

CRAY
1987
CUSTOMER SATISFACTION
SURVEY
QUESTIONAIRES

May 7, 1987

Jack Keen, Project Manager

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Mountain View, CA 94303

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INTRODUCTION

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INTRODUCTION

SOURCE OF INFORMATION

The information in this binder is the computerized summary of the results of the 1987 Cray Customer Satisfaction Survey conducted by INPUT, Mountain View, CA, for CRI.

A total of 57 on-site or telephone interviews were conducted among CRI U.S. customers during the Spring of 1987 by INPUT. For specific information concerning the purpose, scope, and methodology of the survey, refer to the "Executive Report of Findings" presentations given to CRI on May 7, 1987.

HARDWARE/SOFTWARE USED FOR DATA ANALYSIS

The responses to the questionnaires were entered into a DBASE III data base management system program developed by INPUT. DBASE III is an IBM PC-based software product sold by Ashton-Tate, Inc. of Torrance, California. INPUT set up the necessary parameters to enable DBASE III to accept data entry in the format used by the CRI questionnaires.

Once the questionnaire data was captured into DBASE III fields and records, another PC-based software product called ABSTAT was programmed by INPUT to produce the require statistical analysis. A majority of the printouts in this binder were produced by the ABSTAT program using CRI data captured in DBASE III.

FURTHER INFORMATION

An explanation of how to read and interpret the enclosed computerized printouts is included in the next section of this binder.

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Additional information related to the survey includes:

- Executive Summary of Findings
- Questionnaires (see questionnaire binder)

Persons needing additional assistance with interpretation of the survey information should contact Bruce Kasson's office at CRI.

HOW TO READ PRINTOUTS

QUESTIONNAIRE NUMBERING

Each questionnaire has a unique catalog number assigned to it by INPUT for identification purposes. The field name for this item is CATNO and appears on many of the printouts.

DBASE III assigns a record number to each questionnaire for internal tracking purposes. This record number is not the same as the catalog number. ABSTAT also assigns a number, but calls it a case number. There is no one-to-one correspondence between DBASE record number and ABSTAT case numbers, so be sure that you understand which type of number is being used on which report. (All ABSTAT reports have the word ABSTAT in the upper left hand corner to aid in identification.)

To assist you in easily determining which number refers to which questionnaire the List of Respondents section of this binder includes a number of cross reference listings, for each customer.

FIELD NAMES AND NUMBERS

Each data item on the questionnaire that is entered in the computerized data base is assigned a field name and number. These names and numbers are different for DBASE and ABSTAT. The questionnaires in the back of the binder shows which field numbers are assigned to which questions for both DBASE and ABSTAT.

REPORT DESCRIPTIONS

Listed below are brief descriptions of each report contained in this binder. Reports are discussed below in the same sequence as they are presented in the binder.

RAW DATA LIST (ABSTAT)

This ABSAT report shows, for each question, the answer given by each respondent. It is very helpful for quickly determining the full range of responses for a given question. Each questionnaire is identified by case number. To determine the customer corresponding to this case number refer to the cross reference in the list of respondents section. Questions are listed in question number sequence. Only those questions with numerical answers (including 1=Yes, 2=No) are shown.

HISTOGRAMS

This report shows the frequency distribution for many numeric questions in both a graphical and tabular format. Information is presented in question number sequence and is shown only for "all respondents" (no special cross tabs are shown for special sub-sets of the customer base, such as by region).

FREQUENCY/DESCRIPTIVE

This series of reports presents statistical summaries of the responses on a question by question basis. Information is sequenced by questionnaire number.

The frequency report format lists each individual value that occurred for a given question and indicates the total number of responses for each value, as well as the percent each is of the total number of responses for all values.

The descriptive report format (e.g., see question number Q2A through Q2G) presents the summary statistics for questions appropriate to this type of analysis. The mean, standard deviation, minimum, and maximum of all the responses for a given question are presented, along with additional statistics. Also included in the number of valid cases and the number of cases from the total that did not answer this question. Information is presented in sequence by question number.

The frequency/descriptive reports are provided for "all respondents" as well as for the following sub-sets:

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- By type of organization
 - . Commercial customers
 - . Government customers
- By region
 - . Central
 - . Eastern
 - . Petroleum
 - . Western
- By type of operating system
 - . COS
 - . CTSS
 - . UNICOS
- By type of hardware
 - . Cray I
 - . XMP
- By percentage of machine utilization
 - . 0-40% utilization
 - . 41-89% utilization
 - . 90-100% utilization
- By industry
 - . Aerospace
 - . Petroleum
 - . Service Bureau/Univ/NSF
 - . Other

Additional sub-sets can be obtained by using DBASE and ABSTAT.

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COMMENT LIST

This report lists the unstructured responses given by CRI customers to selected questions (e.g., what factors influenced your satisfaction ratings?).

Comments are listed in this report by question number. Within each question the comments are sequenced alphabetical by customer name with commercial customers listed first, then followed by government customers.

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RESPONDENT LIST

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Cray User Satisfaction Survey

Company/Respondent List

###	Company	Name/Title
---	-----	-----
115	AFGW	Lt. Col. Falko Fye, Computer Acquisition
107	Apple	Kent Koeninger, Cray Evangelist
110	ARCO	John Coman, Manager, Computing & Telecom
127	Arnold Eng	Jack Rose, Manager of Tech. Support
118	AT&T - PN	Peter Nelson, Supervisor Systems Support
117	AT&T - PW	Peter Weinberger, Head, Computing Tech.
214	Boeing	Ralph Blohn, Manager, Supercomputer Inte
310	BRL	Howard Walter, System Administrator
122	CDC/SIS	Lou Santoro, General Manager
212	Chev - Geo	Tom Reif, Manager Network Operations
106	Chev. OFR	Jim Simpson, General Manager of Research
207	DOE - Rich	Nadine Highland, Director of Info. Tech.
213	duPont	Roger Patterson, Supervisor of Operation
101	Exxon PRC	Tom Muecke, Division Manager
102	Exxon USA	Dan Gillingham, Team Leader, OS Group
108	Fairchild	Dr. Llassan Nosrati, Mgr. Engrn. Data Ctr
114	Ford	Robert Heiney, Manager Engineer Computer
203	GA Tech -	Dan Drobris, Manager of Engineering Oper
103	GD	Jim Matous, Director Product Supervisor
210	GE Air	Douglas Walker
113	GM	Dean Hammond, Senior Staff Research
119	Grumman	John Riordan, Senior Tech. Staff Assist.
130	LLNL	Bob Borchers, Assoc. Director Computing
104	Lock. Aero	Howard Weinberger, Division Manager
109	Lock. M&S	Jack Sherman
128	Los Alamos	Norman Morse, Division Leader
126	McDonnell	Mike Jones, Chairman, Cray Tactical Plan
120	Mellon Ins	Beverly Clayton, Executive Director
129	MFE	Marilyn Richards, Computer Op. Manager
204	Minneapolis	Bob Williams, Executive Vice President
211	Mobil	Don Edwards, Manager Computer Tech.
121	NASA Lewis	Tony Hackenberg, Cray System Admin.
112	NASA-Marsh	Charles Houston, Department Manager
311	NASA/Am MS	Marcelline Smith, Chief, Computer System
308	NASA/Am RB	F. Ron Bailey, Chief, NAS Division
302	NASA/Am-GL	Glenn Lewis, Director, Advanced Computin
123	NCAR	Margaret Draye, Accounting Director
206	NCI - CC	Charles Crum, Director
202	NCI - JM	Dr. Jacob Maizel, Chief of Laboratory
307	NRL - DG	Doris Gossett, Deputy Chief
111	Oak Ridge	Charles Allen, Manager System Operations
105	Omnibus	Donald Thorp, Vice President
201	Phillips	Frank Barbee, Manager of Technical Comp.
124	Rockwell	Dan Parcell, Director, Operation Systems
309	Sandia -CA	Hilary Jones, Project Leader
125	Sandia -NM	E.K. Montoya, Manager Computer Op. Dept



Cray User Satisfaction Survey

Company/Respondent List

###	Company	Name/Title
---	-----	-----
116	Schlumberg	Bob Snow, Manager, Computing Resources
301	Scientific	Max Miller, President
208	Shell Oil	Hans Van der Schaaf, Project Manager
306	Std Oil	Marion Bone, General Manager
304	Sun Explor	Rich Morgan, Senior Operations Manager
131	Unisys	Bill Snell, Site Manager
205	Univ Texas	Dr. Charles Warlick, Director
209	Univ. IL	Mike Smith, Systems Administrator
313	Westing-FP	Fran Pellegrino, Manager of Engineering
303	Westing-RP	Robert Price, Manager, Engineer Batch Sy
305	Wright-Pat	Ray Reinhard, Chief Scientific Operation



RESPONDENTS BY COMPANY

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RESPONDENT BY COMPANY NAME

CASE	#RECORD	CATNO	CUSTOMER	87 TYPE
2	37	115	AIR FORCE GLOBAL WEA.	VISIT
22	1	107	APPLE COMPUTER	VISIT
12	15	110	ARCO OIL AND GAS	VISIT
36	53	127	ARNOLD ENGR.DEV.CENTER	PHONE
9	36	118	AT&T BELL LABS-PN	VISIT
55	39	117	AT&T BELL LABS-PW	VISIT
16	24	310	BALL.RES.LAB	PHONE
34	50	214	BOEING COMPUTER SERV.	PHONE
33	33	122	CDC/SIS	VISIT
50	45	212	CHEVRON GEOSCIENCES	PHONE
18	11	106	CHEVRON OIL FIELD RES.	VISIT
35	29	207	DEPT.OF ENERGY (ICM)	PHONE
15	46	213	E.I. duPONT	PHONE
1	7	101	EXXON PRODUCTION RES.	PHONE
46	8	102	EXXON/USA,EXPR.DP CTR.	PHONE
37	2	108	FAIRCHILD GATE ARRAY	VISIT
49	28	114	FORD MOTOR CO.	VISIT
38	4	203	GA TECHNOLOGIES(USCD)	PHONE
47	9	103	GENERAL DYNAMICS	PHONE
29	43	210	GENERAL ELEC.AIR.ENGINE	PHONE
44	27	113	GENERAL MOTORS	VISIT
30	35	119	GRUMMAN	VISIT
40	57	130	LAWRENCE LIV. NAT.LAB.	VISIT
41	10	104	LOCKHEED ADV.AERONAUT.	VISIT
24	14	109	LOCKHEED MILL.& SPACE	VISIT
56	52	128	LOS ALAMOS NAT.LAB.	PHONE
5	49	126	MCDONNEL DOUGLAS CORP.	VISIT
13	34	120	MELLON INSTITUTE	VISIT
52	5	204	MINN.SUPERCOMP.CTR.	PHONE
25	44	211	MOBIL	PHONE
43	23	302	NASA AMES-GL	PHONE
39	41	311	NASA AMES-MS	VISIT
3	18	308	NASA AMES-RB	VISIT
57	55	121	NASA LEWIS RESEARCH	VISIT
23	54	112	NASA MARSHALL	VISIT
14	32	123	NAT.CTR. FOR ATMOS.RES.	VISIT
31	56	129	NAT.MAG.FUSION ENERGY(LLNL)	VISIT
17	17	206	NATIONAL CANCER INSTITUTE-CC	PHONE
48	3	202	NATIONAL CANCER INSTITUTE-JM	PHONE
45	19	307	NAVAL RESEARCH LAB	PHONE
20	26	111	OAK RIDGE NAT.LABS	VISIT
19	13	105	OMNIBUS SIM.(DIG.PROD.)	VISIT
11	12	201	PHILLIPS PETROLEUM	PHONE
7	47	124	ROCKWELL	VISIT
51	25	309	SANDIA NAT.LABS,CA	PHONE
8	48	125	SANDIA NAT.LABS,NM	VISIT
53	38	116	SCHLUMBERGER	VISIT
21	6	301	SCIENTIFIC COMP.CTRS.	PHONE
28	30	208	SHELL OIL	PHONE
10	31	306	STANDARD OIL	PHONE
54	21	304	SUN EXPLOR.	PHONE
26	51	131	UNISYS (AFWL/SDC)	PHONE



RESPONDENT BY COMPANY NAME

CASE #	RECORD	CATNO	CUSTOMER	87 TYPE
4	16	205	UNIV.OF TEXAS (AUSTIN)	PHONE
32	42	209	UNIVERSITY OF ILLINOIS	PHONE
27	40	313	WESTINGHOUSE-FP	PHONE
6	22	303	WESTINGHOUSE-RP	PHONE
42	20	305	WRIGHT-PATTERSON AFB	PHONE



RESPONDENTS BY CASE NUMBER

INPUT



RESPONDENT BY CASE NUMBER

CASE #	RECORD	CATNO	CUSTOMER	87 TYPE
1	7	101	EXXON PRODUCTION RES.	PHONE
2	37	115	AIR FORCE GLOBAL WEA.	VISIT
3	18	308	NASA AMES-RB	VISIT
4	16	205	UNIV.OF TEXAS (AUSTIN)	PHONE
5	49	126	MCDONNEL DOUGLAS CORP.	VISIT
6	22	303	WESTINGHOUSE-RP	PHONE
7	47	124	ROCKWELL	VISIT
8	48	125	SANDIA NAT.LABS,NM	VISIT
9	36	118	AT&T BELL LABS-PN	VISIT
10	31	306	STANDARD OIL	PHONE
11	12	201	PHILLIPS PETROLEUM	PHONE
12	15	110	ARCO OIL AND GAS	VISIT
13	34	120	MELLON INSTITUTE	VISIT
14	32	123	NAT.CTR. FOR ATMOS.RES.	VISIT
15	46	213	E.I. duPONT	PHONE
16	24	310	BALL.RES.LAB	PHONE
17	17	206	NATIONAL CANCER INSTITUTE-CC	PHONE
18	11	106	CHEVRON OIL FIELD RES.	VISIT
19	13	105	OMNIBUS SIM.(DIG.PROD.)	VISIT
20	26	111	OAK RIDGE NAT.LABS	VISIT
21	6	301	SCIENTIFIC COMP.CTRS.	PHONE
22	1	107	APPLE COMPUTER	VISIT
23	54	112	NASA MARSHALL	VISIT
24	14	109	LOCKHEED MILL.& SPACE	VISIT
25	44	211	MOBIL	PHONE
26	51	131	UNISYS (AFWL/SDC)	PHONE
27	40	313	WESTINGHOUSE-FP	PHONE
28	30	208	SHELL OIL	PHONE
29	43	210	GENERAL ELEC.AIR.ENGINE	PHONE
30	35	119	GRUMMAN	VISIT
31	56	129	NAT.MAG.FUSION ENERGY(LLNL)	VISIT
32	42	209	UNIVERSITY OF ILLINOIS	PHONE
33	33	122	CDC/SIS	VISIT
34	50	214	BOEING COMPUTER SERV.	PHONE
35	29	207	DEPT.OF ENERGY (ICM)	PHONE
36	53	127	ARNOLD ENGR.DEV.CENTER	PHONE
37	2	108	FAIRCHILD GATE ARRAY	VISIT
38	4	203	GA TECHNOLOGIES(USCD)	PHONE
39	41	311	NASA AMES-MS	VISIT
40	57	130	LAWRENCE LIV. NAT.LAB.	VISIT
41	10	104	LOCKHEED ADV.AERONAUT.	VISIT
42	20	305	WRIGHT-PATTERSON AFB	PHONE
43	23	302	NASA AMES-GL	PHONE
44	27	113	GENERAL MOTORS	VISIT
45	19	307	NAVAL RESEARCH LAB	PHONE
46	8	102	EXXON/USA,EXPR.DP CTR.	PHONE
47	9	103	GENERAL DYNAMICS	PHONE
48	3	202	NATIONAL CANCER INSTITUTE-JM	PHONE
49	28	114	FORD MOTOR CO.	VISIT
50	45	212	CHEVRON GEOSCIENCES	PHONE
51	25	309	SANDIA NAT.LABS,CA	PHONE
52	5	204	MINN.SUPERCOMP.CTR.	PHONE



RESPONDENT BY CASE NUMBER

CASE #	RECORD	CATNO	CUSTOMER	87 TYPE
53	38	116	SCHLUMBERGER	VISIT
54	21	304	SUN EXPLOR.	PHONE
55	39	117	AT&T BELL LABS-PW	VISIT
56	52	128	LOS ALAMOS NAT.LAB.	PHONE
57	55	121	NASA LEWIS RESEARCH	VISIT



RESPONDENTS BY CATALOG NUMBER

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RESPONDENT BY CATALOG NUMBER

CASE	#RECORD	CATNO	CUSTOMER	87 TYPE
1	7	101	EXXON PRODUCTION RES.	PHONE
46	8	102	EXXON/USA, EXPR.DP CTR.	PHONE
47	9	103	GENERAL DYNAMICS	PHONE
41	10	104	LOCKHEED ADV.AERONAUT.	VISIT
19	13	105	OMNIBUS SIM.(DIG.PROD.)	VISIT
18	11	106	CHEVRON OIL FIELD RES.	VISIT
22	1	107	APPLE COMPUTER	VISIT
37	2	108	FAIRCHILD GATE ARRAY	VISIT
24	14	109	LOCKHEED MILL.& SPACE	VISIT
12	15	110	ARCO OIL AND GAS	VISIT
20	26	111	OAK RIDGE NAT.LABS	VISIT
23	54	112	NASA MARSHALL	VISIT
44	27	113	GENERAL MOTORS	VISIT
49	28	114	FORD MOTOR CO.	VISIT
2	37	115	AIR FORCE GLOBAL WEA.	VISIT
53	38	116	SCHLUMBERGER	VISIT
55	39	117	AT&T BELL LABS-PW	VISIT
9	36	118	AT&T BELL LABS-PN	VISIT
30	35	119	GRUMMAN	VISIT
13	34	120	MELLON INSTITUTE	VISIT
57	55	121	NASA LEWIS RESEARCH	VISIT
33	33	122	CDC/SIS	VISIT
14	32	123	NAT.CTR. FOR ATMOS.RES.	VISIT
7	47	124	ROCKWELL	VISIT
8	48	125	SANDIA NAT.LABS,NM	VISIT
5	49	126	MCDONNELL DOUGLAS CORP.	VISIT
36	53	127	ARNOLD ENGR.DEV.CENTER	PHONE
56	52	128	LOS ALAMOS NAT.LAB.	PHONE
31	56	129	NAT.MAG.FUSION ENERGY(LLNL)	VISIT
40	57	130	LAWRENCE LIV. NAT.LAB.	VISIT
26	51	131	UNISYS (AFWL/SDC)	PHONE
11	12	201	PHILLIPS PETROLEUM	PHONE
48	3	202	NATIONAL CANCER INSTITUTE-JM	PHONE
38	4	203	GA TECHNOLOGIES(USCD)	PHONE
52	5	204	MINN.SUPERCOMP.CTR.	PHONE
4	16	205	UNIV.OF TEXAS (AUSTIN)	PHONE
17	17	206	NATIONAL CANCER INSTITUTE-CC	PHONE
35	29	207	DEPT.OF ENERGY (ICM)	PHONE
28	30	208	SHELL OIL	PHONE
32	42	209	UNIVERSITY OF ILLINOIS	PHONE
29	43	210	GENERAL ELEC.AIR.ENGINE	PHONE
25	44	211	MOBIL	PHONE
50	45	212	CHEVRON GEOSCIENCES	PHONE
15	46	213	E.I. duPONT	PHONE
34	50	214	BOEING COMPUTER SERV.	PHONE
21	6	301	SCIENTIFIC COMP.CTRS.	PHONE
43	23	302	NASA AMES-GL	PHONE
6	22	303	WESTINGHOUSE-RP	PHONE
54	21	304	SUN EXPLOR.	PHONE
42	20	305	WRIGHT-PATTERSON AFB	PHONE
10	31	306	STANDARD OIL	PHONE
45	19	307	NAVAL RESEARCH LAB	PHONE



RESPONDENT BY CATALOG NUMBER

CASE #	RECORD	CATNO	CUSTOMER	87 TYPE
3	18	308	NASA AMES-RB	VISIT
51	25	309	SANDIA NAT.LABS,CA	PHONE
16	24	310	BALL.RES.LAB	PHONE
39	41	311	NASA AMES-MS	VISIT
27	40	313	WESTINGHOUSE-FP	PHONE



RESPONDENT BY RECORD NUMBER

INPUT



RESPONDENT BY RECORD NUMBER

CASE #	RECORD	CATNO	CUSTOMER	87 TYPE
22	1	107	APPLE COMPUTER	VISIT
37	2	108	FAIRCHILD GATE ARRAY	VISIT
48	3	202	NATIONAL CANCER INSTITUTE-JM	PHONE
38	4	203	GA TECHNOLOGIES(USCD)	PHONE
52	5	204	MINN.SUPERCOMP.CTR.	PHONE
21	6	301	SCIENTIFIC COMP.CTRS.	PHONE
1	7	101	EXXON PRODUCTION RES.	PHONE
46	8	102	EXXON/USA,EXPR.DP CTR.	PHONE
47	9	103	GENERAL DYNAMICS	PHONE
41	10	104	LOCKHEED ADV.AERONAUT.	VISIT
18	11	106	CHEVRON OIL FIELD RES.	VISIT
11	12	201	PHILLIPS PETROLEUM	PHONE
19	13	105	OMNIBUS SIM.(DIG.PROD.)	VISIT
24	14	109	LOCKHEED MILL.& SPACE	VISIT
12	15	110	ARCO OIL AND GAS	VISIT
4	16	205	UNIV.OF TEXAS (AUSTIN)	PHONE
17	17	206	NATIONAL CANCER INSTITUTE-CC	PHONE
3	18	308	NASA AMES-RB	VISIT
45	19	307	NAVAL RESEARCH LAB	PHONE
42	20	305	WRIGHT-PATTERSON AFB	PHONE
54	21	304	SUN EXPLOR.	PHONE
6	22	303	WESTINGHOUSE-RP	PHONE
43	23	302	NASA AMES-GL	PHONE
16	24	310	BALL.RES.LAB	PHONE
51	25	309	SANDIA NAT.LABS,CA	PHONE
20	26	111	OAK RIDGE NAT.LABS	VISIT
44	27	113	GENERAL MOTORS	VISIT
49	28	114	FORD MOTOR CO.	VISIT
35	29	207	DEPT.OF ENERGY (ICM)	PHONE
28	30	208	SHELL OIL	PHONE
10	31	306	STANDARD OIL	PHONE
14	32	123	NAT.CTR. FOR ATMOS.RES.	VISIT
33	33	122	CDC/SIS	VISIT
13	34	120	MELLON INSTITUTE	VISIT
30	35	119	GRUMMAN	VISIT
9	36	118	AT&T BELL LABS-PN	VISIT
2	37	115	AIR FORCE GLOBAL WEA.	VISIT
53	38	116	SCHLUMBERGER	VISIT
55	39	117	AT&T BELL LABS-PW	VISIT
27	40	313	WESTINGHOUSE-FP	PHONE
39	41	311	NASA AMES-MS	VISIT
32	42	209	UNIVERSITY OF ILLINOIS	PHONE
29	43	210	GENERAL ELEC.AIR.ENGINE	PHONE
25	44	211	MOBIL	PHONE
50	45	212	CHEVRON GEOSCIENCES	PHONE
15	46	213	E.I. duPONT	PHONE
7	47	124	ROCKWELL	VISIT
8	48	125	SANDIA NAT.LABS,NM	VISIT
5	49	126	MCDONNELL DOUGLAS CORP.	VISIT
34	50	214	BOEING COMPUTER SERV.	PHONE
26	51	131	UNISYS (AFWL/SDC)	PHONE
56	52	128	LOS ALAMOS NAT.LAB.	PHONE



RESPONDENT BY RECORD NUMBER

CASE #	RECORD	CATNO	CUSTOMER	87 TYPE
36	53	127	ARNOLD ENGR.DEV.CENTER	PHONE
23	54	112	NASA MARSHALL	VISIT
57	55	121	NASA LEWIS RESEARCH	VISIT
31	56	129	NAT.MAG.FUSION ENERGY(LLNL)	VISIT
40	57	130	LAWRENCE LIV. NAT.LAB.	VISIT



Raw Data
Histograms
Frequency/
Descriptive
Reports



RAW DATA LIST

ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY -
REV#206

ALL RESPONDENTS
APR 28 '87 PAGE 1

COMMAND: LIST DATA

MISSING VALUE TREATMENT: INCLUDE

VARIABLES:

CASE	1 CATNO	2 DATE	3 TYPE	4 REGION	5 SYSTYPE
1	101.000	19870327	MISSING	3.00000	1.00000
2	115.000	19870410	MISSING	1.00000	3.00000
3	308.000	19870407	MISSING	4.00000	2.00000
4	205.000	19870403	MISSING	3.00000	3.00000
5	126.000	19870421	MISSING	1.00000	3.00000
6	303.000	19870406	MISSING	2.00000	1.00000
7	124.000	19870420	MISSING	4.00000	3.00000
8	125.000	19870420	MISSING	1.00000	3.00000
9	118.000	19870414	MISSING	2.00000	3.00000
10	306.000	19870408	MISSING	3.00000	3.00000
11	201.000	19870326	MISSING	3.00000	1.00000
12	110.000	19870407	MISSING	3.00000	3.00000
13	120.000	19870416	MISSING	2.00000	3.00000
14	123.000	19870417	MISSING	1.00000	3.00000
15	213.000	19870422	MISSING	2.00000	1.00000
16	310.000	19870408	MISSING	2.00000	3.00000
17	206.000	19870406	MISSING	2.00000	3.00000
18	106.000	19860327	MISSING	4.00000	3.00000
19	105.000	19870327	MISSING	4.00000	3.00000
20	111.000	19870408	MISSING	2.00000	3.00000
21	301.000	19870402	MISSING	3.00000	1.00000
22	107.000	19870401	MISSING	4.00000	3.00000
23	112.000	19870408	MISSING	2.00000	3.00000
24	109.000	19870402	MISSING	4.00000	3.00000
25	211.000	19870421	MISSING	3.00000	3.00000
26	131.000	19870423	MISSING	1.00000	1.00000
27	313.000	19870413	MISSING	2.00000	1.00000
28	208.000	19870409	MISSING	3.00000	3.00000
29	210.000	19870420	MISSING	2.00000	3.00000
30	119.000	19870415	MISSING	2.00000	3.00000
31	129.000	19870423	MISSING	4.00000	2.00000
32	209.000	19870416	MISSING	1.00000	3.00000
33	122.000	19870417	MISSING	1.00000	3.00000
34	214.000	19870422	MISSING	4.00000	3.00000
35	207.000	19870407	MISSING	4.00000	3.00000
36	127.000	19870422	MISSING	2.00000	3.00000
37	108.000	19870401	MISSING	4.00000	1.00000
38	203.000	19870402	MISSING	4.00000	3.00000
39	311.000	19870409	MISSING	4.00000	3.00000
40	130.000	19870423	MISSING	4.00000	3.00000
41	104.000	19870325	MISSING	4.00000	3.00000
42	305.000	19870406	MISSING	2.00000	3.00000
43	302.000	19870403	MISSING	4.00000	3.00000
44	113.000	19860409	MISSING	1.00000	3.00000
45	307.000	19870407	MISSING	2.00000	3.00000
46	102.000	19870324	MISSING	3.00000	3.00000
47	103.000	19870324	MISSING	3.00000	3.00000
48	202.000	19870402	MISSING	2.00000	3.00000
49	114.000	19860409	MISSING	1.00000	3.00000
50	212.000	19870422	MISSING	3.00000	3.00000
51	309.000	19870408	MISSING	4.00000	3.00000



52	204.000	19870402	MISSING	1.00000	2.00000
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COMMAND: LIST DATA

VARIABLES:

CASE	1 CATNO	2 DATE	3 TYPE	4 REGION	5 SYSTYPE
53	116.000	19870414	MISSING	2.00000	3.00000
54	304.000	19870406	MISSING	3.00000	3.00000
55	117.000	19870414	MISSING	2.00000	3.00000
56	128.000	19870423	MISSING	1.00000	3.00000
57	121.000	19870416	MISSING	2.00000	3.00000

VARIABLES:

CASE	6 OSTYPE	7 UTIL	8 COMGOVT	9 COMTYPE	10 Q1D
1	1.00000	MISSING	1.00000	1.00000	2.00000
2	1.00000	MISSING	2.00000	0.00000	1.00000
3	3.00000	MISSING	2.00000	0.00000	2.00000
4	1.00000	MISSING	1.00000	2.00000	2.00000
5	1.00000	MISSING	1.00000	3.00000	1.00000
6	1.00000	MISSING	1.00000	4.00000	1.00000
7	1.00000	MISSING	1.00000	3.00000	1.00000
8	2.00000	MISSING	2.00000	0.00000	2.00000
9	1.00000	MISSING	1.00000	4.00000	2.00000
10	1.00000	MISSING	1.00000	1.00000	1.00000
11	1.00000	MISSING	1.00000	1.00000	1.00000
12	1.00000	MISSING	1.00000	1.00000	1.00000
13	1.00000	MISSING	2.00000	2.00000	2.00000
14	1.00000	MISSING	2.00000	0.00000	2.00000
15	1.00000	MISSING	1.00000	4.00000	2.00000
16	1.00000	MISSING	2.00000	0.00000	2.00000
17	1.00000	MISSING	2.00000	0.00000	2.00000
18	1.00000	MISSING	1.00000	1.00000	2.00000
19	1.00000	MISSING	1.00000	4.00000	1.00000
20	2.00000	MISSING	2.00000	0.00000	2.00000
21	1.00000	MISSING	1.00000	2.00000	1.00000
22	3.00000	MISSING	1.00000	4.00000	2.00000
23	1.00000	MISSING	2.00000	4.00000	1.00000
24	1.00000	MISSING	1.00000	3.00000	1.00000
25	1.00000	MISSING	1.00000	1.00000	1.00000
26	2.00000	MISSING	2.00000	1.00000	2.00000
27	1.00000	MISSING	1.00000	4.00000	1.00000
28	1.00000	MISSING	1.00000	1.00000	1.00000
29	1.00000	MISSING	1.00000	3.00000	2.00000
30	1.00000	MISSING	1.00000	3.00000	1.00000
31	2.00000	MISSING	2.00000	0.00000	2.00000
32	2.00000	MISSING	2.00000	2.00000	2.00000
33	1.00000	MISSING	1.00000	2.00000	2.00000
34	1.00000	MISSING	1.00000	2.00000	2.00000
35	3.00000	5.00000	2.00000	0.00000	2.00000
36	1.00000	MISSING	2.00000	1.00000	2.00000
37	1.00000	MISSING	1.00000	4.00000	1.00000
38	2.00000	MISSING	2.00000	2.00000	2.00000
39	1.00000	MISSING	2.00000	0.00000	2.00000
40	2.00000	MISSING	2.00000	0.00000	MISSING
41	1.00000	MISSING	1.00000	3.00000	2.00000
42	1.00000	MISSING	2.00000	0.00000	1.00000
43	1.00000	MISSING	2.00000	0.00000	2.00000
44	1.00000	MISSING	1.00000	4.00000	2.00000
45	1.00000	MISSING	2.00000	0.00000	2.00000



46	1.00000	MISSING	1.00000	1.00000	1.00000
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COMMAND: LIST DATA

VARIABLES:

CASE	6 OSTYPE	7 UTIL	8 COMGOVT	9 COMTYPE	10 Q1D
47	1.00000	MISSING	1.00000	3.00000	1.00000
48	1.00000	MISSING	2.00000	0.00000	2.00000
49	1.00000	MISSING	1.00000	4.00000	1.00000
50	1.00000	MISSING	1.00000	1.00000	2.00000
51	2.00000	MISSING	2.00000	0.00000	2.00000
52	3.00000	MISSING	2.00000	2.00000	2.00000
53	2.00000	MISSING	1.00000	4.00000	1.00000
54	1.00000	MISSING	1.00000	1.00000	1.00000
55	3.00000	MISSING	1.00000	4.00000	2.00000
56	2.00000	MISSING	2.00000	0.00000	2.00000
57	1.00000	MISSING	2.00000	3.00000	2.00000

VARIABLES:

