.145846	.100918	7.01017E-02	.252764	
4.57354E-02	8.59023E-02	9.07110E-02	.242999	
4.34989E-03	4.35453E-03	7.74077E-03	1.88039E-02	17
5.14978E-02	9.65833E-02	.107672	.268057	
3.79676E-02	8.00861E-02	8.16990E-02	.209655	
.111961	.120498	.314345	.518441	
9.71244E-03	8.20548E-03	3.05727E-02	2.00836E-02	18
.125914	.135117	.368248	.544415	
9.48667E-02	.107782	.270517	.494321	
3.56844E-02	4.84887E-02	5.68857E-02	6.49858E-02	
9.99051E-03	7.51367E-03	1.84744E-02	1.22054E-02	19
5.00481E-02	6.44319E-02	9.70412E-02	9.38137E-02	
2.37127E-02	3.90239E-02	3.73636E-02	5.45577E-02	
1.47489E-02	5.74236E-02	9.35983E-02	.367847	
5.84230E-03	2.77316E-03	1.40974E-02	2.72489E-02	
2.04509E-02	6.03377E-02	.117095	.40437	20
4.98791E-03	5.26310E-02	7.78332E-02	.321282	

HONEYWELL CP DATA, RUN NO. 65

				LOCATION NUMBER
.329095	.50304	.648527	.743224	
3.17497E-02	1.78193E-02	3.81289E-02	2.57334E-03	1
.372235	.523222	.697683	.747318	
.282235	.474453	.605146	.739611	
-.222886	-.221342	.50123	.647239	
3.48590E-03	7.59953E-03	5.56074E-02	1.25804E-02	2
-.218622	-.206868	.558636	.660858	
-.229373	-.232637	.366557	.627864	
9.16533E-02	.135081	.136581	.144955	
5.54203E-02	2.43278E-02	3.86492E-02	2.30317E-02	3
.190303	.16197	.203229	.177985	
2.35918E-02	.100075	9.00345E-02	.114646	
.188575	.243553	.235459	.247093	
3.38471E-02	2.22644E-02	3.36397F-02	2.88465E-02	4
.253846	.296235	.305429	.295031	
.120236	.223744	.191027	.208692	
-.176014	-.152139	9.91794E-02	.517923	
8.60411E-03	1.07506E-02	2.33623E-02	1.91882E-02	5
-.165951	-.134859	.14645	.540562	
-.190233	-.166408	7.28802E-02	.482159	
-9.14627E-02	-.102226	-1.93422E-02	.171543	
6.83178E-03	3.55992E-03	1.52030E-02	1.89174E-02	6
-8.18707E-02	-9.72885E-02	-2.06697E-04	.209896	
-.100475	-.107524	-4.70790E-02	.147038	
-6.58519E-03	4.60562E-02	.182583	.422685	
1.21994E-02	7.75636E-03	1.70538E-02	1.85896E-02	7
1.24778E-02	6.20236E-02	.202625	.442542	
-2.23140E-02	3.63747E-02	.151283	.382454	
-7.15661E-02	-6.17293E-02	1.29973E-02	.24342	
8.34577E-03	9.38795E-03	1.78284E-02	1.44760E-02	8
-5.66225E-02	-5.08074E-02	4.11085E-02	.263361	
-8.29580E-02	-7.75400E-02	-2.15891E-02	.222781	
3.16254E-02	5.20891E-02	.109436	.262338	
8.65516E-03	8.46276E-03	2.11898E-02	1.35192E-02	9
4.78736E-02	6.67198E-02	.154061	.286722	
1.94845E-02	3.87830E-02	7.75916E-02	.24277	
-3.64844E-02	-3.44186E-02	1.91221E-02	8.67452E-02	
7.04421E-03	4.64500E-03	3.12156E-02	1.70124E-02	10
-2.91999E-02	-2.69648E-02	9.23299E-02	.117175	
-5.08239E-02	-4.02107E-02	-1.98979E-02	5.19085E-02	
-5.41338E-03	-1.44838E-03	9.61351E-02	.246539	
1.90777E-02	1.03382E-02	4.67394E-02	1.64185E-02	11
2.87865E-02	1.51812E-02	.163242	.272874	
-2.77502E-02	-1.34781E-02	2.51623E-02	.223744	
8.41271E-02	.177696	.304536	.416074	
3.25064E-02	2.61726E-02	4.17433E-02	1.57815E-02	12
.162397	.233739	.376704	.446997	
3.94173E-02	.151734	.245631	.382815	
2.43046E-02	4.43343E-02	.159497	.315935	
1.45363E-02	6.11194E-03	2.79912F-02	2.79942E-02	13
5.16186E-02	5.43168E-02	.204074	.363669	
2.93423E-03	3.38459E-02	.129538	.277089	
4.98791E-03	9.48551E-03	8.20493F-02	.174975	
1.82952E-02	1.09640E-02	2.06051E-02	2.31810E-02	14
4.05045E-02	2.72230E-02	.119028	.208451	
-2.09851E-02	-5.89177E-03	5.69340F-02	.147159	
3.85837E-02	5.52320E-02	.134769	.278161	
1.91288E-02	1.17550E-02	2.42900E-02	2.03952E-02	15
7.22762E-02	7.00915E-02	.170732	.315381	
1.42899E-02	3.96259E-02	.105739	.24843	
7.69634E-02	7.17894E-02	.17734	.33696	
1.86848E-02	1.53175E-02	1.68018E-02	2.91242E-02	16
.108276	9.41749E-02	.200329	.389234	
5.35514E-02	3.62543E-02	.1479	.303821	
3.74723E-02	3.05826E-02	.114268	.178347	
3.C5818E-02	7.63455E-03	3.23211E-02	1.68701E-02	17
.102236	4.58876E-02	.161189	.196891	
3.41745E-03	2.27675E-02	6.33366F-02	.149206	
7.69513E-02	.108047	.22379	.387632	
1.93922E-02	1.97245E-02	4.91357E-02	3.74167E-02	18
.104169	.139813	.290087	.432186	
5.34306E-02	8.58662E-02	.158772	.32947	
6.52574E-02	7.98092E-02	8.19527F-02	8.67934E-02	
2.44219E-02	1.58837E-02	3.29136F-02	1.17763E-02	19
9.92157E-02	.104892	.128088	.103688	
1.29610E-02	5.85315E-02	1.90013E-02	6.92486E-02	
-3.60012E-02	-1.25388E-02	7.91741F-02	.223298	
1.02276E-02	3.07399E-03	1.28530E-02	1.30310E-02	
-1.62737E-02	-8.90221E-03	.105014	.236388	20
-4.93743E-02	-1.72110E-02	6.41823F-02	.19099	

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HONEYWELL CP DATA, RUN NO. 66

				LOCATION NUMBER
.353961	.510085	.656652	.767133	
1.44852E-02	1.15943E-02	1.78472E-02	5.02955E-03	1
.383389	.535607	.678198	.773533	
.334712	.494891	.621559	.760655	
-.238057	-.232052	.534187	.674499	
5.14909E-03	4.30217E-03	3.48248E-02	8.94027E-03	2
-.229587	-.227343	.587106	.685336	
-.243943	-.241782	.480223	.656587	
.109331	.132772	.176254	.174868	
3.33456E-02	2.48553E-02	2.68578E-02	1.96142E-02	3
.15827	.166165	.228742	.214167	
5.09961E-02	9.91714E-02	.132822	.154718	
.256383	.266305	.285159	.250734	
2.22746E-02	2.64488E-02	3.53849E-02	2.53908E-02	4
.309524	.316154	.336669	.287405	
.231352	.236151	.225349	.216638	
-.18074	-.151854	7.72796E-02	.550008	
9.12538E-03	7.55775E-03	1.71923E-02	1.54743E-02	5
-.167598	-.139275	.103589	.578145	
-.195134	-.166072	5.41282E-02	.533136	
-.10249	-.112698	-4.30972E-02	.233081	
7.43003E-03	1.66709E-03	1.91508E-02	1.38145E-02	6
-8.95566E-02	-.109745	-1.29508F-02	.261908	
-.111481	-.114559	-7.05030F-02	.215988	
-1.10063E-02	4.94658E-02	.197539	.345475	
9.84205E-03	9.78559E-03	4.08087E-02	1.24634E-02	7
7.79930E-03	6.66501E-03	.267894	.361293	
-2.23471E-02	3.46491E-02	.14261	.320837	
-6.14591E-02	-6.16920E-02	7.44738E-02	.28384	
9.24835E-03	4.51149E-03	2.19838E-02	2.28600E-02	8
-4.70123E-02	-5.31584E-02	.115465	.309909	
-7.58537E-02	-6.61669E-02	4.81250E-02	.239793	
4.23045E-02	6.74696E-02	9.16741E-02	.221451	
6.51881E-03	5.72333E-03	1.35768E-02	1.13322E-02	9
5.46502E-02	7.62764E-02	.11429	.243176	
3.37696E-02	6.06662E-02	7.39648E-02	.209484	
-3.20827E-02	-3.83287E-02	2.56131E-02	9.86251E-02	
1.64293E-02	7.33402E-03	3.01095E-02	1.42927E-02	10
8.45182E-03	-2.59706E-02	7.14852E-02	.124148	
-4.66208E-02	-4.73045E-02	-1.47779E-02	8.29108E-02	
-1.37512E-03	6.06943E-03	.107256	.286754	
1.51128E-02	1.07700E-02	2.06016E-02	1.97213E-02	11
2.13717E-02	2.59334E-02	.136085	.314853	
-2.49572E-02	-8.79931E-03	6.09144E-02	.258526	
.115191	.190751	.349093	.44888	
3.98641E-02	1.25702E-02	4.00210E-02	1.82861E-02	12
.200293	.207662	.413405	.469914	
7.30512E-02	.165645	.271939	.415409	
3.32967E-02	8.18961E-02	.134897	.286715	
1.22184E-02	1.17978E-02	1.54972E-02	2.16646E-02	13
5.06046E-02	9.64396E-02	.168711	.32578	
1.60211E-02	5.93653E-02	.114421	.258136	
7.92981E-03	1.15981E-02	7.41997E-02	.191727	
7.68076E-03	6.84032E-03	2.22198E-02	1.52135E-02	14
2.39818E-02	2.03398E-02	.108679	.216899	
-3.81554E-03	6.96910E-04	2.88104E-02	.1728	
3.68364E-02	5.80515E-02	.129403	.311145	
1.37214E-02	9.50262E-03	2.85235E-02	2.96015E-02	15
6.41770E-02	7.86180E-02	.177454	.349065	
1.77176E-02	4.66170E-02	8.50576E-02	.253973	
9.12696E-02	7.17495E-02	.16088	.351147	
2.57150E-02	6.94385E-03	1.82251F-02	1.71923E-02	16
.143262	8.62930E-02	.17902	.377814	
4.95606E-02	6.43086E-02	.115074	.317324	
2.38904E-02	3.65874E-02	9.98307F-02	.228554	
1.78070E-02	8.03176E-03	3.04718E-02	2.19806E-02	17
4.57759E-02	5.15602E-02	.146003	.272965	
-8.51368E-03	2.38521E-02	5.88263E-02	.207012	
6.34592E-02	8.36392E-02	.21517	.370204	
9.89910E-03	1.14432E-02	3.71067E-02	2.41791E-02	18
8.00985E-02	.103204	.268546	.398107	
5.02131E-02	6.76908E-02	.1738	.333845	
8.23954E-02	.106638	.104503	.109513	
1.82484E-02	1.36414E-02	3.12634F-02	1.82122E-02	19
.108809	.125709	.166623	.14236	
5.28231E-02	8.25205E-02	6.44380F-02	8.83744E-02	
-4.00826E-02	-1.38336E-02	8.08032E-02	.274032	
3.41203E-03	2.91253E-03	1.90706E-02	2.10977E-02	20
-3.57890E-02	-1.03603E-02	.101632	.313422	
-4.57073E-02	-1.82955E-02	3.46831E-02	.247338	

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HONEYWELL CP DATA, RUN NO. 67