CASE	11 Q2A	12 Q2B	13 Q2C1	14 Q2C2	15 Q2C3
1	7.00000	10.0000	9.00000	9.00000	9.00000
2	9.00000	9.00000	6.00000	8.00000	2.00000
3	10.0000	9.00000	10.0000	10.0000	5.00000
4	9.00000	10.0000	7.00000	7.00000	7.00000
5	7.00000	7.00000	9.00000	8.00000	8.00000
6	8.00000	6.00000	6.00000	8.00000	3.00000
7	10.0000	9.00000	8.00000	9.00000	7.00000
8	9.00000	9.00000	9.00000	10.0000	7.00000
9	10.0000	8.00000	9.00000	6.00000	5.00000
10	8.00000	10.0000	10.0000	8.00000	5.00000
11	8.00000	8.00000	7.00000	9.00000	7.00000
12	9.00000	8.00000	6.00000	5.00000	5.00000
13	9.00000	9.00000	8.00000	9.00000	7.00000
14	9.00000	5.00000	7.00000	9.00000	3.00000
15	10.0000	7.00000	10.0000	10.0000	7.00000
16	9.00000	8.00000	9.00000	8.00000	6.00000
17	10.0000	9.00000	8.00000	8.00000	7.00000
18	9.00000	6.00000	8.00000	8.00000	5.00000
19	9.00000	9.00000	5.00000	5.00000	2.00000
20	10.0000	9.00000	8.00000	10.0000	8.00000
21	7.00000	9.00000	9.00000	10.0000	8.00000
22	10.0000	5.00000	8.00000	8.00000	5.00000
23	10.0000	10.0000	10.0000	10.0000	9.00000
24	10.0000	10.0000	10.0000	8.00000	6.00000
25	10.0000	9.00000	9.00000	7.00000	7.00000
26	10.0000	10.0000	10.0000	10.0000	10.0000
27	9.00000	9.00000	7.00000	8.00000	7.00000
28	8.00000	9.00000	8.00000	9.00000	7.00000
29	7.00000	7.00000	7.00000	7.00000	7.00000
30	8.00000	4.00000	6.00000	5.00000	2.00000
31	8.00000	10.0000	1.00000	1.00000	1.00000
32	8.00000	7.00000	5.00000	6.00000	7.00000
33	8.00000	10.0000	7.00000	7.00000	7.00000
34	8.00000	8.00000	8.00000	8.00000	6.00000
35	8.00000	8.00000	6.00000	8.00000	6.00000
36	9.00000	7.00000	8.00000	9.00000	8.00000
37	9.00000	9.00000	9.00000	9.00000	7.00000
38	9.00000	4.00000	8.00000	6.00000	6.00000
39	10.0000	10.0000	8.00000	8.00000	4.00000



40 10.0000 8.00000 1.00000 1.00000 1.00000



COMMAND: LIST DATA

VARIABLES:

CASE	11 Q2A	12 Q2B	13 Q2C1	14 Q2C2	15 Q2C3
41	10.0000	10.0000	10.0000	10.0000	8.00000
42	10.0000	10.0000	9.00000	9.00000	8.00000
43	9.00000	5.00000	5.00000	7.00000	6.00000
44	8.00000	10.0000	7.00000	9.00000	3.00000
45	8.00000	9.00000	9.00000	8.00000	7.00000
46	10.0000	9.00000	10.0000	10.0000	8.00000
47	10.0000	9.00000	9.00000	7.00000	6.00000
48	9.00000	8.00000	8.00000	8.00000	8.00000
49	10.0000	10.0000	8.00000	9.00000	6.00000
50	9.00000	9.00000	8.00000	9.00000	8.00000
51	8.00000	7.00000	7.00000	8.00000	5.00000
52	10.0000	7.00000	9.00000	6.00000	4.00000
53	8.00000	8.00000	6.00000	6.00000	5.00000
54	7.00000	7.00000	5.00000	6.00000	6.00000
55	8.00000	4.00000	8.00000	10.0000	2.00000
56	10.0000	10.0000	8.00000	7.00000	4.00000
57	10.0000	10.0000	8.00000	8.00000	8.00000

VARIABLES:

CASE	16 Q2C4	17 Q2D	18 Q2E	19 Q2F	20 Q2G
1	9.00000	9.00000	4.00000	6.00000	7.00000
2	2.00000	6.00000	3.00000	8.00000	8.00000
3	8.00000	7.00000	1.00000	5.00000	5.00000
4	MISSING	6.00000	8.00000	6.00000	9.00000
5	9.00000	10.0000	10.0000	6.00000	10.0000
6	5.00000	6.00000	3.00000	9.00000	6.00000
7	8.00000	8.00000	9.00000	8.00000	8.00000
8	9.00000	10.0000	5.00000	7.00000	7.00000
9	4.00000	9.00000	3.00000	5.00000	9.00000
10	8.00000	9.00000	5.00000	8.00000	8.00000
11	7.00000	7.00000	6.00000	9.00000	10.0000
12	7.00000	7.00000	7.00000	9.00000	7.00000
13	8.00000	7.00000	8.00000	8.00000	9.00000
14	3.00000	5.00000	3.00000	7.00000	9.00000
15	10.0000	8.00000	10.0000	7.00000	10.0000
16	7.00000	7.00000	8.00000	5.00000	5.00000
17	7.00000	8.00000	8.00000	8.00000	5.00000
18	7.00000	8.00000	3.00000	5.00000	9.00000
19	7.00000	8.00000	2.00000	2.00000	10.0000
20	10.0000	10.0000	8.00000	8.00000	10.0000
21	8.00000	7.00000	10.0000	10.0000	9.00000
22	5.00000	7.00000	8.00000	10.0000	2.00000
23	9.00000	9.00000	10.0000	10.0000	10.0000
24	7.00000	7.00000	6.00000	6.00000	6.00000
25	7.00000	7.00000	8.00000	8.00000	8.00000
26	10.0000	10.0000	9.00000	10.0000	10.0000
27	7.00000	8.00000	7.00000	9.00000	9.00000
28	8.00000	9.00000	4.00000	6.00000	8.00000
29	7.00000	7.00000	7.00000	6.00000	10.0000
30	3.00000	7.00000	6.00000	4.00000	7.00000
31	1.00000	1.00000	7.00000	9.00000	9.00000
32	8.00000	8.00000	10.0000	6.00000	5.00000
33	7.00000	9.00000	10.0000	8.00000	7.00000



34 8.00000 8.00000 6.00000 8.00000 6.00000



COMMAND: LIST DATA

VARIABLES:

CASE	16 Q2C4	17 Q2D	18 Q2E	19 Q2F	20 Q2G
35	5.00000	8.00000	4.00000	5.00000	8.00000
36	9.00000	7.00000	7.00000	7.00000	9.00000
37	8.00000	9.00000	9.00000	9.00000	8.00000
38	8.00000	10.0000	8.00000	8.00000	7.00000
39	6.00000	8.00000	1.00000	6.00000	7.00000
40	1.00000	1.00000	5.00000	9.00000	5.00000
41	8.00000	8.00000	8.00000	8.00000	9.00000
42	8.00000	10.0000	7.00000	8.00000	10.0000
43	6.00000	MISSING	4.00000	5.00000	4.00000
44	9.00000	5.00000	2.00000	9.00000	5.00000
45	9.00000	9.00000	7.00000	8.00000	8.00000
46	8.00000	8.00000	4.00000	8.00000	8.00000
47	6.00000	10.0000	7.00000	7.00000	10.0000
48	9.00000	9.00000	7.00000	8.00000	8.00000
49	6.00000	8.00000	10.0000	7.00000	10.0000
50	8.00000	8.00000	3.00000	6.00000	8.00000
51	5.00000	8.00000	4.00000	6.00000	8.00000
52	7.00000	9.00000	7.00000	7.00000	10.0000
53	6.00000	8.00000	6.00000	8.00000	7.00000
54	5.00000	5.00000	10.0000	9.00000	8.00000
55	6.00000	5.00000	1.00000	1.00000	6.00000
56	6.00000	7.00000	1.00000	MISSING	10.0000
57	9.00000	8.00000	8.00000	7.00000	5.00000

VARIABLES:

CASE	21 Q4	22 Q5	23 Q5A	24 Q5B	25 Q5C
1	100.0000	11.0000	40.0000	55.0000	5.00000
2	55.0000	3.00000	33.0000	33.0000	34.0000
3	90.0000	20.0000	60.0000	25.0000	15.0000
4	95.0000	3.00000	34.0000	66.0000	MISSING
5	50.0000	1.00000	75.0000	20.0000	5.00000
6	100.0000	25.0000	50.0000	50.0000	MISSING
7	50.0000	3.00000	67.0000	33.0000	MISSING
8	100.0000	14.0000	43.0000	43.0000	14.0000
9	40.0000	2.00000	MISSING	MISSING	100.0000
10	100.0000	MISSING	MISSING	MISSING	MISSING
11	80.0000	1.00000	100.0000	MISSING	MISSING
12	68.0000	20.0000	75.0000	25.0000	MISSING
13	70.0000	3.00000	50.0000	50.0000	MISSING
14	82.0000	8.00000	63.0000	37.0000	MISSING
15	100.0000	2.00000	67.0000	33.0000	MISSING
16	85.0000	1.00000	66.0000	34.0000	MISSING
17	90.0000	2.00000	3.00000	47.0000	50.0000
18	40.0000	3.00000	MISSING	100.0000	MISSING
19	90.0000	8.00000	33.0000	33.0000	34.0000
20	55.0000	4.00000	25.0000	75.0000	MISSING
21	40.0000	5.00000	30.0000	60.0000	10.0000
22	50.0000	6.00000	68.0000	6.00000	26.0000
23	70.0000	4.00000	25.0000	MISSING	75.0000
24	70.0000	4.00000	25.0000	67.0000	8.00000
25	65.0000	11.0000	20.0000	80.0000	MISSING
26	85.0000	3.00000	47.0000	36.0000	17.0000
27	85.0000	8.00000	25.0000	50.0000	25.0000



28	95.0000	2.00000	90.0000	10.0000	MISSING
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COMMAND: LIST DATA

VARIABLES:

CASE	21 Q4	22 Q5	23 Q5A	24 Q5B	25 Q5C
29	10.0000	6.00000	100.000	MISSING	MISSING
30	65.0000	MISSING	70.0000	30.0000	MISSING
31	95.0000	17.0000	71.0000	6.00000	23.0000
32	80.0000	19.0000	75.0000	18.0000	7.00000
33	50.0000	MISSING	MISSING	MISSING	MISSING
34	65.0000	8.00000	50.0000	50.0000	MISSING
35	5.00000	8.00000	25.0000	75.0000	MISSING
36	70.0000	2.00000	20.0000	40.0000	40.0000
37	40.0000	3.00000	95.0000	5.00000	MISSING
38	100.000	15.0000	20.0000	80.0000	MISSING
39	100.000	5.00000	98.0000	MISSING	2.00000
40	100.000	6.00000	75.0000	25.0000	MISSING
41	60.0000	4.00000	20.0000	60.0000	20.0000
42	40.0000	1.00000	67.0000	33.0000	MISSING
43	100.000	7.00000	50.0000	50.0000	MISSING
44	40.0000	1.00000	25.0000	50.0000	25.0000
45	98.0000	MISSING	MISSING	MISSING	MISSING
46	45.0000	18.0000	10.0000	90.0000	MISSING
47	50.0000	14.0000	60.0000	40.0000	MISSING
48	91.0000	7.00000	30.0000	60.0000	10.0000
49	95.0000	10.0000	20.0000	70.0000	10.0000
50	20.0000	28.0000	10.0000	90.0000	MISSING
51	95.0000	7.00000	75.0000	20.0000	5.00000
52	90.0000	10.0000	50.0000	50.0000	MISSING
53	95.0000	1.00000	100.000	MISSING	MISSING
54	65.0000	6.00000	50.0000	17.0000	33.0000
55	40.0000	MISSING	MISSING	100.000	MISSING
56	97.0000	9.00000	33.0000	27.0000	40.0000
57	90.0000	1.00000	90.0000	10.0000	MISSING

VARIABLES:

CASE	26 Q6A	27 Q6B	28 Q7	29 Q8A	30 Q8B
1	5.00000	45.0000	150.000	5.00000	2.00000
2	1.00000	MISSING	15.0000	9.00000	8.00000
3	1.00000	30.0000	45.0000	9.00000	6.00000
4	5.00000	60.0000	150.000	9.00000	5.00000
5	15.0000	30.0000	30.0000	9.00000	5.00000
6	1.00000	60.0000	60.0000	4.00000	5.00000
7	5.00000	120.000	240.000	9.00000	6.00000
8	5.00000	30.0000	MISSING	9.00000	9.00000
9	1.00000	60.0000	MISSING	9.00000	8.00000
10	5.00000	60.0000	120.000	9.00000	7.00000
11	5.00000	120.000	60.0000	8.00000	5.00000
12	15.0000	90.0000	60.0000	8.00000	5.00000
13	MISSING	MISSING	MISSING	7.00000	3.00000
14	1.00000	30.0000	90.0000	8.00000	5.00000
15	5.00000	MISSING	120.000	8.00000	8.00000
16	5.00000	50.0000	150.000	8.00000	7.00000
17	5.00000	60.0000	20.0000	10.0000	8.00000
18	5.00000	60.0000	MISSING	10.0000	8.00000
19	5.00000	60.0000	45.0000	9.00000	2.00000
20	10.0000	40.0000	90.0000	8.00000	6.00000
21	15.0000	30.0000	60.0000	9.00000	10.0000



22 1.00000 10.0000 30.0000 7.00000 10.0000



COMMAND: LIST DATA

VARIABLES:

CASE	26 Q6A	27 Q6B	28 Q7	29 Q8A	30 Q8B
23	1.00000	60.0000	120.000	10.0000	10.0000
24	5.00000	60.0000	240.000	9.00000	8.00000
25	5.00000	5.00000	480.000	8.00000	8.00000
26	10.0000	30.0000	20.0000	10.0000	9.00000
27	5.00000	60.0000	120.000	7.00000	5.00000
28	5.00000	120.000	60.0000	5.00000	3.00000
29	5.00000	MISSING	MISSING	8.00000	8.00000
30	5.00000	60.0000	60.0000	3.00000	8.00000
31	5.00000	75.0000	68.0000	MISSING	6.00000
32	5.00000	20.0000	240.000	4.00000	6.00000
33	5.00000	90.0000	240.000	7.00000	8.00000
34	5.00000	120.000	MISSING	8.00000	8.00000
35	5.00000	5.00000	99.0000	10.0000	10.0000
36	15.0000	60.0000	240.000	8.00000	9.00000
37	60.0000	60.0000	30.0000	8.00000	6.00000
38	3.00000	60.0000	90.0000	7.00000	5.00000
39	5.00000	35.0000	30.0000	10.0000	6.00000
40	5.00000	30.0000	120.000	5.00000	4.00000
41	1.00000	20.0000	180.000	8.00000	8.00000
42	60.0000	120.000	MISSING	9.00000	8.00000
43	2.00000	60.0000	MISSING	8.00000	3.00000
44	MISSING	MISSING	MISSING	10.0000	8.00000
45	2.00000	60.0000	MISSING	9.00000	7.00000
46	5.00000	30.0000	60.0000	9.00000	7.00000
47	45.0000	150.000	60.0000	3.00000	7.00000
48	MISSING	MISSING	MISSING	10.0000	9.00000
49	1.00000	30.0000	60.0000	10.0000	9.00000
50	5.00000	60.0000	60.0000	5.00000	6.00000
51	30.0000	60.0000	120.000	8.00000	5.00000
52	1.00000	60.0000	90.0000	2.00000	4.00000
53	5.00000	99.0000	45.0000	9.00000	8.00000
54	1.00000	60.0000	84.0000	7.00000	7.00000
55	30.0000	60.0000	90.0000	9.00000	7.00000
56	6.00000	24.0000	36.0000	5.00000	4.00000
57	5.00000	60.0000	45.0000	7.00000	8.00000

VARIABLES:

CASE	31 Q8C	32 Q8D	33 Q9	34 Q10A	35 Q10B
1	8.00000	2.00000	1.00000	8.00000	7.00000
2	10.0000	10.0000	MISSING	3.00000	MISSING
3	9.00000	9.00000	5.00000	9.00000	MISSING
4	9.00000	8.00000	7.00000	8.00000	3.00000
5	9.00000	7.00000	8.00000	8.00000	MISSING
6	9.00000	6.00000	3.00000	8.00000	MISSING
7	9.00000	5.00000	3.00000	9.00000	8.00000
8	10.0000	8.00000	8.00000	10.0000	9.00000
9	10.0000	10.0000	MISSING	10.0000	MISSING
10	7.00000	8.00000	6.00000	8.00000	6.00000
11	8.00000	8.00000	9.00000	7.00000	MISSING
12	8.00000	8.00000	5.00000	8.00000	6.00000
13	8.00000	8.00000	MISSING	MISSING	MISSING
14	9.00000	8.00000	7.00000	9.00000	7.00000
15	10.0000	9.00000	9.00000	MISSING	MISSING



16	9.00000	8.00000	6.00000	9.00000	8.00000
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COMMAND: LIST DATA

VARIABLES:

CASE	31 Q8C	32 Q8D	33 Q9	34 Q10A	35 Q10B
17	10.0000	10.0000	9.00000	9.00000	6.00000
18	9.00000	9.00000	MISSING	10.0000	7.00000
19	8.00000	5.00000	5.00000	9.00000	5.00000
20	9.00000	8.00000	9.00000	9.00000	8.00000
21	10.0000	10.0000	9.00000	10.0000	10.0000
22	10.0000	9.00000	5.00000	10.0000	MISSING
23	9.00000	9.00000	9.00000	8.00000	8.00000
24	8.00000	8.00000	9.00000	9.00000	9.00000
25	9.00000	5.00000	3.00000	9.00000	8.00000
26	10.0000	10.0000	10.0000	10.0000	10.0000
27	9.00000	8.00000	5.00000	7.00000	7.00000
28	5.00000	8.00000	6.00000	10.0000	8.00000
29	8.00000	8.00000	MISSING	9.00000	8.00000
30	8.00000	6.00000	6.00000	8.00000	10.0000
31	10.0000	7.00000	6.00000	9.00000	10.0000
32	9.00000	2.00000	1.00000	9.00000	9.00000
33	10.0000	7.00000	8.00000	9.00000	MISSING
34	MISSING	MISSING	MISSING	8.00000	6.00000
35	10.0000	10.0000	MISSING	10.0000	MISSING
36	9.00000	9.00000	8.00000	9.00000	8.00000
37	9.00000	9.00000	MISSING	10.0000	MISSING
38	10.0000	9.00000	7.00000	10.0000	MISSING
39	10.0000	9.00000	8.00000	MISSING	MISSING
40	9.00000	9.00000	5.00000	6.00000	8.00000
41	10.0000	8.00000	MISSING	9.00000	MISSING
42	10.0000	10.0000	MISSING	10.0000	MISSING
43	7.00000	7.00000	5.00000	7.00000	4.00000
44	MISSING	MISSING	MISSING	9.00000	MISSING
45	9.00000	8.00000	MISSING	9.00000	MISSING
46	9.00000	8.00000	6.00000	8.00000	7.00000
47	5.00000	5.00000	2.00000	8.00000	MISSING
48	MISSING	MISSING	9.00000	9.00000	9.00000
49	10.0000	10.0000	9.00000	10.0000	8.00000
50	8.00000	8.00000	6.00000	8.00000	MISSING
51	9.00000	8.00000	7.00000	7.00000	7.00000
52	8.00000	3.00000	5.00000	10.0000	7.00000
53	9.00000	9.00000	8.00000	MISSING	MISSING
54	8.00000	8.00000	7.00000	7.00000	5.00000
55	9.00000	9.00000	MISSING	MISSING	6.00000
56	8.00000	4.00000	4.00000	8.00000	8.00000
57	10.0000	10.0000	MISSING	10.0000	6.00000

VARIABLES:

CASE	36 Q10C	37 Q10D	38 Q10E	39 Q10F	40 Q12A1
1	7.00000	3.00000	5.00000	7.00000	MISSING
2	10.0000	MISSING	10.0000	MISSING	MISSING
3	8.00000	8.00000	9.00000	9.00000	MISSING
4	8.00000	MISSING	9.00000	9.00000	MISSING
5	8.00000	8.00000	9.00000	MISSING	MISSING
6	4.00000	8.00000	7.00000	8.00000	MISSING
7	6.00000	2.00000	8.00000	9.00000	MISSING
8	10.0000	9.00000	7.00000	9.00000	MISSING
9	MISSING	9.00000	9.00000	MISSING	MISSING



10

MISSING

7.00000

6.00000

7.00000

MISSING



COMMAND: LIST DATA

VARIABLES:

CASE	36 Q10C	37 Q10D	38 Q10E	39 Q10F	40 Q12A1
11	8.00000	7.00000	8.00000	7.00000	MISSING
12	3.00000	6.00000	8.00000	8.00000	1.00000
13	8.00000	MISSING	MISSING	MISSING	MISSING
14	8.00000	9.00000	9.00000	8.00000	MISSING
15	8.00000	10.0000	10.0000	10.0000	MISSING
16	8.00000	8.00000	9.00000	MISSING	MISSING
17	9.00000	9.00000	9.00000	9.00000	1.00000
18	9.00000	7.00000	10.0000	9.00000	MISSING
19	4.00000	4.00000	8.00000	8.00000	365.000
20	7.00000	9.00000	10.0000	MISSING	MISSING
21	10.0000	9.00000	10.0000	10.0000	MISSING
22	9.00000	10.0000	8.00000	10.0000	MISSING
23	9.00000	8.00000	9.00000	MISSING	MISSING
24	9.00000	9.00000	8.00000	9.00000	MISSING
25	7.00000	7.00000	7.00000	7.00000	MISSING
26	10.0000	10.0000	10.0000	10.0000	MISSING
27	7.00000	7.00000	8.00000	7.00000	MISSING
28	3.00000	10.0000	7.00000	8.00000	MISSING
29	8.00000	8.00000	8.00000	8.00000	MISSING
30	10.0000	8.00000	7.00000	8.00000	MISSING
31	7.00000	9.00000	9.00000	9.00000	MISSING
32	7.00000	2.00000	6.00000	7.00000	MISSING
33	9.00000	7.00000	9.00000	9.00000	MISSING
34	8.00000	4.00000	6.00000	6.00000	MISSING
35	MISSING	9.00000	10.0000	MISSING	MISSING
36	9.00000	MISSING	8.00000	9.00000	MISSING
37	9.00000	9.00000	9.00000	8.00000	MISSING
38	8.00000	9.00000	10.0000	9.00000	MISSING
39	10.0000	7.00000	10.0000	8.00000	MISSING
40	MISSING	8.00000	8.00000	7.00000	MISSING
41	9.00000	10.0000	8.00000	8.00000	MISSING
42	10.0000	10.0000	10.0000	8.00000	1.00000
43	3.00000	5.00000	8.00000	MISSING	MISSING
44	MISSING	MISSING	9.00000	9.00000	1.00000
45	9.00000	8.00000	9.00000	9.00000	MISSING
46	8.00000	9.00000	8.00000	MISSING	MISSING
47	7.00000	3.00000	4.00000	5.00000	MISSING
48	9.00000	9.00000	9.00000	9.00000	MISSING
49	10.0000	10.0000	9.00000	10.0000	MISSING
50	7.00000	7.00000	9.00000	8.00000	MISSING
51	9.00000	9.00000	7.00000	9.00000	7.00000
52	3.00000	4.00000	6.00000	7.00000	MISSING
53	9.00000	MISSING	8.00000	8.00000	MISSING
54	7.00000	7.00000	6.00000	7.00000	MISSING
55	8.00000	MISSING	8.00000	MISSING	MISSING
56	7.00000	7.00000	7.00000	9.00000	MISSING
57	9.00000	8.00000	10.0000	9.00000	MISSING

VARIABLES:

CASE	41 Q12A2	42 Q12A3	43 Q12A4	44 Q12B1	45 Q12B2
1	MISSING	MISSING	MISSING	MISSING	MISSING
2	MISSING	MISSING	MISSING	MISSING	MISSING
3	MISSING	MISSING	MISSING	MISSING	MISSING



4	99.0000	99.0000	99.0000	1.00000	99.0000
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COMMAND: LIST DATA

VARIABLES:

CASE	41 Q12A2	42 Q12A3	43 Q12A4	44 Q12B1	45 Q12B2
5	MISSING	MISSING	MISSING	MISSING	MISSING
6	7.00000	MISSING	7.00000	7.00000	60.0000
7	MISSING	MISSING	MISSING	MISSING	MISSING
8	MISSING	MISSING	MISSING	MISSING	1.00000
9	MISSING	MISSING	MISSING	MISSING	7.00000
10	MISSING	MISSING	MISSING	MISSING	MISSING
11	MISSING	MISSING	MISSING	MISSING	MISSING
12	MISSING	MISSING	1.00000	1.00000	MISSING
13	MISSING	MISSING	MISSING	MISSING	MISSING
14	MISSING	MISSING	MISSING	MISSING	MISSING
15	MISSING	MISSING	MISSING	MISSING	MISSING
16	MISSING	MISSING	MISSING	MISSING	MISSING
17	1.00000	1.00000	1.00000	1.00000	1.00000
18	MISSING	MISSING	MISSING	MISSING	MISSING
19	365.000	MISSING	1.00000	365.000	365.000
20	MISSING	MISSING	MISSING	MISSING	MISSING
21	MISSING	MISSING	MISSING	MISSING	MISSING
22	MISSING	MISSING	MISSING	MISSING	MISSING
23	MISSING	MISSING	MISSING	MISSING	MISSING
24	MISSING	MISSING	1.00000	2.00000	2.00000
25	MISSING	MISSING	MISSING	MISSING	MISSING
26	MISSING	MISSING	MISSING	MISSING	MISSING
27	MISSING	MISSING	MISSING	MISSING	MISSING
28	MISSING	MISSING	MISSING	1.00000	1.00000
29	MISSING	MISSING	MISSING	MISSING	MISSING
30	MISSING	MISSING	10.0000	MISSING	MISSING
31	MISSING	MISSING	MISSING	MISSING	MISSING
32	MISSING	MISSING	MISSING	1.00000	MISSING
33	MISSING	MISSING	3.00000	MISSING	MISSING
34	MISSING	MISSING	MISSING	MISSING	MISSING
35	MISSING	MISSING	MISSING	MISSING	MISSING
36	MISSING	MISSING	MISSING	MISSING	MISSING
37	MISSING	30.0000	MISSING	MISSING	MISSING
38	MISSING	99.0000	MISSING	MISSING	MISSING
39	MISSING	MISSING	MISSING	MISSING	MISSING
40	2.00000	MISSING	MISSING	MISSING	5.00000
41	MISSING	MISSING	1.00000	MISSING	MISSING
42	1.00000	MISSING	7.00000	21.0000	21.0000
43	MISSING	MISSING	MISSING	MISSING	MISSING
44	MISSING	MISSING	1.00000	7.00000	120.000
45	MISSING	MISSING	MISSING	MISSING	MISSING
46	MISSING	MISSING	MISSING	MISSING	MISSING
47	MISSING	MISSING	MISSING	MISSING	MISSING
48	MISSING	MISSING	MISSING	MISSING	MISSING
49	MISSING	MISSING	MISSING	MISSING	MISSING
50	MISSING	MISSING	MISSING	MISSING	MISSING
51	MISSING	MISSING	MISSING	14.0000	MISSING
52	MISSING	MISSING	MISSING	MISSING	MISSING
53	MISSING	MISSING	MISSING	MISSING	MISSING
54	MISSING	MISSING	MISSING	MISSING	MISSING
55	MISSING	MISSING	MISSING	MISSING	MISSING
56	MISSING	MISSING	MISSING	MISSING	MISSING
57	MISSING	MISSING	MISSING	MISSING	MISSING



VARIABLES:

CASE	46 Q12B3	47 Q12B4	48 Q13A1	49 Q13A2	50 Q13A3
1	MISSING	MISSING	14.0000	2.00000	MISSING



COMMAND: LIST DATA

VARIABLES:

CASE	46 Q12B3	47 Q12B4	48 Q13A1	49 Q13A2	50 Q13A3
2	MISSING	MISSING	MISSING	MISSING	MISSING
3	MISSING	MISSING	MISSING	3.00000	MISSING
4	99.00000	99.00000	5.00000	99.00000	99.00000
5	MISSING	MISSING	7.00000	7.00000	MISSING
6	MISSING	30.00000	7.00000	90.00000	MISSING
7	MISSING	MISSING	2.00000	2.00000	MISSING
8	MISSING	MISSING	MISSING	1.00000	MISSING
9	MISSING	MISSING	MISSING	MISSING	MISSING
10	MISSING	MISSING	MISSING	MISSING	MISSING
11	MISSING	MISSING	1.00000	1.00000	MISSING
12	MISSING	1.00000	2.00000	MISSING	MISSING
13	MISSING	MISSING	MISSING	MISSING	MISSING
14	MISSING	MISSING	MISSING	MISSING	MISSING
15	MISSING	MISSING	MISSING	MISSING	MISSING
16	MISSING	MISSING	2.00000	1.00000	1.00000
17	1.00000	1.00000	2.00000	3.00000	3.00000
18	MISSING	MISSING	7.00000	7.00000	MISSING
19	MISSING	1.00000	365.000	365.000	MISSING
20	MISSING	MISSING	MISSING	MISSING	MISSING
21	MISSING	MISSING	MISSING	MISSING	MISSING
22	MISSING	MISSING	MISSING	MISSING	7.00000
23	MISSING	MISSING	MISSING	2.00000	MISSING
24	MISSING	1.00000	1.00000	1.00000	MISSING
25	MISSING	MISSING	MISSING	1.00000	MISSING
26	MISSING	MISSING	MISSING	3.00000	MISSING
27	MISSING	MISSING	7.00000	7.00000	MISSING
28	MISSING	MISSING	MISSING	MISSING	MISSING
29	MISSING	MISSING	MISSING	MISSING	MISSING
30	MISSING	10.0000	7.00000	7.00000	MISSING
31	MISSING	MISSING	MISSING	180.000	MISSING
32	MISSING	MISSING	MISSING	MISSING	MISSING
33	MISSING	3.00000	MISSING	MISSING	MISSING
34	MISSING	MISSING	MISSING	MISSING	MISSING
35	MISSING	MISSING	1.00000	MISSING	MISSING
36	MISSING	MISSING	14.0000	14.0000	MISSING
37	90.0000	MISSING	MISSING	60.0000	30.0000
38	99.0000	MISSING	2.00000	2.00000	99.0000
39	MISSING	MISSING	120.000	120.000	120.000
40	MISSING	MISSING	MISSING	150.000	MISSING
41	MISSING	1.00000	2.00000	2.00000	MISSING
42	MISSING	21.0000	4.00000	4.00000	MISSING
43	MISSING	MISSING	MISSING	MISSING	MISSING
44	MISSING	7.00000	MISSING	MISSING	MISSING
45	MISSING	MISSING	3.00000	3.00000	MISSING
46	MISSING	MISSING	30.0000	MISSING	MISSING
47	MISSING	MISSING	1.00000	MISSING	MISSING
48	MISSING	MISSING	MISSING	MISSING	MISSING
49	MISSING	MISSING	3.00000	MISSING	MISSING
50	MISSING	MISSING	MISSING	MISSING	MISSING
51	MISSING	MISSING	14.0000	60.0000	MISSING
52	MISSING	MISSING	3.00000	5.00000	MISSING
53	MISSING	MISSING	MISSING	MISSING	MISSING
54	MISSING	MISSING	MISSING	MISSING	MISSING





COMMAND: LIST DATA

VARIABLES:

CASE	46 Q12B3	47 Q12B4	48 Q13A1	49 Q13A2	50 Q13A3
56	MISSING	MISSING	MISSING	30.0000	MISSING
57	MISSING	MISSING	MISSING	MISSING	MISSING

VARIABLES:

CASE	51 Q13A4	52 Q13B1	53 Q13B2	54 Q13B3	55 Q13B4
1	30.0000	MISSING	MISSING	MISSING	MISSING
2	MISSING	MISSING	MISSING	MISSING	MISSING
3	MISSING	MISSING	21.0000	MISSING	MISSING
4	99.0000	25.0000	99.0000	99.0000	99.0000
5	7.00000	7.00000	7.00000	MISSING	7.00000
6	7.00000	365.000	365.000	MISSING	180.000
7	MISSING	60.0000	60.0000	MISSING	MISSING
8	MISSING	MISSING	7.00000	MISSING	MISSING
9	MISSING	MISSING	30.0000	MISSING	MISSING
10	MISSING	MISSING	MISSING	MISSING	MISSING
11	1.00000	1.00000	1.00000	MISSING	1.00000
12	2.00000	7.00000	MISSING	MISSING	7.00000
13	MISSING	MISSING	MISSING	MISSING	MISSING
14	MISSING	90.0000	MISSING	MISSING	MISSING
15	MISSING	2.00000	2.00000	MISSING	MISSING
16	MISSING	2.00000	1.00000	1.00000	MISSING
17	2.00000	7.00000	7.00000	7.00000	7.00000
18	7.00000	7.00000	7.00000	MISSING	7.00000
19	30.0000	365.000	365.000	MISSING	30.0000
20	MISSING	7.00000	7.00000	MISSING	MISSING
21	MISSING	MISSING	MISSING	MISSING	MISSING
22	MISSING	14.0000	2.00000	180.000	MISSING
23	2.00000	MISSING	2.00000	MISSING	5.00000
24	180.000	180.000	180.000	MISSING	180.000
25	MISSING	MISSING	10.0000	MISSING	MISSING
26	MISSING	MISSING	60.0000	MISSING	MISSING
27	7.00000	MISSING	MISSING	MISSING	MISSING
28	1.00000	90.0000	90.0000	MISSING	MISSING
29	MISSING	MISSING	MISSING	MISSING	MISSING
30	7.00000	180.000	180.000	MISSING	180.000
31	MISSING	MISSING	180.000	MISSING	MISSING
32	MISSING	5.00000	MISSING	MISSING	MISSING
33	MISSING	MISSING	MISSING	MISSING	MISSING
34	MISSING	MISSING	MISSING	MISSING	MISSING
35	MISSING	1.00000	MISSING	MISSING	MISSING
36	90.0000	60.0000	60.0000	MISSING	MISSING
37	MISSING	90.0000	60.0000	90.0000	1.00000
38	2.00000	10.0000	10.0000	99.0000	10.0000
39	120.000	180.000	180.000	180.000	180.000
40	MISSING	MISSING	365.000	MISSING	MISSING
41	MISSING	90.0000	90.0000	MISSING	120.000
42	14.0000	30.0000	30.0000	MISSING	60.0000
43	MISSING	MISSING	MISSING	MISSING	MISSING
44	MISSING	90.0000	120.000	MISSING	90.0000
45	3.00000	99.0000	99.0000	MISSING	MISSING
46	2.00000	150.000	MISSING	MISSING	2.00000
47	MISSING	60.0000	MISSING	MISSING	MISSING
48	MISSING	10.0000	10.0000	10.0000	10.0000



49	MISSING	21.0000	90.0000	MISSING	21.0000
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COMMAND: LIST DATA

VARIABLES:

CASE	51 Q13A1	52 Q13B1	53 Q13B2	54 Q13B3	55 Q13B4
50	MISSING	MISSING	MISSING	MISSING	MISSING
51	MISSING	180.000	90.0000	MISSING	MISSING
52	MISSING	30.0000	30.0000	MISSING	MISSING
53	MISSING	MISSING	MISSING	MISSING	MISSING
54	MISSING	MISSING	MISSING	MISSING	MISSING
55	MISSING	MISSING	365.000	MISSING	MISSING
56	MISSING	MISSING	MISSING	MISSING	MISSING
57	MISSING	MISSING	MISSING	MISSING	MISSING

VARIABLES:

CASE	56 Q14A1	57 Q14A2	58 Q14A3	59 Q14A4	60 Q14B1
1	5.00000	9.00000	MISSING	8.00000	9.00000
2	9.00000	10.0000	MISSING	MISSING	10.0000
3	7.00000	MISSING	7.00000	MISSING	8.00000
4	7.00000	5.00000	MISSING	MISSING	7.00000
5	9.00000	9.00000	MISSING	7.00000	9.00000
6	6.00000	6.00000	MISSING	7.00000	6.00000
7	9.00000	9.00000	MISSING	10.0000	9.00000
8	7.00000	5.00000	MISSING	MISSING	MISSING
9	9.00000	3.00000	MISSING	MISSING	MISSING
10	MISSING	8.00000	8.00000	MISSING	7.00000
11	7.00000	8.00000	MISSING	7.00000	8.00000
12	7.00000	5.00000	MISSING	7.00000	7.00000
13	7.00000	7.00000	MISSING	7.00000	MISSING
14	7.00000	8.00000	3.00000	8.00000	7.00000
15	7.00000	8.00000	MISSING	MISSING	8.00000
16	7.00000	8.00000	7.00000	MISSING	9.00000
17	6.00000	6.00000	7.00000	7.00000	6.00000
18	9.00000	8.00000	MISSING	8.00000	9.00000
19	7.00000	8.00000	MISSING	8.00000	1.00000
20	10.0000	9.00000	MISSING	MISSING	9.00000
21	8.00000	10.0000	10.0000	10.0000	8.00000
22	10.0000	10.0000	7.00000	MISSING	10.0000
23	9.00000	8.00000	MISSING	8.00000	9.00000
24	8.00000	8.00000	MISSING	8.00000	8.00000
25	7.00000	6.00000	MISSING	MISSING	MISSING
26	10.0000	10.0000	10.0000	MISSING	10.0000
27	7.00000	7.00000	MISSING	9.00000	8.00000
28	9.00000	9.00000	MISSING	9.00000	8.00000
29	8.00000	8.00000	MISSING	MISSING	8.00000
30	4.00000	7.00000	MISSING	8.00000	8.00000
31	MISSING	8.00000	MISSING	MISSING	MISSING
32	6.00000	7.00000	MISSING	MISSING	7.00000
33	8.00000	9.00000	9.00000	9.00000	10.0000
34	2.00000	MISSING	MISSING	MISSING	MISSING
35	9.00000	MISSING	MISSING	MISSING	9.00000
36	8.00000	8.00000	MISSING	9.00000	9.00000
37	7.00000	9.00000	3.00000	8.00000	7.00000
38	6.00000	9.00000	MISSING	5.00000	5.00000
39	7.00000	8.00000	MISSING	8.00000	9.00000
40	MISSING	5.00000	MISSING	MISSING	MISSING
41	7.00000	6.00000	MISSING	5.00000	9.00000
42	9.00000	9.00000	MISSING	9.00000	9.00000



43	7.00000	3.00000	MISSING	7.00000	8.00000
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COMMAND: LIST DATA

VARIABLES:

CASE	56 Q14A1	57 Q14A2	58 Q14A3	59 Q14A4	60 Q14B1
44	9.00000	6.00000	MISSING	7.00000	3.00000
45	7.00000	7.00000	MISSING	7.00000	7.00000
46	2.00000	MISSING	MISSING	7.00000	5.00000
47	3.00000	MISSING	MISSING	MISSING	MISSING
48	9.00000	9.00000	8.00000	8.00000	7.00000
49	7.00000	7.00000	MISSING	9.00000	8.00000
50	6.00000	7.00000	MISSING	MISSING	7.00000
51	7.00000	8.00000	7.00000	MISSING	3.00000
52	8.00000	7.00000	MISSING	4.00000	MISSING
53	8.00000	9.00000	MISSING	MISSING	MISSING
54	7.00000	7.00000	MISSING	7.00000	7.00000
55	3.00000	5.00000	2.00000	MISSING	3.00000
56	MISSING	7.00000	MISSING	MISSING	MISSING
57	7.00000	6.00000	MISSING	10.0000	10.0000

VARIABLES:

CASE	61 Q14B2	62 Q14B3	63 Q14B4	64 Q14C1	65 Q14C2
1	9.00000	MISSING	8.00000	4.00000	9.00000
2	MISSING	MISSING	MISSING	MISSING	MISSING
3	6.00000	7.00000	MISSING	8.00000	6.00000
4	7.00000	MISSING	MISSING	5.00000	4.00000
5	8.00000	MISSING	8.00000	9.00000	MISSING
6	7.00000	MISSING	8.00000	7.00000	6.00000
7	9.00000	MISSING	9.00000	9.00000	9.00000
8	8.00000	MISSING	MISSING	MISSING	5.00000
9	MISSING	MISSING	MISSING	MISSING	2.00000
10	7.00000	7.00000	MISSING	5.00000	5.00000
11	8.00000	MISSING	8.00000	8.00000	8.00000
12	5.00000	MISSING	7.00000	7.00000	5.00000
13	MISSING	MISSING	MISSING	MISSING	MISSING
14	8.00000	MISSING	MISSING	MISSING	5.00000
15	8.00000	MISSING	MISSING	9.00000	9.00000
16	9.00000	9.00000	MISSING	8.00000	8.00000
17	6.00000	7.00000	8.00000	6.00000	6.00000
18	8.00000	MISSING	8.00000	9.00000	8.00000
19	2.00000	MISSING	9.00000	1.00000	2.00000
20	9.00000	MISSING	MISSING	9.00000	9.00000
21	10.0000	10.0000	10.0000	9.00000	10.0000
22	10.0000	7.00000	MISSING	10.0000	10.0000
23	8.00000	MISSING	8.00000	8.00000	7.00000
24	8.00000	MISSING	8.00000	8.00000	8.00000
25	6.00000	MISSING	MISSING	MISSING	6.00000
26	9.00000	MISSING	MISSING	10.0000	9.00000
27	8.00000	MISSING	8.00000	8.00000	8.00000
28	MISSING	MISSING	MISSING	6.00000	5.00000
29	8.00000	MISSING	MISSING	8.00000	8.00000
30	8.00000	MISSING	8.00000	3.00000	5.00000
31	6.00000	MISSING	MISSING	MISSING	8.00000
32	8.00000	MISSING	MISSING	7.00000	8.00000
33	10.0000	10.0000	3.00000	MISSING	MISSING
34	MISSING	MISSING	MISSING	MISSING	MISSING
35	MISSING	MISSING	MISSING	9.00000	MISSING
36	9.00000	MISSING	9.00000	7.00000	7.00000



37	8.00000	3.00000	8.00000	7.00000	7.00000
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COMMAND: LIST DATA

VARIABLES:

CASE	61 Q14B2	62 Q14B3	63 Q14B4	64 Q14C1	65 Q14C2
38	7.00000	MISSING	MISSING	5.00000	7.00000
39	9.00000	9.00000	9.00000	6.00000	5.00000
40	5.00000	MISSING	MISSING	MISSING	5.00000
41	9.00000	MISSING	7.00000	8.00000	8.00000
42	9.00000	MISSING	8.00000	9.00000	9.00000
43	4.00000	MISSING	8.00000	5.00000	MISSING
44	1.00000	MISSING	7.00000	5.00000	1.00000
45	7.00000	MISSING	8.00000	7.00000	7.00000
46	MISSING	MISSING	7.00000	5.00000	MISSING
47	MISSING	MISSING	MISSING	MISSING	MISSING
48	7.00000	7.00000	7.00000	9.00000	9.00000
49	9.00000	MISSING	10.0000	7.00000	7.00000
50	7.00000	MISSING	MISSING	5.00000	7.00000
51	6.00000	7.00000	MISSING	4.00000	7.00000
52	MISSING	MISSING	MISSING	4.00000	3.00000
53	MISSING	MISSING	MISSING	MISSING	MISSING
54	7.00000	MISSING	7.00000	MISSING	MISSING
55	5.00000	2.00000	MISSING	3.00000	5.00000
56	5.00000	1.00000	MISSING	MISSING	3.00000
57	10.0000	MISSING	10.0000	9.00000	8.00000

VARIABLES:

CASE	66 Q14C3	67 Q14C4	68 Q15A1	69 Q15A2	70 Q15A3
1	MISSING	8.00000	MISSING	MISSING	MISSING
2	MISSING	MISSING	9.00000	9.00000	MISSING
3	7.00000	MISSING	5.00000	MISSING	MISSING
4	MISSING	MISSING	10.0000	9.00000	MISSING
5	MISSING	5.00000	7.00000	5.00000	MISSING
6	MISSING	9.00000	8.00000	MISSING	8.00000
7	MISSING	9.00000	9.00000	MISSING	MISSING
8	MISSING	MISSING	MISSING	MISSING	MISSING
9	MISSING	MISSING	MISSING	MISSING	MISSING
10	5.00000	MISSING	MISSING	MISSING	MISSING
11	MISSING	8.00000	7.00000	MISSING	MISSING
12	MISSING	7.00000	6.00000	6.00000	MISSING
13	MISSING	MISSING	MISSING	MISSING	MISSING
14	MISSING	MISSING	7.00000	6.00000	MISSING
15	MISSING	MISSING	7.00000	8.00000	MISSING
16	8.00000	MISSING	8.00000	10.0000	10.0000
17	7.00000	8.00000	9.00000	6.00000	6.00000
18	MISSING	8.00000	MISSING	MISSING	MISSING
19	MISSING	7.00000	6.00000	MISSING	MISSING
20	MISSING	MISSING	MISSING	MISSING	MISSING
21	10.0000	10.0000	10.0000	10.0000	8.00000
22	5.00000	MISSING	6.00000	MISSING	MISSING
23	MISSING	7.00000	MISSING	9.00000	MISSING
24	MISSING	8.00000	8.00000	8.00000	MISSING
25	MISSING	MISSING	7.00000	MISSING	MISSING
26	MISSING	MISSING	MISSING	10.0000	MISSING
27	MISSING	8.00000	8.00000	8.00000	MISSING
28	MISSING	8.00000	8.00000	7.00000	MISSING
29	MISSING	MISSING	8.00000	8.00000	MISSING
30	MISSING	3.00000	MISSING	MISSING	MISSING





COMMAND: LIST DATA

VARIABLES:

CASE	66 Q14C3	67 Q14C4	68 Q15A1	69 Q15A2	70 Q15A3
32	MISSING	MISSING	5.00000	7.00000	MISSING
33	MISSING	MISSING	9.00000	9.00000	MISSING
34	MISSING	MISSING	MISSING	MISSING	MISSING
35	MISSING	MISSING	8.00000	MISSING	MISSING
36	MISSING	6.00000	9.00000	9.00000	MISSING
37	3.00000	8.00000	6.00000	6.00000	MISSING
38	MISSING	MISSING	4.00000	MISSING	MISSING
39	MISSING	MISSING	9.00000	8.00000	MISSING
40	MISSING	MISSING	MISSING	MISSING	MISSING
41	MISSING	4.00000	8.00000	7.00000	MISSING
42	MISSING	8.00000	9.00000	9.00000	MISSING
43	MISSING	MISSING	8.00000	5.00000	MISSING
44	MISSING	7.00000	MISSING	MISSING	MISSING
45	MISSING	8.00000	8.00000	8.00000	MISSING
46	MISSING	7.00000	8.00000	MISSING	MISSING
47	MISSING	MISSING	7.00000	MISSING	MISSING
48	9.00000	9.00000	8.00000	8.00000	8.00000
49	MISSING	9.00000	MISSING	MISSING	MISSING
50	MISSING	MISSING	8.00000	MISSING	MISSING
51	7.00000	MISSING	MISSING	7.00000	MISSING
52	MISSING	5.00000	6.00000	6.00000	MISSING
53	MISSING	MISSING	MISSING	MISSING	MISSING
54	MISSING	MISSING	6.00000	6.00000	MISSING
55	2.00000	MISSING	MISSING	MISSING	MISSING
56	1.00000	MISSING	MISSING	7.00000	MISSING
57	MISSING	10.0000	4.00000	6.00000	MISSING

VARIABLES:

CASE	71 Q15A4	72 Q15B1	73 Q15B2	74 Q15B3	75 Q15B4
1	MISSING	5.00000	8.00000	MISSING	7.00000
2	MISSING	9.00000	9.00000	MISSING	MISSING
3	MISSING	8.00000	MISSING	MISSING	MISSING
4	MISSING	8.00000	7.00000	MISSING	MISSING
5	MISSING	6.00000	8.00000	MISSING	6.00000
6	7.00000	7.00000	8.00000	4.00000	5.00000
7	9.00000	9.00000	9.00000	MISSING	9.00000
8	MISSING	8.00000	8.00000	MISSING	MISSING
9	MISSING	8.00000	9.00000	MISSING	MISSING
10	MISSING	MISSING	MISSING	MISSING	MISSING
11	7.00000	MISSING	7.00000	MISSING	MISSING
12	6.00000	6.00000	5.00000	MISSING	6.00000
13	8.00000	MISSING	MISSING	MISSING	MISSING
14	MISSING	6.00000	7.00000	MISSING	MISSING
15	MISSING	8.00000	8.00000	MISSING	MISSING
16	MISSING	7.00000	10.0000	7.00000	MISSING
17	7.00000	9.00000	8.00000	8.00000	9.00000
18	MISSING	6.00000	6.00000	MISSING	6.00000
19	8.00000	7.00000	7.00000	MISSING	6.00000
20	MISSING	8.00000	10.0000	MISSING	MISSING
21	8.00000	9.00000	9.00000	9.00000	9.00000
22	MISSING	7.00000	9.00000	9.00000	MISSING
23	8.00000	8.00000	8.00000	MISSING	7.00000
24	8.00000	8.00000	8.00000	MISSING	8.00000



25	MISSING	7.00000	7.00000	MISSING	MISSING
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COMMAND: LIST DATA

VARIABLES:

CASE	71 Q15A4	72 Q15B1	73 Q15B2	74 Q15B3	75 Q15B4
26	MISSING	5.00000	10.0000	10.0000	MISSING
27	8.00000	8.00000	8.00000	MISSING	8.00000
28	MISSING	8.00000	7.00000	MISSING	8.00000
29	MISSING	8.00000	8.00000	MISSING	MISSING
30	MISSING	6.00000	8.00000	MISSING	6.00000
31	MISSING	MISSING	9.00000	MISSING	MISSING
32	MISSING	1.00000	6.00000	MISSING	MISSING
33	MISSING	MISSING	MISSING	MISSING	MISSING
34	MISSING	MISSING	MISSING	MISSING	MISSING
35	MISSING	MISSING	MISSING	MISSING	MISSING
36	8.00000	8.00000	9.00000	MISSING	7.00000
37	MISSING	6.00000	8.00000	MISSING	MISSING
38	MISSING	4.00000	MISSING	MISSING	MISSING
39	MISSING	8.00000	8.00000	MISSING	MISSING
40	MISSING	MISSING	9.00000	MISSING	MISSING
41	5.00000	8.00000	7.00000	MISSING	6.00000
42	8.00000	10.0000	10.0000	MISSING	10.0000
43	4.00000	5.00000	5.00000	MISSING	5.00000
44	MISSING	6.00000	8.00000	MISSING	6.00000
45	MISSING	MISSING	MISSING	MISSING	MISSING
46	6.00000	7.00000	MISSING	MISSING	5.00000
47	MISSING	MISSING	MISSING	MISSING	MISSING
48	8.00000	8.00000	8.00000	8.00000	8.00000
49	MISSING	9.00000	9.00000	MISSING	9.00000
50	MISSING	MISSING	MISSING	MISSING	MISSING
51	MISSING	MISSING	8.00000	8.00000	MISSING
52	5.00000	7.00000	7.00000	MISSING	7.00000
53	MISSING	7.00000	MISSING	MISSING	MISSING
54	MISSING	MISSING	MISSING	MISSING	MISSING
55	MISSING	7.00000	7.00000	7.00000	MISSING
56	MISSING	MISSING	8.00000	7.00000	MISSING
57	7.00000	MISSING	5.00000	MISSING	MISSING

VARIABLES:

CASE	76 Q15C1	77 Q15C2	78 Q15C3	79 Q15C4	80 Q15D1
1	5.00000	8.00000	MISSING	5.00000	8.00000
2	10.0000	MISSING	MISSING	MISSING	10.0000
3	7.00000	7.00000	MISSING	MISSING	9.00000
4	MISSING	MISSING	MISSING	MISSING	9.00000
5	9.00000	9.00000	MISSING	9.00000	8.00000
6	8.00000	8.00000	MISSING	8.00000	6.00000
7	MISSING	MISSING	MISSING	MISSING	7.00000
8	MISSING	9.00000	MISSING	MISSING	7.00000
9	MISSING	2.00000	2.00000	MISSING	8.00000
10	MISSING	MISSING	MISSING	MISSING	5.00000
11	7.00000	7.00000	MISSING	7.00000	8.00000
12	7.00000	5.00000	MISSING	7.00000	7.00000
13	MISSING	MISSING	MISSING	MISSING	7.00000
14	8.00000	MISSING	MISSING	MISSING	7.00000
15	9.00000	9.00000	MISSING	MISSING	10.0000
16	9.00000	9.00000	9.00000	MISSING	10.0000
17	7.00000	7.00000	7.00000	7.00000	8.00000
18	7.00000	7.00000	MISSING	7.00000	8.00000



19	MISSING	MISSING	MISSING	MISSING	3.00000
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COMMAND: LIST DATA

VARIABLES:

CASE	76 Q15C1	77 Q15C2	78 Q15C3	79 Q15C4	80 Q15D1
20	MISSING	MISSING	MISSING	MISSING	9.00000
21	9.00000	9.00000	9.00000	9.00000	10.0000
22	10.0000	MISSING	5.00000	MISSING	8.00000
23	8.00000	8.00000	MISSING	7.00000	9.00000
24	8.00000	8.00000	MISSING	8.00000	9.00000
25	6.00000	6.00000	MISSING	MISSING	7.00000
26	10.0000	10.0000	MISSING	MISSING	10.0000
27	7.00000	7.00000	MISSING	7.00000	9.00000
28	9.00000	MISSING	MISSING	9.00000	7.00000
29	MISSING	MISSING	MISSING	MISSING	8.00000
30	MISSING	MISSING	MISSING	MISSING	7.00000
31	MISSING	MISSING	MISSING	MISSING	MISSING
32	10.0000	9.00000	MISSING	MISSING	10.0000
33	9.00000	8.00000	MISSING	3.00000	10.0000
34	MISSING	MISSING	MISSING	MISSING	MISSING
35	MISSING	MISSING	MISSING	MISSING	10.0000
36	MISSING	8.00000	MISSING	6.00000	8.00000
37	9.00000	9.00000	9.00000	9.00000	7.00000
38	6.00000	8.00000	MISSING	MISSING	8.00000
39	7.00000	7.00000	MISSING	MISSING	9.00000
40	MISSING	MISSING	MISSING	MISSING	MISSING
41	8.00000	MISSING	MISSING	7.00000	8.00000
42	10.0000	9.00000	MISSING	8.00000	9.00000
43	6.00000	MISSING	MISSING	MISSING	8.00000
44	6.00000	1.00000	MISSING	8.00000	9.00000
45	7.00000	7.00000	MISSING	7.00000	7.00000
46	5.00000	MISSING	MISSING	MISSING	9.00000
47	3.00000	MISSING	MISSING	MISSING	2.00000
48	8.00000	8.00000	8.00000	8.00000	9.00000
49	MISSING	MISSING	MISSING	MISSING	6.00000
50	7.00000	MISSING	MISSING	MISSING	8.00000
51	3.00000	MISSING	MISSING	MISSING	4.00000
52	8.00000	8.00000	MISSING	8.00000	8.00000
53	MISSING	MISSING	MISSING	MISSING	8.00000
54	7.00000	7.00000	MISSING	7.00000	7.00000
55	3.00000	5.00000	2.00000	MISSING	MISSING
56	MISSING	MISSING	MISSING	MISSING	MISSING
57	7.00000	7.00000	MISSING	7.00000	9.00000

VARIABLES:

CASE	81 Q15D2	82 Q15D3	83 Q15D4	84 Q15E1	85 Q15E2
1	9.00000	MISSING	MISSING	8.00000	9.00000
2	10.0000	MISSING	MISSING	10.0000	MISSING
3	6.00000	MISSING	MISSING	MISSING	MISSING
4	10.0000	MISSING	MISSING	MISSING	MISSING
5	8.00000	MISSING	8.00000	8.00000	8.00000
6	5.00000	MISSING	7.00000	9.00000	7.00000
7	10.0000	MISSING	MISSING	10.0000	MISSING
8	8.00000	MISSING	MISSING	MISSING	9.00000
9	5.00000	MISSING	MISSING	MISSING	MISSING
10	5.00000	5.00000	MISSING	8.00000	8.00000
11	8.00000	MISSING	8.00000	7.00000	MISSING
12	4.00000	MISSING	7.00000	7.00000	5.00000



13	8.00000	MISSING	7.00000	MISSING	MISSING
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COMMAND: LIST DATA

VARIABLES:

CASE	81 Q15D2	82 Q15D3	83 Q15D4	84 Q15E1	85 Q15E2
14	8.00000	MISSING	MISSING	6.00000	7.00000
15	10.0000	MISSING	MISSING	10.0000	10.0000
16	10.0000	10.0000	MISSING	4.00000	8.00000
17	8.00000	5.00000	6.00000	8.00000	9.00000
18	8.00000	MISSING	8.00000	8.00000	8.00000
19	2.00000	MISSING	1.00000	4.00000	6.00000
20	10.0000	MISSING	MISSING	MISSING	MISSING
21	10.0000	10.0000	10.0000	10.0000	10.0000
22	10.0000	8.00000	MISSING	9.00000	10.0000
23	9.00000	MISSING	6.00000	9.00000	9.00000
24	9.00000	MISSING	9.00000	8.00000	8.00000
25	7.00000	MISSING	MISSING	7.00000	7.00000
26	10.0000	10.0000	MISSING	10.0000	10.0000
27	9.00000	MISSING	9.00000	8.00000	8.00000
28	7.00000	MISSING	MISSING	8.00000	MISSING
29	8.00000	MISSING	MISSING	8.00000	8.00000
30	5.00000	MISSING	3.00000	MISSING	MISSING
31	8.00000	MISSING	MISSING	MISSING	8.00000
32	10.0000	MISSING	MISSING	8.00000	8.00000
33	9.00000	MISSING	3.00000	MISSING	MISSING
34	MISSING	MISSING	MISSING	MISSING	MISSING
35	MISSING	MISSING	MISSING	MISSING	MISSING
36	7.00000	MISSING	7.00000	8.00000	8.00000
37	7.00000	7.00000	7.00000	7.00000	7.00000
38	7.00000	MISSING	MISSING	MISSING	MISSING
39	9.00000	MISSING	10.0000	8.00000	8.00000
40	9.00000	MISSING	MISSING	MISSING	MISSING
41	7.00000	MISSING	5.00000	8.00000	8.00000
42	9.00000	MISSING	7.00000	9.00000	9.00000
43	7.00000	MISSING	MISSING	6.00000	6.00000
44	7.00000	MISSING	MISSING	9.00000	1.00000
45	8.00000	MISSING	8.00000	8.00000	8.00000
46	MISSING	MISSING	4.00000	6.00000	MISSING
47	MISSING	MISSING	MISSING	7.00000	MISSING
48	9.00000	9.00000	9.00000	8.00000	8.00000
49	8.00000	MISSING	MISSING	9.00000	MISSING
50	MISSING	MISSING	MISSING	7.00000	MISSING
51	4.00000	4.00000	MISSING	8.00000	8.00000
52	8.00000	MISSING	8.00000	2.00000	2.00000
53	8.00000	MISSING	MISSING	8.00000	MISSING
54	7.00000	MISSING	7.00000	MISSING	MISSING
55	MISSING	MISSING	MISSING	MISSING	MISSING
56	7.00000	1.00000	MISSING	4.00000	MISSING
57	9.00000	MISSING	MISSING	10.0000	8.00000

VARIABLES:

CASE	86 Q15E3	87 Q15E4	88 Q16	89 Q17	90 Q18A
1	MISSING	8.00000	MISSING	3.00000	MISSING
2	MISSING	MISSING	9.00000	2.00000	2.00000
3	MISSING	MISSING	8.00000	2.00000	2.00000
4	MISSING	MISSING	8.00000	2.00000	2.00000
5	MISSING	8.00000	8.00000	1.00000	2.00000
6	MISSING	8.00000	7.00000	2.00000	2.00000



7	MISSING	10.0000	9.00000	2.00000	1.00000
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COMMAND: LIST DATA

VARIABLES:

CASE	86 Q15E3	87 Q15E4	88 Q16	89 Q17	90 Q18A
8	MISSING	MISSING	9.00000	1.00000	2.00000
9	MISSING	MISSING	6.00000	3.00000	2.00000
10	8.00000	MISSING	9.00000	1.00000	1.00000
11	MISSING	MISSING	8.00000	2.00000	2.00000
12	MISSING	7.00000	9.00000	3.00000	1.00000
13	MISSING	MISSING	7.00000	2.00000	2.00000
14	MISSING	MISSING	9.00000	1.00000	1.00000
15	MISSING	MISSING	6.00000	MISSING	2.00000
16	8.00000	MISSING	9.00000	MISSING	1.00000
17	8.00000	9.00000	9.00000	2.00000	1.00000
18	MISSING	8.00000	9.00000	1.00000	2.00000
19	MISSING	9.00000	9.00000	2.00000	1.00000
20	MISSING	MISSING	8.00000	2.00000	2.00000
21	10.0000	10.0000	9.00000	MISSING	1.00000
22	8.00000	MISSING	9.00000	1.00000	2.00000
23	MISSING	7.00000	9.00000	2.00000	2.00000
24	MISSING	8.00000	10.0000	2.00000	2.00000
25	MISSING	MISSING	9.00000	2.00000	2.00000
26	10.0000	MISSING	10.0000	1.00000	2.00000
27	MISSING	8.00000	9.00000	1.00000	1.00000
28	MISSING	8.00000	9.00000	2.00000	2.00000
29	MISSING	MISSING	9.00000	MISSING	1.00000
30	MISSING	MISSING	5.00000	2.00000	2.00000
31	MISSING	MISSING	7.00000	3.00000	MISSING
32	MISSING	MISSING	3.00000	3.00000	1.00000
33	MISSING	MISSING	8.00000	1.00000	2.00000
34	MISSING	MISSING	8.00000	MISSING	1.00000
35	MISSING	MISSING	8.00000	MISSING	2.00000
36	MISSING	7.00000	9.00000	1.00000	1.00000
37	7.00000	7.00000	9.00000	2.00000	2.00000
38	MISSING	MISSING	10.0000	2.00000	2.00000
39	MISSING	9.00000	10.0000	1.00000	2.00000
40	MISSING	MISSING	8.00000	2.00000	2.00000
41	MISSING	7.00000	9.00000	2.00000	2.00000
42	MISSING	8.00000	9.00000	1.00000	2.00000
43	MISSING	6.00000	8.00000	2.00000	2.00000
44	MISSING	10.0000	10.0000	1.00000	2.00000
45	MISSING	8.00000	7.00000	2.00000	2.00000
46	MISSING	8.00000	7.00000	3.00000	2.00000
47	MISSING	MISSING	5.00000	3.00000	1.00000
48	8.00000	8.00000	10.0000	2.00000	1.00000
49	MISSING	8.00000	8.00000	2.00000	MISSING
50	MISSING	MISSING	6.00000	MISSING	1.00000
51	7.00000	MISSING	8.00000	1.00000	2.00000
52	MISSING	MISSING	4.00000	1.00000	1.00000
53	MISSING	MISSING	9.00000	1.00000	2.00000
54	MISSING	MISSING	7.00000	2.00000	2.00000
55	MISSING	MISSING	3.00000	3.00000	2.00000
56	MISSING	MISSING	7.00000	1.00000	2.00000
57	MISSING	10.0000	9.00000	2.00000	2.00000

VARIABLES:

CASE	91 Q18B	92 Q20A	93 Q20B	94 Q20C	95 Q20D1
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1	MISSING	4.00000	MISSING	5.00000	0.0300000
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COMMAND: LIST DATA

VARIABLES:

CASE	91 Q18B	92 Q20A	93 Q20B	94 Q20C	95 Q20D1
2	MISSING	9.00000	MISSING	9.00000	0.0300000
3	MISSING	9.00000	9.00000	10.0000	0.0300000
4	MISSING	8.00000	6.00000	7.00000	99.0000
5	MISSING	8.00000	8.00000	9.00000	0.0700000
6	MISSING	5.00000	9.00000	6.00000	0.0300000
7	2.00000	10.0000	5.00000	8.00000	0.0300000
8	MISSING	8.00000	9.00000	8.00000	0.0300000
9	MISSING	4.00000	8.00000	8.00000	0.0300000
10	1.00000	9.00000	9.00000	10.0000	0.0300000
11	MISSING	9.00000	9.00000	8.00000	99.0000
12	1.00000	4.00000	2.00000	1.00000	MISSING
13	MISSING	8.00000	9.00000	9.00000	2.00000
14	1.00000	8.00000	4.00000	7.00000	0.2500000
15	MISSING	9.00000	9.00000	9.00000	MISSING
16	1.00000	9.00000	9.00000	10.0000	0.0300000
17	MISSING	9.00000	7.00000	8.00000	MISSING
18	MISSING	9.00000	5.00000	7.00000	0.2500000
19	2.00000	4.00000	6.00000	7.00000	0.100000
20	MISSING	8.00000	8.00000	8.00000	0.0300000
21	1.00000	8.00000	9.00000	10.0000	0.0300000
22	MISSING	9.00000	10.0000	10.0000	0.0300000
23	MISSING	9.00000	MISSING	8.00000	0.0300000
24	MISSING	10.0000	9.00000	10.0000	0.500000
25	MISSING	5.00000	8.00000	7.00000	MISSING
26	MISSING	10.0000	10.0000	10.0000	0.0300000
27	1.00000	9.00000	MISSING	7.00000	0.0300000
28	MISSING	8.00000	9.00000	9.00000	MISSING
29	MISSING	7.00000	MISSING	9.00000	MISSING
30	MISSING	6.00000	8.00000	6.00000	0.0300000
31	MISSING	9.00000	9.00000	10.0000	0.0300000
32	1.00000	8.00000	7.00000	9.00000	MISSING
33	MISSING	8.00000	5.00000	10.0000	0.500000
34	1.00000	7.00000	MISSING	8.00000	MISSING
35	MISSING	9.00000	8.00000	9.00000	MISSING
36	1.00000	8.00000	9.00000	8.00000	0.250000
37	MISSING	9.00000	MISSING	9.00000	0.0300000
38	MISSING	9.00000	8.00000	8.00000	0.0500000
39	MISSING	10.0000	9.00000	10.0000	0.0600000
40	MISSING	9.00000	8.00000	10.0000	6.00000
41	MISSING	8.00000	8.00000	9.00000	0.250000
42	MISSING	9.00000	9.00000	10.0000	0.0300000
43	MISSING	7.00000	6.00000	7.00000	0.0300000
44	MISSING	9.00000	9.00000	10.0000	0.0300000
45	MISSING	7.00000	8.00000	7.00000	0.0300000
46	MISSING	8.00000	MISSING	6.00000	0.0300000
47	2.00000	7.00000	5.00000	8.00000	1.00000
48	1.00000	8.00000	9.00000	10.0000	1.00000
49	MISSING	8.00000	7.00000	8.00000	0.0300000
50	2.00000	8.00000	8.00000	8.00000	MISSING
51	MISSING	9.00000	9.00000	9.00000	0.0300000
52	2.00000	3.00000	8.00000	9.00000	0.0500000
53	MISSING	8.00000	8.00000	8.00000	0.250000
54	MISSING	6.00000	6.00000	6.00000	0.0300000