				LOCATION NUMBER
.504458	.505441	.727789	.773286	
1.08935E-02	4.73802E-03	1.00393E-02	2.84235E-03	1
.516243	.515054	.743972	.775615	
.478788	.498533	.713303	.767549	
-1.13978E-02	.316427	.627523	.698981	
3.87579E-03	1.19140E-02	2.04431E-02	6.84237E-03	2
-6.03411E-03	.332544	.654707	.711483	
-1.73880E-02	.294689	.589847	.689498	
.307945	.433178	.444987	.447253	
2.38041E-02	2.40142E-02	2.47603E-02	1.57111E-02	3
.347109	.464451	.497711	.474077	
.273114	.397067	.408055	.431279	
.260455	.287678	.297244	.283749	
3.59327E-02	9.77361E-03	2.56451E-02	2.22553E-02	4
.319704	.300803	.326229	.313942	
.200032	.267502	.256931	.254753	
-2.65754E-02	.140369	.403422	.707788	
9.78668E-03	7.73100E-03	2.27380E-02	7.62508E-03	5
-1.42559E-02	.156149	.445379	.718117	
-4.15312E-02	.132473	.361334	.694962	
1.40504E-02	9.11972E-02	.282719	.557189	
8.36439E-03	7.23802E-03	1.15664E-02	1.78546E-02	6
2.31988E-02	.103985	.30065	.577104	
-2.91937E-04	8.00489E-02	.262412	.525721	
3.18512E-02	6.68973E-02	9.55371E-02	.304524	
8.33140E-03	7.71318E-03	1.92921E-02	2.11143E-02	7
4.52539E-02	8.36913E-02	.118336	.335796	
1.79786E-02	5.54628E-02	6.50905E-02	.261388	
7.18376E-02	.141384	.213852	.472477	
1.48766E-02	5.49289E-03	3.02154E-02	1.66334E-02	8
9.98046E-02	.151596	.267372	.494891	
4.82555E-02	.135205	.174844	.445068	
4.16520E-02	5.59831E-02	6.31852E-02	.147277	
3.91269E-02	5.17900E-02	1.42326E-02	1.98939E-02	9
4.83860E-02	6.26175E-02	8.02290E-02	.1728	
3.66407E-02	4.96089E-02	3.83372E-02	.118294	
3.63536E-02	6.90047E-02	.133918	.336655	
4.98343E-03	3.35954E-03	1.26614E-02	1.23554E-02	10
4.68200E-02	7.40650E-02	.150179	.360773	
2.95935E-02	6.43086E-02	.112855	.316674	
6.29764E-02	8.89597E-02	.108183	.302091	
5.79278E-03	2.79055E-03	2.34837E-02	1.41434E-02	11
7.23987E-02	9.26672E-02	.161794	.322007	
5.45197E-02	8.29108E-02	8.10120E-02	.283632	
7.90544E-02	.103737	.305583	.468926	
8.67137E-03	8.01268E-03	3.84180E-02	2.64548E-02	12
9.26268E-02	.116082	.345282	.52403	
6.35245E-02	9.07159E-02	.235659	.438043	
1.61342E-03	1.35753E-02	7.22030E-02	.196527	
7.52804E-03	4.74704E-03	1.44908E-02	1.82970E-02	13
1.60211E-02	2.39822E-02	9.83690E-02	.228346	
-3.42721E-03	7.07108E-03	5.26926E-02	.169417	
1.53424E-02	3.51565E-02	8.24997E-02	.281655	
6.26653E-03	2.36732E-03	9.84686E-03	1.48626E-02	14
2.25462E-02	3.86818E-02	9.69335E-02	.303145	
5.84175E-03	3.10068E-02	6.99192E-02	.253713	
9.65246E-03	2.18748E-02	5.34496E-02	.200469	
6.40274E-03	4.13297E-03	1.24200E-02	1.33075E-02	15
2.25462E-02	2.72343E-02	7.03107E-02	.21885	
1.79612E-03	1.63071E-02	3.14205E-02	.179174	
4.02295E-02	3.56768E-02	8.28260E-02	.259879	
7.29776E-03	4.93699E-03	1.69388E-02	1.00772E-02	16
5.07351E-02	4.44055E-02	.105808	.277388	
2.88104E-02	2.97059E-02	5.21706E-02	.245387	
-1.97544E-03	1.19623E-02	7.59615E-02	.251111	
4.68235E-03	3.54181E-03	9.49796E-03	1.11518E-02	17
6.23326E-03	1.96894E-02	8.93642E-02	.271404	
-1.07322E-02	8.24185E-03	6.28720E-02	.235371	
4.69374E-02	7.87611E-02	.246126	.433972	
1.13314E-02	9.90234E-03	4.08059E-02	3.14643E-02	18
6.20989E-02	9.27973E-02	.326751	.472516	
2.77664E-02	6.50891E-02	.192854	.370269	
1.84093E-02	5.10399E-02	5.63468E-02	5.55799E-02	
8.06367E-03	7.14967E-03	1.60868E-02	1.32793E-02	19
3.66407E-02	6.22272E-02	9.01473E-02	7.26340E-02	
8.97384E-03	3.84216E-02	2.67224E-02	3.15271E-02	
-3.29701E-02	-1.73568E-03	9.27835E-02	.305604	
5.11153E-03	3.24012E-03	1.27401E-02	1.27582E-02	
-2.19556E-02	5.37998E-03	.116901	.336837	20
-3.95736E-02	-5.02684E-03	7.21377E-02	.293259	

HONEYWELL CP DATA, RUN NO. 68

				LOCATION NUMBER
.439825	.473598	.723571	.750136	
1.92029E-02	3.96996E-03	2.16191E-02	2.93406E-03	1
.464771	.479992	.738877	.757072	
.404973	.466385	.683186	.746957	
-2.91273E-03	.276041	.615125	.65833	
5.82741E-03	1.76499E-02	2.67949E-02	8.08045E-03	2
6.92079E-03	.297198	.637039	.672178	
-1.39784E-02	.247225	.558153	.645806	
.313922	.38072	.424797	.411077	
1.12324E-02	2.20858E-02	5.83377E-02	2.61925E-02	3
.332127	.424118	.50814	.463615	
.298423	.361381	.339496	.379443	
.254993	.261423	.279638	.265444	
2.77918E-02	2.02539E-02	1.74793E-02	1.18841E-02	4
.309899	.289371	.309416	.286722	
.206249	.229404	.245389	.249634	
-2.37032E-02	.13319	.368212	.698795	
7.01402E-03	1.49248E-02	1.04022E-02	5.52519E-03	5
-1.37368E-02	.151012	.383349	.692769	
-3.56025E-02	.102725	.351215	.674104	
1.49664E-02	9.24891E-02	.268451	.548172	
1.06942E-02	1.16019E-02	2.02560E-02	1.35852E-02	6
2.60616E-02	.111274	.307846	.565488	
3.97327E-04	8.04474E-02	.24092	.517562	
3.75206E-02	7.58956E-02	.10133	.312335	
1.28665E-02	6.77986E-03	1.59987E-02	3.00415E-02	7
6.69608E-02	8.49028E-02	.133524	.344041	
2.63704E-02	6.39502E-02	7.90413E-02	.261555	
7.29527E-02	.130481	.206684	.434113	
2.25073E-02	6.78985E-03	2.28256E-02	3.42646E-02	8
.103323	.142824	.241403	.470358	
4.24374E-02	.123195	.174235	.360538	
3.10455E-02	5.29321E-02	6.90749E-02	.156828	
7.42649E-03	5.42489E-02	2.06538E-02	2.07797E-02	9
4.01421E-02	5.99765E-02	.107189	.198938	
1.94845E-02	4.48039E-02	4.12293E-02	.126206	
4.24857E-02	6.91643E-02	.128462	.337141	
7.69120E-03	5.47232E-03	1.66769E-02	1.93579E-02	10
5.33098E-02	7.85207E-02	.158893	.363307	
3.07193E-02	6.03377E-02	.114799	.308518	
6.00870E-02	8.49751E-02	9.99526E-02	.281568	
5.62026E-03	5.54799E-03	1.80467E-02	2.27737E-02	11
6.92896E-02	9.74262E-02	.119994	.316224	
5.04105E-02	7.75574E-02	7.10681E-02	.249634	
6.91957E-02	9.57886E-02	.272643	.435149	
1.05498E-02	1.28122E-02	2.42557E-02	2.15301E-02	12
8.32694E-02	.111033	.317027	.466626	
5.16186E-02	6.90077E-02	.2379	.406296	
3.36913E-03	1.67708E-02	6.06548E-02	.21505	
6.50327E-03	5.20879E-03	1.74156E-02	3.26729E-02	13
1.51355E-02	2.72230E-02	9.24506E-02	.26601	
-6.00533E-03	1.12075E-02	3.47059E-02	.174132	
1.88563E-02	3.57244E-02	9.29096E-02	.257256	
6.91408E-03	3.05639E-03	1.34505E-02	2.79350E-02	14
2.90281E-02	3.92647E-02	.113833	.304062	
1.01925E-02	2.97517E-02	7.56587E-02	.220252	
4.69810E-04	2.50795E-02	6.56802E-02	.194422	
1.33171E-02	7.10072E-03	2.05191E-02	2.73569E-02	
3.31354E-02	3.56522E-02	.103081	.220011	15
-1.44617E-02	1.20504E-02	4.23166E-02	.147881	
4.45515E-02	3.36533E-02	8.55405E-02	.23982	
6.56808E-03	4.23069E-03	1.72942E-02	1.26061E-02	
5.45179E-02	3.96259E-02	.113108	.255414	16
3.19274E-02	2.77046E-02	6.27326E-02	.216639	
1.42417E-03	2.24906E-02	7.42814E-02	.221119	
4.80377E-03	6.53531E-03	2.10039E-02	1.24751E-02	
1.01825E-02	3.24009E-02	.113954	.242047	17
-4.91808E-03	1.22912E-02	4.18334E-02	.198697	
5.78038E-02	8.36505E-02	.265938	.478619	
1.29254E-02	1.45896E-02	4.59089E-02	4.16945E-02	
7.62895E-02	.101641	.343	.543331	18
4.31622E-02	6.05786E-02	.198517	.420997	
2.17073E-02	3.86265E-02	3.23864E-02	4.26123E-02	
1.48610E-02	1.14469E-02	1.79645E-02	1.79251E-02	
5.47595E-02	5.76885E-02	5.13770E-02	6.74423E-02	19
1.60537E-03	2.49350E-02	2.20940E-03	1.54221E-02	
-2.66871E-02	-2.84522E-03	7.96211E-02	.290985	
5.56284E-03	4.28323E-03	1.49369E-02	1.57074E-02	
-2.07435E-02	4.46411E-03	9.86116E-02	.307675	20
-3.65689E-02	-7.45720E-03	5.17374E-02	.264686	

				LOCATION NUMBER
.10406	.264614	.466209	.601505	
3.20339E-02	2.95688E-02	2.07740E-02	1.97779E-02	1
.138356	.328146	.51261	.629791	
4.25582E-02	.238435	.433966	.566331	
-.375741	-.381004	-.39345	1.47718E-02	
5.88221E-03	6.86894E-03	1.27283E-02	2.53365E-02	2
-.365641	-.372321	-.379051	5.60027E-02	
-.386057	-.393274	-.41348	-2.60015E-02	
-.388956	-.386278	-.365955	-.373333	
2.23451E-02	2.44074E-02	1.99869E-02	1.34886E-02	3
-.362259	-.349683	-.332057	-.357269	
-.43305	-.428195	-.398863	-.398452	
-.115213	-.106765	-.119622	-.113147	
4.55541E-02	2.75118E-02	4.82531E-02	1.71622E-02	4
-3.71730E-02	-5.50220E-02	-2.95623E-02	-8.24772E-02	
-.190958	-.135702	-.204367	-.137989	
-.367695	-.380931	-.398186	-.393756	
6.67086E-03	7.33515E-03	2.57546E-02	2.32663E-02	5
-.358755	-.367625	-.378567	-.364253	
-.381829	-.39219	-.466996	-.4412	
-.358236	-.382689	-.407416	-.392046	
2.21509E-02	9.59066E-03	4.18953E-02	1.30430E-02	6
-.333024	-.37184	-.366849	-.373887	
-.409856	-.404714	-.497681	-.412541	
-.178599	-.176415	1.24053E-02	.192146	
2.74970E-02	1.48979E-02	4.34177E-02	2.69303E-02	7
-.127897	-.158581	6.24910E-02	.260471	
-.214273	-.205784	-7.46225E-02	.162813	
-.241816	-.295796	-.272791	-.283285	
3.20887E-02	2.78111E-02	2.95766E-02	2.53817E-02	8
-.183709	-.247569	-.208837	-.242993	
-.284219	-.34005	-.309346	-.318134	
1.88684E-02	1.95042E-02	.110161	.336635	
1.81667E-02	1.23217E-02	3.81221E-02	2.07326E-02	9
5.07729E-02	4.69714E-02	.171095	.361622	
-5.69111E-04	6.39078E-03	6.73232E-02	.305266	
-.179034	-.191924	-.189496	-.18724	
2.12639E-02	1.54347E-02	3.14202E-02	1.31344E-02	10
-.150246	-.173633	-.126206	-.162193	
-.213186	-.218549	-.229736	-.200125	
-9.28640E-02	-.112594	-6.19500E-02	-2.12811E-02	
2.48491E-02	6.16125E-03	5.70079E-02	2.29710E-02	11
-5.63809E-02	-.103189	5.28266E-02	2.45738E-02	
-.137683	-.122335	-.138891	-4.77970E-02	
-3.33193E-02	-3.62730E-02	5.16306E-02	9.40907E-02	
2.30584E-02	1.49437E-02	3.77704E-02	3.09498E-02	12
2.57181E-03	-1.87764E-02	.108518	.14186	
-6.78574E-02	-6.26083E-02	-8.66303E-03	5.32331E-02	
8.93823E-03	5.36907E-02	.199363	.3957	
2.37341E-02	1.48260E-02	5.70926E-02	5.91692E-02	13
4.84776E-02	7.74370E-02	.314248	.485651	
-2.05019E-02	3.48093E-02	.139685	.301895	
-5.80601E-02	-3.51411E-02	-1.74939E-02	1.99739E-02	
2.74817E-02	1.97394E-02	4.81948E-02	3.50777E-02	14
-1.35690E-02	4.34369E-03	9.42627E-02	5.31127E-02	
-9.57633E-02	-6.12837E-02	-7.31728E-02	-3.91269E-02	
2.52590E-02	3.42192E-02	.184274	.370051	
2.49832E-02	2.04204E-02	3.47402E-02	3.27548E-02	15
6.38198E-02	7.14161E-02	.246114	.435678	
-3.54223E-03	1.22912E-02	.129296	.336455	
2.32657E-02	1.97451E-02	.127424	.178238	
2.96353E-02	1.38444E-02	4.44776E-02	3.22923E-02	16
5.94709E-02	3.90239E-02	.216276	.232173	
-2.79918E-02	2.29660E-03	4.81152E-02	.13319	
3.39329E-03	6.10178E-03	4.75716E-02	.159622	
1.64371E-02	1.21087E-02	2.55758E-02	3.20187E-02	17
1.83972E-02	2.58984E-02	7.60211E-02	.198456	
-2.59381E-02	-1.04676E-02	-8.30062E-03	.112117	
3.83421E-02	6.19754E-02	.182511	.316429	
2.98628E-02	2.01398E-02	6.42306E-02	5.14373E-02	18
.103806	.1014	.296973	.389438	
-7.45499E-03	3.08355E-02	.101632	.236147	
2.21664E-02	4.93075E-02	7.10198E-02	6.55397E-02	
3.98687E-02	2.50596E-02	5.03403E-02	2.07616E-02	19
9.71620E-02	.104772	.149712	8.27353E-02	
-2.66629E-02	1.06054E-02	-1.14415E-02	2.13225E-02	
-4.58347E-02	-4.41064E-03	8.77513E-02	.241481	
1.10711E-02	1.42227E-02	3.99030E-02	2.16470E-02	
-3.00455E-02	1.75896E-02	.163484	.27444	20
-6.82198E-02	-2.55198E-02	3.28132E-02	.20821	