55	MISSING	4.00000	MISSING	7.00000	0.0600000
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COMMAND: LIST DATA

VARIABLES:

CASE	91 Q18B	92 Q20A	93 Q20B	94 Q20C	95 Q20D1
56	MISSING	7.00000	9.00000	7.00000	0.0300000
57	MISSING	9.00000	9.00000	9.00000	0.0300000

VARIABLES:

CASE	96 Q20D2	97 Q20D3	98 Q20E	99 Q20F	100 Q21A
1	1.00000	12.0000	1.00000	2.00000	2.00000
2	1.00000	12.0000	1.00000	1.00000	1.00000
3	0.250000	3.00000	1.00000	1.00000	1.00000
4	1.00000	3.00000	1.00000	1.00000	1.00000
5	0.100000	6.00000	1.00000	1.00000	2.00000
6	6.00000	6.00000	2.00000	1.00000	2.00000
7	0.500000	3.00000	1.00000	1.00000	2.00000
8	1.00000	6.00000	2.00000	1.00000	1.00000
9	1.00000	12.0000	1.00000	2.00000	2.00000
10	0.120000	12.0000	1.00000	1.00000	2.00000
11	2.00000	99.0000	1.00000	1.00000	1.00000
12	0.500000	6.00000	2.00000	1.00000	1.00000
13	1.00000	12.0000	1.00000	1.00000	1.00000
14	0.500000	6.00000	1.00000	1.00000	1.00000
15	0.250000	6.00000	1.00000	1.00000	1.00000
16	0.250000	20.0000	1.00000	MISSING	2.00000
17	0.500000	6.00000	1.00000	1.00000	1.00000
18	0.400000	3.00000	1.00000	1.00000	1.00000
19	0.270000	0.0300000	1.00000	1.00000	2.00000
20	1.00000	MISSING	1.00000	1.00000	1.00000
21	0.250000	3.00000	1.00000	1.00000	2.00000
22	0.100000	6.00000	1.00000	1.00000	1.00000
23	1.00000	MISSING	1.00000	MISSING	2.00000
24	0.250000	3.00000	1.00000	1.00000	1.00000
25	0.130000	12.0000	1.00000	1.00000	1.00000
26	0.0800000	3.00000	1.00000	1.00000	1.00000
27	2.00000	6.00000	1.00000	1.00000	1.00000
28	1.00000	1.00000	1.00000	1.00000	1.00000
29	1.00000	MISSING	1.00000	1.00000	2.00000
30	1.00000	12.0000	2.00000	1.00000	2.00000
31	3.00000	6.00000	1.00000	1.00000	1.00000
32	0.500000	1.00000	1.00000	MISSING	1.00000
33	0.250000	6.00000	1.00000	2.00000	1.00000
34	0.250000	3.00000	1.00000	1.00000	2.00000
35	1.00000	2.00000	1.00000	1.00000	1.00000
36	2.00000	3.00000	1.00000	1.00000	2.00000
37	0.500000	12.0000	1.00000	2.00000	2.00000
38	0.500000	3.00000	1.00000	1.00000	1.00000
39	0.250000	3.00000	1.00000	1.00000	2.00000
40	1.00000	1.00000	1.00000	1.00000	1.00000
41	0.750000	3.00000	1.00000	1.00000	1.00000
42	0.250000	3.00000	1.00000	1.00000	1.00000
43	0.250000	12.0000	2.00000	MISSING	2.00000
44	0.130000	3.00000	1.00000	1.00000	1.00000
45	1.00000	2.00000	1.00000	1.00000	2.00000
46	1.00000	MISSING	2.00000	2.00000	2.00000
47	0.250000	12.0000	2.00000	2.00000	1.00000
48	0.500000	2.00000	1.00000	1.00000	2.00000



49	0.500000	MISSING	1.000000	1.000000	1.000000
----	----------	---------	----------	----------	----------



COMMAND: LIST DATA

VARIABLES:

CASE	96 Q20D2	97 Q20D3	98 Q20E	99 Q20F	100 Q21A
50	1.00000	MISSING	1.00000	1.00000	1.00000
51	0.250000	3.00000	1.00000	1.00000	1.00000
52	0.150000	2.00000	1.00000	2.00000	2.00000
53	1.00000	6.00000	1.00000	1.00000	1.00000
54	0.500000	12.0000	1.00000	1.00000	1.00000
55	2.00000	9.00000	1.00000	2.00000	1.00000
56	0.250000	3.00000	1.00000	2.00000	2.00000
57	1.00000	9.00000	1.00000	1.00000	1.00000

VARIABLES:

CASE	101 Q22A	102 Q22B	103 Q24A	104 Q24B	105 Q26A
1	2.00000	MISSING	MISSING	MISSING	MISSING
2	2.00000	2.00000	2.00000	9.00000	MISSING
3	2.00000	1.00000	1.00000	7.00000	MISSING
4	1.00000	2.00000	MISSING	8.00000	1.00000
5	1.00000	1.00000	MISSING	MISSING	1.00000
6	1.00000	1.00000	1.00000	7.00000	1.00000
7	2.00000	1.00000	1.00000	8.00000	1.00000
8	2.00000	MISSING	1.00000	8.00000	1.00000
9	1.00000	1.00000	MISSING	MISSING	1.00000
10	2.00000	1.00000	1.00000	8.00000	1.00000
11	MISSING	2.00000	1.00000	6.00000	1.00000
12	2.00000	1.00000	1.00000	8.00000	1.00000
13	MISSING	1.00000	1.00000	8.00000	1.00000
14	2.00000	2.00000	1.00000	8.00000	1.00000
15	MISSING	1.00000	1.00000	6.00000	1.00000
16	MISSING	2.00000	2.00000	9.00000	1.00000
17	1.00000	1.00000	1.00000	8.00000	1.00000
18	2.00000	2.00000	2.00000	9.00000	1.00000
19	1.00000	2.00000	1.00000	3.00000	1.00000
20	1.00000	1.00000	1.00000	7.00000	1.00000
21	1.00000	1.00000	1.00000	9.00000	1.00000
22	2.00000	1.00000	2.00000	7.00000	1.00000
23	MISSING	1.00000	1.00000	8.00000	1.00000
24	1.00000	1.00000	1.00000	8.00000	1.00000
25	2.00000	2.00000	2.00000	8.00000	1.00000
26	1.00000	1.00000	1.00000	9.00000	1.00000
27	1.00000	1.00000	1.00000	8.00000	1.00000
28	1.00000	1.00000	1.00000	9.00000	1.00000
29	1.00000	2.00000	1.00000	7.00000	1.00000
30	1.00000	1.00000	1.00000	7.00000	1.00000
31	2.00000	2.00000	1.00000	6.00000	1.00000
32	MISSING	2.00000	1.00000	3.00000	1.00000
33	MISSING	2.00000	1.00000	8.00000	1.00000
34	2.00000	1.00000	1.00000	7.00000	1.00000
35	MISSING	MISSING	2.00000	MISSING	1.00000
36	1.00000	2.00000	1.00000	7.00000	1.00000
37	1.00000	1.00000	1.00000	8.00000	1.00000
38	1.00000	1.00000	2.00000	8.00000	1.00000
39	MISSING	2.00000	2.00000	8.00000	1.00000
40	2.00000	2.00000	1.00000	8.00000	1.00000
41	1.00000	1.00000	1.00000	8.00000	1.00000
42	MISSING	MISSING	2.00000	MISSING	1.00000



43 2.00000 1.00000 2.00000 8.00000 1.00000



COMMAND: LIST DATA

VARIABLES:

CASE	101 Q22A	102 Q22B	103 Q24A	104 Q24B	105 Q26A
44	2.00000	1.00000	2.00000	9.00000	1.00000
45	1.00000	2.00000	2.00000	7.00000	1.00000
46	1.00000	1.00000	1.00000	7.00000	2.00000
47	MISSING	2.00000	1.00000	10.0000	3.00000
48	1.00000	1.00000	1.00000	8.00000	3.00000
49	1.00000	1.00000	1.00000	8.00000	3.00000
50	1.00000	1.00000	1.00000	5.00000	3.00000
51	2.00000	1.00000	2.00000	7.00000	3.00000
52	1.00000	1.00000	1.00000	4.00000	3.00000
53	2.00000	1.00000	1.00000	8.00000	3.00000
54	MISSING	2.00000	1.00000	7.00000	3.00000
55	2.00000	2.00000	2.00000	5.00000	3.00000
56	1.00000	1.00000	1.00000	7.00000	4.00000
57	2.00000	1.00000	1.00000	7.00000	4.00000





HISTOGRAMS

ABSTAT 4.07

FILE: ZCR3

CRAY USER SATISFACTION SURVEY - ALL RESPONDENTS
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COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 11 Q2A

AT LEAST	1.00000			5	10	15	20	25	30	35	40
BUT NOT OVER:	FREQ	%		+	+	+	+	+	+	+	+
1.00000	0	00.0	I								
2.00000	0	00.0	I								
3.00000	0	00.0	I								
4.00000	0	00.0	I								
5.00000	0	00.0	I								
6.00000	0	00.0	I								
7.00000	5	8.8	IXXXXXXXXXXX								
8.00000	15	26.3	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX								
9.00000	16	28.1	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX								
10.0000	21	36.8	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX								
				+	+	+	+	+	+	+	+
TOTAL	57	100.0		5	10	15	20	25	30	35	40



COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 12 Q2B

AT LEAST	1.00000			5	10	15	20	25	30
BUT NOT OVER:	FREQ	%		+	+	+	+	+	+
1.00000	0	00.0	I						
2.00000	0	00.0	I						
3.00000	0	00.0	I						
4.00000	3	5.3	IXXXXXXXXXX						
5.00000	3	5.3	IXXXXXXXXXX						
6.00000	2	3.5	IXXXXXX						
7.00000	8	14.0	IXXXXXXXXXXXXXXXXXXXXXXXXXXX						
8.00000	9	15.8	IXXXXXXXXXXXXXXXXXXXXXXXXXXX						
9.00000	17	29.8	IXXX						
10.0000	15	26.3	IXXX						
				+	+	+	+	+	+
TOTAL	57	100.0		5	10	15	20	25	30



COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 13 Q2C1

AT LEAST BUT NOT OVER:	1.00000 FREQ	%		5	10	15	20	25	30
			+-----+-----+-----+-----+-----+						
1.00000	2	3.5	IXXXXXX						
2.00000	0	00.0	I						
3.00000	0	00.0	I						
4.00000	0	00.0	I						
5.00000	4	7.0	IXXXXXXXXXXX						
6.00000	6	10.5	IXXXXXXXXXXXXXXXXXXX						
7.00000	8	14.0	IXXXXXXXXXXXXXXXXXXXXXXX						
8.00000	17	29.8	IXXX						
9.00000	12	21.1	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
10.0000	8	14.0	IXXXXXXXXXXXXXXXXXXXXXXX						
			+-----+-----+-----+-----+-----+						
TOTAL	57	100.0		5	10	15	20	25	30



COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 14 Q2C2

AT LEAST	1.00000			5	10	15	20	25	30
BUT NOT OVER:	FREQ	%		+-----+	+-----+	+-----+	+-----+	+-----+	+-----+
1.00000	2	3.5	IXXXXXX						
2.00000	0	00.0	I						
3.00000	0	00.0	I						
4.00000	0	00.0	I						
5.00000	3	5.3	IXXXXXXXXX						
6.00000	6	10.5	IXXXXXXXXXXXXXXXXXXX						
7.00000	7	12.3	IXXXXXXXXXXXXXXXXXXX						
8.00000	17	29.8	IXXX						
9.00000	12	21.1	IXXX						
10.0000	10	17.5	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
				+-----+	+-----+	+-----+	+-----+	+-----+	+-----+
TOTAL	57	100.0		5	10	15	20	25	30



COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 15 Q2C3

AT LEAST	1.00000		5	10	15	20	25	30
BUT NOT OVER:	FREQ	%	+-----+-----+-----+-----+-----+					
1.00000	2	3.5	IXXXXXX					
2.00000	4	7.0	IXXXXXXXXXXXXX					
3.00000	3	5.3	IXXXXXXXXXXX					
4.00000	3	5.3	IXXXXXXXXXXX					
5.00000	8	14.0	IXXXXXXXXXXXXXXXXXXXXX					
6.00000	9	15.8	IXXXXXXXXXXXXXXXXXXXXX					
7.00000	15	26.3	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
8.00000	10	17.5	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
9.00000	2	3.5	IXXXXXX					
10.0000	1	1.8	IXXX					
			+-----+-----+-----+-----+-----+					
TOTAL	57	100.0	5	10	15	20	25	30



COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 16 Q2C4

AT LEAST	1.00000		5	10	15	20	25	30
BUT NOT OVER:	FREQ	%	+-----+	+-----+	+-----+	+-----+	+-----+	+-----+
1.00000	2	3.6	IXXXXXX					
2.00000	1	1.8	IXXX					
3.00000	2	3.6	IXXXXXX					
4.00000	1	1.8	IXXX					
5.00000	5	8.9	IXXXXXXXXXXXXX					
6.00000	7	12.5	IXXXXXXXXXXXXXXXXXXXXX					
7.00000	12	21.4	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
8.00000	14	25.0	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
9.00000	9	16.1	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
10.0000	3	5.4	IXXXXXXX					
			+-----+	+-----+	+-----+	+-----+	+-----+	+-----+
TOTAL	56	100.0	5	10	15	20	25	30



COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 17 Q2D

AT LEAST	1.00000		5	10	15	20	25	30	35	40
BUT NOT OVER:	FREQ	%	+-----+-----+-----+-----+-----+							
1.00000	2	3.6	IXXXX							
2.00000	0	00.0	I							
3.00000	0	00.0	I							
4.00000	0	00.0	I							
5.00000	4	7.1	IXXXXXXXX							
6.00000	3	5.4	IXXXXXX							
7.00000	13	23.2	IXXXXXXXXXXXXXXXXXXXXXXXXXXXX							
8.00000	17	30.4	IXXXXXXXXXXXXXXXXXXXXXXXXXXXX							
9.00000	10	17.9	IXXXXXXXXXXXXXXXXXXXX							
10.0000	7	12.5	IXXXXXXXXXXXX							
			+-----+-----+-----+-----+-----+							
TOTAL	56	100.0	5	10	15	20	25	30	35	40



COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 18 Q2E

AT LEAST	1.00000			5	10	15	20
BUT NOT OVER:	FREQ	%					
1.00000	4	7.0	XXXXXXXXXXXXXXXXXXXX				
2.00000	2	3.5	XXXXXXXXXX				
3.00000	6	10.5	XXXXXXXXXXXXXXXXXXXXXXXXXXXX				
4.00000	6	10.5	XXXXXXXXXXXXXXXXXXXXXXXXXXXX				
5.00000	3	5.3	XXXXXXXXXXXX				
6.00000	5	8.8	XXXXXXXXXXXXXXXXXXXX				
7.00000	10	17.5	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				
8.00000	10	17.5	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				
9.00000	3	5.3	XXXXXXXXXXXX				
10.0000	8	14.0	XXXXXXXXXXXXXXXXXXXXXXXXXXXX				
TOTAL	57	100.0					



COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 19 Q2F

AT LEAST	1.00000			5	10	15	20	25	30
BUT NOT OVER:	FREQ	%		+	+	+	+	+	+
1.00000	1	1.8	IXXX						
2.00000	1	1.8	IXXX						
3.00000	0	00.0	I						
4.00000	1	1.8	IXXX						
5.00000	6	10.7	XXXXXXXXXXXXXXXXXXXX						
6.00000	10	17.9	XXXXXXXXXXXXXXXXXXXXXXXXXXXX						
7.00000	8	14.3	XXXXXXXXXXXXXXXXXXXXXXXXXXXX						
8.00000	16	28.6	XX						
9.00000	9	16.1	XXXXXXXXXXXXXXXXXXXXXXXXXXXX						
10.0000	4	7.1	XXXXXXXXXXXX						
				+	+	+	+	+	+
TOTAL	56	100.0		5	10	15	20	25	30



COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 20 Q2G

AT LEAST	1.00000			5	10	15	20	25	30
BUT NOT OVER:	FREQ	%							
1.00000	0	00.0	I						
2.00000	1	1.8	IXXX						
3.00000	0	00.0	I						
4.00000	1	1.8	IXXX						
5.00000	7	12.3	XXXXXXXXXXXXXXXXXXXXX						
6.00000	4	7.0	XXXXXXXXXXXXX						
7.00000	8	14.0	XXXXXXXXXXXXXXXXXXXXX						
8.00000	13	22.8	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
9.00000	10	17.5	XXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
10.0000	13	22.8	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
TOTAL	57	100.0		5	10	15	20	25	30



COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 21 Q4

AT LEAST	5.00000		5	10	15	20	25	30	35	40	
BUT NOT OVER:	FREQ	%	+	---	+	---	+	---	+	---	+
10.0000	2	3.5	IXXXX								
20.0000	1	1.8	IXX								
30.0000	0	00.0	I								
40.0000	7	12.3	XXXXXXXXXXXXXXXXXX								
50.0000	6	10.5	XXXXXXXXXXXXXXXXXX								
60.0000	3	5.3	XXXXXXX								
70.0000	9	15.8	XXXXXXXXXXXXXXXXXXXX								
80.0000	2	3.5	XXXXX								
90.0000	9	15.8	XXXXXXXXXXXXXXXXXXXX								
100.000	18	31.6	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX								
			+	---	+	---	+	---	+	---	+
TOTAL	57	100.0	5	10	15	20	25	30	35	40	



COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 22 Q5 AUTO

AT LEAST	1.00000		5	10	15	20
BUT NOT OVER:	FREQ	%	+-----+-----+-----+-----+			
1.00000	7	13.5	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
2.00000	5	9.6	XXXXXXXXXXXXXXXXXXXXXXXXXXXX			
3.00000	7	13.5	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
4.00000	4	7.7	XXXXXXXXXXXXXXXXXXXX			
5.00000	2	3.8	XXXXXXXXXX			
6.00000	4	7.7	XXXXXXXXXXXXXXXXXXXX			
7.00000	3	5.8	XXXXXXXXXXXX			
8.00000	5	9.6	XXXXXXXXXXXXXXXXXXXX			
9.00000	1	1.9	XXXXXX			
10.0000	2	3.8	XXXXXXXXXX			
11.0000	2	3.8	XXXXXXXXXX			
14.0000	2	3.8	XXXXXXXXXX			
15.0000	1	1.9	XXXXXX			
17.0000	1	1.9	XXXXXX			
18.0000	1	1.9	XXXXXX			
19.0000	1	1.9	XXXXXX			
20.0000	2	3.8	XXXXXXXXXXXX			
25.0000	1	1.9	XXXXXX			
28.0000	1	1.9	XXXXXX			
			+-----+-----+-----+-----+			
TOTAL	52	100.0	5	10	15	20



COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 29 Q8A

AT LEAST	1.00000			5	10	15	20	25	30
BUT NOT OVER:	FREQ	%							
1.00000	0	00.0	I						
2.00000	1	1.8	IXXX						
3.00000	2	3.6	IXXXXXX						
4.00000	2	3.6	IXXXXXX						
5.00000	5	8.9	IXXXXXXXXXXXXXX						
6.00000	0	00.0	I						
7.00000	7	12.5	IXXXXXXXXXXXXXXXXXXXXXX						
8.00000	14	25.0	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
9.00000	16	28.6	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
10.0000	9	16.1	IXXXXXXXXXXXXXXXXXXXXXX						
TOTAL	56	100.0							



COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 30 Q8B

AT LEAST	1.00000			5	10	15	20	25	30
BUT NOT OVER:	FREQ	%		+	+	+	+	+	+
1.00000	0	00.0	I						
2.00000	2	3.5	IXXXXXX						
3.00000	3	5.3	IXXXXXXXXX						
4.00000	3	5.3	IXXXXXXXXX						
5.00000	9	15.8	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
6.00000	8	14.0	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
7.00000	7	12.3	IXXXXXXXXXXXXXXXXXXXXXXXX						
8.00000	16	28.1	IXXX						
9.00000	5	8.8	IXXXXXXXXXXXXXXXX						
10.0000	4	7.0	IXXXXXXXXXXXXX						
				+	+	+	+	+	+
TOTAL	57	100.0		5	10	15	20	25	30

ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - ALL RESPONDENTS
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COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 31 Q8C

AT LEAST	1.00000			5	10	15	20	25	30	35	40
BUT NOT OVER:	FREQ	%									
1.00000	0	00.0	I								
2.00000	0	00.0	I								
3.00000	0	00.0	I								
4.00000	0	00.0	I								
5.00000	2	3.7	IXXXXX								
6.00000	0	00.0	I								
7.00000	2	3.7	IXXXXX								
8.00000	12	22.2	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXX								
9.00000	21	38.9	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXX								
10.0000	17	31.5	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXX								
TOTAL	54	100.0		5	10	15	20	25	30	35	40

COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 33 Q9

AT LEAST BUT NOT OVER:	1.00000 FREQ	%		5	10	15	20	25	30		
			+	-----	+	-----	+	-----	+	-----	+
1.00000	2	4.7	I	XXXXXXX							
2.00000	1	2.3	I	XXXX							
3.00000	3	7.0	I	XXXXXXXXXXXX							
4.00000	1	2.3	I	XXXX							
5.00000	8	18.6	I	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX							
6.00000	7	16.3	I	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX							
7.00000	5	11.6	I	XXXXXXXXXXXXXXXXXXXX							
8.00000	6	14.0	I	XXXXXXXXXXXXXXXXXXXX							
9.00000	9	20.9	I	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX							
10.0000	1	2.3	I	XXXX							
			+	-----	+	-----	+	-----	+	-----	+
TOTAL	43	100.0		5	10	15	20	25	30		

COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 36 Q10C

AT LEAST	1.00000		5	10	15	20	25	30	
BUT NOT OVER:	FREQ	%	+-----+	+-----+	+-----+	+-----+	+-----+	+-----+	
1.00000	0	00.0	I						
2.00000	0	00.0	I						
3.00000	4	7.7	IXXXXXXXXXXXXX						
4.00000	2	3.8	IXXXXXX						
5.00000	0	00.0	I						
6.00000	1	1.9	IXXX						
7.00000	10	19.2	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
8.00000	13	25.0	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
9.00000	14	26.9	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
10.0000	8	15.4	IXXXXXXXXXXXXXXXXXXXXX						
			+-----+	+-----+	+-----+	+-----+	+-----+	+-----+	
TOTAL	52	100.0		5	10	15	20	25	30

COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 38 Q10E

AT LEAST	1.00000			5	10	15	20	25	30
BUT NOT OVER:	FREQ	%		+	+	+	+	+	+
1.00000	0	00.0	I						
2.00000	0	00.0	I						
3.00000	0	00.0	I						
4.00000	1	1.8	IXXX						
5.00000	1	1.8	IXXX						
6.00000	5	8.9	IXXXXXXXXXXXXXXX						
7.00000	7	12.5	IXXXXXXXXXXXXXXX						
8.00000	15	26.8	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
9.00000	16	28.6	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
10.0000	11	19.6	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
				+	+	+	+	+	+
TOTAL	56	100.0		5	10	15	20	25	30

COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 39 Q10F

AT LEAST	1.00000			5	10	15	20	25	30	35	40
BUT NOT OVER:	FREQ	%		+	+	+	+	+	+	+	+
1.00000	0	00.0	I								
2.00000	0	00.0	I								
3.00000	0	00.0	I								
4.00000	0	00.0	I								
5.00000	1	2.2	IXXX								
6.00000	1	2.2	IXXX								
7.00000	9	19.6	XXXXXXXXXXXXXXXXXXXXXXXXXXXX								
8.00000	13	28.3	XXXXXXXXXXXXXXXXXXXXXXXXXXXX								
9.00000	17	37.0	XXXXXXXXXXXXXXXXXXXXXXXXXXXX								
10.0000	5	10.9	XXXXXXXXXXXX								
				+	+	+	+	+	+	+	+
TOTAL	46	100.0		5	10	15	20	25	30	35	40

HISTOGRAMS

ABSTAT 4.07

FILE: ZCR3

CRAY USER SATISFACTION SURVEY - COS USERS ONLY

REV#206

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PAGE 1

COMMAND: HIST

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 48 Q13A1

AT LEAST	1.00000			5	10	15	20	25	30
BUT NOT OVER:	FREQ	%		+-----+-----+-----+-----+-----+					
1.00000	3	13.6		XXXXXXXXXXXXXXXXXXXXXXXXXXXX					
2.00000	5	22.7		XX					
3.00000	2	9.1		XXXXXXXXXXXXXXXXXXXX					
4.00000	1	4.5		XXXXXXXXXX					
5.00000	1	4.5		XXXXXXX					
6.00000	0	00.0		I					
7.00000	5	22.7		XX					
8.00000	0	00.0		I					
9.00000	0	00.0		I					
10.0000	0	00.0		I					
				+-----+-----+-----+-----+-----+					
TOTAL	22	100.0		5	10	15	20	25	30

COMMAND: HIST

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 52 Q13B1

AT LEAST	1.00000			5	10	15	20
BUT NOT OVER:	FREQ	%					
1.00000	1	3.8	IXXXXXXXXXX				
2.00000	2	7.7	IXXXXXXXXXXXXXXXXXXX				
3.00000	0	00.0	I				
4.00000	0	00.0	I				
5.00000	0	00.0	I				
6.00000	0	00.0	I				
7.00000	4	15.4	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				
8.00000	0	00.0	I				
9.00000	0	00.0	I				
10.0000	1	3.8	IXXXXXXXXXX				
TOTAL	26	100.0		5	10	15	20



COMMAND: HIST

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 56 Q14A1

AT LEAST	1.00000			10	20	30	40	50
BUT NOT OVER:	FREQ	%		+-----+	+-----+	+-----+	+-----+	+-----+
1.00000	0	00.0	I					
2.00000	2	4.9	IXXXXX					
3.00000	1	2.4	IXX					
4.00000	1	2.4	IXX					
5.00000	1	2.4	IXX					
6.00000	3	7.3	IXXXXXXX					
7.00000	18	43.9	XX					
8.00000	5	12.2	IXXXXXXXX					
9.00000	10	24.4	XXXXXXXXXXXXXXXXXXXXXXXXXXXX					
10.0000	0	00.0	I					
				+-----+	+-----+	+-----+	+-----+	+-----+
TOTAL	41	100.0		10	20	30	40	50

COMMAND: HIST

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 60 Q14B1

AT LEAST	1.00000		5	10	15	20	25	30
BUT NOT OVER:	FREQ	%	+-----+-----+-----+-----+-----+					
1.00000	1	2.7	IXXXXX					
2.00000	0	00.0	I					
3.00000	1	2.7	IXXXXX					
4.00000	0	00.0	I					
5.00000	1	2.7	IXXXXX					
6.00000	2	5.4	IXXXXXXXXX					
7.00000	9	24.3	IXX					
8.00000	10	27.0	IXX					
9.00000	10	27.0	IXX					
10.0000	3	8.1	IXXXXXXXXXXXXX					
			+-----+-----+-----+-----+-----+					
TOTAL	37	100.0	5	10	15	20	25	30



COMMAND: HIST

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 64 Q14C1

AT LEAST	1.00000			5	10	15	20	25	30
BUT NOT OVER:	FREQ	%		+-----+	+-----+	+-----+	+-----+	+-----+	+-----+
1.00000	1	3.0	IXXXXX						
2.00000	0	00.0	I						
3.00000	1	3.0	IXXXXX						
4.00000	1	3.0	IXXXXX						
5.00000	6	18.2	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
6.00000	3	9.1	IXXXXXXXXXXXXXXXX						
7.00000	6	18.2	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
8.00000	7	21.2	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
9.00000	8	24.2	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
10.0000	0	00.0	I						
				+-----+	+-----+	+-----+	+-----+	+-----+	+-----+
TOTAL	33	100.0		5	10	15	20	25	30



COMMAND: HIST

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 80 Q15D1

AT LEAST	1.00000			5	10	15	20	25	30
BUT NOT OVER:	FREQ	%		+-----+	+-----+	+-----+	+-----+	+-----+	+-----+
1.00000	0	00.0	I						
2.00000	1	2.4	IXXXX						
3.00000	1	2.4	IXXXX						
4.00000	0	00.0	I						
5.00000	1	2.4	IXXXX						
6.00000	2	4.9	IXXXXXXXX						
7.00000	10	24.4	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
8.00000	11	26.8	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
9.00000	10	24.4	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
10.0000	5	12.2	IXXXXXXXXXXXXXXXXXXXXX						
				+-----+	+-----+	+-----+	+-----+	+-----+	+-----+
TOTAL	41	100.0		5	10	15	20	25	30



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - COS USERS ONLY
REV#206

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COMMAND: HIST

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 84 Q15E1

AT LEAST	1.00000			5	10	15	20	25	30	35	40
BUT NOT OVER:	FREQ	%		+	+	+	+	+	+	+	+
1.00000	0	00.0	I								
2.00000	0	00.0	I								
3.00000	0	00.0	I								
4.00000	2	5.7	IXXXXXXX								
5.00000	0	00.0	I								
6.00000	3	8.6	IXXXXXXXXXXX								
7.00000	6	17.1	IXXXXXXXXXXXXXXXXXXXXX								
8.00000	14	40.0	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX								
9.00000	5	14.3	IXXXXXXXXXXXXXXXXXXX								
10.0000	5	14.3	IXXXXXXXXXXXXXXXXXXX								
				+	+	+	+	+	+	+	+
TOTAL	35	100.0		5	10	15	20	25	30	35	40



COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 88 Q16

AT LEAST BUT NOT OVER:	1.00000 FREQ	%		10	20	30	40	50
			+-----+-----+-----+-----+					
1.00000	0	00.0	I					
2.00000	0	00.0	I					
3.00000	2	3.6	IXXXX					
4.00000	1	1.8	IXX					
5.00000	2	3.6	IXXXX					
6.00000	3	5.4	IXXXXX					
7.00000	7	12.5	XXXXXXXXXXXXX					
8.00000	12	21.4	XXXXXXXXXXXXXXXXXXXXX					
9.00000	23	41.1	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
10.0000	6	10.7	XXXXXXXXXXXXX					
			+-----+-----+-----+-----+					
TOTAL	56	100.0		10	20	30	40	50



COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 89 Q17

AT LEAST	1.00000			10	20	30	40	50
BUT NOT OVER:	FREQ	%						
1.00000	17	34.0	+	+	+	+	+	+
2.00000	25	50.0	XX					
3.00000	8	16.0	XX					
			+					
TOTAL	50	100.0		10	20	30	40	50

COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 92 Q20A

AT LEAST	1.00000			5	10	15	20	25	30	35	40
BUT NOT OVER:	FREQ	%		+	+	+	+	+	+	+	+
1.00000	0	00.0	I								
2.00000	0	00.0	I								
3.00000	1	1.8	IXX								
4.00000	5	8.8	IXXXXXXXXXXX								
5.00000	2	3.5	IXXXX								
6.00000	2	3.5	IXXXX								
7.00000	6	10.5	IXXXXXXXXXXXXX								
8.00000	17	29.8	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX								
9.00000	20	35.1	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX								
10.0000	4	7.0	IXXXXXXXX								
				+	+	+	+	+	+	+	+
TOTAL	57	100.0		5	10	15	20	25	30	35	40



COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 93 Q20B

AT LEAST	1.00000			10	20	30	40	50
BUT NOT OVER:	FREQ	%		+	+	+	+	+
1.00000	0	00.0	I					
2.00000	1	2.1	IXX					
3.00000	0	00.0	I					
4.00000	1	2.1	IXX					
5.00000	4	8.3	IXXXXXXXX					
6.00000	4	8.3	IXXXXXXXX					
7.00000	3	6.3	IXXXXXXX					
8.00000	13	27.1	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
9.00000	20	41.7	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
10.0000	2	4.2	IXXXX					
				+	+	+	+	+
TOTAL	48	100.0		10	20	30	40	50

COMMAND: HIST

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 94 Q20C

AT LEAST	1.00000		5	10	15	20	25	30
BUT NOT OVER:	FREQ	%	+-----+-----+-----+-----+-----+					
1.00000	1	1.8	IXXX					
2.00000	0	00.0	I					
3.00000	0	00.0	I					
4.00000	0	00.0	I					
5.00000	1	1.8	IXXX					
6.00000	4	7.0	IXXXXXXXXXXX					
7.00000	10	17.5	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
8.00000	14	24.6	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
9.00000	13	22.8	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
10.0000	14	24.6	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
			+-----+-----+-----+-----+-----+					
TOTAL	57	100.0	5	10	15	20	25	30



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY -
REV#206

ALL RESPONDENTS
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COMMAND: FREQ

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 10 Q1D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	22	22	39.3	39.3	-1.23201
2.00000	34	56	60.7	100.0	0.797185
TOTAL	56	56	100.0	100.0	



COMMAND: DESC

MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
11 Q2A	57	0	0.0
12 Q2B	57	0	0.0
13 Q2C1	57	0	0.0
14 Q2C2	57	0	0.0
15 Q2C3	57	0	0.0
16 Q2C4	56	1	1.8
17 Q2D	56	1	1.8
18 Q2E	57	0	0.0
19 Q2F	56	1	1.8
20 Q2G	57	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
11 Q2A	8.92982	0.997491	0.994987	0.132121	11.1703
12 Q2B	8.24561	1.71423	2.93860	0.227056	20.7896
13 Q2C1	7.68421	1.91010	3.64850	0.252999	24.8575
14 Q2C2	7.82456	1.91910	3.68296	0.254191	24.5267
15 Q2C3	5.92982	2.11170	4.45927	0.279701	35.6115
16 Q2C4	6.92857	2.09638	4.39481	0.280140	30.2570
17 Q2D	7.62500	1.85436	3.43864	0.247799	24.3194
18 Q2E	6.17544	2.72635	7.43296	0.361113	44.1482
19 Q2F	7.17857	1.85969	3.45844	0.248511	25.9061
20 Q2G	7.80702	1.88451	3.55138	0.249609	24.1387

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
11 Q2A	7.00000	10.0000	3.00000	509.000
12 Q2B	4.00000	10.0000	6.00000	470.000
13 Q2C1	1.00000	10.0000	9.00000	438.000
14 Q2C2	1.00000	10.0000	9.00000	446.000
15 Q2C3	1.00000	10.0000	9.00000	338.000
16 Q2C4	1.00000	10.0000	9.00000	388.000
17 Q2D	1.00000	10.0000	9.00000	427.000
18 Q2E	1.00000	10.0000	9.00000	352.000
19 Q2F	1.00000	10.0000	9.00000	402.000
20 Q2G	2.00000	10.0000	8.00000	445.000



COMMAND: FREQ

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 11 Q2A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
7.00000	5	5	8.8	8.8	-1.93468
8.00000	15	20	26.3	35.1	-0.932164
9.00000	16	36	28.1	63.2	0.0703520
10.0000	21	57	36.8	100.0	1.07287
TOTAL	57	57	100.0	100.0	

VARIABLE: 12 Q2B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	3	3	5.3	5.3	-2.47668
5.00000	3	6	5.3	10.5	-1.89333
6.00000	2	8	3.5	14.0	-1.30998
7.00000	8	16	14.0	28.1	-0.726630
8.00000	9	25	15.8	43.9	-0.143279
9.00000	17	42	29.8	73.7	0.440072
10.0000	15	57	26.3	100.0	1.02342
TOTAL	57	57	100.0	100.0	

VARIABLE: 13 Q2C1

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	3.5	3.5	-3.49940
5.00000	4	6	7.0	10.5	-1.40527
6.00000	6	12	10.5	21.1	-0.881738
7.00000	8	20	14.0	35.1	-0.358206
8.00000	17	37	29.8	64.9	0.165326
9.00000	12	49	21.1	86.0	0.688858
10.0000	8	57	14.0	100.0	1.21239
TOTAL	57	57	100.0	100.0	

VARIABLE: 14 Q2C2

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	3.5	3.5	-3.55612
5.00000	3	5	5.3	8.8	-1.47181
6.00000	6	11	10.5	19.3	-0.950736
7.00000	7	18	12.3	31.6	-0.429660
8.00000	17	35	29.8	61.4	0.0914170
9.00000	12	47	21.1	82.5	0.612494
10.0000	10	57	17.5	100.0	1.13357
TOTAL	57	57	100.0	100.0	



COMMAND: FREQ

VARIABLE: 15 Q2C3

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	3.5	3.5	-2.33453
2.00000	4	6	7.0	10.5	-1.86098
3.00000	3	9	5.3	15.8	-1.38743
4.00000	3	12	5.3	21.1	-0.913873
5.00000	8	20	14.0	35.1	-0.440321
6.00000	9	29	15.8	50.9	0.0332317
7.00000	15	44	26.3	77.2	0.506784
8.00000	10	54	17.5	94.7	0.980336
9.00000	2	56	3.5	98.2	1.45389
10.0000	1	57	1.8	100.0	1.92744
TOTAL	57	57	100.0	100.0	

VARIABLE: 16 Q2C4

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	3.6	3.6	-2.82801
2.00000	1	3	1.8	5.4	-2.35099
3.00000	2	5	3.6	8.9	-1.87398
4.00000	1	6	1.8	10.7	-1.39697
5.00000	5	11	8.9	19.6	-0.919954
6.00000	7	18	12.5	32.1	-0.442941
7.00000	12	30	21.4	53.6	0.0340724
8.00000	14	44	25.0	78.6	0.511085
9.00000	9	53	16.1	94.6	0.988098
10.0000	3	56	5.4	100.0	1.46511
TOTAL	56	56	100.0	100.0	

VARIABLE: 17 Q2D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	3.6	3.6	-3.57267
5.00000	4	6	7.1	10.7	-1.41559
6.00000	3	9	5.4	16.1	-0.876315
7.00000	13	22	23.2	39.3	-0.337044
8.00000	17	39	30.4	69.6	0.202227
9.00000	10	49	17.9	87.5	0.741497
10.0000	7	56	12.5	100.0	1.28077
TOTAL	56	56	100.0	100.0	

VARIABLE: 18 Q2E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	4	4	7.0	7.0	-1.89831
2.00000	2	6	3.5	10.5	-1.53152



3.00000

6

12

10.5

21.1

-1.16472



COMMAND: FREQ

VARIABLE: 18 Q2E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	6	18	10.5	31.6	-0.797932
5.00000	3	21	5.3	36.8	-0.431141
6.00000	5	26	8.8	45.6	-0.0643494
7.00000	10	36	17.5	63.2	0.302442
8.00000	10	46	17.5	80.7	0.669233
9.00000	3	49	5.3	86.0	1.03602
10.0000	8	57	14.0	100.0	1.40282
TOTAL	57	57	100.0	100.0	

VARIABLE: 19 Q2F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	1.8	1.8	-3.32237
2.00000	1	2	1.8	3.6	-2.78464
4.00000	1	3	1.8	5.4	-1.70920
5.00000	6	9	10.7	16.1	-1.17147
6.00000	10	19	17.9	33.9	-0.633747
7.00000	8	27	14.3	48.2	-0.0960222
8.00000	16	43	28.6	76.8	0.441702
9.00000	9	52	16.1	92.9	0.979427
10.0000	4	56	7.1	100.0	1.51715
TOTAL	56	56	100.0	100.0	

VARIABLE: 20 Q2G

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	1.8	1.8	-3.08145
4.00000	1	2	1.8	3.5	-2.02016
5.00000	7	9	12.3	15.8	-1.48952
6.00000	4	13	7.0	22.8	-0.958879
7.00000	8	21	14.0	36.8	-0.428237
8.00000	13	34	22.8	59.6	0.102405
9.00000	10	44	17.5	77.2	0.633046
10.0000	13	57	22.8	100.0	1.16369
TOTAL	57	57	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY -
REV#206

ALL RESPONDENTS
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COMMAND: DESC

MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
21 Q4	57	0	0.0
22 Q5	52	5	8.8

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
21 Q4	71.7719	25.5469	652.643	3.38377	35.5945
22 Q5	7.50000	6.58727	43.3922	0.913490	87.8303

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
21 Q4	5.00000	100.000	95.0000	4091.00
22 Q5	1.00000	28.0000	27.0000	390.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY -
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ALL RESPONDENTS
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COMMAND: DESC

MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
23 Q5A	51	6	10.5
24 Q5B	48	9	15.8
25 Q5C	25	32	56.1

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
23 Q5A	51.0392	27.0170	729.918	3.78314	52.9338
24 Q5B	45.0833	25.0521	627.610	3.61597	55.5685
25 Q5C	25.3200	23.0538	531.477	4.61076	91.0497

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
23 Q5A	3.00000	100.000	97.0000	2603.00
24 Q5B	5.00000	100.000	95.0000	2164.00
25 Q5C	2.00000	100.000	98.0000	633.000



COMMAND: FREQ

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 23 Q5A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
3.00000	1	1	2.0	2.0	-1.77811
10.0000	2	3	3.9	5.9	-1.51901
20.0000	5	8	9.8	15.7	-1.14888
25.0000	6	14	11.8	27.5	-0.963808
30.0000	2	16	3.9	31.4	-0.778740
33.0000	3	19	5.9	37.3	-0.667699
34.0000	1	20	2.0	39.2	-0.630685
40.0000	1	21	2.0	41.2	-0.408603
43.0000	1	22	2.0	43.1	-0.297561
47.0000	1	23	2.0	45.1	-0.149506
50.0000	6	29	11.8	56.9	-0.0384652
60.0000	2	31	3.9	60.8	0.331672
63.0000	1	32	2.0	62.7	0.442713
66.0000	1	33	2.0	64.7	0.553754
67.0000	3	36	5.9	70.6	0.590768
68.0000	1	37	2.0	72.5	0.627782
70.0000	1	38	2.0	74.5	0.701809
71.0000	1	39	2.0	76.5	0.738823
75.0000	5	44	9.8	86.3	0.886878
90.0000	2	46	3.9	90.2	1.44208
95.0000	1	47	2.0	92.2	1.62715
98.0000	1	48	2.0	94.1	1.73819
100.000	3	51	5.9	100.0	1.81222
TOTAL	51	51	100.0	100.0	

VARIABLE: 24 Q5B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	2.1	2.1	-1.60000
6.00000	2	3	4.2	6.3	-1.56008
10.0000	2	5	4.2	10.4	-1.40041
17.0000	1	6	2.1	12.5	-1.12100
18.0000	1	7	2.1	14.6	-1.08108
20.0000	2	9	4.2	18.8	-1.00124
25.0000	3	12	6.3	25.0	-0.801661
27.0000	1	13	2.1	27.1	-0.721828
30.0000	1	14	2.1	29.2	-0.602078
33.0000	5	19	10.4	39.6	-0.482327
34.0000	1	20	2.1	41.7	-0.442411
36.0000	1	21	2.1	43.8	-0.362577
37.0000	1	22	2.1	45.8	-0.322660
40.0000	2	24	4.2	50.0	-0.202910
43.0000	1	25	2.1	52.1	-0.0831599
47.0000	1	26	2.1	54.2	0.0765071
50.0000	7	33	14.6	68.8	0.196257



55.0000

1

34

2.1

70.8

0.395841



COMMAND: FREQ

VARIABLE: 24 Q5B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
60.0000	3	37	6.3	77.1	0.595425
66.0000	1	38	2.1	79.2	0.834925
67.0000	1	39	2.1	81.3	0.874842
70.0000	1	40	2.1	83.3	0.994592
75.0000	2	42	4.2	87.5	1.19418
80.0000	2	44	4.2	91.7	1.39376
90.0000	2	46	4.2	95.8	1.79293
100.000	2	48	4.2	100.0	2.19209
TOTAL	48	48	100.0	100.0	

VARIABLE: 25 Q5C

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	4.0	4.0	-1.01155
5.00000	3	4	12.0	16.0	-0.881417
7.00000	1	5	4.0	20.0	-0.794664
8.00000	1	6	4.0	24.0	-0.751287
10.0000	3	9	12.0	36.0	-0.664533
14.0000	1	10	4.0	40.0	-0.491026
15.0000	1	11	4.0	44.0	-0.447649
17.0000	1	12	4.0	48.0	-0.360895
20.0000	1	13	4.0	52.0	-0.230765
23.0000	1	14	4.0	56.0	-0.100634
25.0000	2	16	8.0	64.0	-0.0138806
26.0000	1	17	4.0	68.0	0.0294963
33.0000	1	18	4.0	72.0	0.333134
34.0000	2	20	8.0	80.0	0.376511
40.0000	2	22	8.0	88.0	0.636772
50.0000	1	23	4.0	92.0	1.07054
75.0000	1	24	4.0	96.0	2.15496
100.000	1	25	4.0	100.0	3.23938
TOTAL	25	25	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY -
REV#206

ALL RESPONDENTS
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COMMAND: DESC

MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
26 Q6A	54	3	5.3
27 Q6B	51	6	10.5
28 Q7	46	11	19.3

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
26 Q6A	8.68519	12.8970	166.333	1.75506	148.494
27 Q6B	57.8039	32.2168	1037.92	4.51125	55.7346
28 Q7	102.652	85.8912	7377.30	12.6640	83.6721

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
26 Q6A	1.00000	60.0000	59.0000	469.000
27 Q6B	5.00000	150.000	145.000	2948.00
28 Q7	15.0000	480.000	465.000	4722.00



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY -
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COMMAND: DESC

MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
29 Q8A	56	1	1.8
30 Q8B	57	0	0.0
31 Q8C	54	3	5.3
32 Q8D	54	3	5.3
33 Q9	43	14	24.6

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
29 Q8A	7.78571	1.99740	3.98961	0.266914	25.6547
30 Q8B	6.66667	2.04707	4.19048	0.271140	30.7060
31 Q8C	8.87037	1.13348	1.28477	0.154246	12.7782
32 Q8D	7.79630	1.97512	3.90112	0.268780	25.3341
33 Q9	6.34884	2.31849	5.37542	0.353567	36.5184

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
29 Q8A	2.00000	10.0000	8.00000	436.000
30 Q8B	2.00000	10.0000	8.00000	380.000
31 Q8C	5.00000	10.0000	5.00000	479.000
32 Q8D	2.00000	10.0000	8.00000	421.000
33 Q9	1.00000	10.0000	9.00000	273.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY -
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COMMAND: DESC

MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
34 Q10A	52	5	8.8
35 Q10B	36	21	36.8
36 Q10C	52	5	8.8
37 Q10D	50	7	12.3
38 Q10E	56	1	1.8
39 Q10F	46	11	19.3

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
34 Q10A	8.65385	1.29682	1.68175	0.179837	14.9855
35 Q10B	7.38889	1.66094	2.75873	0.276824	22.4789
36 Q10C	7.80769	1.93054	3.72700	0.267718	24.7262
37 Q10D	7.58000	2.14847	4.61592	0.303839	28.3439
38 Q10E	8.25000	1.40454	1.97273	0.187689	17.0247
39 Q10F	8.28261	1.10881	1.22947	0.163486	13.3873

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
34 Q10A	3.00000	10.0000	7.00000	450.000
35 Q10B	3.00000	10.0000	7.00000	266.000
36 Q10C	3.00000	10.0000	7.00000	406.000
37 Q10D	2.00000	10.0000	8.00000	379.000
38 Q10E	4.00000	10.0000	6.00000	462.000
39 Q10F	5.00000	10.0000	5.00000	381.000



ABSTAT 4.07
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CRAY CUSTOMER SATISFACTION SURVEY -
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ALL RESPONDENTS
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COMMAND: DESC

MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
40 Q12A1	6	51	89.5
41 Q12A2	6	51	89.5
42 Q12A3	4	53	93.0
43 Q12A4	11	46	80.7
44 Q12B1	11	46	80.7
45 Q12B2	11	46	80.7
46 Q12B3	4	53	93.0
47 Q12B4	11	46	80.7
48 Q13A1	26	31	54.4
49 Q13A2	30	27	47.4
50 Q13A3	7	50	87.7
51 Q13A4	20	37	64.9
52 Q13B1	33	24	42.1
53 Q13B2	36	21	36.8
54 Q13B3	8	49	86.0
55 Q13B4	20	37	64.9

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
40 Q12A1	62.6667	148.132	21943.1	60.4746	236.381
41 Q12A2	79.1667	145.242	21095.4	59.2950	183.464
42 Q12A3	57.2500	49.6412	2464.25	24.8206	86.7095
43 Q12A4	12.0000	29.0345	843.000	8.75422	241.954
44 Q12B1	38.2727	108.562	11785.6	32.7326	283.653
45 Q12B2	62.0000	109.208	11926.4	32.9275	176.142
46 Q12B3	72.2500	47.6891	2274.25	23.8445	66.0057
47 Q12B4	15.9091	29.1906	852.091	8.80130	183.484
48 Q13A1	24.0769	73.3163	5375.27	14.3785	304.508
49 Q13A2	41.0667	78.4386	6152.62	14.3209	191.003
50 Q13A3	51.2857	52.5189	2758.24	19.8503	102.405
51 Q13A4	30.6500	50.3590	2536.03	11.2606	164.303
52 Q13B1	76.2121	95.4462	9109.98	16.6151	125.238
53 Q13B2	91.1667	113.111	12794.1	18.8518	124.071
54 Q13B3	83.2500	72.9065	5315.36	25.7763	87.5754
55 Q13B4	59.8500	70.9442	5033.08	15.8636	118.537

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
40 Q12A1	1.00000	365.000	364.000	376.000
41 Q12A2	1.00000	365.000	364.000	475.000
42 Q12A3	1.00000	99.0000	98.0000	229.000
43 Q12A4	1.00000	99.0000	98.0000	132.000
44 Q12B1	1.00000	365.000	364.000	421.000
45 Q12B2	1.00000	365.000	364.000	682.000
46 Q12B3	1.00000	99.0000	98.0000	289.000
47 Q12B4	1.00000	99.0000	98.0000	175.000



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CRAY CUSTOMER SATISFACTION SURVEY -
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COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
48 Q13A1	1.00000	365.000	364.000	626.000
49 Q13A2	1.00000	365.000	364.000	1232.00
50 Q13A3	1.00000	120.000	119.000	359.000
51 Q13A4	1.00000	180.000	179.000	613.000
52 Q13B1	1.00000	365.000	364.000	2515.00
53 Q13B2	1.00000	365.000	364.000	3282.00
54 Q13B3	1.00000	180.000	179.000	666.000
55 Q13B4	1.00000	180.000	179.000	1197.00



COMMAND: DESC

MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
56 Q14A1	53	4	7.0
57 Q14A2	52	5	8.8
58 Q14A3	13	44	77.2
59 Q14A4	33	24	42.1
60 Q14B1	46	11	19.3
61 Q14B2	47	10	17.5
62 Q14B3	13	44	77.2
63 Q14B4	28	29	50.9
64 Q14C1	43	14	24.6
65 Q14C2	46	11	19.3
66 Q14C3	11	46	80.7
67 Q14C4	26	31	54.4

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
56 Q14A1	7.18868	1.84032	3.38679	0.252788	25.6003
57 Q14A2	7.46154	1.66229	2.76320	0.230518	22.2781
58 Q14A3	6.76923	2.58695	6.69231	0.717491	38.2163
59 Q14A4	7.72727	1.37552	1.89205	0.239447	17.8008
60 Q14B1	7.56522	2.01827	4.07343	0.297578	26.6783
61 Q14B2	7.38298	1.93989	3.76318	0.282962	26.2752
62 Q14B3	6.61538	2.90225	8.42308	0.804940	43.8713
63 Q14B4	7.96429	1.31887	1.73942	0.249243	16.5598
64 Q14C1	6.86047	2.13342	4.55150	0.325344	31.0974
65 Q14C2	6.58696	2.18659	4.78116	0.322395	33.1957
66 Q14C3	5.81818	2.89200	8.36364	0.871969	49.7062
67 Q14C4	7.46154	1.70249	2.89846	0.333885	22.8168

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
56 Q14A1	2.00000	10.0000	8.00000	381.000
57 Q14A2	3.00000	10.0000	7.00000	388.000
58 Q14A3	2.00000	10.0000	8.00000	88.0000
59 Q14A4	4.00000	10.0000	6.00000	255.000
60 Q14B1	1.00000	10.0000	9.00000	348.000
61 Q14B2	1.00000	10.0000	9.00000	347.000
62 Q14B3	1.00000	10.0000	9.00000	86.0000
63 Q14B4	3.00000	10.0000	7.00000	223.000
64 Q14C1	1.00000	10.0000	9.00000	295.000
65 Q14C2	1.00000	10.0000	9.00000	303.000
66 Q14C3	1.00000	10.0000	9.00000	64.0000
67 Q14C4	3.00000	10.0000	7.00000	194.000



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CRAY CUSTOMER SATISFACTION SURVEY -
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ALL RESPONDENTS
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COMMAND: DESC

MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
68 Q15A1	38	19	33.3
69 Q15A2	30	27	47.4
70 Q15A3	5	52	91.2
71 Q15A4	19	38	66.7
72 Q15B1	42	15	26.3
73 Q15B2	44	13	22.8
74 Q15B3	10	47	82.5
75 Q15B4	23	34	59.6
76 Q15C1	39	18	31.6
77 Q15C2	32	25	43.9
78 Q15C3	8	49	86.0
79 Q15C4	23	34	59.6
80 Q15D1	52	5	8.8
81 Q15D2	51	6	10.5
82 Q15D3	10	47	82.5
83 Q15D4	24	33	57.9
84 Q15E1	42	15	26.3
85 Q15E2	34	23	40.4
86 Q15E3	9	48	84.2
87 Q15E4	25	32	56.1

VARIABLE	MEAN	STD. DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
68 Q15A1	7.44737	1.50130	2.25391	0.243544	20.1588
69 Q15A2	7.56667	1.47819	2.18506	0.269880	19.5356
70 Q15A3	8.00000	1.41421	2.00000	0.632456	17.6777
71 Q15A4	7.10526	1.32894	1.76608	0.304880	18.7036
72 Q15B1	7.14286	1.61655	2.61324	0.249439	22.6317
73 Q15B2	7.88636	1.26152	1.59144	0.190182	15.9962
74 Q15B3	7.70000	1.63639	2.67778	0.517472	21.2518
75 Q15B4	7.08696	1.47442	2.17391	0.307438	20.8047
76 Q15C1	7.41026	1.87389	3.51147	0.300063	25.2878
77 Q15C2	7.37500	1.93023	3.72581	0.341221	26.1727
78 Q15C3	6.37500	3.02076	9.12500	1.06800	47.3845
79 Q15C4	7.30435	1.36298	1.85771	0.284200	18.6598
80 Q15D1	7.90385	1.70650	2.91214	0.236649	21.5908
81 Q15D2	7.84314	1.82617	3.33490	0.255715	23.2837
82 Q15D3	6.90000	3.07137	9.43333	0.971253	44.5127
83 Q15D4	6.83333	2.25864	5.10145	0.461043	33.0533
84 Q15E1	7.71429	1.77084	3.13589	0.273247	22.9554
85 Q15E2	7.67647	1.93407	3.74064	0.331691	25.1948
86 Q15E3	8.22222	1.09291	1.19444	0.364302	13.2921
87 Q15E4	8.16000	1.06771	1.14000	0.213542	13.0847



ABSTAT 4.07
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CRAY CUSTOMER SATISFACTION SURVEY -
REV#206

ALL RESPONDENTS
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COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
68 Q15A1	4.00000	10.0000	6.00000	283.000
69 Q15A2	5.00000	10.0000	5.00000	227.000
70 Q15A3	6.00000	10.0000	4.00000	40.0000
71 Q15A4	4.00000	9.00000	5.00000	135.000
72 Q15B1	1.00000	10.0000	9.00000	300.000
73 Q15B2	5.00000	10.0000	5.00000	347.000
74 Q15B3	4.00000	10.0000	6.00000	77.0000
75 Q15B4	5.00000	10.0000	5.00000	163.000
76 Q15C1	3.00000	10.0000	7.00000	289.000
77 Q15C2	1.00000	10.0000	9.00000	236.000
78 Q15C3	2.00000	9.00000	7.00000	51.0000
79 Q15C4	3.00000	9.00000	6.00000	168.000
80 Q15D1	2.00000	10.0000	8.00000	411.000
81 Q15D2	2.00000	10.0000	8.00000	400.000
82 Q15D3	1.00000	10.0000	9.00000	69.0000
83 Q15D4	1.00000	10.0000	9.00000	164.000
84 Q15E1	2.00000	10.0000	8.00000	324.000
85 Q15E2	1.00000	10.0000	9.00000	261.000
86 Q15E3	7.00000	10.0000	3.00000	74.0000
87 Q15E4	6.00000	10.0000	4.00000	204.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY -
REV#206

ALL RESPONDENTS
APR 28 '87 PAGE 18

COMMAND: DESC

MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

56 CASES (98.2%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
88 Q16	8.03571	1.65105	2.72597	0.220631	20.5464

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
88 Q16	3.00000	10.0000	7.00000	450.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY -
REV#206

ALL RESPONDENTS
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COMMAND: FREQ

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 89 Q17

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	17	17	34.0	34.0	-1.18711
2.00000	25	42	50.0	84.0	0.260584
3.00000	8	50	16.0	100.0	1.70828
TOTAL	50	50	100.0	100.0	

VARIABLE: 90 Q18A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	17	17	31.5	31.5	-1.46156
2.00000	37	54	68.5	100.0	0.671529
TOTAL	54	54	100.0	100.0	

VARIABLE: 91 Q18B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	10	10	66.7	66.7	-0.683130
2.00000	5	15	33.3	100.0	1.36626
TOTAL	15	15	100.0	100.0	

ABSTAT 4.07
FILE: ZCR3-3

CRAY USER SATISFACTION SURVEY
REV#40

ALL RESPONDENTS
- QUESTION 19
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COMMAND: DESC

MISSING VALUE TREATMENT: VARWISE

THERE ARE 21 VARIABLES AND 57 CASES IN THE DATA SET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
2 Q19A1	39	18	31.6
3 Q19A2	26	31	54.4
4 Q19A3	38	19	33.3
5 Q19A4	47	10	17.5
6 Q19A5	7	50	87.7
7 Q19B1	39	18	31.6
8 Q19B2	23	34	59.6
9 Q19B3	36	21	36.8
10 Q19B4	47	10	17.5
11 Q19B5	7	50	87.7
12 Q19C1	35	22	38.6
13 Q19C2	25	32	56.1
14 Q19C3	34	23	40.4
15 Q19C4	46	11	19.3
16 Q19C5	3	54	94.7
17 Q19D1	39	18	31.6
18 Q19D2	25	32	56.1
19 Q19D3	36	21	36.8
20 Q19D4	47	10	17.5
21 Q19D5	7	50	87.7

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
2 Q19A1	7.61538	1.61596	2.61134	0.258761	21.2197
3 Q19A2	6.73077	1.73338	3.00462	0.339944	25.7531
4 Q19A3	7.21053	1.72670	2.98151	0.280108	23.9470
5 Q19A4	8.25532	1.32645	1.75948	0.193483	16.0679
6 Q19A5	7.71429	1.25357	1.57143	0.473804	16.2499
7 Q19B1	8.02564	1.87065	3.49933	0.299543	23.3084
8 Q19B2	7.08696	1.62125	2.62846	0.338054	22.8766
9 Q19B3	6.63889	1.95890	3.83730	0.326484	29.5065
10 Q19B4	7.89362	1.64494	2.70583	0.239939	20.8389
11 Q19B5	7.85714	1.06904	1.14286	0.404061	13.6060
12 Q19C1	7.34286	1.73108	2.99664	0.292606	23.5750
13 Q19C2	6.68000	1.24900	1.56000	0.249800	18.6976
14 Q19C3	6.91176	1.46407	2.14349	0.251086	21.1823
15 Q19C4	7.10870	1.46406	2.14348	0.215864	20.5954
16 Q19C5	6.33333	0.577350	0.333333	0.333333	9.11606
17 Q19D1	7.89744	1.51822	2.30499	0.243110	19.2242
18 Q19D2	6.68000	2.23084	4.97667	0.446169	33.3959
19 Q19D3	6.83333	2.03540	4.14286	0.339233	29.7864
20 Q19D4	7.87234	1.63677	2.67900	0.238747	20.7913
21 Q19D5	7.28571	1.11270	1.23810	0.420560	15.2723



ABSTAT 4.07
FILE: ZCR3-3

CRAY USER SATISFACTION SURVEY
REV#40

ALL RESP.
QUESTION 19
APR 30 '87

PAGE 19c

COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
2 Q19A1	3.00000	10.0000	7.00000	297.000
3 Q19A2	1.00000	9.00000	8.00000	175.000
4 Q19A3	2.00000	10.0000	8.00000	274.000
5 Q19A4	4.00000	10.0000	6.00000	388.000
6 Q19A5	6.00000	9.00000	3.00000	54.0000
7 Q19B1	3.00000	10.0000	7.00000	313.000
8 Q19B2	2.00000	10.0000	8.00000	163.000
9 Q19B3	3.00000	10.0000	7.00000	239.000
10 Q19B4	1.00000	10.0000	9.00000	371.000
11 Q19B5	6.00000	9.00000	3.00000	55.0000
12 Q19C1	3.00000	10.0000	7.00000	257.000
13 Q19C2	5.00000	10.0000	5.00000	167.000
14 Q19C3	3.00000	9.00000	6.00000	235.000
15 Q19C4	4.00000	10.0000	6.00000	327.000
16 Q19C5	6.00000	7.00000	1.00000	19.0000
17 Q19D1	5.00000	10.0000	5.00000	308.000
18 Q19D2	1.00000	9.00000	8.00000	167.000
19 Q19D3	3.00000	10.0000	7.00000	246.000
20 Q19D4	2.00000	10.0000	8.00000	370.000
21 Q19D5	5.00000	8.00000	3.00000	51.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY -
REV#206

ALL RESPONDENTS
APR 28 '87 PAGE 20

COMMAND: DESC

MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
92 Q20A	57	0	0.0
93 Q20B	48	9	15.8
94 Q20C	57	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
92 Q20A	7.77193	1.74251	3.03634	0.230801	22.4206
93 Q20B	7.81250	1.68417	2.83644	0.243089	21.5574
94 Q20C	8.22807	1.63683	2.67920	0.216803	19.8932

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
92 Q20A	3.00000	10.0000	7.00000	443.000
93 Q20B	2.00000	10.0000	8.00000	375.000
94 Q20C	1.00000	10.0000	9.00000	469.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY -
REV#206

ALL RESPONDENTS
APR 28 '87 PAGE 21

COMMAND: DESC

MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
95 Q20D1	47	10	17.5
96 Q20D2	57	0	0.0
97 Q20D3	51	6	10.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
95 Q20D1	4.49957	20.1588	406.376	2.94046	448.015
96 Q20D2	0.797895	0.915314	0.837799	0.121236	114.716
97 Q20D3	7.84373	13.7144	188.086	1.92040	174.846

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
95 Q20D1	0.0300000	99.0000	98.9700	211.480
96 Q20D2	0.0800000	6.00000	5.92000	45.4800
97 Q20D3	0.0300000	99.0000	98.9700	400.030



COMMAND: FREQ

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 98 Q20E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	50	50	87.7	87.7	-0.370869
2.00000	7	57	12.3	100.0	2.64906
TOTAL	57	57	100.0	100.0	

VARIABLE: 99 Q20F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	44	44	83.0	83.0	-0.447980
2.00000	9	53	17.0	100.0	2.19012
TOTAL	53	53	100.0	100.0	

VARIABLE: 100 Q21A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	35	35	61.4	61.4	-0.785840
2.00000	22	57	38.6	100.0	1.25020
TOTAL	57	57	100.0	100.0	

VARIABLE: 101 Q22A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	25	25	55.6	55.6	-0.884433
2.00000	20	45	44.4	100.0	1.10554
TOTAL	45	45	100.0	100.0	

VARIABLE: 102 Q22B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	34	34	64.2	64.2	-0.740459
2.00000	19	53	35.8	100.0	1.32503
TOTAL	53	53	100.0	100.0	

VARIABLE: 103 Q24A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	39	39	73.6	73.6	-0.593465
2.00000	14	53	26.4	100.0	1.65323