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				LOCATION NUMBER
.111211	.324089	.492478	.636072	
3.11842E-02	1.91580E-02	1.54743E-02	2.81025E-02	1
.137651	.366367	.509326	.671807	
4.89080E-02	.29482	.466651	.579446	
-.386753	-.392447	-.410688	-2.26534E-02	
5.70214E-03	4.48308E-03	1.57584E-02	2.07702E-02	2
-.379928	-.386827	-.395066	1.73478E-02	
-.395849	-.399705	-.445049	-5.15973E-02	
-.407255	-.414978	-.398264	-.385721	
2.36523E-02	1.15040E-02	1.82108E-02	1.57090E-02	3
-.379536	-.393071	-.371315	-.367704	
-.456925	-.428714	-.424038	-.418308	
-9.44897E-02	-9.90784E-02	-8.33316E-02	-.129557	
7.16949E-02	2.32980E-02	5.21330E-02	1.63360E-02	4
8.50576E-02	-5.26380E-02	6.36376E-03	-9.34848E-02	
-.157158	-.124445	-.164074	-.149942	
-.382107	-.38178	-.420201	-.396115	
5.85965E-03	2.60531E-03	1.29142E-02	8.90502E-03	5
-.374447	-.377851	-.402766	-.386567	
-.39076	-.385656	-.436175	-.409202	
-.373259	-.380141	-.421702	-.431095	
1.40901E-02	6.55318E-03	1.99712E-02	1.36980E-02	6
-.352261	-.371087	-.396893	-.413885	
-.392587	-.39138	-.454445	-.460715	
-.180374	-.163562	4.29571E-02	.16545	
1.77623E-02	1.08340E-02	2.48853E-02	1.30377E-02	7
-.152068	-.14721	7.70969E-02	.189451	
-.202051	-.17817	7.79930F-03	.144831	
-.279923	-.307228	-.306885	-.305433	
1.61875E-02	1.77285E-02	2.38808E-02	1.31436E-02	8
-.247727	-.285361	-.262083	-.28458	
-.3028	-.331671	-.335295	-.334012	
1.38938E-02	7.66948E-03	8.40005E-02	.244685	
1.36440E-02	9.47785E-03	4.75653E-02	3.36834E-02	9
3.16815E-02	2.04699E-02	.143393	.304446	
-8.64419E-03	-7.88871E-03	9.49586E-03	.200378	
-.180714	-.202431	-.192472	-.195081	
1.01822E-02	1.16793E-02	2.86311F-02	1.84140E-02	10
-.162247	-.185195	-.133797	-.166463	
-.192655	-.221228	-.234155	-.224351	
-.101941	-.116328	-7.59189E-02	-4.70054E-02	
2.32856E-02	1.13698E-02	2.45147F-02	1.50672E-02	11
-7.07640E-02	-.103501	-2.56097E-02	-2.44095E-02	
-.137974	-.138885	-.114613	-7.81347E-02	
-4.70776E-02	-3.29041E-02	8.56318E-02	.136857	
2.59467E-02	2.40625E-02	3.53086E-02	2.86878E-02	12
-1.32118E-02	3.03844E-03	.158792	.1888	
-8.59025E-02	-8.30780E-02	4.31659F-02	.104635	
1.63734E-02	6.44777E-02	.177859	.306319	
3.30088E-02	2.13005E-02	3.33211E-02	1.40542E-02	13
8.19255E-02	8.52523E-02	.230569	.3263	
-3.91821E-02	1.95593E-02	.118597	.284543	
-5.31199E-02	-4.20621E-02	-1.33293E-02	5.76482E-02	
9.27053E-03	1.78556E-02	2.77955E-02	2.41379E-02	14
-3.43535E-02	-5.02684E-03	2.46343E-02	.102684	
-6.76320E-02	-6.88987E-02	-7.40266E-02	2.65839E-02	
1.10750E-02	3.09417E-02	.166623	.341052	
1.53463E-02	9.65710E-03	3.63066E-02	2.01946E-02	15
3.93813E-02	5.28611E-02	.237225	.363895	
-7.07814E-03	2.16406E-02	.100849	.305617	
7.46000E-03	2.39561E-02	.121494	.185405	
3.33754E-02	1.89145E-02	2.53576E-02	2.04841E-02	16
4.85165E-02	4.70072E-02	.169755	.205971	
-5.24935E-02	-9.83999E-03	7.73579F-02	.134945	
1.92836E-02	1.58518E-02	6.63695E-02	.124265	
2.95398E-02	1.42787E-02	6.01348E-02	2.96769E-02	17
6.14364E-02	3.77712E-02	.188547	.178523	
-2.74367E-02	-6.45778E-03	7.92981E-03	8.62930E-02	
6.05229E-02	5.40449E-02	.180365	.339387	
2.84160E-02	1.69698E-02	3.81516E-02	3.29445E-02	18
9.71945E-02	7.67968E-02	.239052	.384188	
1.71956E-02	3.37386E-02	.132561	.29599	
3.59621E-02	5.12480E-02	6.84445F-02	6.03410E-02	
3.45852E-02	1.51572E-02	2.49159E-02	9.64463E-03	19
8.74067E-02	7.75773E-02	.105286	7.92684E-02	
-2.73062E-02	2.97059E-02	3.55966F-02	4.98691E-02	
-4.89046E-02	-1.30921E-02	.100157	.253023	
6.91521E-03	1.17302E-02	1.57951E-02	1.66548E-02	20
-3.76161E-02	3.68887E-03	.117162	.270494	
-6.25423E-02	-2.66210E-02	6.91361E-02	.217289	

HONEYWELL CP DATA. RUN NO. 71

				LOCATION NUMBER
.454396	.501834	.689905	.754414	
2.06189E-02	2.93406E-03	3.04775E-02	6.05692E-03	1
.488234	.506543	.721433	.76062	
.422072	.497697	.635957	.744748	
-6.13430E-02	-6.74383E-02	2.27365E-02	.660212	
3.29572E-03	2.38273E-03	6.13956E-03	8.27480E-03	2
-5.59404E-02	-6.30150E-02	3.81483F-02	.675537	
-6.55972E-02	-7.13412E-02	1.71382E-02	.647307	
-7.60761E-02	-5.85267E-02	-4.41434E-02	-3.44461E-02	
6.76053E-03	6.77944E-03	1.12472E-02	7.71908E-03	3
-6.52057E-02	-4.63628E-02	-2.12281E-02	-1.95631E-02	
-8.72598E-02	-6.74383E-02	-5.71148E-02	-4.21997E-02	
-1.71304E-02	5.97464E-03	-3.21942E-03	5.59736E-03	
2.28346E-02	1.21130E-02	2.07437E-02	1.72202E-02	4
1.07438E-02	2.50597E-02	3.20149E-02	2.88324E-02	
-5.39829E-02	-9.28557E-03	-3.80622E-02	-2.74990E-02	
-.112955	-.101185	-6.36397E-02	.299158	
3.58338E-03	3.13225E-03	1.39372E-02	2.35896E-02	5
-.106182	-9.71001E-02	-3.01019E-02	.335338	
-.11623	-.106207	-8.11264E-02	.273802	
-.122442	-.11491	-5.45310E-02	8.45784E-02	
2.21414E-03	2.67003E-03	1.97793E-02	1.38849E-02	6
-.119623	-.111801	-2.29245E-02	.115736	
-.126409	-.119216	-8.37363E-02	6.60398E-02	
-9.76212E-02	-8.11634E-02	1.19835E-02	.139049	
7.98992E-03	3.57036E-03	2.13012E-02	1.13035E-02	7
-8.00824E-02	-7.49838E-02	4.36292E-02	.155155	
-.109314.	-8.56517E-02	-2.38380E-02	.124323	
-.120289	-.105309	-1.71565E-02	.109622	
3.98686E-03	3.50337E-03	2.74194E-02	1.77741E-02	8
-.11349	-.101263	3.24064E-02	.137202	
-.125234	-.11115	-5.12425E-02	8.03502E-02	
2.99716E-05	-1.10549E-02	-6.26001E-03	.11009	
1.40970E-02	7.78392E-03	1.52550E-02	1.99804E-02	9
1.85737E-02	3.98418E-03	2.04006E-02	.130437	
-2.44905E-02	-2.41165E-02	-2.34465E-02	6.81213E-02	
-9.99441E-02	-9.57080E-02	-5.51182E-02	3.31256E-02	
5.75506E-03	3.26869E-03	1.65835E-02	9.02955E-03	10
-9.26101E-02	-9.22865E-02	-2.63175E-02	4.39235E-02	
-.111793	-.101133	-7.64285E-02	1.93355E-02	
-7.93516E-02	-6.61113E-02	-8.21747E-03	.148859	
1.41617E-02	7.77205E-03	2.24818E-02	1.99569E-02	11
-5.73758E-02	-5.40384E-02	1.79212E-02	.169726	
-.105007	-7.55042E-02	-4.04112F-02	.115996	
-7.36358E-02	-4.80280E-02	4.23372E-02	.123633	
2.42283E-02	1.10235E-02	1.43135E-02	1.57151E-02	12
-7.26483E-03	-3.53047E-02	6.59442E-02	.151252	
-9.20882E-02	-6.61373E-02	1.85737E-02	.103117	
-2.46732E-02	-1.03263E-02	5.35470E-02	.168321	
9.13067E-03	9.99327E-03	2.18035E-02	1.87115E-02	13
-7.65633E-03	1.03589E-02	8.16039E-02	.197046	
-3.46693E-02	-2.54174E-02	1.84432F-02	.140194	
-6.78809E-02	-6.71521E-02	-8.15222E-03	.104236	
9.60564E-03	6.01294E-03	1.29882E-02	1.97610E-02	14
-5.18949E-02	-5.69005E-02	1.49197E-02	.138893	
-8.54328E-02	-7.64149E-02	-2.38380E-02	6.94222E-02	
-1.80700E-02	-2.57264E-03	4.96320E-02	.169127	
6.32183E-03	5.92130E-03	2.81264E-02	3.71000E-02	
-9.22230E-03	6.45599E-03	9.17827E-02	.220723	15
-2.56650E-02	-1.22778E-02	2.26148F-03	.110272	
-4.26688E-02	-4.14062E-02	-2.72352F-03	.11718	
2.18297E-02	1.37358E-02	2.69741E-02	2.19501E-02	
-6.74284E-03	-1.60505E-02	5.10675E-02	.150472	16
-7.31660E-02	-5.74209E-02	-3.87147E-02	8.32124E-02	
-5.57316E-02	-4.72214E-02	1.21923E-02	.126495	
5.71306E-03	4.07713E-03	2.89214E-02	2.26991E-02	
-4.77190E-02	-3.99881E-02	8.00379E-02	.167124	17
-6.53362E-02	-5.28676E-02	-1.19627E-02	.102987	
-4.27862E-02	-8.27082E-03	.12827	.235424	
6.84997E-03	8.33897E-03	2.92698E-02	2.84782E-02	
-3.15374E-02	5.93561E-03	.170081	.279136	18
-5.29084E-02	-1.80020E-02	7.84720E-02	.186118	
1.28318E-02	4.38715E-02	2.89873E-02	3.65861E-02	
2.29591E-02	1.21649E-02	2.07070E-02	2.01522E-02	
6.59442E-02	6.74708E-02	6.03328E-02	6.72106E-02	19
-1.35287E-02	2.90926E-02	3.17496F-03	3.41501E-04	
-6.91597E-02	-5.71347E-02	1.25838E-02	.142354	
5.79778E-03	4.00705E-03	1.69581E-02	1.44172E-02	
-6.11603E-02	-5.15666E-02	3.47553E-02	.166604	20
-7.95604E-02	-6.32752E-02	-1.78351E-02	.115346	

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HONEYWELL CP DATA, RUN NO. 72