TOTAL	53	53	100.0	100.0
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ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY -
REV#206

ALL RESPONDENTS
APR 28 '87 PAGE 23

COMMAND: DESC

MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

52 CASES (91.2%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
104 Q24B	7.40385	1.41781	2.01018	0.196615	19.1496

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
104 Q24B	3.00000	10.0000	7.00000	385.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY -
REV#206

ALL RESPONDENTS
APR 28 '87 PAGE 24

COMMAND: FREQ

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 105 Q26A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	42	42	77.8	77.8	-0.511458
2.00000	1	43	1.9	79.6	0.593291
3.00000	9	52	16.7	96.3	1.69804
4.00000	2	54	3.7	100.0	2.80279
TOTAL	54	54	100.0	100.0	

ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - COMMERCIAL ACCOUNTS ONLY
REV#206

APR 28 '87 PAGE 1

COMMAND: FREQ

SELECTION ON VAR 8 COMGOVT = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 9 Q1D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	19	19	59.4	59.4	-0.814143
2.00000	13	32	40.6	100.0	1.18990
TOTAL	32	32	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - COMMERCIAL ACCOUNTS ONLY
REV#206 APR 28 '87 PAGE 2

COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

32 CASES (56.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
10 Q2A	32	0	0.0
11 Q2B	32	0	0.0
12 Q2C1	32	0	0.0
13 Q2C2	32	0	0.0
14 Q2C3	32	0	0.0
15 Q2C4	31	1	3.1
16 Q2D	32	0	0.0
17 Q2E	32	0	0.0
18 Q2F	32	0	0.0
19 Q2G	32	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
10 Q2A	8.68750	1.09065	1.18952	0.192801	12.5542
11 Q2B	8.21875	1.73641	3.01512	0.306957	21.1274
12 Q2C1	7.90625	1.46704	2.15222	0.259339	18.5555
13 Q2C2	7.93750	1.52268	2.31855	0.269174	19.1833
14 Q2C3	5.96875	1.89199	3.57964	0.334460	31.6983
15 Q2C4	7.03226	1.53805	2.36559	0.276242	21.8713
16 Q2D	7.65625	1.31024	1.71673	0.231620	17.1134
17 Q2E	6.31250	2.76426	7.64113	0.488657	43.7902
18 Q2F	7.09375	2.11537	4.47480	0.373948	29.8202
19 Q2G	7.93750	1.79493	3.22177	0.317302	22.6133

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
10 Q2A	7.00000	10.0000	3.00000	278.000
11 Q2B	4.00000	10.0000	6.00000	263.000
12 Q2C1	5.00000	10.0000	5.00000	253.000
13 Q2C2	5.00000	10.0000	5.00000	254.000
14 Q2C3	2.00000	9.00000	7.00000	191.000
15 Q2C4	3.00000	10.0000	7.00000	218.000
16 Q2D	5.00000	10.0000	5.00000	245.000
17 Q2E	1.00000	10.0000	9.00000	202.000
18 Q2F	1.00000	10.0000	9.00000	227.000
19 Q2G	2.00000	10.0000	8.00000	254.000



COMMAND: FREQ

SELECTION ON VAR 8 COMGOVT = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 10 Q2A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
7.00000	5	5	15.6	15.6	-1.54724
8.00000	10	15	31.3	46.9	-0.630358
9.00000	7	22	21.9	68.8	0.286527
10.0000	10	32	31.3	100.0	1.20341
TOTAL	32	32	100.0	100.0	

VARIABLE: 11 Q2B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	2	2	6.3	6.3	-2.42958
5.00000	1	3	3.1	9.4	-1.85368
6.00000	2	5	6.3	15.6	-1.27778
7.00000	4	9	12.5	28.1	-0.701879
8.00000	5	14	15.6	43.8	-0.125978
9.00000	10	24	31.3	75.0	0.449922
10.0000	8	32	25.0	100.0	1.02582
TOTAL	32	32	100.0	100.0	

VARIABLE: 12 Q2C1

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	2	2	6.3	6.3	-1.98102
6.00000	4	6	12.5	18.8	-1.29938
7.00000	6	12	18.8	37.5	-0.617739
8.00000	8	20	25.0	62.5	0.0639040
9.00000	7	27	21.9	84.4	0.745547
10.0000	5	32	15.6	100.0	1.42719
TOTAL	32	32	100.0	100.0	

VARIABLE: 13 Q2C2

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	3	3	9.4	9.4	-1.92917
6.00000	3	6	9.4	18.8	-1.27243
7.00000	5	11	15.6	34.4	-0.615692
8.00000	8	19	25.0	59.4	0.0410461
9.00000	8	27	25.0	84.4	0.697784
10.0000	5	32	15.6	100.0	1.35452
TOTAL	32	32	100.0	100.0	



COMMAND: FREQ

VARIABLE: 14 Q2C3

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	3	3	9.4	9.4	-2.09766
3.00000	2	5	6.3	15.6	-1.56911
5.00000	6	11	18.8	34.4	-0.512026
6.00000	5	16	15.6	50.0	0.0165170
7.00000	10	26	31.3	81.3	0.545060
8.00000	5	31	15.6	96.9	1.07360
9.00000	1	32	3.1	100.0	1.60215
TOTAL	32	32	100.0	100.0	

VARIABLE: 15 Q2C4

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
3.00000	1	1	3.2	3.2	-2.62167
4.00000	1	2	3.2	6.5	-1.97150
5.00000	3	5	9.7	16.1	-1.32132
6.00000	4	9	12.9	29.0	-0.671148
7.00000	9	18	29.0	58.1	-0.0209734
8.00000	9	27	29.0	87.1	0.629201
9.00000	3	30	9.7	96.8	1.27938
10.0000	1	31	3.2	100.0	1.92955
TOTAL	31	31	100.0	100.0	

VARIABLE: 16 Q2D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	3	3	9.4	9.4	-2.02730
6.00000	2	5	6.3	15.6	-1.26408
7.00000	8	13	25.0	40.6	-0.500862
8.00000	11	24	34.4	75.0	0.262356
9.00000	6	30	18.8	93.8	1.02557
10.0000	2	32	6.3	100.0	1.78879
TOTAL	32	32	100.0	100.0	

VARIABLE: 17 Q2E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	3.1	3.1	-1.92185
2.00000	2	3	6.3	9.4	-1.56009
3.00000	4	7	12.5	21.9	-1.19833
4.00000	3	10	9.4	31.3	-0.836571
5.00000	1	11	3.1	34.4	-0.474811
6.00000	5	16	15.6	50.0	-0.113050
7.00000	4	20	12.5	62.5	0.248710
8.00000	4	24	12.5	75.0	0.610471



9.00000

2

26

6.3

81.3

0.972232



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - COMMERCIAL ACCOUNTS ONLY
REV#206

APR 28 '87 PAGE 5

COMMAND: FREQ

VARIABLE: 17 Q2E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
10.0000	6	32	18.8	100.0	1.33399
TOTAL	32	32	100.0	100.0	

VARIABLE: 18 Q2F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	3.1	3.1	-2.88070
2.00000	1	2	3.1	6.3	-2.40797
4.00000	1	3	3.1	9.4	-1.46251
5.00000	2	5	6.3	15.6	-0.989779
6.00000	7	12	21.9	37.5	-0.517049
7.00000	3	15	9.4	46.9	-0.0443184
8.00000	8	23	25.0	71.9	0.428412
9.00000	7	30	21.9	93.8	0.901142
10.0000	2	32	6.3	100.0	1.37387
TOTAL	32	32	100.0	100.0	

VARIABLE: 19 Q2G

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	3.1	3.1	-3.30793
5.00000	1	2	3.1	6.3	-1.63655
6.00000	4	6	12.5	18.8	-1.07943
7.00000	5	11	15.6	34.4	-0.522304
8.00000	8	19	25.0	59.4	0.0348203
9.00000	6	25	18.8	78.1	0.591945
10.0000	7	32	21.9	100.0	1.14907
TOTAL	32	32	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - COMMERCIAL ACCOUNTS ONLY
REV#206 APR 28 '87 PAGE 6

COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

32 CASES (56.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
20 Q4	31	1	3.1
21 Q5	28	4	12.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
20 Q4	64.7742	25.7601	663.581	4.62664	39.7690
21 Q5	7.64286	7.31419	53.4974	1.38225	95.6997

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
20 Q4	10.0000	100.000	90.0000	2008.00
21 Q5	1.00000	28.0000	27.0000	214.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - COMMERCIAL ACCOUNTS ONLY
REV#206 APR 28 '87 PAGE 7

COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

32 CASES (56.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
22 Q5A	27	5	15.6
23 Q5B	26	6	18.8
24 Q5C	12	20	62.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
22 Q5A	52.1852	29.3965	864.157	5.65737	56.3312
23 Q5B	49.6154	28.1483	792.326	5.52033	56.7330
24 Q5C	25.0833	25.8227	666.811	7.45436	102.948

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
22 Q5A	10.0000	100.000	90.0000	1409.00
23 Q5B	5.00000	100.000	95.0000	1290.00
24 Q5C	5.00000	100.000	95.0000	301.000



COMMAND: FREQ

SELECTION ON VAR 8 COMGOVT = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 22 Q5A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
10.0000	2	2	7.4	7.4	-1.43504
20.0000	3	5	11.1	18.5	-1.09486
25.0000	3	8	11.1	29.6	-0.924775
30.0000	1	9	3.7	33.3	-0.754687
33.0000	1	10	3.7	37.0	-0.652634
34.0000	1	11	3.7	40.7	-0.618616
40.0000	1	12	3.7	44.4	-0.414511
50.0000	3	15	11.1	55.6	-0.0743348
60.0000	1	16	3.7	59.3	0.265841
67.0000	2	18	7.4	66.7	0.503965
68.0000	1	19	3.7	70.4	0.537982
70.0000	1	20	3.7	74.1	0.606017
75.0000	2	22	7.4	81.5	0.776105
90.0000	1	23	3.7	85.2	1.28637
95.0000	1	24	3.7	88.9	1.45646
100.000	3	27	11.1	100.0	1.62655
TOTAL	27	27	100.0	100.0	

VARIABLE: 23 Q5B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	3.8	3.8	-1.58501
6.00000	1	2	3.8	7.7	-1.54949
10.0000	1	3	3.8	11.5	-1.40738
17.0000	1	4	3.8	15.4	-1.15870
20.0000	1	5	3.8	19.2	-1.05212
25.0000	1	6	3.8	23.1	-0.874490
30.0000	1	7	3.8	26.9	-0.696859
33.0000	3	10	11.5	38.5	-0.590280
40.0000	1	11	3.8	42.3	-0.341597
50.0000	4	15	15.4	57.7	0.0136639
55.0000	1	16	3.8	61.5	0.191295
60.0000	2	18	7.7	69.2	0.368925
66.0000	1	19	3.8	73.1	0.582082
67.0000	1	20	3.8	76.9	0.617608
70.0000	1	21	3.8	80.8	0.724187
80.0000	1	22	3.8	84.6	1.07945
90.0000	2	24	7.7	92.3	1.43471
100.000	2	26	7.7	100.0	1.78997
TOTAL	26	26	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - COMMERCIAL ACCOUNTS ONLY
REV#206

APR 28 '87 PAGE 9

COMMAND: FREQ

VARIABLE: 24 Q5C

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	2	2	16.7	16.7	-0.777740
8.00000	1	3	8.3	25.0	-0.661563
10.0000	2	5	16.7	41.7	-0.584112
20.0000	1	6	8.3	50.0	-0.196855
25.0000	2	8	16.7	66.7	-0.00322714
26.0000	1	9	8.3	75.0	0.0354985
33.0000	1	10	8.3	83.3	0.306578
34.0000	1	11	8.3	91.7	0.345304
100.000	1	12	8.3	100.0	2.90120
TOTAL	12	12	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - COMMERCIAL ACCOUNTS ONLY
REV#206 APR 28 '87 PAGE 10

COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

32 CASES (56.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
25 Q6A	31	1	3.1
26 Q6B	29	3	9.4
27 Q7	27	5	15.6

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
25 Q6A	9.06452	13.0816	171.129	2.34953	144.317
26 Q6B	65.1379	35.8596	1285.91	6.65896	55.0518
27 Q7	110.889	98.0001	9604.03	18.8601	88.3769

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
25 Q6A	1.00000	60.0000	59.0000	281.000
26 Q6B	5.00000	150.000	145.000	1889.00
27 Q7	30.0000	480.000	450.000	2994.00



ABSTAT 4.07
FILE: ZCR3

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COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

32 CASES (56.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
28 Q8A	32	0	0.0
29 Q8B	32	0	0.0
30 Q8C	30	2	6.3
31 Q8D	30	2	6.3
32 Q9	24	8	25.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
28 Q8A	7.68750	1.94169	3.77016	0.343246	25.2578
29 Q8B	6.71875	2.00378	4.01512	0.354221	29.8237
30 Q8C	8.60000	1.27577	1.62759	0.232922	14.8345
31 Q8D	7.60000	1.81184	3.28276	0.330795	23.8400
32 Q9	6.04167	2.38618	5.69384	0.487076	39.4953

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
28 Q8A	3.00000	10.0000	7.00000	246.000
29 Q8B	2.00000	10.0000	8.00000	215.000
30 Q8C	5.00000	10.0000	5.00000	258.000
31 Q8D	2.00000	10.0000	8.00000	228.000
32 Q9	1.00000	9.00000	8.00000	145.000



ABSTAT 4.07
FILE: ZCR3

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COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

32 CASES (56.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
33 Q10A	29	3	9.4
34 Q10B	19	13	40.6
35 Q10C	29	3	9.4
36 Q10D	28	4	12.5
37 Q10E	32	0	0.0
38 Q10F	28	4	12.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
33 Q10A	8.65517	0.973795	0.948276	0.180829	11.2510
34 Q10B	7.05263	1.74718	3.05263	0.400830	24.7734
35 Q10C	7.55172	1.93808	3.75616	0.359893	25.6641
36 Q10D	7.32143	2.29417	5.26323	0.433558	31.3350
37 Q10E	7.90625	1.39952	1.95867	0.247403	17.7015
38 Q10F	8.10714	1.22744	1.50661	0.231965	15.1403

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
33 Q10A	7.00000	10.0000	3.00000	251.000
34 Q10B	3.00000	10.0000	7.00000	134.000
35 Q10C	3.00000	10.0000	7.00000	219.000
36 Q10D	2.00000	10.0000	8.00000	205.000
37 Q10E	4.00000	10.0000	6.00000	253.000
38 Q10F	5.00000	10.0000	5.00000	227.000



ABSTAT 4.07
FILE: ZCR3

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COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

32 CASES (56.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
39 Q12A1	3	29	90.6
40 Q12A2	3	29	90.6
41 Q12A3	2	30	93.8
42 Q12A4	9	23	71.9
43 Q12B1	7	25	78.1
44 Q12B2	7	25	78.1
45 Q12B3	2	30	93.8
46 Q12B4	9	23	71.9
47 Q13A1	16	16	50.0
48 Q13A2	14	18	56.3
49 Q13A3	3	29	90.6
50 Q13A4	13	19	59.4
51 Q13B1	19	13	40.6
52 Q13B2	19	13	40.6
53 Q13B3	3	29	90.6
54 Q13B4	14	18	56.3

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
39 Q12A1	122.333	210.155	44165.3	121.333	171.789
40 Q12A2	157.000	185.914	34564.0	107.337	118.417
41 Q12A3	64.5000	48.7904	2380.50	34.5000	75.6440
42 Q12A4	13.7778	32.1239	1031.94	10.7080	233.157
43 Q12B1	54.8571	136.787	18710.8	51.7008	249.352
44 Q12B2	93.4286	129.085	16663.0	48.7896	138.164
45 Q12B3	94.5000	6.36396	40.5000	4.50000	6.73435
46 Q12B4	17.0000	32.1364	1032.75	10.7121	189.038
47 Q13A1	28.8125	89.9379	8088.83	22.4845	312.149
48 Q13A2	46.5000	97.9268	9589.65	26.1720	210.595
49 Q13A3	45.3333	47.8783	2292.33	27.6426	105.614
50 Q13A4	29.2308	52.5581	2762.36	14.5770	179.804
51 Q13B1	94.9474	111.425	12415.5	25.5626	117.354
52 Q13B2	111.737	125.624	15781.4	28.8202	112.429
53 Q13B3	123.000	49.5681	2457.00	28.6182	40.2993
54 Q13B4	66.0714	73.3165	5375.30	19.5946	110.965

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
39 Q12A1	1.00000	365.000	364.000	367.000
40 Q12A2	7.00000	365.000	358.000	471.000
41 Q12A3	30.0000	99.0000	69.0000	129.000
42 Q12A4	1.00000	99.0000	98.0000	124.000
43 Q12B1	1.00000	365.000	364.000	384.000



ABSTAT 4.07
FILE: ZCR3

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COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
44 Q12B2	1.00000	365.000	364.000	654.000
45 Q12B3	90.0000	99.0000	9.00000	189.000
46 Q12B4	1.00000	99.0000	98.0000	153.000
47 Q13A1	1.00000	365.000	364.000	461.000
48 Q13A2	1.00000	365.000	364.000	651.000
49 Q13A3	7.00000	99.0000	92.0000	136.000
50 Q13A4	1.00000	180.000	179.000	380.000
51 Q13B1	1.00000	365.000	364.000	1804.00
52 Q13B2	1.00000	365.000	364.000	2123.00
53 Q13B3	90.0000	180.000	90.0000	369.000
54 Q13B4	1.00000	180.000	179.000	925.000



COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

32 CASES (56.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
55 Q14A1	31	1	3.1
56 Q14A2	29	3	9.4
57 Q14A3	6	26	81.3
58 Q14A4	20	12	37.5
59 Q14B1	27	5	15.6
60 Q14B2	26	6	18.8
61 Q14B3	6	26	81.3
62 Q14B4	19	13	40.6
63 Q14C1	25	7	21.9
64 Q14C2	25	7	21.9
65 Q14C3	5	27	84.4
66 Q14C4	18	14	43.8

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
55 Q14A1	6.83871	2.11497	4.47312	0.379861	30.9265
56 Q14A2	7.44828	1.68154	2.82759	0.312255	22.5763
57 Q14A3	6.50000	3.27109	10.7000	1.33542	50.3244
58 Q14A4	7.90000	1.20961	1.46316	0.270477	15.3115
59 Q14B1	7.29630	2.12702	4.52422	0.409345	29.1521
60 Q14B2	7.38462	2.17397	4.72615	0.426351	29.4392
61 Q14B3	6.50000	3.39116	11.5000	1.38444	52.1718
62 Q14B4	7.78947	1.47494	2.17544	0.338374	18.9350
63 Q14C1	6.60000	2.30940	5.33333	0.461880	34.9909
64 Q14C2	6.48000	2.46847	6.09333	0.493694	38.0936
65 Q14C3	5.00000	3.08221	9.50000	1.37840	61.6441
66 Q14C4	7.38889	1.78684	3.19281	0.421163	24.1828

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
55 Q14A1	2.00000	10.0000	8.00000	212.000
56 Q14A2	3.00000	10.0000	7.00000	216.000
57 Q14A3	2.00000	10.0000	8.00000	39.0000
58 Q14A4	5.00000	10.0000	5.00000	158.000
59 Q14B1	1.00000	10.0000	9.00000	197.000
60 Q14B2	1.00000	10.0000	9.00000	192.000
61 Q14B3	2.00000	10.0000	8.00000	39.0000
62 Q14B4	3.00000	10.0000	7.00000	148.000
63 Q14C1	1.00000	10.0000	9.00000	165.000
64 Q14C2	1.00000	10.0000	9.00000	162.000
65 Q14C3	2.00000	10.0000	8.00000	25.0000
66 Q14C4	3.00000	10.0000	7.00000	133.000



COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

32 CASES (56.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
67 Q15A1	22	10	31.3
68 Q15A2	13	19	59.4
69 Q15A3	2	30	93.8
70 Q15A4	10	22	68.8
71 Q15B1	25	7	21.9
72 Q15B2	24	8	25.0
73 Q15B3	4	28	87.5
74 Q15B4	16	16	50.0
75 Q15C1	22	10	31.3
76 Q15C2	17	15	46.9
77 Q15C3	5	27	84.4
78 Q15C4	15	17	53.1
79 Q15D1	30	2	6.3
80 Q15D2	27	5	15.6
81 Q15D3	4	28	87.5
82 Q15D4	15	17	53.1
83 Q15E1	25	7	21.9
84 Q15E2	17	15	46.9
85 Q15E3	4	28	87.5
86 Q15E4	16	16	50.0

VARIABLE	MEAN	STD. DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
67 Q15A1	7.59091	1.22121	1.49134	0.260362	16.0877
68 Q15A2	7.46154	1.45002	2.10256	0.402164	19.4333
69 Q15A3	8.00000	0.00000	0.00000	0.00000	0.00000
70 Q15A4	7.20000	1.22927	1.51111	0.388730	17.0732
71 Q15B1	7.24000	1.09087	1.19000	0.218174	15.0673
72 Q15B2	7.70833	0.999094	0.998188	0.203939	12.9612
73 Q15B3	7.25000	2.36291	5.58333	1.18145	32.5918
74 Q15B4	6.87500	1.40831	1.98333	0.352077	20.4845
75 Q15C1	7.18182	1.91824	3.67965	0.408971	26.7097
76 Q15C2	6.76471	2.35927	5.56618	0.572208	34.8762
77 Q15C3	5.40000	3.50714	12.3000	1.56844	64.9470
78 Q15C4	7.33333	1.63299	2.66667	0.421637	22.2681
79 Q15D1	7.53333	1.81437	3.29195	0.331258	24.0846
80 Q15D2	7.48148	2.06380	4.25926	0.397178	27.5854
81 Q15D3	7.50000	2.08167	4.33333	1.04083	27.7555
82 Q15D4	6.40000	2.61315	6.82857	0.674713	40.8305
83 Q15E1	7.92000	1.32035	1.74333	0.264071	16.6711
84 Q15E2	7.52941	2.15400	4.63971	0.522421	28.6078
85 Q15E3	8.25000	1.25831	1.58333	0.629153	15.2522
86 Q15E4	8.25000	1.000000	1.000000	0.250000	12.1212



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - COMMERCIAL ACCOUNTS ONLY
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COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
67 Q15A1	6.00000	10.0000	4.00000	167.000
68 Q15A2	5.00000	10.0000	5.00000	97.0000
69 Q15A3	8.00000	8.00000	0.00000	16.0000
70 Q15A4	5.00000	9.00000	4.00000	72.0000
71 Q15B1	5.00000	9.00000	4.00000	181.000
72 Q15B2	5.00000	9.00000	4.00000	185.000
73 Q15B3	4.00000	9.00000	5.00000	29.0000
74 Q15B4	5.00000	9.00000	4.00000	110.000
75 Q15C1	3.00000	10.0000	7.00000	158.000
76 Q15C2	1.00000	9.00000	8.00000	115.000
77 Q15C3	2.00000	9.00000	7.00000	27.0000
78 Q15C4	3.00000	9.00000	6.00000	110.000
79 Q15D1	2.00000	10.0000	8.00000	226.000
80 Q15D2	2.00000	10.0000	8.00000	202.000
81 Q15D3	5.00000	10.0000	5.00000	30.0000
82 Q15D4	1.00000	10.0000	9.00000	96.0000
83 Q15E1	4.00000	10.0000	6.00000	198.000
84 Q15E2	1.00000	10.0000	9.00000	128.000
85 Q15E3	7.00000	10.0000	3.00000	33.0000
86 Q15E4	7.00000	10.0000	3.00000	132.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - COMMERCIAL ACCOUNTS ONLY
REV#206 APR 28 '87 PAGE 18

COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

32 CASES (56.1%) ARE IN THIS SUBSET

31 CASES (96.9%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
87 Q16	7.93548	1.63168	2.66237	0.293058	20.5618

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
87 Q16	3.00000	10.0000	7.00000	246.000



COMMAND: FREQ

SELECTION ON VAR 8 COMGOVT = 1.00000 THRU 1.00000
 MISSING VALUE TREATMENT: VARWISE

VARIABLE: 88 Q17

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	8	8	29.6	29.6	-1.26855
2.00000	13	21	48.1	77.8	0.101484
3.00000	6	27	22.2	100.0	1.47152
TOTAL	27	27	100.0	100.0	

VARIABLE: 89 Q18A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	10	10	33.3	33.3	-1.39044
2.00000	20	30	66.7	100.0	0.695222
TOTAL	30	30	100.0	100.0	

VARIABLE: 90 Q18B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	5	5	55.6	55.6	-0.843274
2.00000	4	9	44.4	100.0	1.05409
TOTAL	9	9	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - COMMERCIAL ACCOUNTS ONLY
REV#206 APR 28 '87 PAGE 20

COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

32 CASES (56.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
91 Q20A	32	0	0.0
92 Q20B	25	7	21.9
93 Q20C	32	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
91 Q20A	7.34375	1.89412	3.58770	0.334837	25.7923
92 Q20B	7.40000	1.91485	3.66667	0.382971	25.8764
93 Q20C	7.81250	1.87406	3.51210	0.331290	23.9880

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
91 Q20A	4.00000	10.0000	6.00000	235.000
92 Q20B	2.00000	10.0000	8.00000	185.000
93 Q20C	1.00000	10.0000	9.00000	250.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - COMMERCIAL ACCOUNTS ONLY
REV#206 APR 28 '87 PAGE 21

COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

32 CASES (56.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
94 Q20D1	3	29	90.6
95 Q20D2	13	19	59.4
96 Q20D3	27	5	15.6

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
94 Q20D1	66.3333	56.5803	3201.33	32.6667	85.2970
95 Q20D2	1.61538	1.38675	1.92308	0.384615	85.8465
96 Q20D3	10.2593	18.1375	328.969	3.49056	176.791

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
94 Q20D1	1.00000	99.0000	98.0000	199.000
95 Q20D2	1.00000	6.00000	5.00000	21.0000
96 Q20D3	1.00000	99.0000	98.0000	277.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - COMMERCIAL ACCOUNTS ONLY
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COMMAND: FREQ

SELECTION ON VAR 8 COMGOVT = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 97 Q20E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	27	27	84.4	84.4	-0.423554
2.00000	5	32	15.6	100.0	2.28719
TOTAL	32	32	100.0	100.0	

VARIABLE: 98 Q20F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	25	25	78.1	78.1	-0.520817
2.00000	7	32	21.9	100.0	1.86006
TOTAL	32	32	100.0	100.0	

VARIABLE: 99 Q21A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	19	19	59.4	59.4	-0.814143
2.00000	13	32	40.6	100.0	1.18990
TOTAL	32	32	100.0	100.0	

VARIABLE: 100 Q22A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	16	16	59.3	59.3	-0.813657
2.00000	11	27	40.7	100.0	1.18350
TOTAL	27	27	100.0	100.0	

VARIABLE: 101 Q22B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	21	21	67.7	67.7	-0.678844
2.00000	10	31	32.3	100.0	1.42557
TOTAL	31	31	100.0	100.0	

VARIABLE: 102 Q24A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	23	23	82.1	82.1	-0.457851



2.00000	5	28	17.9	100.0	2.10611
TOTAL	28	28	100.0	100.0	

the same species. The authors also found that the number of species per sample was not related to the number of individuals per sample.

There is a need to develop a standardized methodology for the study of the diversity of the ichthyoplankton in the Amazon basin.

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ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - COMMERCIAL ACCOUNTS ONLY
REV#206 APR 28 '87 PAGE 23

COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

32 CASES (56.1%) ARE IN THIS SUBSET

29 CASES (90.6%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
103 Q24B	7.44828	1.42894	2.04187	0.265348	19.1849

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
103 Q24B	3.00000	10.0000	7.00000	216.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - COMMERCIAL ACCOUNTS ONLY
REV#206 APR 28 '87 PAGE 24

COMMAND: FREQ

SELECTION ON VAR 8 COMGOVT = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 104 Q26A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	24	24	77.4	77.4	-0.519502
2.00000	1	25	3.2	80.6	0.719310
3.00000	6	31	19.4	100.0	1.95812
TOTAL	31	31	100.0	100.0	





ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - GOVERNMENT ACCOUNTS ONLY
REV#206

APR 28 '87 PAGE 1

COMMAND: FREQ

SELECTION ON VAR 8 COMGOVT = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 9 Q1D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	3	3	12.5	12.5	-2.59005
2.00000	21	24	87.5	100.0	0.370006
TOTAL	24	24	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - GOVERNMENT ACCOUNTS ONLY
REV#206

APR 28 '87 PAGE 2

COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

25 CASES (43.9%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
10 Q2A	25	0	0.0
11 Q2B	25	0	0.0
12 Q2C1	25	0	0.0
13 Q2C2	25	0	0.0
14 Q2C3	25	0	0.0
15 Q2C4	25	0	0.0
16 Q2D	24	1	4.0
17 Q2E	25	0	0.0
18 Q2F	24	1	4.0
19 Q2G	25	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
10 Q2A	9.24000	0.778888	0.606667	0.155778	8.42952
11 Q2B	8.28000	1.72047	2.96000	0.344093	20.7786
12 Q2C1	7.40000	2.36291	5.58333	0.472582	31.9312
13 Q2C2	7.68000	2.35797	5.56000	0.471593	30.7027
14 Q2C3	5.88000	2.40347	5.77667	0.480694	40.8753
15 Q2C4	6.80000	2.66145	7.08333	0.532291	39.1390
16 Q2D	7.58333	2.43018	5.90580	0.496059	32.0464
17 Q2E	6.00000	2.72336	7.41667	0.544671	45.3893
18 Q2F	7.29167	1.48848	2.21558	0.303835	20.4135
19 Q2G	7.64000	2.01825	4.07333	0.403650	26.4169

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
10 Q2A	8.00000	10.0000	2.00000	231.000
11 Q2B	4.00000	10.0000	6.00000	207.000
12 Q2C1	1.00000	10.0000	9.00000	185.000
13 Q2C2	1.00000	10.0000	9.00000	192.000
14 Q2C3	1.00000	10.0000	9.00000	147.000
15 Q2C4	1.00000	10.0000	9.00000	170.000
16 Q2D	1.00000	10.0000	9.00000	182.000
17 Q2E	1.00000	10.0000	9.00000	150.000
18 Q2F	5.00000	10.0000	5.00000	175.000
19 Q2G	4.00000	10.0000	6.00000	191.000



COMMAND: FREQ

SELECTION ON VAR 8 COMGOVT = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 10 Q2A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
8.00000	5	5	20.0	20.0	-1.59201
9.00000	9	14	36.0	56.0	-0.308132
10.0000	11	25	44.0	100.0	0.975750
TOTAL	25	25	100.0	100.0	

VARIABLE: 11 Q2B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	1	1	4.0	4.0	-2.48770
5.00000	2	3	8.0	12.0	-1.90646
7.00000	4	7	16.0	28.0	-0.743985
8.00000	4	11	16.0	44.0	-0.162747
9.00000	7	18	28.0	72.0	0.418491
10.0000	7	25	28.0	100.0	0.999730
TOTAL	25	25	100.0	100.0	

VARIABLE: 12 Q2C1

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	8.0	8.0	-2.70853
5.00000	2	4	8.0	16.0	-1.01570
6.00000	2	6	8.0	24.0	-0.592490
7.00000	2	8	8.0	32.0	-0.169283
8.00000	9	17	36.0	68.0	0.253924
9.00000	5	22	20.0	88.0	0.677132
10.0000	3	25	12.0	100.0	1.10034
TOTAL	25	25	100.0	100.0	

VARIABLE: 13 Q2C2

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	8.0	8.0	-2.83295
6.00000	3	5	12.0	20.0	-0.712479
7.00000	2	7	8.0	28.0	-0.288384
8.00000	9	16	36.0	64.0	0.135710
9.00000	4	20	16.0	80.0	0.559805
10.0000	5	25	20.0	100.0	0.983899
TOTAL	25	25	100.0	100.0	



COMMAND: FREQ

VARIABLE: 14 Q2C3

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	8.0	8.0	-2.03040
2.00000	1	3	4.0	12.0	-1.61433
3.00000	1	4	4.0	16.0	-1.19827
4.00000	3	7	12.0	28.0	-0.782202
5.00000	2	9	8.0	36.0	-0.366137
6.00000	4	13	16.0	52.0	0.0499278
7.00000	5	18	20.0	72.0	0.465993
8.00000	5	23	20.0	92.0	0.882058
9.00000	1	24	4.0	96.0	1.29812
10.0000	1	25	4.0	100.0	1.71419
TOTAL	25	25	100.0	100.0	

VARIABLE: 15 Q2C4

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	8.0	8.0	-2.17926
2.00000	1	3	4.0	12.0	-1.80353
3.00000	1	4	4.0	16.0	-1.42779
5.00000	2	6	8.0	24.0	-0.676322
6.00000	3	9	12.0	36.0	-0.300588
7.00000	3	12	12.0	48.0	0.0751469
8.00000	5	17	20.0	68.0	0.450881
9.00000	6	23	24.0	92.0	0.826616
10.0000	2	25	8.0	100.0	1.20235
TOTAL	25	25	100.0	100.0	

VARIABLE: 16 Q2D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	8.3	8.3	-2.70898
5.00000	1	3	4.2	12.5	-1.06302
6.00000	1	4	4.2	16.7	-0.651528
7.00000	5	9	20.8	37.5	-0.240037
8.00000	6	15	25.0	62.5	0.171455
9.00000	4	19	16.7	79.2	0.582946
10.0000	5	24	20.8	100.0	0.994437
TOTAL	24	24	100.0	100.0	

VARIABLE: 17 Q2E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	3	3	12.0	12.0	-1.83597
3.00000	2	5	8.0	20.0	-1.10158
4.00000	3	8	12.0	32.0	-0.734388



5.00000

2

10

8.0

40.0

-0.367194



COMMAND: FREQ

VARIABLE: 17 Q2E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
7.00000	6	16	24.0	64.0	0.367194
8.00000	6	22	24.0	88.0	0.734388
9.00000	1	23	4.0	92.0	1.10158
10.0000	2	25	8.0	100.0	1.46878
TOTAL	25	25	100.0	100.0	

VARIABLE: 18 Q2F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	4	4	16.7	16.7	-1.53960
6.00000	3	7	12.5	29.2	-0.867774
7.00000	5	12	20.8	50.0	-0.195949
8.00000	8	20	33.3	83.3	0.475876
9.00000	2	22	8.3	91.7	1.14770
10.0000	2	24	8.3	100.0	1.81953
TOTAL	24	24	100.0	100.0	

VARIABLE: 19 Q2G

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	1	1	4.0	4.0	-1.80354
5.00000	6	7	24.0	28.0	-1.30806
7.00000	3	10	12.0	40.0	-0.317106
8.00000	5	15	20.0	60.0	0.178372
9.00000	4	19	16.0	76.0	0.673851
10.0000	6	25	24.0	100.0	1.16933
TOTAL	25	25	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - GOVERNMENT ACCOUNTS ONLY
REV#206

APR 28 '87 PAGE 6

COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

25 CASES (43.9%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
20 Q4	25	0	0.0
21 Q5	24	1	4.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
20 Q4	81.3200	22.7023	515.393	4.54046	27.9172
21 Q5	7.33333	5.77601	33.3623	1.17902	78.7638

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
20 Q4	5.00000	100.000	95.0000	2033.00
21 Q5	1.00000	20.0000	19.0000	176.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - GOVERNMENT ACCOUNTS ONLY
REV#206

APR 28 '87 PAGE 7

COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

25 CASES (43.9%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
22 Q5A	24	1	4.0
23 Q5B	22	3	12.0
24 Q5C	13	12	48.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
22 Q5A	49.7500	24.6299	606.630	5.02755	49.5073
23 Q5B	39.7273	20.1475	405.922	4.29546	50.7146
24 Q5C	25.5385	21.2509	451.603	5.89395	83.2115

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
22 Q5A	3.00000	98.0000	95.0000	1194.00
23 Q5B	6.00000	80.0000	74.0000	874.000
24 Q5C	2.00000	75.0000	73.0000	332.000



COMMAND: FREQ

SELECTION ON VAR 8 COMGOVT = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 22 Q5A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
3.00000	1	1	4.2	4.2	-1.89810
20.0000	2	3	8.3	12.5	-1.20788
25.0000	3	6	12.5	25.0	-1.00488
30.0000	1	7	4.2	29.2	-0.801872
33.0000	2	9	8.3	37.5	-0.680069
43.0000	1	10	4.2	41.7	-0.274057
47.0000	1	11	4.2	45.8	-0.111653
50.0000	3	14	12.5	58.3	0.0101503
60.0000	1	15	4.2	62.5	0.416161
63.0000	1	16	4.2	66.7	0.537965
66.0000	1	17	4.2	70.8	0.659768
67.0000	1	18	4.2	75.0	0.700369
71.0000	1	19	4.2	79.2	0.862774
75.0000	3	22	12.5	91.7	1.02518
90.0000	1	23	4.2	95.8	1.63419
98.0000	1	24	4.2	100.0	1.95900
TOTAL	24	24	100.0	100.0	

VARIABLE: 23 Q5B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	1	1	4.5	4.5	-1.67402
10.0000	1	2	4.5	9.1	-1.47548
18.0000	1	3	4.5	13.6	-1.07841
20.0000	1	4	4.5	18.2	-0.979142
25.0000	2	6	9.1	27.3	-0.730972
27.0000	1	7	4.5	31.8	-0.631705
33.0000	2	9	9.1	40.9	-0.333901
34.0000	1	10	4.5	45.5	-0.284267
36.0000	1	11	4.5	50.0	-0.184999
37.0000	1	12	4.5	54.5	-0.135365
40.0000	1	13	4.5	59.1	0.0135365
43.0000	1	14	4.5	63.6	0.162438
47.0000	1	15	4.5	68.2	0.360974
50.0000	3	18	13.6	81.8	0.509876
60.0000	1	19	4.5	86.4	1.00622
75.0000	2	21	9.1	95.5	1.75072
80.0000	1	22	4.5	100.0	1.99889
TOTAL	22	22	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - GOVERNMENT ACCOUNTS ONLY
REV#206

APR 28 '87 PAGE 9

COMMAND: FREQ

VARIABLE: 24 Q5C

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	7.7	7.7	-1.10764
5.00000	1	2	7.7	15.4	-0.966473
7.00000	1	3	7.7	23.1	-0.872359
10.0000	1	4	7.7	30.8	-0.731189
14.0000	1	5	7.7	38.5	-0.542962
15.0000	1	6	7.7	46.2	-0.495906
17.0000	1	7	7.7	53.8	-0.401792
23.0000	1	8	7.7	61.5	-0.119452
34.0000	1	9	7.7	69.2	0.398172
40.0000	2	11	15.4	84.6	0.680513
50.0000	1	12	7.7	92.3	1.15108
75.0000	1	13	7.7	100.0	2.32750
TOTAL	13	13	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - GOVERNMENT ACCOUNTS ONLY
REV#206

APR 28 '87 PAGE 10

COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

25 CASES (43.9%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
25 Q6A	23	2	8.0
26 Q6B	22	3	12.0
27 Q7	19	6	24.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
25 Q6A	8.17391	12.9181	166.877	2.69361	158.041
26 Q6B	48.1364	24.1765	584.504	5.15445	50.2251
27 Q7	90.9474	65.7601	4324.39	15.0864	72.3056

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
25 Q6A	1.00000	60.0000	59.0000	188.000
26 Q6B	5.00000	120.000	115.000	1059.00
27 Q7	15.0000	240.000	225.000	1728.00



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - GOVERNMENT ACCOUNTS ONLY
REV#206 APR 28 '87 PAGE 11

COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

25 CASES (43.9%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
28 Q8A	24	1	4.0
29 Q8B	25	0	0.0
30 Q8C	24	1	4.0
31 Q8D	24	1	4.0
32 Q9	19	6	24.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
28 Q8A	7.91667	2.10417	4.42754	0.429512	26.5790
29 Q8B	6.60000	2.14087	4.58333	0.428174	32.4375
30 Q8C	9.20833	0.832971	0.693841	0.170029	9.04584
31 Q8D	8.04167	2.17654	4.73732	0.444284	27.0658
32 Q9	6.73684	2.23214	4.98246	0.512088	33.1334

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
28 Q8A	2.00000	10.0000	8.00000	190.000
29 Q8B	3.00000	10.0000	7.00000	165.000
30 Q8C	7.00000	10.0000	3.00000	221.000
31 Q8D	2.00000	10.0000	8.00000	193.000
32 Q9	1.00000	10.0000	9.00000	128.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - GOVERNMENT ACCOUNTS ONLY
REV#206 APR 28 '87 PAGE 12

COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

25 CASES (43.9%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
33 Q10A	23	2	8.0
34 Q10B	17	8	32.0
35 Q10C	23	2	8.0
36 Q10D	22	3	12.0
37 Q10E	24	1	4.0
38 Q10F	18	7	28.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
33 Q10A	8.65217	1.64064	2.69170	0.342097	18.9622
34 Q10B	7.76471	1.52190	2.31618	0.369115	19.6002
35 Q10C	8.13043	1.91417	3.66403	0.399131	23.5432
36 Q10D	7.90909	1.94958	3.80087	0.415652	24.6499
37 Q10E	8.70833	1.30148	1.69384	0.265663	14.9452
38 Q10F	8.55556	0.855585	0.732026	0.201663	10.0003

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
33 Q10A	3.00000	10.0000	7.00000	199.000
34 Q10B	4.00000	10.0000	6.00000	132.000
35 Q10C	3.00000	10.0000	7.00000	187.000
36 Q10D	2.00000	10.0000	8.00000	174.000
37 Q10E	6.00000	10.0000	4.00000	209.000
38 Q10F	7.00000	10.0000	3.00000	154.000



COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

25 CASES (43.9%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
39 Q12A1	3	22	88.0
40 Q12A2	3	22	88.0
41 Q12A3	2	23	92.0
42 Q12A4	2	23	92.0
43 Q12B1	4	21	84.0
44 Q12B2	4	21	84.0
45 Q12B3	2	23	92.0
46 Q12B4	2	23	92.0
47 Q13A1	10	15	60.0
48 Q13A2	16	9	36.0
49 Q13A3	4	21	84.0
50 Q13A4	7	18	72.0
51 Q13B1	14	11	44.0
52 Q13B2	17	8	32.0
53 Q13B3	5	20	80.0
54 Q13B4	6	19	76.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
39 Q12A1	3.00000	3.46410	12.0000	2.00000	115.470
40 Q12A2	1.33333	0.577350	0.333333	0.333333	43.3013
41 Q12A3	50.0000	69.2965	4802.00	49.0000	138.593
42 Q12A4	4.00000	4.24264	18.0000	3.00000	106.066
43 Q12B1	9.25000	9.94569	98.9167	4.97284	107.521
44 Q12B2	7.00000	9.52190	90.6667	4.76095	136.027
45 Q12B3	50.0000	69.2965	4802.00	49.0000	138.593
46 Q12B4	11.0000	14.1421	200.000	10.0000	128.565
47 Q13A1	16.5000	36.6917	1346.28	11.6029	222.374
48 Q13A2	36.3125	59.4337	3532.36	14.8584	163.673
49 Q13A3	55.7500	62.6598	3926.25	31.3299	112.394
50 Q13A4	33.2857	49.9357	2493.57	18.8739	150.021
51 Q13B1	50.7857	63.4401	4024.64	16.9551	124.917
52 Q13B2	68.1765	95.7544	9168.90	23.2239	140.451
53 Q13B3	59.4000	78.5958	6177.30	35.1491	132.316
54 Q13B4	45.3333	69.2002	4788.67	28.2509	152.647

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
39 Q12A1	1.00000	7.00000	6.00000	9.00000
40 Q12A2	1.00000	2.00000	1.00000	4.00000
41 Q12A3	1.00000	99.0000	98.0000	100.000
42 Q12A4	1.00000	7.00000	6.00000	8.00000
43 Q12B1	1.00000	21.0000	20.0000	37.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - GOVERNMENT ACCOUNTS ONLY
REV#206

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COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
44 Q12B2	1.00000	21.0000	20.0000	28.0000
45 Q12B3	1.00000	99.0000	98.0000	100.000
46 Q12B4	1.00000	21.0000	20.0000	22.0000
47 Q13A1	1.00000	120.000	119.000	165.000
48 Q13A2	1.00000	180.000	179.000	581.000
49 Q13A3	1.00000	120.000	119.000	223.000
50 Q13A4	2.00000	120.000	118.000	233.000
51 Q13B1	1.00000	180.000	179.000	711.000
52 Q13B2	1.00000	365.000	364.000	1159.00
53 Q13B3	1.00000	180.000	179.000	297.000
54 Q13B4	5.00000	180.000	175.000	272.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - GOVERNMENT ACCOUNTS ONLY
REV#206 APR 28 '87 PAGE 15

COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

25 CASES (43.9%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
55 Q14A1	22	3	12.0
56 Q14A2	23	2	8.0
57 Q14A3	7	18	72.0
58 Q14A4	13	12	48.0
59 Q14B1	19	6	24.0
60 Q14B2	21	4	16.0
61 Q14B3	7	18	72.0
62 Q14B4	9	16	64.0
63 Q14C1	18	7	28.0
64 Q14C2	21	4	16.0
65 Q14C3	6	19	76.0
66 Q14C4	8	17	68.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
55 Q14A1	7.68182	1.24924	1.56061	0.266339	16.2623
56 Q14A2	7.47826	1.67521	2.80632	0.349305	22.4010
57 Q14A3	7.00000	2.08167	4.33333	0.786796	29.7381
58 Q14A4	7.46154	1.61325	2.60256	0.447434	21.6208
59 Q14B1	7.94737	1.84010	3.38596	0.422148	23.1536
60 Q14B2	7.38095	1.65759	2.74762	0.361717	22.4577
61 Q14B3	6.71429	2.69037	7.23810	1.01686	40.0694
62 Q14B4	8.33333	0.866025	0.750000	0.288675	10.3923
63 Q14C1	7.22222	1.86470	3.47712	0.439515	25.8190
64 Q14C2	6.71429	1.84778	3.41429	0.403218	27.5201
65 Q14C3	6.50000	2.81069	7.90000	1.14746	43.2414
66 Q14C4	7.62500	1.59799	2.55357	0.564975	20.9572

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
55 Q14A1	6.00000	10.0000	4.00000	169.000
56 Q14A2	3.00000	10.0000	7.00000	172.000
57 Q14A3	3.00000	10.0000	7.00000	49.0000
58 Q14A4	4.00000	10.0000	6.00000	97.0000
59 Q14B1	3.00000	10.0000	7.00000	151.000
60 Q14B2	4.00000	10.0000	6.00000	155.000
61 Q14B3	1.00000	9.00000	8.00000	47.0000
62 Q14B4	7.00000	10.0000	3.00000	75.0000
63 Q14C1	4.00000	10.0000	6.00000	130.000
64 Q14C2	3.00000	9.00000	6.00000	141.000
65 Q14C3	1.00000	9.00000	8.00000	39.0000
66 Q14C4	5.00000	10.0000	5.00000	61.0000



COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

25 CASES (43.9%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
67 Q15A1	16	9	36.0
68 Q15A2	17	8	32.0
69 Q15A3	3	22	88.0
70 Q15A4	9	16	64.0
71 Q15B1	17	8	32.0
72 Q15B2	20	5	20.0
73 Q15B3	6	19	76.0
74 Q15B4	7	18	72.0
75 Q15C1	17	8	32.0
76 Q15C2	15	10	40.0
77 Q15C3	3	22	88.0
78 Q15C4	8	17	68.0
79 Q15D1	22	3	12.0
80 Q15D2	24	1	4.0
81 Q15D3	6	19	76.0
82 Q15D4	9	16	64.0
83 Q15E1	17	8	32.0
84 Q15E2	17	8	32.0
85 Q15E3	5	20	80.0
86 Q15E4	9	16	64.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
67 Q15A1	7.25000	1.84391	3.40000	0.460977	25.4332
68 Q15A2	7.64706	1.53872	2.36765	0.373193	20.1217
69 Q15A3	8.00000	2.00000	4.00000	1.15470	25.0000
70 Q15A4	7.00000	1.50000	2.25000	0.500000	21.4286
71 Q15B1	7.00000	2.20794	4.87500	0.535504	31.5420
72 Q15B2	8.10000	1.51831	2.30526	0.339504	18.7446
73 Q15B3	8.00000	1.09545	1.20000	0.447214	13.6931
74 Q15B4	7.57143	1.61835	2.61905	0.611678	21.3744
75 Q15C1	7.70588	1.82909	3.34559	0.443621	23.7363
76 Q15C2	8.06667	0.961150	0.923810	0.248168	11.9151
77 Q15C3	8.00000	1.00000	1.00000	0.577350	12.5000
78 Q15C4	7.25000	0.707107	0.500000	0.250000	9.75320
79 Q15D1	8.40909	1.43623	2.06277	0.306206	17.0795
80 Q15D2	8.25000	1.45213	2.10870	0.296416	17.6016
81 Q15D3	6.50000	3.72827	13.9000	1.52206	57.3580
82 Q15D4	7.55556	1.33333	1.77778	0.444444	17.6471
83 Q15E1	7.41176	2.29289	5.25735	0.556108	30.9358
84 Q15E2	7.82353	1.74052	3.02941	0.422138	22.2473
85 Q15E3	8.20000	1.09545	1.20000	0.489898	13.3591
86 Q15E4	8.00000	1.22474	1.50000	0.408248	15.3093



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - GOVERNMENT ACCOUNTS ONLY
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COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
67 Q15A1	4.00000	9.00000	5.00000	116.000
68 Q15A2	5.00000	10.0000	5.00000	130.000
69 Q15A3	6.00000	10.0000	4.00000	24.0000
70 Q15A4	4.00000	8.00000	4.00000	63.0000
71 Q15B1	1.00000	10.0000	9.00000	119.000
72 Q15B2	5.00000	10.0000	5.00000	162.000
73 Q15B3	7.00000	10.0000	3.00000	48.0000
74 Q15B4	5.00000	10.0000	5.00000	53.0000
75 Q15C1	3.00000	10.0000	7.00000	131.000
76 Q15C2	7.00000	10.0000	3.00000	121.000
77 Q15C3	7.00000	9.00000	2.00000	24.0000
78 Q15C4	6.00000	8.00000	2.00000	58.0000
79 Q15D1	4.00000	10.0000	6.00000	185.000
80 Q15D2	4.00000	10.0000	6.00000	198.000
81 Q15D3	1.00000	10.0000	9.00000	39.0000
82 Q15D4	6.00000	10.0000	4.00000	68.0000
83 Q15E1	2.00000	10.0000	8.00000	126.000
84 Q15E2	2.00000	10.0000	8.00000	133.000
85 Q15E3	7.00000	10.0000	3.00000	41.0000
86 Q15E4	6.00000	10.0000	4.00000	72.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - GOVERNMENT ACCOUNTS ONLY
REV#206 APR 28 '87 PAGE 18

COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

25 CASES (43.9%) ARE IN THIS SUBSET

25 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
87 Q16	8.16000	1.70000	2.89000	0.340000	20.8333

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
87 Q16	3.00000	10.0000	7.00000	204.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - GOVERNMENT ACCOUNTS ONLY
REV#206 APR 28 '87 PAGE 19

COMMAND: FREQ

SELECTION ON VAR 8 COMGOVT = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 88 Q17

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	9	9	39.1	39.1	-1.09560
2.00000	12	21	52.2	91.3	0.479325
3.00000	2	23	8.7	100.0	2.05425
TOTAL	23	23	100.0	100.0	

VARIABLE: 89 Q18A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	7	7	29.2	29.2	-1.52558
2.00000	17	24	70.8	100.0	0.628178
TOTAL	24	24	100.0	100.0	

VARIABLE: 90 Q18B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	5	5	83.3	83.3	-0.408248
2.00000	1	6	16.7	100.0	2.04124
TOTAL	6	6	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - GOVERNMENT ACCOUNTS ONLY
REV#206 APR 28 '87 PAGE 20

COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

25 CASES (43.9%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
91 Q20A	25	0	0.0
92 Q20B	23	2	8.0
93 Q20C	25	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
91 Q20A	8.32000	1.37598	1.89333	0.275197	16.5383
92 Q20B	8.26087	1.28691	1.65613	0.268338	15.5783
93 Q20C	8.76000	1.09087	1.19000	0.218174	12.4529

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
91 Q20A	3.00000	10.0000	7.00000	208.000
92 Q20B	4.00000	10.0000	6.00000	190.000
93 Q20C	7.00000	10.0000	3.00000	219.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - GOVERNMENT ACCOUNTS ONLY
REV#206 APR 28 '87 PAGE 21

COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

25 CASES (43.9%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
94 Q20D1	3	22	88.0
95 Q20D2	11	14	56.0
96 Q20D3	23	2	8.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
94 Q20D1	3.00000	2.64575	7.00000	1.52753	88.1917
95 Q20D2	1.27273	0.646670	0.418182	0.194978	50.8098
96 Q20D3	5.34783	4.71563	22.2372	0.983277	88.1784

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
94 Q20D1	1.00000	6.00000	5.00000	9.00000
95 Q20D2	1.00000	3.00000	2.00000	14.0000
96 Q20D3	1.00000	20.0000	19.0000	123.000



COMMAND: FREQ

SELECTION ON VAR 8 COMGOVT = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 97 Q20E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	23	23	92.0	92.0	-0.288926
2.00000	2	25	8.0	100.0	3.32265
TOTAL	25	25	100.0	100.0	

VARIABLE: 98 Q20F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	19	19	90.5	90.5	-0.316624
2.00000	2	21	9.5	100.0	3.00793
TOTAL	21	21	100.0	100.0	

VARIABLE: 99 Q21A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	16	16	64.0	64.0	-0.734847
2.00000	9	25	36.0	100.0	1.30639
TOTAL	25	25	100.0	100.0	

VARIABLE: 100 Q22A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	9	9	50.0	50.0	-0.971825
2.00000	9	18	50.0	100.0	0.971825
TOTAL	18	18	100.0	100.0	

VARIABLE: 101 Q22B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	13	13	59.1	59.1	-0.812920
2.00000	9	22	40.9	100.0	1.17422
TOTAL	22	22	100.0	100.0	

VARIABLE: 102 Q24A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	16	16	64.0	64.0	-0.734847



2.00000	9	25	36.0	100.0	1.30639
TOTAL	25	25	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - GOVERNMENT ACCOUNTS ONLY
REV#206 APR 28 '87 PAGE 23

COMMAND: DESC

SELECTION ON VAR 8 COMGOVT = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 104 VARIABLES AND 57 CASES IN THE DATA SET

25 CASES (43.9%) ARE IN THIS SUBSET

23 CASES (92.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
103 Q24B	7.34783	1.43364	2.05534	0.298936	19.5111

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
103 Q24B	3.00000	9.00000	6.00000	169.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - GOVERNMENT ACCOUNTS ONLY
REV#206 APR 28 '87 PAGE 24

COMMAND: FREQ

SELECTION ON VAR 8 COMGOVT = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 104 Q26A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	18	18	78.3	78.3	-0.502264
3.00000	3	21	13.0	91.3	1.42308
4.00000	2	23	8.7	100.0	2.38576
TOTAL	23	23	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - CENTRAL REGION
REV#206 APR 30 '87

PAGE 1

COMMAND: FREQ

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 10 Q1D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	3	3	27.3	27.3	-1.55700
2.00000	8	11	72.7	100.0	0.583874
TOTAL	11	11	100.0	100.0	



COMMAND: DESC

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
 MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

11 CASES (19.3%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
11 Q2A	11	0	0.0
12 Q2B	11	0	0.0
13 Q2C1	11	0	0.0
14 Q2C2	11	0	0.0
15 Q2C3	11	0	0.0
16 Q2C4	11	0	0.0
17 Q2D	11	0	0.0
18 Q2E	11	0	0.0
19 Q2F	10	1	9.1
20 Q2G	11	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
11 Q2A	8.90909	1.04447	1.09091	0.314918	11.7236
12 Q2B	8.54545	1.75292	3.07273	0.528525	20.5129
13 Q2C1	7.72727	1.48936	2.21818	0.449058	19.2740
14 Q2C2	8.09091	1.44600	2.09091	0.435985	17.8719
15 Q2C3	5.54545	2.50454	6.27273	0.755148	45.1639
16 Q2C4	6.90909	2.54773	6.49091	0.768168	36.8750
17 Q2D	7.90909	1.92117	3.69091	0.579256	24.2907
18 Q2E	6.36364	3.64068	13.2545	1.09771	57.2107
19 Q2F	7.50000	1.26930	1.61111	0.401386	16.9239
20 Q2G	8.27273	2.00454	4.01818	0.604392	24.2307

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
11 Q2A	7.00000	10.0000	3.00000	98.0000
12 Q2B	5.00000	10.0000	5.00000	94.0000
13 Q2C1	5.00000	10.0000	5.00000	85.0000
14 Q2C2	6.00000	10.0000	4.00000	89.0000
15 Q2C3	2.00000	10.0000	8.00000	61.0000
16 Q2C4	2.00000	10.0000	8.00000	76.0000
17 Q2D	5.00000	10.0000	5.00000	87.0000
18 Q2E	1.00000	10.0000	9.00000	70.0000
19 Q2F	6.00000	10.0000	4.00000	75.0000
20 Q2G	5.00000	10.0000	5.00000	91.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - CENTRAL REGION
REV#206

APR 30 '87

PAGE 3

COMMAND: FREQ

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 11 Q2A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
7.00000	1	1	9.1	9.1	-1.82782
8.00000	3	4	27.3	36.4	-0.870388
9.00000	3	7	27.3	63.6	0.0870388
10.0000	4	11	36.4	100.0	1.04447
TOTAL	11	11	100.0	100.0	

VARIABLE: 12 Q2B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	9.1	9.1	-2.02260
7.00000	3	4	27.3	36.4	-0.881646
9.00000	2	6	18.2	54.5	0.259308
10.0000	5	11	45.5	100.0	0.829784
TOTAL	11	11	100.0	100.0	

VARIABLE: 13 Q2C1

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	9.1	9.1	-1.83118
6.00000	1	2	9.1	18.2	-1.15974
7.00000	3	5	27.3	45.5	-0.488314
8.00000	2	7	18.2	63.6	0.183118
9.00000	3	10	27.3	90.9	0.854549
10.0000	1	11	9.1	100.0	1.52598
TOTAL	11	11	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 14 Q2C2

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	2	2	18.2	18.2	-1.44600
7.00000	2	4	18.2	36.4	-0.754434
8.00000	2	6	18.2	54.5	-0.0628695
9.00000	3	9	27.3	81.8	0.628695
10.0000	2	11	18.2	100.0	1.32026
TOTAL	11	11	100.0	100.0	

VARIABLE: 15 Q2C3

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	9.1	9.1	-1.41561
3.00000	2	3	18.2	27.3	-1.01634
4.00000	2	5	18.2	45.5	-0.617061
6.00000	1	6	9.1	54.5	0.181489
7.00000	3	9	27.3	81.8	0.580763
8.00000	1	10	9.1	90.9	0.980038
10.0000	1	11	9.1	100.0	1.77859
TOTAL	11	11	100.0	100.0	

VARIABLE: 16 Q2C4

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	9.1	9.1	-1.92685
3.00000	1	2	9.1	18.2	-1.53434
6.00000	2	4	18.2	36.4	-0.356824
7.00000	2	6	18.2	54.5	0.0356824
8.00000	1	7	9.1	63.6	0.428189
9.00000	3	10	27.3	90.9	0.820696
10.0000	1	11	9.1	100.0	1.21320
TOTAL	11	11	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - CENTRAL REGION
REV#206

APR 30 '87

PAGE 5

COMMAND: FREQ

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 17 Q2D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	2	2	18.2	18.2	-1.51423
6.00000	1	3	9.1	27.3	-0.993711
7.00000	1	4	9.1	36.4	-0.473196
8.00000	2	6	18.2	54.5	0.0473196
9.00000	2	8	18.2	72.7	0.567835
10.0000	3	11	27.3	100.0	1.08835
TOTAL	11	11	100.0	100.0	

VARIABLE: 18 Q2E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	9.1	9.1	-1.47325
2.00000	1	2	9.1	18.2	-1.19858
3.00000	2	4	18.2	36.4	-0.923904
5.00000	1	5	9.1	45.5	-0.374555
7.00000	1	6	9.1	54.5	0.174793
9.00000	1	7	9.1	63.6	0.724141
10.0000	4	11	36.4	100.0	0.998815
TOTAL	11	11	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 19 Q2F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	2	2	20.0	20.0	-1.18176
7.00000	4	6	40.0	60.0	-0.393919
8.00000	2	8	20.0	80.0	0.393919
9.00000	1	9	10.0	90.0	1.18176
10.0000	1	10	10.0	100.0	1.96960
TOTAL	10	10	100.0	100.0	

VARIABLE: 20 Q2G

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	2	2	18.2	18.2	-1.63266
7.00000	2	4	18.2	36.4	-0.634922
8.00000	1	5	9.1	45.5	-0.136055
9.00000	1	6	9.1	54.5	0.362813
10.0000	5	11	45.5	100.0	0.861680
TOTAL	11	11	100.0	100.0	



COMMAND: DESC

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

11 CASES (19.3%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
21 Q4	11	0	0.0
22 Q5	10	1	9.1
23 Q5A	10	1	9.1
24 Q5B	10	1	9.1
25 Q5C	8	3	27.3

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
21 Q4	74.9091	21.8699	478.291	6.59401	29.1952
22 Q5	7.80000	5.90292	34.8444	1.86667	75.6784
23 Q5A	46.4000	19.5800	383.378	6.19175	42.1984
24 Q5B	38.4000	15.6716	245.600	4.95580	40.8115
25 Q5C	19.0000	12.8285	164.571	4.53557	67.5186

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
21 Q4	40.0000	100.000	60.0000	824.000
22 Q5	1.00000	19.0000	18.0000	78.0000
23 Q5A	20.0000	75.0000	55.0000	464.000
24 Q5B	18.0000	70.0000	52.0000	384.000
25 Q5C	5.00000	40.0000	35.0000	152.000



COMMAND: FREQ

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 23 Q5A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
20.0000	1	1	10.0	10.0	-1.34831
25.0000	1	2	10.0	20.0	-1.09295
33.0000	2	4	20.0	40.0	-0.684371
43.0000	1	5	10.0	50.0	-0.173646
47.0000	1	6	10.0	60.0	0.0306435
50.0000	1	7	10.0	70.0	0.183861
63.0000	1	8	10.0	80.0	0.847802
75.0000	2	10	20.0	100.0	1.46067
TOTAL	10	10	100.0	100.0	

VARIABLE: 24 Q5B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
18.0000	1	1	10.0	10.0	-1.30172
20.0000	1	2	10.0	20.0	-1.17410
27.0000	1	3	10.0	30.0	-0.727429
33.0000	1	4	10.0	40.0	-0.344572
36.0000	1	5	10.0	50.0	-0.153143
37.0000	1	6	10.0	60.0	-0.0893334
43.0000	1	7	10.0	70.0	0.293524
50.0000	2	9	20.0	90.0	0.740191
70.0000	1	10	10.0	100.0	2.01638
TOTAL	10	10	100.0	100.0	

VARIABLE: 25 Q5C

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	12.5	12.5	-1.09132
7.00000	1	2	12.5	25.0	-0.935414
10.0000	1	3	12.5	37.5	-0.701561
14.0000	1	4	12.5	50.0	-0.389756
17.0000	1	5	12.5	62.5	-0.155902
25.0000	1	6	12.5	75.0	0.467707
34.0000	1	7	12.5	87.5	1.16927
40.0000	1	8	12.5	100.0	1.63698
TOTAL	8	8	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - CENTRAL REGION
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COMMAND: DESC

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

11 CASES (19.3%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
26 Q6A	10	1	9.1
27 Q6B	9	2	18.2
28 Q7	9	2	18.2

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
26 Q6A	5.00000	4.59468	21.1111	1.45297	91.8937
27 Q6B	38.2222	22.4376	503.444	7.47919	58.7029
28 Q7	91.2222	88.6902	7865.94	29.5634	97.2243

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
26 Q6A	1.00000	15.0000	14.0000	50.0000
27 Q6B	20.0000	90.0000	70.0000	344.000
28 Q7	15.0000	240.000	225.000	821.000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - CENTRAL REGION
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COMMAND: DESC

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

11 CASES (19.3%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
29 Q8A	11	0	0.0
30 Q8B	11	0	0.0
31 Q8C	10	1	9.1
32 Q8D	10	1	9.1
33 Q9	9	2	18.2

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
29 Q8A	7.54545	2.73363	7.47273	0.824220	36.2288
30 Q8B	6.81818	2.04050	4.16364	0.615234	29.9273
31 Q8C	9.30000	0.823273	0.677778	0.260342	8.85239
32 Q8D	6.90000	2.96086	8.76667	0.936305	42.9110
33 Q9	6.66667	2.82843	8.00000	0.942809	42.4264

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
29 Q8A	2.00000	10.0000	8.00000	83.0000
30 Q8B	4.00000	9.00000	5.00000	75.0000
31 Q8C	8.00000	10.0000	2.00000	93.0000
32 Q8D	2.00000	10.0000	8.00000	69.0000
33 Q9	1.00000	10.0000	9.00000	60.0000