				LOCATION NUMBER
.405436	.488906	.677897	.760312	
2.18666E-02	4.22843E-03	3.66256E-02	3.19343E-03	1
.437169	.494578	.715732	.764575	
.367106	.481331	.616072	.752773	
-5.49044E-02	-5.67000E-02	3.33391E-02	.611115	
3.00264E-03	2.80451E-03	6.82977E-03	1.76363E-02	2
-5.17032E-02	-5.13169E-02	4.03455E-02	.63343	
-5.99175E-02	-6.02285E-02	1.71521E-02	.578877	
-7.28188E-02	-4.33567E-02	-4.00824E-02	-4.13817E-02	
6.52708E-03	7.49076E-03	1.14264E-02	6.30597E-03	3
-6.26959E-02	-3.45775E-02	-1.72756E-02	-2.78336E-02	
-8.16613E-02	-5.38458E-02	-5.76224E-02	-5.16782E-02	
-1.18034E-02	1.57729E-02	2.45089E-03	2.20080E-03	
1.84002E-02	1.10542E-02	2.39567E-02	9.47586E-03	4
1.59441E-02	4.04484E-02	4.81974E-02	1.82898E-02	
-4.01065E-02	1.67092E-03	-2.91138E-02	-1.19373E-02	
-.110858	-9.88373E-02	-6.19469E-02	.269428	
5.07460E-03	3.79377E-03	1.05015E-02	3.97943E-02	
-9.90563E-02	-9.22620E-02	-4.67505E-02	.320441	5
-.116935	-.103221	-7.39302E-02	.200736	
-.115968	-.106496	-5.70667E-02	9.25450E-02	
6.68573E-03	6.73200E-03	2.04608E-02	2.41304E-02	
-.105338	-9.03352E-02	-1.22020E-02	.125831	6
-.126719	-.112132	-7.80374E-02	5.86328E-02	
-9.50096E-02	-6.72735E-02	1.78769E-02	.166945	
5.59960E-03	5.11320E-03	3.04068E-02	3.34741E-02	
-8.26277E-02	-5.98672E-02	8.02091E-02	.219643	7
-.101352	-7.57635E-02	-2.51275E-02	.124747	
-.107114	-.109206	-5.54599E-03	.121062	
6.78299E-03	5.52632E-03	2.05696E-02	1.87408E-02	
-9.55532E-02	-.100812	1.21994E-02	.144618	8
-.114035	-.118876	-5.02536E-02	9.72898E-02	
-2.29893E-02	-2.58948E-02	4.93946E-04	.116209	
1.11762E-02	1.13042E-02	2.26540E-02	1.56728E-02	
-5.92047E-02	-7.84280E-02	2.59704E-02	.13679	9
-3.88985E-02	-3.96355E-02	-3.22546E-02	8.92212E-02	
-9.69665E-02	-9.45501E-02	-4.05172E-02	3.22593E-02	
7.62644E-03	8.32852E-03	1.97614E-02	1.46129E-02	
-8.60101E-02	-7.84129E-02	-2.04163E-02	5.12868E-02	10
-.106908	-.108279	-8.14197E-02	1.37136E-02	
-7.96682E-02	-6.36125E-02	4.69906E-05	.121905	
1.14465E-02	9.76731E-03	1.72701E-02	2.61685E-02	
-6.18503E-02	-4.68611E-02	2.94736E-02	.161718	11
-9.56740E-02	-7.81721E-02	-2.25907E-02	9.07868E-02	
-7.05961E-02	-3.45535E-02	4.17467E-02	.121074	
1.42807E-02	2.63188E-02	3.38545E-02	2.45741E-02	
-4.38513E-02	2.51391E-03	8.35914E-02	.154011	12
-8.81845E-02	-7.27528E-02	-1.48596E-02	9.04255E-02	
-2.89689E-02	-1.14315E-02	6.07363E-02	.150254	
6.20716E-03	7.57892E-03	2.16018E-02	3.59306E-02	
-1.66716E-02	2.15263E-03	9.63961E-02	.208805	13
-3.76906E-02	-2.26553E-02	2.92320E-02	9.36770E-02	
-6.49790E-02	-6.45036E-02	2.04137E-02	9.70730E-02	
1.45548E-02	7.60885E-03	3.74992E-02	2.35261E-02	14
-4.94080E-02	-5.14373E-02	8.84234E-02	.130768	
-9.53116E-02	-7.27529E-02	-2.35571E-02	6.91099E-02	
-1.18155E-02	-2.39950E-03	6.47589E-02	.178578	
1.29323E-02	9.73611E-03	3.03261E-02	1.33482E-02	
1.25617E-02	1.99758E-02	.10461	.202663	15
-2.73019E-02	-1.54297E-02	1.36489E-02	.160875	
-4.44191E-02	-5.76513E-02	3.04280E-03	.128818	
2.44351E-02	6.80078E-03	2.09659E-02	1.41357E-02	
1.83601E-02	-4.42117E-02	5.13382E-02	.146785	16
-6.13671E-02	-6.86583E-02	-2.13827E-02	.106683	
-5.00000E-02	-4.81858E-02	3.02588E-02	.149001	
1.18343E-02	7.19058E-03	2.50602E-02	2.72494E-02	
-3.12882E-02	-3.42163E-02	7.04244E-02	.183636	17
-7.15142E-02	-5.97467E-02	-8.45724E-03	9.59651E-02	
-1.40744E-02	3.95903E-03	.153884	.234179	
7.46755E-02	1.35114E-02	2.72546E-02	3.28272E-02	
2.82656E-02	3.05734E-02	.196659	.285878	18
-5.00120E-02	-1.26599E-02	9.39801E-02	.184599	
3.42693E-02	1.93616E-02	1.95681E-02	3.64261E-02	
3.30076E-02	2.01905E-02	2.60904E-02	1.60664E-02	
8.96314E-02	4.23752E-02	7.75515E-02	5.92349E-02	19
-8.81964E-03	-2.04876E-02	-1.35308E-02	1.16663E-02	
-6.80352E-02	-5.32196E-02	2.20324E-02	.129865	
6.22881E-03	4.17332E-03	3.22902E-02	3.10425E-02	
-5.85888E-02	-4.77041E-02	6.68004E-02	.17906	20
-7.77958E-02	-6.32391E-02	-2.10203E-02	9.31953E-02	

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HONEYWELL CP DATA, RUN NO. 73

				LOCATION NUMBER
.391544	.491266	.691826	.750569	1
2.58675E-02	7.06381E-03	2.72701E-02	2.38642E-03	
.437532	.505175	.729261	.754218	
.35406	.483137	.643736	.746631	
-6.71775E-02	-6.91521E-02	3.52236E-02	.62677	2
3.32331E-03	2.03466E-03	1.50993E-02	8.48812E-03	
-5.94343E-02	-6.51660E-02	5.89485E-02	.639693	
-7.03062E-02	-7.22712E-02	8.45459E-03	.61368	
-6.09806E-02	-4.65721E-02	-3.06238E-02	-3.34215E-02	3
8.43989E-03	1.08107E-02	1.22681E-02	7.46114E-03	
-3.99857E-02	-2.37391E-02	-9.42363E-03	-2.04876E-02	
-7.06686E-02	-5.73382E-02	-4.75961E-02	-4.36096E-02	
-4.44673E-03	-4.48590E-04	3.41606E-02	5.46437E-03	4
2.51587E-02	1.98030E-02	3.15037E-02	2.18273E-02	
3.40639E-02	4.75535E-02	7.97259E-02	2.85261E-02	
-4.78377E-02	-1.77178E-02	-2.46443E-02	-3.92742E-02	
-8.67349E-02	-8.26278E-02	-2.11532E-02	.339095	5
4.39156E-03	2.97868E-03	1.41820E-02	3.32942E-02	
-7.90374E-02	-7.90150E-02	-7.26122E-04	.386073	
-9.30164E-02	-8.85288E-02	-3.79322E-02	.298523	
-.111317	-9.72597E-02	8.92570E-03	.194811	6
4.74566E-03	6.87917E-03	2.29002E-02	4.43746E-02	
-.104855	-8.67224E-02	5.91901E-02	.281302	
-.118867	-.110928	-2.00539E-02	.149471	
-5.52185E-02	-2.97364E-02	.107159	.274534	7
1.65017E-02	8.70680E-03	2.78436E-02	2.48204E-02	
-1.89667E-02	-1.67544E-02	.143749	.314179	
-8.00909E-02	-4.34891E-02	5.54453E-02	.228073	
-9.20017E-02	-6.79840E-02	5.19905E-02	.204084	8
8.66152E-03	1.56447E-02	2.70358E-02	2.05688E-02	
-7.79166E-02	-4.66202E-02	.114033	.236985	
-.10413	-9.09373E-02	1.92057E-02	.172797	
8.09943E-02	9.70851E-02	.165759	.277219	9
2.05759E-02	1.61265E-02	2.96727E-02	2.02556E-02	
.114758	.120532	.229396	.308278	
5.14590E-02	6.95916E-02	.120314	.250352	
-5.98330E-02	-1.55622E-02	8.39176E-02	.129107	10
1.44111E-02	2.31589E-02	3.09141E-02	1.99881E-02	
-4.19185E-02	2.38295E-02	.142662	.165211	
-9.63725E-02	-4.74632E-02	4.59022E-02	9.89758E-02	
-2.91742E-02	2.18304E-02	.129265	.225713	11
1.80035E-02	2.76191E-02	3.51101E-02	1.38847E-02	
-2.53810E-03	6.15230E-02	.178056	.241802	
-5.84679E-02	-2.74724E-02	8.25042E-02	.197605	
3.21192E-03	1.27381E-02	5.89847E-02	.167041	12
2.09098E-02	1.79339E-02	2.88520E-02	1.78568E-02	
5.12174E-02	3.15368E-02	9.33761E-02	.183154	
-1.89667E-02	-1.43458E-02	3.74343E-03	.135826	
1.54488E-02	-7.91355E-02	.256116	.264635	13
1.61225E-02	1.30721E-02	5.58112E-02	3.72177E-02	
4.44526E-02	-4.74632E-02	.363362	.326101	
-1.49804E-02	-9.69586E-02	.154983	.197124	
-1.75172E-02	-2.50036E-02	.146987	.27174	14
7.82475E-03	7.03021E-03	2.98586E-02	2.80092E-02	
-5.43727E-03	-1.83199E-02	.184217	.312613	
-3.03218E-02	-3.66248E-02	.114154	.219764	
-4.51438E-02	1.19192E-02	.228429	.287588	15
1.21436E-02	1.28198E-02	3.64364E-02	2.22125E-02	
-3.18922E-02	3.22593E-02	.252589	.315744	
-6.77695E-02	-8.92664E-03	.130099	.254326	
-3.74610E-02	-6.07824E-02	.161652	.234962	16
3.41448E-03	2.77026E-03	3.15999E-02	3.00355E-02	
-2.41611E-02	-5.45684E-02	.204028	.280459	
-4.68713E-02	-6.51660E-02	.108597	.189537	
-3.66758E-02	-4.11408E-02	.166749	.239478	17
7.65658E-03	3.89098E-03	4.72621E-02	2.70785E-02	
-2.30739E-02	-3.51797E-02	.241838	.305749	
-4.43345E-02	-4.63794E-02	.100141	.201339	
-5.43245E-02	-6.05054E-02	.230495	.35634	18
1.16682E-02	6.09239E-03	4.17206E-02	3.47677E-02	
-3.62410E-02	-5.37254E-02	.296318	.398357	
-6.60783E-02	-6.96218E-02	.157762	.270102	
.136538	.19427	.185014	.173351	19
3.99665E-02	3.85798E-02	4.39828E-02	2.10140E-02	
.203545	.262154	.283513	.214706	
8.38330E-02	.137151	.140729	.144377	
-8.09969E-02	-8.20739E-02	.150248	.214248	20
9.71399E-02	5.15371E-03	2.80445E-02	1.83956E-02	
-6.07631E-02	-7.63657E-02	.193881	.246619	
-9.26540E-02	-9.20212E-02	.109684	.190018	

HONEYWELL CP DATA, RUN NO. 74

				LOCATION NUMBER
.446266	.521595	.712154	.772641	
2.37759E-02	9.02872E-03	2.55033E-02	2.24339E-03	1
.479491	.539457	.742443	.776882	
.414372	.510316	.668842	.768426	
-7.32052E-02	-7.87566E-02	2.61425E-02	.648296	
4.58080E-03	1.36054E-03	1.06956E-02	6.49991E-03	2
-6.12908E-02	-7.69353E-02	4.04972E-02	.659926	
-7.81249E-02	-8.12284E-02	6.17640E-03	.642623	
-6.83507E-02	-5.73429E-02	-4.27993E-02	-4.20046E-02	
1.06403E-02	6.44448E-03	1.57872E-02	4.11389E-03	3
-5.16340E-02	-4.94851E-02	-1.37897E-02	-3.58251E-02	
-8.39973E-02	-6.66577E-02	-6.33787E-02	-4.81842E-02	
1.08221E-02	2.72453E-02	2.70690E-02	-7.80248E-03	
2.26046E-02	1.57998E-02	2.39869E-02	9.51800E-03	4
4.66306E-02	5.17292E-02	6.59442E-02	4.89485E-03	
-3.32338E-02	6.97638E-03	-7.13434E-03	-2.46368E-02	
-9.12921E-02	-9.50966E-02	-2.25200E-02	.418495	
4.79662E-03	4.31298E-03	9.71812E-03	2.72938E-02	5
-8.17789E-02	-8.78633E-02	-7.65633E-03	.456457	
-9.67961E-02	-.100743	-4.17162E-02	.370854	
-.11837	-.101341	-3.59786E-03	.181356	
4.60782E-03	5.91536E-03	2.25756E-02	1.80115E-02	6
-.110619	-9.28069E-02	2.90134E-02	.224886	
-.128236	-.11063	-3.03629E-02	.16166	
-3.92628E-02	-2.51182E-02	8.71239E-02	.26303	
1.69363E-02	1.02043E-02	2.39454E-02	3.82483E-02	7
-1.92706E-02	-1.07166E-02	.117099	.301253	
-7.27745E-02	-4.35007E-02	4.46731E-02	.172588	
-.101301	-7.20047E-02	6.20684E-02	.234488	
6.24482E-02	5.75731E-03	2.23043E-02	3.08824E-02	8
-9.36541E-02	-5.85918E-02	8.96947E-02	.266777	
-.111141	-8.05779E-02	2.75780E-02	.177011	
.148654	.112432	.150611	.257957	
2.86401E-02	1.80789E-02	3.22837E-02	2.43225E-02	9
.184566	.142406	.194615	.294488	
8.91727E-02	9.23190E-02	9.33487E-02	.223716	
-7.70418E-02	-4.92249E-02	4.50124E-02	.14761	
1.31340E-02	1.48105E-02	2.62491E-02	2.72074E-02	10
-5.30694E-02	-1.78719E-02	7.44265E-02	.185988	
-9.11747E-02	-6.28849E-02	2.39197E-03	.108711	
-4.61574E-03	2.27440E-02	.147414	.241773	
1.12263E-02	2.18770E-02	2.70218E-02	2.17588E-02	11
1.72687E-02	5.53719E-02	.205315	.268468	
-2.09671E-02	-1.99534E-02	.105876	.210836	
-9.11790E-03	7.62685E-03	6.79800E-02	.156833	
5.81683E-03	1.01534E-02	2.42351E-02	1.86487E-02	12
5.65010E-04	2.29781E-02	.102875	.182735	
-1.67911E-02	-4.60213E-03	2.18361E-02	.136031	
2.88307E-02	-.103826	.196468	.267553	
1.75212E-02	1.30195E-02	2.88260E-02	3.09085E-02	13
5.82449E-02	-8.25294E-02	.260255	.316213	
-1.39245E-03	-.120257	.157031	.231131	
-2.64219E-02	-3.56690E-02	.15771	.264279	
6.79465E-03	3.07651E-03	3.68092E-02	1.94155E-02	14
-1.43117E-02	-3.08814E-02	.214059	.293975	
-3.59743E-02	-4.11590E-02	7.74280E-02	.235815	
-4.14421E-02	2.12739E-02	.219853	.285108	
1.20079E-02	1.30214E-02	1.90772E-02	1.16079E-02	15
-1.61387E-02	4.34031E-02	.248902	.303464	
-5.80283E-02	3.46379E-03	.191874	.267037	
-4.04503E-02	-7.03655E-02	.148732	.229024	
9.51323E-03	2.46616E-03	2.40269E-02	1.95639E-02	16
-2.43600E-02	-6.67878E-02	.175823	.267688	
-5.56794E-02	-7.39431E-02	9.67416E-02	.197957	
-4.49133E-02	-5.19959E-02	.183026	.233811	
7.47141E-03	3.81457E-03	3.86092E-02	2.12968E-02	17
-3.51913E-02	-4.76638E-02	.249685	.271461	
-6.08993E-02	-5.97627E-02	.124407	.20238	
-6.28045E-02	-6.27418E-02	.217321	.316513	
1.02748E-02	3.09738E-02	4.76539E-02	4.14813E-02	18
-4.48481E-02	-5.66404E-02	.281134	.377489	
-7.99519E-02	-6.74383E-02	.167602	.263134	
.145809	.1812	.191692	.189605	
1.87755E-02	2.03392E-02	5.45894E-02	1.72975E-02	19
.184305	.208364	.314281	.223325	
.123624	.143707	.126104	.156716	
-8.07610E-02	-8.40645E-02	.157945	.221959	
6.60790E-03	2.87978E-03	2.91971E-02	2.42236E-02	20
-6.49447E-02	-7.94071E-02	.200357	.267558	
-8.93477E-02	-8.76031E-02	.115533	.192883	

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HONEYWELL CP DATA, RUN NO. 75

				LOCATION NUMBER
.524773	.534943	.781436	.79023	
1.28821E-02	1.11399E-02	6.16528E-03	2.57334E-03	1
.545261	.550906	.789814	.794054	
.50285	.519943	.772718	.786249	
.466075	.640789	.670708	.727432	
2.28136E-02	1.62996E-02	1.59173E-02	4.58892E-03	2
.496194	.66487	.695986	.73317	
.421028	.618816	.649659	.718339	
.500253	.620351	.685637	.677294	3
1.27478E-02	1.32720E-02	1.86509E-02	1.13227E-02	
.524251	.645355	.707991	.691149	
.48471	.605546	.650181	.653421	
.539441	.612884	.637954	.595542	
1.61260E-02	1.79711E-02	3.13641E-02	1.05067E-02	4
.557528	.646526	.682675	.612311	
.503633	.590585	.585846	.5833	
.555975	.627376	.75253	.770416	
4.08108E-02	1.94436E-02	6.06785E-03	1.89101E-03	
.604116	.657194	.763714	.772459	5
.460438	.599171	.741268	.766995	
.489813	.567896	.700853	.766969	
1.50535E-02	1.00327E-02	2.15439E-02	4.64629E-03	
.515116	.588243	.72587	.77376	6
.469181	.553768	.651486	.758538	
.340446	.410403	.517139	.569315	
1.89097E-02	1.78305E-02	2.91720E-02	2.01346E-02	
.370395	.430047	.551003	.59696	7
.313237	.369423	.477141	.540108	
.454135	.637159	.741073	.781552	
4.25267E-02	2.17991E-02	1.53885E-02	1.08813E-02	
.538867	.67944	.76019	.797047	8
.403149	.6114	.710993	.768686	
.34222	.370346	.479282	.559765	
2.31257E-02	1.46375E-02	2.70758E-02	2.49813E-02	
.382531	.394661	.525556	.590455	9
.309061	.3516	.449476	.503031	
.439767	.590572	.657333	.7282	
3.15473E-02	1.39365E-02	2.04382E-02	1.09601E-02	
.493323	.605546	.686329	.743187	10
.401975	.571721	.61586	.707281	
.444935	.591717	.695842	.794094	
2.94493E-02	1.26827E-02	1.58965E-02	1.77952E-02	
.490844	.61114	.718823	.816171	11
.405107	.567428	.680848	.771158	
.360477	.415242	.609323	.693647	
1.76522E-02	1.94615E-02	2.48164E-02	1.03862E-02	
.383444	.439284	.649529	.709492	12
.334769	.390628	.567185	.677229	
.147192	-7.65450E-02	.484371	.556682	
1.88902E-02	7.02289E-03	3.48581E-02	3.06670E-02	
.1723	-6.57471E-02	.536518	.593837	13
.116708	-8.65623E-02	.43225	.498217	
.290113	2.75315E-02	.638293	.719729	
2.18351E-02	4.68483E-03	1.91744E-02	1.18876E-02	
.330462	3.35159E-02	.662056	.734471	14
.260516	1.66034E-02	.604768	.69258	
6.18205E-02	8.89886E-02	.435304	.522389	
8.92385E-03	7.26684E-02	4.61927E-02	1.42164E-02	
7.65145E-02	9.83034E-02	.499196	.549174	15
5.01540E-02	7.51464E-02	.370656	.505112	
.112649	-2.25033E-02	.613055	.686869	
8.68049E-03	1.94433E-03	2.90969E-02	1.34677E-02	
.126887	-1.99534E-02	.658141	.704028	16
9.79161E-02	-2.64582E-02	.576189	.662528	
.114907	9.91491E-02	.445157	.7215	
1.10163E-02	6.78375E-03	4.38722E-02	2.32941E-02	
.13302	.108451	.505851	.749432	17
.10144	8.95870E-02	.37705	.680221	
.161547	.12656	.382426	.611999	
2.68666E-02	7.10354E-03	2.54910E-02	2.66983E-02	
.196572	.138503	.417765	.658755	18
.124668	.116257	.34547	.572112	
.262643	.302866	.31154	.278928	
3.64125E-02	1.16690E-02	2.76454E-02	9.87388E-03	
.307495	.323889	.363478	.291756	19
.210144	.28382	.27461	.263265	
-8.13917E-03	7.32763E-03	.34808	.512086	
5.24316E-03	3.34892E-03	2.39929E-02	1.46251E-02	
-2.56693E-03	1.10093E-02	.384749	.543621	20
-1.90096E-02	1.77255E-03	.306973	.494184	

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HONEYWELL CP DATA, RUN NO. 76

				LOCATION NUMBER
.524604	.529971	.772036	.777184	
2.11468E-02	1.00690E-02	8.21859E-03	3.62101E-03	1
.552774	.542508	.785312	.786011	
.496603	.508307	.758253	.773005	
.447196	.626529	.651865	.722715	
3.42491E-02	9.22103E-03	1.74438E-02	5.14668E-03	2
.502643	.646436	.677922	.728567	
.395373	.614041	.621388	.713634	
.491191	.620352	.654281	.6928	
1.65656E-02	1.21602E-02	1.41744E-02	6.41273E-03	3
.508924	.637404	.687465	.704482	
.460001	.606214	.639749	.684009	
.53457	.558561	.592456	.591895	
3.44482E-02	2.74866E-02	2.28274E-02	1.07927E-02	4
.566183	.594893	.624287	.609345	
.449853	.504694	.550358	.577672	
.498777	.615246	.723608	.742922	
5.27968E-02	1.77393E-02	9.19226E-03	2.59895E-03	5
.553982	.64174	.737113	.748076	
.406487	.58827	.714886	.739767	
.467744	.576384	.705681	.763057	
1.84887E-02	2.15332E-02	2.16543E-02	3.96996E-03	6
.492133	.600674	.731194	.769512	
.445746	.539497	.662942	.757951	
.284613	.379751	.538085	.645557	
1.84434E-02	1.73724E-02	2.86671E-02	2.70029E-02	7
.310452	.403896	.572464	.69834	
.260199	.347898	.499622	.611392	
.410449	.588282	.701006	.762588	
2.66257E-02	1.20728E-02	1.16114E-02	9.72436E-03	8
.456618	.611753	.714282	.776497	
.374113	.571771	.680337	.748438	
.320466	.362891	.517199	.625747	
3.42150E-02	1.40182E-02	5.87979E-02	2.50673E-02	9
.39489	.384387	.587443	.660406	
.274454	.338746	.379186	.579599	
.452994	.584019	.683804	.739177	
3.84368E-02	1.45729E-02	2.43300E-02	1.32321E-02	10
.531393	.606936	.726241	.759517	
.398031	.564907	.646876	.716404	
.41876	.564197	.684867	.757349	
3.78080E-02	1.75195E-02	1.61158E-02	9.93322E-03	11
.472201	.595616	.722859	.771319	
.354664	.535764	.663063	.740008	
.352574	.410183	.587504	.697292	
2.67695E-02	1.37668E-02	2.35499E-02	1.36847E-02	12
.391508	.433281	.634434	.716404	
.307552	.391372	.557727	.679433	
.130208	-3.64923E-02	.528965	.555044	
2.14651E-02	9.32681E-03	3.19695E-02	1.19736E-02	13
.16054	-1.89221E-02	.579229	.57695	
9.85705E-02	-5.15577E-02	.474496	.536848	
.27234	4.02677E-02	.624456	.703001	
1.79171E-02	4.05435E-03	2.41291E-02	1.13665E-02	14
.308519	4.62288E-02	.65195	.719776	
.240026	3.51496E-02	.59143	.685936	
6.85279E-02	7.35657E-02	.423906	.505115	
1.60196E-02	1.48024E-02	2.83015E-02	5.17855E-02	15
8.79402E-02	.10572	.463987	.559729	
4.20367E-02	5.67060E-02	.372784	.424489	
.125593	-1.17326E-02	.606058	.710359	
1.02857E-02	3.05860E-03	2.71313F-02	1.31568E-02	16
.139038	-4.71170E-03	.647843	.724473	
.102798	-1.65135E-02	.575122	.688586	
.121281	.110741	.402959	.701736	
1.33462E-02	6.39690E-03	7.42149E-02	1.67978E-02	17
.137589	.120532	.515206	.736877	
9.63961E-02	.100421	.300908	.685214	
.185292	.123374	.407489	.633334	
3.30442E-02	8.95796E-03	2.51918E-02	1.29616E-02	18
.235436	.131973	.434512	.656552	
.135414	.108971	.347778	.613319	
.274538	.299161	.309558	.28907	
2.72431E-02	1.14514E-02	3.74867E-02	1.56408E-02	19
.315888	.313697	.399601	.309121	
.235436	.281182	.271192	.256494	
-2.18779E-03	1.37497E-02	.322217	.492988	
6.41642E-03	4.24085E-03	1.59843E-02	3.42955E-02	20
8.33379E-03	2.03371E-02	.343671	.552503	
-1.03900E-02	6.48800E-03	.290157	.446166	

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HONEYWELL CP DATA. RUN NO. 77

				LOCATION NUMBER
.53591	.518267	.758084	.762708	
1.98097E-02	9.42700E-03	5.67303E-03	3.10938E-03	
.578866	.530224	.765621	.769753	1
.50687	.501924	.750401	.759517	
.432942	.575962	.651237	.704795	
4.23559E-02	1.00492E-02	2.25707E-02	4.23625E-03	
.484039	.588992	.677559	.711346	2
.337148	.561535	.601939	.697618	
.477601	.596748	.617341	.649616	
1.14405E-02	2.18476E-02	1.28616E-02	7.73287E-03	3
.495153	.622712	.6354	.65872	
.451061	.564305	.599523	.63331	
.534437	.605756	.634591	.603432	
2.67578E-02	1.29386E-02	2.12888E-02	1.16967E-02	
.583819	.622712	.66717	.628974	4
.494066	.583694	.596503	.589715	
.536225	.621773	.72519	.74839	
2.78599E-02	9.89649E-03	1.33020E-02	5.71953E-03	
.567028	.639933	.745569	.759517	5
.484523	.609345	.696524	.738322	
.470836	.559596	.695872	.757807	
2.67782E-02	1.45160E-02	1.87995E-02	4.78669E-03	
.504334	.579238	.719355	.764695	6
.428834	.529742	.656299	.750726	
.303735	.324463	.470232	.631756	
2.65967E-02	2.17451E-02	5.49455E-02	2.88948E-02	
.34198	.373067	.542868	.664861	7
.264548	.30045	.397668	.58261	
.430671	.576673	.698457	.741838	
2.98158E-02	1.00327E-02	1.79876E-02	7.98980E-03	
.476308	.590919	.73518	.756506	8
.389092	.560572	.670915	.730615	
.380213	.404691	.491457	.579876	
2.42530E-02	2.72604E-02	5.65406E-02	1.14043E-02	
.429318	.43593	.575847	.593448	9
.350798	.338023	.403104	.552393	
.435454	.559115	.681002	.704747	
1.90114E-02	8.74557E-03	1.45616E-02	8.31472E-03	
.459517	.567677	.700269	.71821	10
.403587	.538172	.650742	.692921	
.394165	.581177	.68488	.770319	
3.02759E-02	1.95506E-02	1.56594E-02	8.36236E-03	
.45636	.612957	.710416	.782759	11
.346691	.553346	.666083	.759035	
.311309	.370454	.630303	.700267	
1.55005E-02	1.83683E-02	3.09540E-02	9.26402E-03	
.329538	.40197	.687585	.715441	12
.282547	.351149	.586477	.688947	
.342705	.377884	.469966	.537787	
2.54741E-02	2.05779E-02	5.25305E-02	2.31729E-02	
.382327	.421238	.531876	.576348	13
.307432	.348139	.398152	.498432	
.429281	.546181	.671169	.75482	
2.25707E-02	1.53324E-02	2.63814E-02	1.40901E-02	
.452753	.567436	.711987	.784325	14
.381602	.521192	.631897	.735793	
.317929	.35858	.438752	.494337	
4.25581E-02	1.67968E-02	5.25592E-02	1.93685E-02	
.406003	.387037	.503488	.532392	15
.262011	.341395	.347174	.457125	
.439102	-9.77173E-02	.663196	.716464	
3.91444E-02	7.89155E-03	2.48244E-02	1.85673E-02	
.506025	-8.63611E-02	.695558	.737238	16
.378099	-.112253	.614985	.690874	
.509818	.59794	.699436	.732782	
3.04493E-02	1.98698E-02	2.30282F-02	9.05435E-03	
.548425	.637043	.72153	.742537	17
.469785	.571169	.642769	.712189	
.363023	.430896	.498342	.584874	
2.03188E-02	2.61140E-02	1.93771E-02	1.51018E-02	
.398755	.477477	.52487	.609104	18
.331712	.403776	.455773	.560813	
.587757	.661116	.670045	.664043	
2.26921E-02	2.23614E-02	1.96419E-02	5.82849E-03	
.619576	.693643	.704497	.67582	19
.552774	.619822	.642648	.655829	
.394805	.41895	.545127	.588174	
2.43545E-02	2.54234E-02	2.84875E-02	1.88294E-02	
.429801	.46146	.58092	.617293	20
.352973	.392335	.500347	.566232	

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				LOCATION NUMBER
.508516	.533672	.776144	.78494	
5.27378E-03	6.37648E-03	1.04719E-02	3.21410E-03	1
.515053	.543949	.78754	.788298	
.499751	.526285	.754922	.7796	
.455187	.644218	.677324	.721176	
1.61065E-02	1.60519E-02	3.82554E-03	2.77157E-03	2
.470489	.667997	.683109	.725137	
.425656	.62076	.669284	.715101	
.487389	.622941	.642169	.659794	
8.41958E-03	6.70551E-03	1.35901E-02	9.06532E-03	3
.497604	.633339	.661901	.675625	
.476798	.615809	.620424	.642706	
.540369	.603779	.625605	.592551	
2.47630E-02	1.55618E-02	1.77187E-02	9.72096E-03	4
.572906	.619556	.641632	.609653	
.503778	.574459	.592638	.576868	
.509564	.617455	.759419	.7739	
3.11682E-02	1.60458E-02	3.86858E-03	1.09178E-03	5
.563511	.636818	.766198	.776121	
.457066	.593194	.752372	.772106	
.4961	.591133	.731258	.770594	
1.49232E-02	8.16199E-03	7.50251E-03	2.64942E-03	6
.527805	.607245	.747271	.775318	
.467939	.582087	.720022	.766888	
.385468	.416957	.529671	.632964	
2.09456E-02	1.75441E-02	2.71472E-02	1.57248E-02	7
.422837	.451482	.571699	.650601	
.345789	.394208	.487805	.602561	
.426086	.604983	.733701	.782584	
1.64462E-02	7.09421E-03	1.42117E-02	4.36710E-03	8
.456126	.614203	.754788	.788432	
.40069	.59413	.711834	.776924	
.466409	.476345	.557873	.661146	
2.84915E-02	9.41118E-03	2.98906E-02	2.23936E-02	9
.511698	.486542	.598947	.692753	
.425656	.45844	.511161	.624641	
.505985	.624681	.718801	.74913	
1.48118E-02	1.39744E-02	1.56868E-02	5.31131E-03	10
.523107	.642037	.746868	.755781	
.479214	.595067	.697875	.739455	
.43516	.602454	.72758	.782076	
2.28528E-02	1.01834E-02	1.81744E-02	8.11316E-03	11
.479751	.616478	.761902	.795792	
.406864	.582756	.705392	.772374	
.292983	.370202	.636263	.690545	
1.17941E-02	6.85446E-03	1.79471E-02	1.42141E-02	12
.319078	.377883	.667807	.704663	
.276929	.357275	.615592	.666391	
.4052	.448364	.516785	.578983	
1.85200E-02	1.06584E-02	2.36621E-02	1.22227E-02	13
.433173	.469012	.549953	.593729	
.375454	.437164	.476261	.562282	
.510772	.628802	.69872	.763435	
1.94010E-02	1.02482E-02	1.21575E-02	6.16528E-03	14
.548074	.645248	.714653	.774114	
.489684	.612998	.682572	.752034	
.422448	.439572	.513013	.597329	
2.02232E-02	1.21166E-02	2.71728E-02	1.44680E-02	15
.443106	.462589	.583913	.62183	
.377199	.421507	.481764	.580615	
.480878	-.137645	.666827	.72242	
3.31841E-02	9.48215E-03	1.36726E-02	7.87291E-03	16
.520825	-.121922	.689552	.732095	
.403106	-.148953	.644585	.703994	
.53104	.63002	.683257	.754537	
2.65516E-02	2.22024E-02	3.97471E-02	1.07404E-02	17
.569148	.665722	.727271	.769965	
.492637	.590651	.617874	.739857	
.395696	.466898	.540571	.655833	
1.24468E-02	1.75327E-02	2.14932E-02	1.65256E-02	18
.410891	.491092	.576665	.676026	
.368743	.437833	.495724	.628388	
.627364	.709962	.702036	.715756	
2.09881E-02	9.56646E-03	1.52805E-02	7.44936E-03	19
.657606	.726074	.729821	.728215	
.592504	.696901	.66821	.70279	
.387253	.449809	.554584	.599269	
2.16704E-02	1.07312E-02	2.21143E-02	8.11725E-03	20
.420824	.467674	.591565	.612998	
.356662	.435023	.521765	.586503	

HONEYWELL CP DATA, RUN NO. 79

				LOCATION NUMBER
.371615	.496886	.673539	.780912	
1.84950E-02	4.01556E-03	1.83593E-02	2.62430E-03	1
.398408	.503537	.700291	.784953	
.349548	.49069	.642035	.775987	
-.267655	-.24593	.552262	.658831	
7.26826E-03	6.30534E-03	5.22065E-02	1.01476E-02	2
-.257977	-.238075	.596128	.670406	
-.279319	-.255738	.429817	.642572	
.224526	.307991	.292218	.318013	3
1.69532E-02	1.15714E-02	2.95315E-02	1.66215E-02	
.249815	.327835	.355991	.338407	
.196123	.287423	.262433	.288627	
.285816	.350999	.337333	.348871	
1.84290E-02	1.10339E-02	2.69280E-02	1.37331E-02	4
.310353	.368114	.366864	.366107	
.250486	.333991	.292769	.320342	
-.280326	-.288377	.158579	.584603	
8.55515E-03	9.73032E-03	3.49626E-02	1.02353E-02	5
-.266836	-.27822	.210754	.601356	
-.296769	-.306589	9.46454E-02	.567635	
-9.67665E-02	-8.01444E-02	.112323	.332988	
1.11045E-02	1.51253E-02	3.68227E-02	2.05255E-02	6
-7.81085E-02	-5.58166E-02	.162431	.366776	
-.114082	-.104392	3.49131E-02	.297325	
.3174	.353957	.482301	.60137	
1.40642E-02	1.07095E-02	3.37456E-02	1.21684E-02	7
.340823	.371727	.550893	.619823	
.298138	.338942	.436126	.578742	
8.85513E-02	.127325	.298782	.469882	
3.13057E-02	2.13570E-02	3.45949E-02	1.10414E-02	8
.152498	.155614	.351024	.488014	
4.75307E-02	9.04450E-02	.253574	.454961	
.414717	.47763	.569484	.611085	
2.70782E-02	2.45791E-02	2.02756E-02	1.15371E-02	9
.453173	.503804	.597605	.636952	
.367132	.432882	.537201	.601624	
.155156	.214145	.300876	.375207	
2.78970E-02	2.12363E-02	3.29284E-02	2.01708E-02	10
.211962	.248616	.338138	.407992	
.109813	.173946	.242969	.345365	
.24803	.284506	.388085	.48974	
2.99291E-02	1.77379E-02	2.85142E-02	1.48820E-02	11
.287936	.310975	.448207	.517454	
.205653	.255976	.351427	.470216	
.238446	.288092	.428153	.494691	
1.45431E-02	1.21268E-02	2.39210E-02	1.11770E-02	12
.261896	.313785	.461764	.515982	
.215855	.275246	.376394	.479717	
.36775	.426713	.518007	.577818	
1.44463E-02	1.98105E-02	2.41332E-02	1.25383E-02	13
.385522	.451616	.572235	.594398	
.337065	.393673	.494785	.560275	
.267372	.320262	.391991	.443573	
2.57601E-02	1.05051E-02	2.13230E-02	1.55437E-02	14
.302299	.339076	.423777	.460983	
.214513	.306425	.361226	.40652	
.389441	.414723	.505644	.605826	
2.95290E-02	1.42373E-02	1.50469E-02	8.27080E-03	
.457603	.436896	.526866	.61902	15
.363105	.395413	.486462	.591053	
.324085	.349661	.459147	.515848	
3.41474E-02	1.43566E-02	2.58502E-02	1.49741E-02	
.366192	.37427	.496261	.539266	16
.242164	.319405	.403374	.490155	
.344098	.385631	.446247	.489874	
3.12743E-02	1.09450E-02	3.29262E-02	1.57026E-02	
.39881	.408661	.4921	.510897	17
.307802	.370389	.384313	.464195	
.336031	.392108	.476409	.550908	
2.86899E-02	1.82716E-02	2.58188E-02	2.36103E-02	
.373441	.420838	.517201	.579277	18
.285654	.359416	.428341	.508755	
.372958	.453436	.434328	.452004	
3.50556E-02	2.07669E-02	3.55414E-02	1.25923E-02	
.424851	.486274	.490489	.474231	19
.327937	.423782	.373844	.430607	
.351239	.377294	.426247	.480105	
2.70492E-02	9.50569E-03	1.08615E-02	1.51532E-02	
.407535	.38899	.44163	.50822	20
.325387	.357275	.406998	.454827	

				LOCATION NUMBER
.342625	.505099	.68475	.787147	
1.69391E-02	5.59072E-03	3.21472F-02	1.81963E-03	1
.371961	.515	.731742	.791062	
.315194	.498347	.627997	.785338	
-.249468	-.231033	.578068	.651457	
7.69532E-03	6.91458E-03	2.82845E-02	8.22262E-03	2
-.239681	-.222902	.619253	.666431	
-.26304	-.240465	.52399	.640151	
.264966	.29346	.331363	.325216	3
3.22721E-02	3.67215E-02	3.76531E-02	2.70910E-02	
.307886	.340021	.388142	.360966	
.215233	.212788	.284788	.272632	
.317752	.350715	.373501	.353967	
4.28235E-02	1.79383E-02	3.36311E-02	2.24006E-02	4
.391535	.382692	.41646	.389587	
.267041	.327792	.315977	.322978	
-.270139	-.252005	.141176	.54163	
1.36393E-02	7.37678E-03	5.19774E-02	1.89189E-02	5
-.24738	-.235131	.234677	.586942	
-.296447	-.26024	5.31555E-02	.5163	
-.102724	-8.19960E-02	.103136	.365975	
2.05010E-02	2.64794E-02	5.67114E-02	4.16249E-02	6
-7.40795E-02	-4.15493E-02	.179607	.43369	
-.135674	-.112191	-1.18322F-02	.300732	
.304415	.381118	.527605	.602164	
1.33876E-02	1.38555E-02	2.15685E-02	1.41229E-02	7
.32198	.408711	.564053	.619856	
.282048	.353681	.495281	.578096	
5.83362E-02	.109088	.256392	.42898	
3.30208E-02	2.04739E-02	4.11501E-02	2.15900E-02	8
.1094	.132909	.297186	.470247	
1.32233E-02	6.89019E-02	.160033	.394141	
.392566	.441951	.554853	.617372	
2.10181E-02	1.74599E-02	1.89136F-02	7.68132E-03	9
.434338	.470767	.577494	.628443	
.362956	.42029	.517987	.607107	
.162943	.190281	.30174	.377554	
3.54820E-02	1.76055E-02	5.11464E-02	1.48107E-02	10
.207142	.222935	.384097	.398954	
.10953	.165563	.239897	.349258	
.230789	.260051	.347779	.423438	
3.62938E-02	1.51007E-02	4.31553E-02	3.04580E-02	11
.284919	.281608	.400801	.47493	
.163817	.232822	.282178	.374106	
.266232	.323902	.418992	.522649	
2.29551E-02	3.29804E-02	5.60832E-02	1.47648E-02	12
.294706	.360706	.537171	.546873	
.231023	.253377	.364522	.500949	
.374806	.439609	.538097	.620689	
3.04291E-02	1.28821E-02	2.59142F-02	1.58652E-02	13
.431859	.458928	.576059	.644835	
.336465	.416127	.499848	.588894	
.269155	.307705	.355531	.442068	
2.32620E-02	2.93465E-02	2.92609E-02	2.63085E-02	14
.300579	.366951	.419331	.494314	
.237809	.260142	.313889	.411443	
.386798	.418378	.524865	.608109	
3.87602E-02	1.79268E-02	4.09864E-02	1.47984E-02	15
.450651	.445529	.574493	.628703	
.330201	.388026	.448041	.590325	
.308682	.336795	.472848	.496734	
2.97880E-02	1.54984E-02	3.94007E-02	2.07501E-02	16
.362956	.350949	.536779	.541669	
.252816	.302423	.423638	.471808	
.327226	.381027	.444139	.488343	
3.02395E-02	3.76623E-02	4.44302E-02	1.87942E-02	17
.386837	.439284	.51616	.522805	
.279177	.333126	.380573	.457497	
.341228	.391903	.44624	.548278	
3.29312E-02	1.88162E-02	2.98873E-02	3.07318E-02	18
.40341	.422502	.504155	.605936	
.307103	.363959	.418026	.516821	
.364992	.410975	.424199	.416569	
5.17056E-02	2.20670E-02	3.72686F-02	3.06616E-02	19
.437601	.452424	.501544	.467515	
.279438	.384904	.386446	.37905	
.368268	.41	.477807	.491309	
2.97017E-02	1.74902E-02	2.57565E-02	1.45559E-02	20
.420114	.431738	.517074	.519813	
.326809	.37931	.438123	.470507	

HONEYWELL CP DATA, RUN NO. 81

				LOCATION NUMBER
.314015 3.73715E-02	.511341 1.52110E-02	.685846 3.67817E-02	.747306 2.32969E-02	1
-.238736 7.67593E-03	-.221913 5.59516E-03	.528868 6.34890E-02	.641595 1.41697E-02	2
.223476 7.79426E-02	.246547 4.53610E-02	.348914 7.14755E-02	.317538 3.65054E-02	3
.294252 4.94823E-02	.347597 1.97331E-02	.350702 5.52259E-02	.358375 2.38232E-02	4
-.248398 2.20953E-02	-.254031 9.58634E-03	.154222 6.53477E-02	.586126 3.69460E-02	5
-9.26782E-02 3.15772E-02	-.105786 1.61450E-02	8.97159E-02 5.63543E-02	.320043 4.49015E-02	6
.26491 2.23396E-02	.325992 1.62299E-02	.480464 3.93591E-02	.624362 2.19926E-02	7
6.16423E-02 5.38088E-02	8.11647E-02 2.18058E-02	.290423 4.91639E-02	.445034 3.39924E-02	8
.346752 2.85446E-02	.374055 3.62238E-02	.518648 3.99266E-02	.597446 2.98341E-02	9
.156663 3.76031E-02	.20506 2.68799E-02	.293963 4.89613E-02	.363072 2.82435E-02	10
.200754 3.29620E-02	.236828 3.53387E-02	.294373 3.97679E-02	.415457 2.59429E-02	11
.269658 2.31511E-02	.290635 4.99879E-02	.393972 2.50329E-02	.506946 3.06929E-02	12
.336484 2.51819E-02	.379077 3.29769E-02	.503162 5.60084E-02	.581394 2.28521E-02	13
.249424 4.47967E-02	.286709 2.25615E-02	.337474 5.79293E-02	.424598 2.49136E-02	14
.345701 3.45130E-02	.355148 1.39258E-02	.492749 2.78302E-02	.587331 1.13022E-02	15
.304291 5.57193E-02	.34549 1.65451E-02	.448863 4.47935E-02	.514075 2.70311E-02	16
.333766 3.35806E-02	.329015 2.92575E-02	.398019 4.33625E-02	.458028 1.53400E-02	17
.359037 3.61845E-02	.380064 1.79637E-02	.498052 2.91691E-02	.546313 2.96939E-02	18
.343816 3.65862E-02	.415674 4.56907E-02	.40691 6.09537E-02	.426236 1.95599E-02	19
.370609 3.11316E-02	.3959 1.81699E-02	.478906 3.89634E-02	.513413 1.56953E-02	20

HONEYWELL CP DATA. RUN NO. 82

				LOCATION NUMBER
.333481	.51819	.673756	.760743	1
3.23341E-02	1.00030E-02	3.33652E-02	2.59895E-03	
-.223584	-.227774	.511075	.6251	2
8.45000E-03	7.95865E-03	6.96135E-02	1.64854E-02	
.154991	.261312	.270652	.287661	3
3.70454E-02	3.32449E-02	7.29757E-02	8.07339E-02	
.310881	.322539	.32593	.372339	4
4.60196E-02	3.95125E-02	6.72183E-02	1.60829E-02	
-.225649	-.228668	.191172	.557266	5
1.08554E-02	1.48481E-02	9.05473E-02	2.76056E-02	
-8.49970E-02	-.101258	.11066	.374261	6
3.07821E-02	2.17804E-02	7.19358E-02	4.29940E-02	
.228767	.2719	.420105	.590032	7
1.91403E-02	3.64482E-02	5.03113E-02	1.90479E-02	
6.19565E-02	8.55650E-02	.218037	.375588	8
2.89400E-02	3.99194E-02	7.37934E-02	3.56535E-02	
.316531	.336377	.45357	.593498	9
3.42460E-02	3.17218E-02	4.43097E-02	4.04522E-02	
.144615	.204282	.220618	.377538	10
2.22792E-02	3.17630E-02	5.94196E-02	6.39595E-02	
.182209	.21923	.330846	.409871	11
4.82130E-02	2.67705E-02	5.27574E-02	3.66382E-02	
.24865	.329499	.423229	.517892	12
4.10620E-02	3.23415E-02	7.90759E-02	2.21606E-02	
.324789	.362373	.457835	.559107	13
3.61920E-02	3.30306E-02	4.04461E-02	1.72740E-02	
.26234	.295432	.392561	.419214	14
5.37206E-02	3.47965E-02	7.30885E-02	2.94656E-02	
.321665	.356443	.469162	.525176	15
4.72259E-02	2.14191E-02	4.82225E-02	5.22521E-02	
.306372	.327143	.436729	.511312	16
3.69456E-02	4.65513E-02	5.42508E-02	2.97797E-02	
.306454	.337054	.404595	.455446	17
5.42516E-02	3.86877E-02	3.91638E-02	4.40045E-02	
.366131	.419999	.524847	.59469	18
3.88348E-02	4.75824E-02	5.51740E-02	5.54852E-02	
.341141	.369495	.41546	.392892	19
3.54631E-02	2.90018E-02	4.99838E-02	3.29478E-02	
.384086	.397279	.452538	.525204	20
3.97212E-02	2.81607E-02	3.50130E-02	2.17062E-02	

HONEYWELL CP DATA, RUN NO. 83

				LOCATION NUMBER
.43572	.50072	.719283	.728881	
4.53302E-02	1.04149E-02	2.88283E-02	1.92571E-03	1
-7.30484E-02	-7.57876E-02	2.97635E-02	.625	
2.17952E-03	2.35191E-03	1.34351E-02	9.46555E-03	2
-5.42762E-02	-3.78411E-02	-3.81496E-02	-3.37707E-02	
7.87327E-03	1.11243E-02	1.28187E-02	6.74931E-03	3
1.49052E-02	2.99351E-02	4.67961E-02	3.08865E-02	
3.21083E-02	1.92890E-02	2.79705E-02	2.98939E-02	4
-9.34151E-02	-9.32134E-02	-5.03864E-03	.420046	
6.44636E-03	3.11403E-03	1.52649E-02	3.33200E-02	5
-.114603	-9.28762E-02	7.86024E-02	.225328	
4.81793E-03	6.48908E-03	4.22205E-02	3.16739E-02	6
-5.75016E-02	-3.84071E-02	6.89748E-02	.221137	
1.34092E-02	8.47804E-03	1.89460E-02	3.88168E-02	7
-.103792	-6.51178E-02	8.05352E-02	.252267	
8.18958E-03	1.40860E-02	2.38720E-02	2.76658E-02	8
.162135	.152975	.187817	.246655	
3.55783E-02	1.75562E-02	3.54319E-02	3.39010E-02	9
-5.86733E-02	-2.84960E-02	7.19223E-02	.221643	
1.55573E-02	1.51888E-02	2.50677E-02	3.30863E-02	10
9.51762E-03	1.01128E-02	.176075	.279748	
3.03920E-02	2.17395E-02	5.70692E-02	2.14928E-02	11
-6.80230E-03	6.28327E-03	.106422	.215103	
2.38936E-02	1.49251E-02	3.38195E-02	2.55848E-02	12
.139642	.155637	.224141	.272005	
2.62394E-02	1.57656E-02	4.45696E-02	2.11327E-02	13
4.98886E-02	8.33564E-02	.175725	.287432	
3.16503E-02	3.59778E-02	2.94888E-02	4.83487E-02	14
.202409	.202772	.23796	.319959	
3.26872E-02	1.62194E-02	3.53966E-02	1.59744E-02	15
5.38508E-02	8.46570E-02	.160927	.261118	
2.50491E-02	1.35790E-02	4.23574E-02	2.27380E-02	16
8.98488E-02	.113006	.224757	.317213	
2.78936E-02	3.06066E-02	4.49667E-02	3.40027E-02	17
.123117	.151048	.220553	.348271	
2.61255E-02	3.07097E-02	4.40251E-02	5.03083E-02	18
.246332	.257891	.265539	.27174	
3.62663E-02	4.64352E-02	5.53894E-02	3.86956E-02	19
.140645	.161525	.234783	.305279	
2.16736E-02	1.02272E-02	3.65569E-02	3.94179E-02	20

HONEYWELL CP DATA, RUN NO. 84

				LOCATION NUMBER
.460699	.518837	.676476	.732129	1
1.58892E-02	6.71045E-03	3.65450E-02	1.31013E-02	
-8.08784E-02	-8.34401E-02	3.32024E-02	.643612	2
3.11901E-03	2.67970E-03	9.00599E-03	9.31748E-03	
-6.17606E-02	-4.97583E-02	-4.56050E-02	-2.95805E-02	3
1.20826E-02	1.18832E-02	1.18172E-02	1.32713E-02	
1.95915E-02	3.99166E-02	3.56166F-02	4.01638E-02	4
1.50021E-02	9.86041E-03	2.47220E-02	9.70618E-03	
-9.43588E-02	-.101536	-9.69209F-03	.420693	5
4.60603E-03	2.26359E-03	1.13051E-02	2.50620E-02	
-.114625	-.10328	2.95876E-02	.193078	6
6.48525E-03	3.07895E-03	2.98835E-02	2.51713E-02	
-1.11276E-02	-1.52570E-02	8.68108E-02	.205775	7
1.81011E-02	5.49717E-03	2.61685E-02	2.28352E-02	
-9.63554E-02	-6.95328E-02	5.71617E-02	.22944	8
7.91302E-03	9.72309E-03	2.35422E-02	2.33671E-02	
.203293	.19473	.201074	.279709	9
2.66103E-02	1.06887E-02	2.97087F-02	2.38444E-02	
-8.19746E-02	-4.46325E-02	5.98500E-02	.217536	10
1.12614E-02	1.52605E-02	2.78601E-02	2.34366E-02	
-9.27450E-03	2.28610E-02	.143003	.253612	11
2.46127E-02	1.66799E-02	2.88456E-02	2.15309E-02	
-2.65915E-02	1.80865E-02	.123402	.216053	12
7.55983E-03	1.46905E-02	4.30749F-02	2.41255E-02	
.200461	.207467	.217452	.272736	13
2.18740E-02	1.82782E-02	2.87965E-02	3.11802E-02	
3.16756E-02	8.81560E-02	.146213	.263993	14
1.80668E-02	2.39589E-02	2.80207E-02	1.86256E-02	
.236243	.236608	.246983	.284952	15
2.54819E-02	1.73865E-02	3.66996E-02	2.48950E-02	
4.79617E-02	5.47995E-02	.150872	.259739	16
1.20238E-02	1.11539E-02	2.92683E-02	2.06321E-02	
7.48311E-02	.109765	.192253	.29264	17
2.99562E-02	2.29973E-02	4.51567E-02	4.98074E-02	
.127161	.139921	.242103	.314796	18
1.49998E-02	1.07057E-02	4.07740F-02	2.70719E-02	
.226939	.273698	.293036	.282675	19
2.99921E-02	2.18143E-02	4.98619F-02	2.36810E-02	
.137457	.169388	.237901	.301357	20
2.22169E-02	6.93400E-03	3.45211F-02	1.44067E-02	

HONEYWELL CP DATA, RUN NO. 85

				LOCATION NUMBER
.479147	.511994	.684532	.732136	1
1.06133E-02	5.92986E-03	2.47054E-02	5.59072E-03	
-9.31691E-02	-9.05420E-02	4.66313E-02	.663862	2
2.99514E-03	1.25656E-03	1.35074E-02	1.14535E-02	
-7.38534E-02	-5.51742E-02	-3.88597E-02	-4.10298E-02	3
9.67406E-03	4.34186E-03	1.26533E-02	9.31069E-03	
8.84560E-03	3.43892E-02	3.05103E-02	4.07187E-02	4
2.74984E-02	1.65954E-02	2.05063E-02	8.70743E-03	
-.103089	-.112622	-2.93831E-02	.414696	5
3.93435E-03	1.04925E-03	8.36046E-03	1.66970E-02	
-.119049	-.115699	-1.72621E-02	.129426	6
4.17450E-03	2.60888E-03	1.71247E-02	2.08071E-02	
-3.93309E-03	-1.23262E-02	8.01620E-02	.192105	7
1.84151E-02	1.75152E-02	1.49088E-02	1.20298E-02	
-.106069	-7.26373E-02	.103907	.270294	8
7.73073E-03	5.05458E-03	2.69663E-02	1.44800E-02	
.25352	.240306	.247332	.310185	9
1.75483E-02	1.08214E-02	1.47754E-02	1.76095E-02	
-8.89812E-02	-6.68698E-02	4.97052E-02	.1427	10
1.04536E-02	1.09843E-02	2.75854E-02	1.45057E-02	
-2.77857E-02	2.87287E-02	.156405	.2977	11
3.10496E-02	1.41924E-02	1.51218E-02	3.06400E-02	
-2.53562E-02	-3.21327E-03	.102498	.215269	12
1.35599E-02	1.52339E-02	1.17870E-02	2.72206E-02	
.226459	.205393	.22313	.294144	13
1.84703E-02	1.09533E-02	1.50158E-02	1.16385E-02	
1.36242E-02	4.74631E-02	.141921	.271418	14
2.31439E-02	1.54015E-02	2.94153E-02	3.66156E-02	
.252473	.250637	.280003	.310105	15
2.67553E-02	1.06646E-02	1.04149E-02	1.55905E-02	
1.85102E-02	4.88280E-02	.143733	.230765	16
1.21321E-02	1.77549E-02	3.27014E-02	1.19133E-02	
5.22824E-02	7.02788E-02	.170351	.283783	17
1.73729E-02	7.98047E-03	3.04282E-02	1.41352E-02	
.113478	.152563	.225788	.337283	18
1.86870E-02	1.17916E-02	2.79141E-02	1.55357E-02	
.261037	.258318	.272728	.258077	19
2.94827E-02	1.36938E-02	5.26925E-02	9.04521E-03	
.134257	.161461	.239278	.319231	20
1.36144E-02	1.21867E-02	2.36276E-02	1.24495E-02	

HONEYWELL CP DATA. RUN NO. 86

				LOCATION NUMBER
9.87638E-02 4.26224E-02	.269741 2.58236E-02	.476079 1.41311E-02	.565341 2.22873E-02	1
-.433319 1.97176E-02	-.429806 1.23721E-02	-.447742 2.04851E-02	-3.10250E-02 2.93091E-02	2
-.368728 3.80598E-02	-.381046 4.23852E-02	-.363473 3.72708E-02	-.3829 2.24220E-02	3
5.74264E-02 4.87300E-02	8.48979E-02 3.05472E-02	9.83651E-02 8.00118E-02	7.09525E-02 4.89462E-02	4
-.440059 1.64533E-02	-.44763 1.99438E-02	-.474668 3.84165E-02	-.427109 2.99322E-02	5
-.401996 2.68954E-02	-.39758 2.00918E-02	-.436182 4.83672E-02	-.424062 2.79021E-02	6
1.26946E-02 4.01646E-02	4.47115E-02 1.69783E-02	.198145 6.74946E-02	.357665 2.68048E-02	7
-.19642 3.35698E-02	-.236871 2.12550E-02	-.213308 5.65994E-02	-.204572 3.98241E-02	8
.2138 4.20344E-02	.31849 2.52049E-02	.456896 5.97688E-02	.531031 5.12947E-02	9
-8.01755E-02 2.54398E-02	-8.66140E-02 1.57074E-02	-8.87039E-02 3.80379E-02	-2.42208E-02 2.95249E-02	10
1.55213E-02 5.39399E-02	2.79360E-02 3.64972E-02	2.19599E-02 3.21220E-02	4.11950E-02 2.31342E-02	11
.148219 6.42462E-02	.192897 4.32595E-02	.264705 6.73222E-02	.283169 4.09187E-02	12
.27124 4.14723E-02	.298535 2.98111E-02	.437496 7.12541E-02	.499395 2.76200E-02	13
4.58177E-02 3.62238E-02	7.49627E-02 3.84348E-02	9.88121E-02 4.36083F-02	.167727 3.55304E-02	14
.271313 6.36596E-02	.329015 4.19024E-02	.478012 4.81266E-02	.529466 2.52122E-02	15
.204137 7.44427E-02	.2616 3.75249E-02	.29755 9.50800E-02	.327895 3.35599E-02	16
.165082 4.77597E-02	.195992 4.09791E-02	.200186 7.00346F-02	.278701 5.59931E-02	17
.322821 9.22031E-02	.360073 3.08522E-02	.452753 8.71325E-02	.512245 5.06301E-02	18
.141611 6.26913E-02	.253122 3.02044E-02	.268631 6.23994E-02	.263888 2.49176E-02	19
.352272 8.24398E-02	.371104 5.96155E-02	.4018 3.69447E-02	.407401 2.46188E-02	20

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				LOCATION NUMBER
9.88165E-02	.307068	.467563	.567415	1
2.90564E-02	2.50402E-02	8.15996E-03	1.17953E-02	
-.444209	-.445899	-.471053	-5.52613E-02	2
1.53594E-02	1.20343E-02	1.92322E-02	1.89635E-02	
-.400806	-.385548	-.406052	-.378223	3
2.38121E-02	3.09283E-02	4.12638F-02	1.92304E-02	
2.88830E-02	8.65948E-02	4.92536E-02	8.73884E-02	4
5.11913E-02	6.12590E-02	5.89642E-02	2.52461E-02	
-.453475	-.466168	-.483254	-.475756	5
1.68313E-02	1.25105E-02	2.85757E-02	1.74589E-02	
-.412512	-.447278	-.457337	-.428974	6
1.28911E-02	2.11398E-02	3.05426E-02	2.61950E-02	
1.67467E-02	2.69200E-02	.148836	.337302	7
2.25978E-02	4.26674E-02	2.99960E-02	2.71127E-02	
-.239994	-.247061	-.257363	-.223332	8
3.56119E-02	1.84075E-02	3.74463E-02	2.45253E-02	
.260881	.355112	.388129	.499752	9
4.14751E-02	1.33900E-02	3.23622E-02	2.59410E-02	
-.114312	-.118592	-8.36319E-02	-.106402	10
2.43235E-02	2.27400E-02	2.92256F-02	1.12221E-02	
2.56597E-02	1.14386E-02	4.75049E-02	7.55367E-02	11
3.83602E-02	3.14140E-02	3.60426F-02	3.22668E-02	
.140367	.150797	.240054	.273035	12
4.08641E-02	3.16686E-02	5.60959F-02	2.84444E-02	
.270708	.336886	.39562	.519111	13
3.98259E-02	1.07119E-02	4.39571E-02	8.55031E-03	
7.83284E-02	8.35766E+02	.10388	.127861	14
2.64140E-02	2.00990E-02	4.93122E-02	1.95790E-02	
.287829	.372116	.488716	.531639	15
2.83357E-02	2.11069E-02	4.32991E-02	1.97980E-02	
.201257	.198412	.275601	.311738	16
4.34876E-02	3.97340E-02	4.46437E-02	4.04471E-02	
.194628	.221296	.22181	.222129	17
6.08210E-02	3.55806E-02	5.07014F-02	2.92081E-02	
.302223	.31287	.398452	.496617	18
3.16497E-02	3.12465E-02	3.61456F-02	2.53967E-02	
.171177	.219526	.245156	.240368	19
3.33313E-02	1.94021E-02	4.34490E-02	3.42664E-02	
.328662	.355242	.381122	.416374	20
3.96269E-02	2.74215E-02	5.20706E-02	1.87307E-02	

HONEYWELL CP DATA, RUN NO. 86

				LOCATION NUMBER
.130364 1.73915E-02	.386273 1.11206E-02	.480194 9.60273E-03	.558 7.94408E-03	1
-.460798 2.35422E-02	-.449264 8.60050E-03	-.465107 1.72491E-02	-2.75010E-02 2.71366E-02	2
-.40873 5.85888E-02	-.398307 1.70006E-02	-.389535 3.06843E-02	-.394198 2.24641E-02	3
-2.65911E-02 2.27423E-02	1.35004E-02 4.46560E-02	1.93290E-02 3.86076E-02	-1.51380E-03 1.90538E-02	4
-.472288 1.36739E-02	-.477312 7.03563E-03	-.512946 1.53389E-02	-.47766 1.51609E-02	5
-.426274 1.08386E-02	-.450897 1.69352E-02	-.480033 2.50541E-02	-.470059 1.53648E-02	6
7.67794E-02 2.79761E-02	8.51859E-02 1.34259E-02	.147639 2.01679E-02	.312179 2.26538E-02	7
-.237507 1.48659E-02	-.270619 5.89205E-03	-.258272 2.22374E-02	-.216222 2.89712E-02	8
.278621 1.48397E-02	.382513 1.57605E-02	.480221 2.62247E-02	.548713 1.57100E-02	9
-.11329 3.59136E-02	-.13161 1.37382E-02	-.12517 3.34199E-02	-.107737 1.40774E-02	10
-5.15458E-03 2.22764E-02	-1.14965E-02 1.19836E-02	-6.83245E-03 1.88713E-02	3.32384E-02 1.47149E-02	11
9.01889E-02 3.39711E-02	.126308 2.04511E-02	.186714 3.59203E-02	.21836 2.13473E-02	12
.274164 3.89317E-02	.338006 1.61926E-02	.41771 2.08321E-02	.499603 2.16275E-02	13
.10282 3.41945E-02	.119323 1.10917E-02	.111075 2.53853E-02	.155948 2.61814E-02	14
.29454 3.56976E-02	.3548 2.06750E-02	.482368 2.27278E-02	.552527 9.93656E-03	15
.168177 3.71461E-02	.177386 2.51202E-02	.205734 3.86932E-02	.246769 1.53858E-02	16
.193358 3.74953E-02	.216674 2.67961E-02	.25207 1.95785E-02	.291411 2.92227E-02	17
.260943 3.42911E-02	.300256 1.43831E-02	.403119 3.18544E-02	.490075 2.18173E-02	18
.170351 3.72414E-02	.193577 1.79203E-02	.254231 4.95428F-02	.239771 1.75136E-02	19
.293681 3.31821E-02	.305676 1.55607E-02	.389602 2.98679E-02	.431824 2.31796E-02	20

HONEYVELL CP DATA, RUN NO. 69   LOCATION NUMBER

				LOCATION NUMBER
.502142	.31829	.737766	.442472	1
1.21493E-02	2.12898E-03	1.35736E-02	3.16748E-03	
-4.99436E-02	.397924	.648261	.78223	2
1.69106E-03	1.93726E-02	2.27519E-02	3.44289E-03	
.445763	.565234	.594751	.594853	3
2.84754E-02	1.19071E-02	1.77542E-02	1.12678E-02	
.44283	.494817	.382574	.473855	4
2.21815E-02	1.45251E-02	2.82725E-02	7.42842E-03	
-3.72559E-02	.125877	.675561	.753134	5
5.43573E-03	9.42107E-03	1.31341E-02	3.91959E-03	
-2.60724E-03	.12335	.564542	.693988	6
8.02667E-03	1.06136E-02	1.95545E-02	6.23471E-03	
.23597	.247870	.395696	.525642	7
9.93739E-03	1.12695E-02	3.15347E-02	1.37932E-02	
.134934	.252915	.685142	.747424	8
1.46107E-02	1.45593E-02	3.35246E-02	6.54598E-03	
.463787	.412616	.49251	.56657	9
1.57075E-02	1.64925E-02	1.76935E-02	3.98544E-02	
.108166	.25441	.517795	.643502	10
1.85876E-02	9.46126E-03	2.20856E-02	9.95328E-03	
.236691	.327615	.57564	.723889	11
1.78479E-02	1.11072E-02	4.21345E-02	1.54743E-02	
.226385	.298338	.583587	.621953	12
9.87933E-03	7.62588E-03	3.26865E-02	9.89449E-03	
.32185	.349229	.425765	.465969	13
2.94321E-02	9.28666E-03	1.31467E-02	1.89963E-02	
.249794	.323979	.407582	.642155	14
1.94734E-02	1.44772E-02	2.19896E-02	1.16057E-02	
.348743	.36419	.423346	.496581	15
1.25278E-02	5.63497E-03	2.14865E-02	1.55297E-02	
.26926	.385555	.482693	.612327	16
1.26225E-02	1.33558E-02	1.63467E-02	1.86517E-02	
.381831	.366943	.524687	.625241	17
2.12185E-02	1.96258E-02	2.87397E-02	1.16402E-02	
.253766	.307886	.481525	.532254	18
1.41088E-02	1.71976E-02	3.36931E-02	1.71412E-02	
.462509	.525497	.537466	.547875	19
2.48684E-02	1.41637E-02	3.52256E-02	1.48996E-02	
.31512	.37091	.475858	.552893	20
1.99139E-02	1.56192E-02	1.53475E-02	1.20206E-02	

MORE, TYPE 1; NONE, TYPE 0
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HONEYWELL CP DATA, RUN NO. 90

				LOCATION NUMBER
.490944	.500689	.721655	.449041	1
1.98523E-02	4.33667E-03	2.53993E-02	6.44106E-03	
-3.34426E-02	.354605	.613616	.688807	2
5.70463E-03	1.95574E-02	1.48453E-02	7.59590E-03	
.444517	.572827	.601388	.610477	3
1.55629E-02	6.51518E-03	1.84079E-02	1.77168E-02	
.434965	.489579	.518013	.492038	4
1.65946E-02	1.00030E-02	3.23208E-02	1.41662E-02	
-3.35862E-02	.120199	.655688	.738634	5
4.22130E-03	8.78606E-03	2.74878E-02	3.02299E-03	
1.10005E-03	.11303	.561808	.703492	6
1.30179E-02	1.23947E-02	3.33265E-02	1.68843E-02	
.219435	.233161	.406281	.541227	7
1.60483E-02	1.28693E-02	4.19478E-02	1.59381E-02	
.126717	.249058	.604155	.728343	8
1.46751E-02	1.70116E-02	2.25061E-02	9.81924E-03	
.364	.375992	.464079	.564839	9
2.20115E-02	1.99180E-02	3.06902E-02	2.42564E-02	
.16229	.239952	.486002	.642597	10
1.59042E-02	1.72399E-02	2.35239E-02	9.51440E-03	
.229236	.327909	.54671	.68761	11
2.31581E-02	1.21398E-02	4.36384E-02	1.94300E-02	
.226626	.306756	.499887	.655243	12
1.19338E-02	1.05640E-02	2.88765E-02	2.54045E-02	
.320349	.335559	.411436	.477792	13
1.95866E-02	7.32385E-03	3.05128E-02	2.11805E-02	
.262408	.327857	.4723	.621938	14
3.13303E-02	1.40777E-02	3.76337E-02	1.96233E-02	
.352243	.346214	.426874	.49944	15
2.29536E-02	1.12508E-02	1.91130E-02	3.15814E-02	
.27457	.332853	.523168	.60712	16
1.80437E-02	1.39786E-02	1.76738E-02	2.07517E-02	
.318679	.369058	.52814	.640256	17
1.68500E-02	1.55138E-02	3.32250E-02	8.48812E-03	
.22887	.295034	.394537	.508677	18
1.52805E-02	1.11310E-02	2.62796E-02	1.45456E-02	
.444948	.525017	.532159	.556825	19
2.94133E-02	2.97874E-02	4.10082E-02	1.87448E-02	
.310757	.354176	.474427	.515533	20
1.33529E-02	1.03846E-02	1.33974E-02	1.23922E-02	

HONEYWELL CP DATA. RUN NO. 91

				LOCATION NUMBER
.49084	.47366	.712216	.4433	**1**
3.19239E-02	2.19112E-03	1.27944E-02	3.72023E-03	
-2.41128E-02	.386423	.600453	.674375	**2**
2.14286E-03	1.62273E-02	2.02641E-02	1.11280E-02	
.442618	.571639	.571594	.576107	**3**
2.36950E-02	1.73161E-02	1.97394E-02	9.29970E-03	
.462851	.479838	.517815	.469144	**4**
3.14358E-02	2.73616E-02	4.38156E-02	1.71933E-02	
-2.25545E-02	.131347	.664912	.710985	**5**
8.08221E-03	1.50010E-02	1.90636E-02	5.08194E-03	
-7.88949E-03	.115643	.544354	.67399	**6**
1.42050E-02	1.37198E-02	4.494R85-02	1.29539E-02	
.161929	.200423	.345701	.545254	**7**
2.58150E-02	1.29985E-02	3.20308E-02	3.09283E-02	
.124409	.230289	.561665	.70801	**8**
2.58370E-02	1.96610E-02	3.50390F-02	1.27374E-02	
.348286	.346537	.406607	.502984	**9**
3.25655E-02	1.32521E-02	3.59904E-02	2.19293E-02	
.158885	.234311	.516679	.631238	**10**
1.72899E-02	1.10807E-02	5.77518E-02	1.98498E-02	
.22582	.313914	.535343	.671184	**11**
3.81863E-02	1.94853E-02	2.90012E-02	1.93549E-02	
.232416	.288492	.535935	.62618	**12**
2.92451E-02	1.57185E-02	4.09493E-02	3.03545E-02	
.265551	.311083	.360511	.413952	**13**
3.22959E-02	1.58030E-02	2.86197F-02	1.97486E-02	
.230096	.305652	.490104	.620075	**14**
2.52428E-02	3.40401E-02	4.38934F-02	1.70113E-02	
.304943	.321019	.390396	.454392	**15**
2.78376E-02	1.38148E-02	2.55202E-07	3.64820E-02	
.263304	.317767	.466838	.632816	**16**
2.56480E-02	3.18135E-02	1.95971F-07	1.55575E-02	
.300462	.345032	.49622R	.605299	**17**
2.86330E-02	2.57192E-02	4.82197F-02	1.49165E-02	
.251864	.317466	.429656	.524323	**18**
2.89197E-02	2.70161E-02	5.31627F-02	4.12939E-02	
.449974	.530236	.534413	.59704	**19**
3.50121E-02	2.88627E-02	3.78954E-02	1.37379E-02	
.313447	.357905	.445275	.523589	**20**
3.33377E-02	9.25151E-03	2.85252F-02	1.54786E-02	