COMMAND: DESC

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

11 CASES (19.3%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
34 Q10A	11	0	0.0
35 Q10B	7	4	36.4
36 Q10C	10	1	9.1
37 Q10D	9	2	18.2
38 Q10E	11	0	0.0
39 Q10F	9	2	18.2

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
34 Q10A	8.63636	2.01359	4.05455	0.607120	23.3153
35 Q10B	8.28571	1.11270	1.23810	0.420560	13.4291
36 Q10C	8.20000	2.20101	4.84444	0.696020	26.8416
37 Q10D	7.33333	2.73861	7.50000	0.912871	37.3447
38 Q10E	8.27273	1.48936	2.21818	0.449058	18.0032
39 Q10F	8.66667	1.11803	1.25000	0.372678	12.9004

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
34 Q10A	3.00000	10.0000	7.00000	95.0000
35 Q10B	7.00000	10.0000	3.00000	58.0000
36 Q10C	3.00000	10.0000	7.00000	82.0000
37 Q10D	2.00000	10.0000	8.00000	66.0000
38 Q10E	6.00000	10.0000	4.00000	91.0000
39 Q10F	7.00000	10.0000	3.00000	78.0000

COMMAND: DESC

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

11 CASES (19.3%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
40 Q12A1	1	10	90.9
41 Q12A2	0	11	100.0
42 Q12A3	0	11	100.0
43 Q12A4	2	9	81.8
44 Q12B1	2	9	81.8
45 Q12B2	2	9	81.8
46 Q12B3	0	11	100.0
47 Q12B4	2	9	81.8

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
40 Q12A1	1.00000	0.00000	0.00000	0.00000	0.00000
41 Q12A2	0.00000	0.00000	0.00000	0.00000	0.00000
42 Q12A3	0.00000	0.00000	0.00000	0.00000	0.00000
43 Q12A4	2.00000	1.41421	2.00000	1.00000	70.7107
44 Q12B1	4.00000	4.24264	18.0000	3.00000	106.066
45 Q12B2	60.5000	84.1457	7080.50	59.5000	139.084
46 Q12B3	0.00000	0.00000	0.00000	0.00000	0.00000
47 Q12B4	5.00000	2.82843	8.00000	2.00000	56.5685

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
40 Q12A1	1.00000	1.00000	0.00000	1.00000
41 Q12A2	MISSING	MISSING	0.00000	0.00000
42 Q12A3	MISSING	MISSING	0.00000	0.00000
43 Q12A4	1.00000	3.00000	2.00000	4.00000
44 Q12B1	1.00000	7.00000	6.00000	8.00000
45 Q12B2	1.00000	120.000	119.000	121.000
46 Q12B3	MISSING	MISSING	0.00000	0.00000
47 Q12B4	3.00000	7.00000	4.00000	10.0000



COMMAND: DESC

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

11 CASES (19.3%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
48 Q13A1	3	8	72.7
49 Q13A2	5	6	54.5
50 Q13A3	0	11	100.0
51 Q13A4	1	10	90.9
52 Q13B1	6	5	45.5
53 Q13B2	6	5	45.5
54 Q13B3	0	11	100.0
55 Q13B4	3	8	72.7

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
48 Q13A1	4.33333	2.30940	5.33333	1.33333	53.2939
49 Q13A2	9.20000	11.8406	140.200	5.29528	128.702
50 Q13A3	0.00000	0.00000	0.00000	0.00000	0.00000
51 Q13A4	7.00000	0.00000	0.00000	0.00000	0.00000
52 Q13B1	40.5000	39.4297	1554.70	16.0971	97.3572
53 Q13B2	52.3333	46.1851	2133.07	18.8550	88.2518
54 Q13B3	0.00000	0.00000	0.00000	0.00000	0.00000
55 Q13B4	39.3333	44.4335	1974.33	25.6537	112.966

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
48 Q13A1	3.00000	7.00000	4.00000	13.0000
49 Q13A2	1.00000	30.0000	29.0000	46.0000
50 Q13A3	MISSING	MISSING	0.00000	0.00000
51 Q13A4	7.00000	7.00000	0.00000	7.00000
52 Q13B1	5.00000	90.0000	85.0000	243.000
53 Q13B2	7.00000	120.000	113.000	314.000
54 Q13B3	MISSING	MISSING	0.00000	0.00000
55 Q13B4	7.00000	90.0000	83.0000	118.000



COMMAND: DESC

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

11 CASES (19.3%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
56 Q14A1	10	1	9.1
57 Q14A2	11	0	0.0
58 Q14A3	3	8	72.7
59 Q14A4	6	5	45.5
60 Q14B1	8	3	27.3
61 Q14B2	9	2	18.2
62 Q14B3	2	9	81.8
63 Q14B4	4	7	63.6
64 Q14C1	6	5	45.5
65 Q14C2	8	3	27.3
66 Q14C3	1	10	90.9
67 Q14C4	4	7	63.6

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
56 Q14A1	8.00000	1.24722	1.55556	0.394405	15.5902
57 Q14A2	7.72727	1.61808	2.61818	0.487869	20.9399
58 Q14A3	7.33333	3.78594	14.3333	2.18581	51.6264
59 Q14A4	7.33333	1.86190	3.46667	0.760117	25.3895
60 Q14B1	8.00000	2.39046	5.71429	0.845154	29.8807
61 Q14B2	7.33333	2.73861	7.50000	0.912871	37.3447
62 Q14B3	5.50000	6.36396	40.5000	4.50000	115.708
63 Q14B4	7.00000	2.94392	8.66667	1.47196	42.0560
64 Q14C1	7.00000	2.28035	5.20000	0.930949	32.5764
65 Q14C2	5.12500	2.74838	7.55357	0.971698	53.6269
66 Q14C3	1.00000	0.00000	0.00000	0.00000	0.00000
67 Q14C4	6.50000	1.91485	3.66667	0.957427	29.4593

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
56 Q14A1	6.00000	10.0000	4.00000	80.0000
57 Q14A2	5.00000	10.0000	5.00000	85.0000
58 Q14A3	3.00000	10.0000	7.00000	22.0000
59 Q14A4	4.00000	9.00000	5.00000	44.0000
60 Q14B1	3.00000	10.0000	7.00000	64.0000
61 Q14B2	1.00000	10.0000	9.00000	66.0000
62 Q14B3	1.00000	10.0000	9.00000	11.0000
63 Q14B4	3.00000	10.0000	7.00000	28.0000
64 Q14C1	4.00000	10.0000	6.00000	42.0000
65 Q14C2	1.00000	9.00000	8.00000	41.0000
66 Q14C3	1.00000	1.00000	0.00000	1.00000
67 Q14C4	5.00000	9.00000	4.00000	26.0000

COMMAND: DESC

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

11 CASES (19.3%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
68 Q15A1	6	5	45.5
69 Q15A2	8	3	27.3
70 Q15A3	0	11	100.0
71 Q15A4	1	10	90.9
72 Q15B1	9	2	18.2
73 Q15B2	10	1	9.1
74 Q15B3	2	9	81.8
75 Q15B4	4	7	63.6
76 Q15C1	8	3	27.3
77 Q15C2	7	4	36.4
78 Q15C3	0	11	100.0
79 Q15C4	4	7	63.6
80 Q15D1	10	1	9.1
81 Q15D2	11	0	0.0
82 Q15D3	2	9	81.8
83 Q15D4	3	8	72.7
84 Q15E1	9	2	18.2
85 Q15E2	7	4	36.4
86 Q15E3	1	10	90.9
87 Q15E4	3	8	72.7

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
68 Q15A1	7.16667	1.60208	2.56667	0.654047	22.3546
69 Q15A2	7.37500	1.76777	3.12500	0.625000	23.9697
70 Q15A3	0.00000	0.00000	0.00000	0.00000	0.00000
71 Q15A4	5.00000	0.00000	0.00000	0.00000	0.00000
72 Q15B1	6.33333	2.44949	6.00000	0.816497	38.6762
73 Q15B2	8.00000	1.15470	1.33333	0.365148	14.4338
74 Q15B3	8.50000	2.12132	4.50000	1.50000	24.9567
75 Q15B4	7.00000	1.41421	2.00000	0.707107	20.2031
76 Q15C1	8.75000	1.38873	1.92857	0.490990	15.8712
77 Q15C2	7.71429	3.03942	9.23810	1.14879	39.3999
78 Q15C3	0.00000	0.00000	0.00000	0.00000	0.00000
79 Q15C4	7.00000	2.70801	7.33333	1.35401	38.6859
80 Q15D1	8.50000	1.50923	2.27778	0.477261	17.7557
81 Q15D2	8.45455	1.12815	1.27273	0.340151	13.3437
82 Q15D3	5.50000	6.36396	40.5000	4.50000	115.708
83 Q15D4	6.33333	2.88675	8.33333	1.66667	45.5803
84 Q15E1	7.33333	2.78388	7.75000	0.927961	37.9620
85 Q15E2	6.42857	3.50510	12.2857	1.32480	54.5238
86 Q15E3	10.0000	0.00000	0.00000	0.00000	0.00000
87 Q15E4	8.66667	1.15470	1.33333	0.666667	13.3235





COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
68 Q15A1	5.00000	9.00000	4.00000	43.0000
69 Q15A2	5.00000	10.0000	5.00000	59.0000
70 Q15A3	MISSING	MISSING	0.00000	0.00000
71 Q15A4	5.00000	5.00000	0.00000	5.00000
72 Q15B1	1.00000	9.00000	8.00000	57.0000
73 Q15B2	6.00000	10.0000	4.00000	80.0000
74 Q15B3	7.00000	10.0000	3.00000	17.0000
75 Q15B4	6.00000	9.00000	3.00000	28.0000
76 Q15C1	6.00000	10.0000	4.00000	70.0000
77 Q15C2	1.00000	10.0000	9.00000	54.0000
78 Q15C3	MISSING	MISSING	0.00000	0.00000
79 Q15C4	3.00000	9.00000	6.00000	28.0000
80 Q15D1	6.00000	10.0000	4.00000	85.0000
81 Q15D2	7.00000	10.0000	3.00000	93.0000
82 Q15D3	1.00000	10.0000	9.00000	11.0000
83 Q15D4	3.00000	8.00000	5.00000	19.0000
84 Q15E1	2.00000	10.0000	8.00000	66.0000
85 Q15E2	1.00000	10.0000	9.00000	45.0000
86 Q15E3	10.0000	10.0000	0.00000	10.0000
87 Q15E4	8.00000	10.0000	2.00000	26.0000



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COMMAND: DESC

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

11 CASES (19.3%) ARE IN THIS SUBSET

11 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
88 Q16	7.72727	2.28433	5.21818	0.688753	29.5620

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
88 Q16	3.00000	10.0000	7.00000	85.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - CENTRAL REGION
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COMMAND: FREQ

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 89 Q17

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	8	8	72.7	72.7	-0.539360
2.00000	2	10	18.2	90.9	0.943880
3.00000	1	11	9.1	100.0	2.42712
TOTAL	11	11	100.0	100.0	

VARIABLE: 90 Q18A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	3	3	30.0	30.0	-1.44914
2.00000	7	10	70.0	100.0	0.621059
TOTAL	10	10	100.0	100.0	

VARIABLE: 91 Q18B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	66.7	66.7	-0.577350
2.00000	1	3	33.3	100.0	1.15470
TOTAL	3	3	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - CENTRAL REGION
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COMMAND: DESC

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

11 CASES (19.3%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
92 Q20A	11	0	0.0
93 Q20B	10	1	9.1
94 Q20C	11	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
92 Q20A	7.81818	1.77866	3.16364	0.536287	22.7503
93 Q20B	7.60000	1.89737	3.60000	0.600000	24.9653
94 Q20C	8.72727	1.10371	1.21818	0.332782	12.6467

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
92 Q20A	3.00000	10.0000	7.00000	86.0000
93 Q20B	4.00000	10.0000	6.00000	76.0000
94 Q20C	7.00000	10.0000	3.00000	96.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - CENTRAL REGION
REV#206

APR 30 '87

PAGE 20

COMMAND: DESC

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

11 CASES (19.3%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
95 Q20D1	10	1	9.1
96 Q20D2	11	0	0.0
97 Q20D3	10	1	9.1

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
95 Q20D1	0.105000	0.154578	0.0238944	0.0488819	147.217
96 Q20D2	0.405455	0.335033	0.112247	0.101016	82.6315
97 Q20D3	4.80000	3.15524	9.95556	0.997775	65.7342

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
95 Q20D1	0.0300000	0.500000	0.470000	1.05000
96 Q20D2	0.0800000	1.00000	0.920000	4.46000
97 Q20D3	1.00000	12.0000	11.0000	48.0000



COMMAND: FREQ

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 98 Q20E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	10	10	90.9	90.9	-0.301511
2.00000	1	11	9.1	100.0	3.01511
TOTAL	11	11	100.0	100.0	

VARIABLE: 99 Q20F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	7	7	70.0	70.0	-0.621059
2.00000	3	10	30.0	100.0	1.44914
TOTAL	10	10	100.0	100.0	

VARIABLE: 100 Q21A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	8	8	72.7	72.7	-0.583874
2.00000	3	11	27.3	100.0	1.55700
TOTAL	11	11	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - CENTRAL REGION
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COMMAND: FREQ

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 101 Q22A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	5	5	55.6	55.6	-0.843274
2.00000	4	9	44.4	100.0	1.05409
TOTAL	9	9	100.0	100.0	

VARIABLE: 102 Q22B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	6	6	60.0	60.0	-0.774597
2.00000	4	10	40.0	100.0	1.16190
TOTAL	10	10	100.0	100.0	

VARIABLE: 103 Q24A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	8	8	80.0	80.0	-0.474342
2.00000	2	10	20.0	100.0	1.89737
TOTAL	10	10	100.0	100.0	



COMMAND: DESC

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

11 CASES (19.3%) ARE IN THIS SUBSET

10 CASES (90.9%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
104 Q24B	7.30000	2.11082	4.45556	0.667499	28.9153

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
104 Q24B	3.00000	9.00000	6.00000	73.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - CENTRAL REGION
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COMMAND: FREQ

SELECTION ON VAR 4 REGION = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 105 Q26A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	7	7	70.0	70.0	-0.603708
3.00000	2	9	20.0	90.0	1.12117
4.00000	1	10	10.0	100.0	1.98361
TOTAL	10	10	100.0	100.0	







ABSTAT 4.07

FILE: ZCR3

CRAY USER SATISFACTION SURVEY - EAST REGION

REV#206

APR 30 '87

PAGE 1

COMMAND: FREQ

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 10 Q1D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	6	6	33.3	33.3	-1.37437
2.00000	12	18	66.7	100.0	0.687184
TOTAL	18	18	100.0	100.0	



COMMAND: DESC

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

18 CASES (31.6%) ARE IN THIS SUBSET

18 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
11 Q2A	9.00000	0.970143	0.941176	0.228665	10.7794
12 Q2B	7.88889	1.81137	3.28105	0.426943	22.9610
13 Q2C1	8.00000	1.23669	1.52941	0.291492	15.4587
14 Q2C2	8.16667	1.46528	2.14706	0.345371	17.9423
15 Q2C3	6.33333	2.11438	4.47059	0.498363	33.3849
16 Q2C4	7.38889	2.00408	4.01634	0.472366	27.1229
17 Q2D	7.88889	1.32349	1.75163	0.311950	16.7767
18 Q2E	6.72222	2.32140	5.38889	0.547159	34.5332
19 Q2F	7.00000	2.14202	4.58824	0.504878	30.6002
20 Q2G	7.94444	1.89340	3.58497	0.446279	23.8330

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
11 Q2A	7.00000	10.0000	3.00000	162.000
12 Q2B	4.00000	10.0000	6.00000	142.000
13 Q2C1	6.00000	10.0000	4.00000	144.000
14 Q2C2	5.00000	10.0000	5.00000	147.000
15 Q2C3	2.00000	9.00000	7.00000	114.000
16 Q2C4	3.00000	10.0000	7.00000	133.000
17 Q2D	5.00000	10.0000	5.00000	142.000
18 Q2E	1.00000	10.0000	9.00000	121.000
19 Q2F	1.00000	10.0000	9.00000	126.000
20 Q2G	5.00000	10.0000	5.00000	143.000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - EAST REGION
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COMMAND: FREQ

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 11 Q2A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
7.00000	1	1	5.6	5.6	-2.06155
8.00000	5	6	27.8	33.3	-1.03078
9.00000	5	11	27.8	61.1	0.00000
10.0000	7	18	38.9	100.0	1.03078
TOTAL	18	18	100.0	100.0	

VARIABLE: 12 Q2B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	2	2	11.1	11.1	-2.14694
6.00000	1	3	5.6	16.7	-1.04280
7.00000	3	6	16.7	33.3	-0.490729
8.00000	4	10	22.2	55.6	0.0613411
9.00000	5	15	27.8	83.3	0.613411
10.0000	3	18	16.7	100.0	1.16548
TOTAL	18	18	100.0	100.0	

VARIABLE: 13 Q2C1

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	3	3	16.7	16.7	-1.61722
7.00000	2	5	11.1	27.8	-0.808608
8.00000	7	12	38.9	66.7	1.176679E-11
9.00000	4	16	22.2	88.9	0.808608
10.0000	2	18	11.1	100.0	1.61722
TOTAL	18	18	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 14 Q2C2

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	5.6	5.6	-2.16113
6.00000	2	3	11.1	16.7	-1.47867
7.00000	1	4	5.6	22.2	-0.796205
8.00000	7	11	38.9	61.1	-0.113744
9.00000	3	14	16.7	77.8	0.568718
10.0000	4	18	22.2	100.0	1.25118
TOTAL	18	18	100.0	100.0	

VARIABLE: 15 Q2C3

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	2	2	11.1	11.1	-2.04946
3.00000	1	3	5.6	16.7	-1.57651
5.00000	2	5	11.1	27.8	-0.630604
6.00000	1	6	5.6	33.3	-0.157651
7.00000	6	12	33.3	66.7	0.315302
8.00000	5	17	27.8	94.4	0.788254
9.00000	1	18	5.6	100.0	1.26121
TOTAL	18	18	100.0	100.0	

VARIABLE: 16 Q2C4

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
3.00000	1	1	5.6	5.6	-2.18998
4.00000	1	2	5.6	11.1	-1.69099
5.00000	1	3	5.6	16.7	-1.19201
6.00000	2	5	11.1	27.8	-0.693030
7.00000	4	9	22.2	50.0	-0.194049
8.00000	2	11	11.1	61.1	0.304933
9.00000	5	16	27.8	88.9	0.803915
10.0000	2	18	11.1	100.0	1.30290
TOTAL	18	18	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 17 Q2D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	5.6	5.6	-2.18278
6.00000	1	2	5.6	11.1	-1.42720
7.00000	5	7	27.8	38.9	-0.671623
8.00000	5	12	27.8	66.7	0.0839529
9.00000	4	16	22.2	88.9	0.839529
10.0000	2	18	11.1	100.0	1.59511
TOTAL	18	18	100.0	100.0	

VARIABLE: 18 Q2E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	5.6	5.6	-2.46499
3.00000	2	3	11.1	16.7	-1.60344
6.00000	2	5	11.1	27.8	-0.311115
7.00000	6	11	33.3	61.1	0.119660
8.00000	5	16	27.8	88.9	0.550435
10.0000	2	18	11.1	100.0	1.41198
TOTAL	18	18	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - EAST REGION
REV#206

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COMMAND: FREQ

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 19 Q2F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	5.6	5.6	-2.80110
4.00000	1	2	5.6	11.1	-1.40055
5.00000	2	4	11.1	22.2	-0.933700
6.00000	1	5	5.6	27.8	-0.466850
7.00000	3	8	16.7	44.4	0.00000
8.00000	7	15	38.9	83.3	0.466850
9.00000	2	17	11.1	94.4	0.933700
10.0000	1	18	5.6	100.0	1.40055
TOTAL	18	18	100.0	100.0	

VARIABLE: 20 Q2G

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	3	3	16.7	16.7	-1.55511
6.00000	2	5	11.1	27.8	-1.02696
7.00000	2	7	11.1	38.9	-0.498808
8.00000	2	9	11.1	50.0	0.0293417
9.00000	4	13	22.2	72.2	0.557492
10.0000	5	18	27.8	100.0	1.08564
TOTAL	18	18	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - EAST REGION
REV#206 APR 30 '87

PAGE 7

COMMAND: DESC

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

18 CASES (31.6%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
21 Q4	18	0	0.0
22 Q5	15	3	16.7
23 Q5A	15	3	16.7
24 Q5B	13	5	27.8
25 Q5C	6	12	66.7

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
21 Q4	71.8889	25.8796	669.752	6.09987	35.9994
22 Q5	4.60000	6.08041	36.9714	1.56996	132.183
23 Q5A	52.5333	30.6148	937.267	7.90471	58.2769
24 Q5B	47.0769	22.4665	504.744	6.23109	47.7230
25 Q5C	50.0000	33.0151	1090.00	13.4784	66.0303

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
21 Q4	10.0000	100.000	90.0000	1294.00
22 Q5	1.00000	25.0000	24.0000	69.0000
23 Q5A	3.00000	100.000	97.0000	788.000
24 Q5B	10.0000	100.000	90.0000	612.000
25 Q5C	10.0000	100.000	90.0000	300.000



COMMAND: FREQ

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
 MISSING VALUE TREATMENT: VARWISE

VARIABLE: 23 Q5A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
3.00000	1	1	6.7	6.7	-1.61795
20.0000	1	2	6.7	13.3	-1.06267
25.0000	3	5	20.0	33.3	-0.899347
30.0000	1	6	6.7	40.0	-0.736027
50.0000	2	8	13.3	53.3	-0.0827486
66.0000	1	9	6.7	60.0	0.439874
67.0000	2	11	13.3	73.3	0.472538
70.0000	1	12	6.7	80.0	0.570530
90.0000	1	13	6.7	86.7	1.22381
100.000	2	15	13.3	100.0	1.55045
TOTAL	15	15	100.0	100.0	

VARIABLE: 24 Q5B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
10.0000	1	1	7.7	7.7	-1.65032
30.0000	1	2	7.7	15.4	-0.760106
33.0000	2	4	15.4	30.8	-0.626574
34.0000	1	5	7.7	38.5	-0.582063
40.0000	1	6	7.7	46.2	-0.314999
47.0000	1	7	7.7	53.8	-0.00342390
50.0000	3	10	23.1	76.9	0.130108
60.0000	1	11	7.7	84.6	0.575215
75.0000	1	12	7.7	92.3	1.24288
100.000	1	13	7.7	100.0	2.35564
TOTAL	13	13	100.0	100.0	

VARIABLE: 25 Q5C

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
10.0000	1	1	16.7	16.7	-1.21157
25.0000	1	2	16.7	33.3	-0.757228
40.0000	1	3	16.7	50.0	-0.302891
50.0000	1	4	16.7	66.7	0.00000
75.0000	1	5	16.7	83.3	0.757228
100.000	1	6	16.7	100.0	1.51446
TOTAL	6	6	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - EAST REGION
REV#206

APR 30 '87

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COMMAND: DESC

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

18 CASES (31.6%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
26 Q6A	16	2	11.1
27 Q6B	14	4	22.2
28 Q7	12	6	33.3

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
26 Q6A	10.0000	15.1261	228.800	3.78153	151.261
27 Q6B	64.9286	20.1550	406.225	5.38666	31.0419
28 Q7	96.6667	59.5564	3546.97	17.1925	61.6101

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
26 Q6A	1.00000	60.0000	59.0000	160.000
27 Q6B	40.0000	120.000	80.0000	909.000
28 Q7	20.0000	240.000	220.000	1160.00



COMMAND: DESC

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

18 CASES (31.6%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
29 Q8A	18	0	0.0
30 Q8B	18	0	0.0
31 Q8C	17	1	5.6
32 Q8D	17	1	5.6
33 Q9	11	7	38.9

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
29 Q8A	7.94444	1.89340	3.58497	0.446279	23.8330
30 Q8B	7.33333	1.68034	2.82353	0.396059	22.9137
31 Q8C	9.11765	0.696631	0.485294	0.168958	7.64046
32 Q8D	8.52941	1.23073	1.51471	0.298497	14.4293
33 Q9	7.36364	2.06265	4.25455	0.621914	28.0114

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
29 Q8A	3.00000	10.0000	7.00000	143.000
30 Q8B	3.00000	10.0000	7.00000	132.000
31 Q8C	8.00000	10.0000	2.00000	155.000
32 Q8D	6.00000	10.0000	4.00000	145.000
33 Q9	3.00000	9.00000	6.00000	81.0000



COMMAND: DESC

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

18 CASES (31.6%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
34 Q10A	14	4	22.2
35 Q10B	11	7	38.9
36 Q10C	17	1	5.6
37 Q10D	14	4	22.2
38 Q10E	17	1	5.6
39 Q10F	12	6	33.3

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
34 Q10A	8.85714	0.864438	0.747253	0.231031	9.75978
35 Q10B	7.63636	1.28629	1.65455	0.387831	16.8443
36 Q10C	8.29412	1.40378	1.97059	0.340466	16.9250
37 Q10D	8.50000	0.854850	0.730769	0.228468	10.0571
38 Q10E	8.70588	0.985184	0.970588	0.238942	11.3163
39 Q10F	8.50000	0.797724	0.636364	0.230283	9.38499

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
34 Q10A	7.00000	10.0000	3.00000	124.000
35 Q10B	6.00000	10.0000	4.00000	84.0000
36 Q10C	4.00000	10.0000	6.00000	141.000
37 Q10D	7.00000	10.0000	3.00000	119.000
38 Q10E	7.00000	10.0000	3.00000	148.000
39 Q10F	7.00000	10.0000	3.00000	102.000



COMMAND: DESC

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

18 CASES (31.6%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
40 Q12A1	2	16	88.9
41 Q12A2	3	15	83.3
42 Q12A3	1	17	94.4
43 Q12A4	4	14	77.8
44 Q12B1	3	15	83.3
45 Q12B2	4	14	77.8
46 Q12B3	1	17	94.4
47 Q12B4	4	14	77.8

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
40 Q12A1	1.00000	0.00000	0.00000	0.00000	0.00000
41 Q12A2	3.00000	3.46410	12.0000	2.00000	115.470
42 Q12A3	1.00000	0.00000	0.00000	0.00000	0.00000
43 Q12A4	6.25000	3.77492	14.2500	1.88746	60.3987
44 Q12B1	9.66667	10.2632	105.333	5.92546	106.171
45 Q12B2	22.2500	26.5251	703.583	13.2626	119.214
46 Q12B3	1.00000	0.00000	0.00000	0.00000	0.00000
47 Q12B4	15.5000	12.6623	160.333	6.33114	81.6921

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
40 Q12A1	1.00000	1.00000	0.00000	2.00000
41 Q12A2	1.00000	7.00000	6.00000	9.00000
42 Q12A3	1.00000	1.00000	0.00000	1.00000
43 Q12A4	1.00000	10.0000	9.00000	25.0000
44 Q12B1	1.00000	21.0000	20.0000	29.0000
45 Q12B2	1.00000	60.0000	59.0000	89.0000
46 Q12B3	1.00000	1.00000	0.00000	1.00000
47 Q12B4	1.00000	30.0000	29.0000	62.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - EAST REGION
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COMMAND: DESC

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

18 CASES (31.6%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
48 Q13A1	8	10	55.6
49 Q13A2	9	9	50.0
50 Q13A3	2	16	88.9
51 Q13A4	8	10	55.6
52 Q13B1	10	8	44.4
53 Q13B2	13	5	27.8
54 Q13B3	3	15	83.3
55 Q13B4	6	12	66.7

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
48 Q13A1	5.75000	3.99106	15.9286	1.41105	69.4098
49 Q13A2	14.5556	28.5618	815.778	9.52061	196.226
50 Q13A3	2.00000	1.41421	2.00000	1.00000	70.7107
51 Q13A4	16.5000	29.9571	897.429	10.5914	181.558
52 Q13B1	76.2000	116.461	13563.1	36.8281	152.835
53 Q13B2	89.0769	132.636	17592.2	36.7865	148.900
54 Q13B3	6.00000	4.58258	21.0000	2.64575	76.3763
55 Q13B4	73.6667	84.8685	7202.67	34.6474	115.206

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
48 Q13A1	2.00000	14.0000	12.0000	46.0000
49 Q13A2	1.00000	90.0000	89.0000	131.000
50 Q13A3	1.00000	3.00000	2.00000	4.00000
51 Q13A4	2.00000	90.0000	88.0000	132.000
52 Q13B1	2.00000	365.000	363.000	762.000
53 Q13B2	1.00000	365.000	364.000	1158.00
54 Q13B3	1.00000	10.0000	9.00000	18.0000
55 Q13B4	5.00000	180.000	175.000	442.000



COMMAND: DESC

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

18 CASES (31.6%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
56 Q14A1	18	0	0.0
57 Q14A2	18	0	0.0
58 Q14A3	4	14	77.8
59 Q14A4	11	7	38.9
60 Q14B1	15	3	16.7
61 Q14B2	15	3	16.7
62 Q14B3	4	14	77.8
63 Q14B4	10	8	44.4
64 Q14C1	15	3	16.7
65 Q14C2	16	2	11.1
66 Q14C3	4	14	77.8
67 Q14C4	10	8	44.4

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
56 Q14A1	7.27778	1.77584	3.15359	0.418569	24.4008
57 Q14A2	7.22222	1.59247	2.53595	0.375348	22.0495
58 Q14A3	6.00000	2.70801	7.33333	1.35401	45.1335
59 Q14A4	8.09091	1.04447	1.09091	0.314918	12.9091
60 Q14B1	7.73333	1.75119	3.06667	0.452155	22.6447
61 Q14B2	7.86667	1.30201	1.69524	0.336178	16.5510
62 Q14B3	6.25000	2.98608	8.91667	1.49304	47.7773
63 Q14B4	8.20000	0.788811	0.622222	0.249444	9.61964
64 Q14C1	7.33333	1.98806	3.95238	0.513315	27.1099
65 Q14C2	7.06250	1.91377	3.66250	0.478441	27.0976
66 Q14C3	6.50000	3.10913	9.66667	1.55456	47.8327
67 Q14C4	7.60000	1.95505	3.82222	0.618241	25.7243

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
56 Q14A1	3.00000	10.0000	7.00000	131.000
57 Q14A2	3.00000	9.00000	6.00000	130.000
58 Q14A3	2.00000	8.00000	6.00000	24.0000
59 Q14A4	7.00000	10.0000	3.00000	89.0000
60 Q14B1	3.00000	10.0000	7.00000	116.000
61 Q14B2	5.00000	10.0000	5.00000	118.000
62 Q14B3	2.00000	9.00000	7.00000	25.0000
63 Q14B4	7.00000	10.0000	3.00000	82.0000
64 Q14C1	3.00000	9.00000	6.00000	110.000
65 Q14C2	2.00000	9.00000	7.00000	113.000
66 Q14C3	2.00000	9.00000	7.00000	26.0000
67 Q14C4	3.00000	10.0000	7.00000	76.0000



COMMAND: DESC

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
 MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

18 CASES (31.6%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
68 Q15A1	11	7	38.9
69 Q15A2	11	7	38.9
70 Q15A3	4	14	77.8
71 Q15A4	9	9	50.0
72 Q15B1	15	3	16.7
73 Q15B2	15	3	16.7
74 Q15B3	5	13	72.2
75 Q15B4	8	10	55.6
76 Q15C1	11	7	38.9
77 Q15C2	13	5	27.8
78 Q15C3	5	13	72.2
79 Q15C4	9	9	50.0
80 Q15D1	17	1	5.6
81 Q15D2	17	1	5.6
82 Q15D3	3	15	83.3
83 Q15D4	10	8	44.4
84 Q15E1	13	5	27.8
85 Q15E2	12	6	33.3
86 Q15E3	3	15	83.3
87 Q15E4	9	9	50.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
68 Q15A1	7.81818	1.40130	1.96364	0.422507	17.9236
69 Q15A2	8.09091	1.22103	1.49091	0.368154	15.0914
70 Q15A3	8.00000	1.63299	2.66667	0.816497	20.4124
71 Q15A4	7.66667	0.500000	0.250000	0.166667	6.52174
72 Q15B1	7.80000	0.941124	0.885714	0.242997	12.0657
73 Q15B2	8.26667	1.27988	1.63810	0.330464	15.4824
74 Q15B3	6.80000	1.64317	2.70000	0.734847	24.1642
75 Q15B4	7.50000	1.60357	2.57143	0.566947	21.3809
76 Q15C1	7.54545	1.80907	3.27273	0.545455	23.9756
77 Q15C2	7.23077	1.92154	3.69231	0.532939	26.5745
78 Q15C3	5.60000	3.36155	11.3000	1.50333	60.0276
79 Q15C4	7.22222	0.666667	0.444444	0.222222	9.23077
80 Q15D1	8.29412	1.10480	1.22059	0.267954	13.3203
81 Q15D2	8.05882	1.67595	2.80882	0.406479	20.7965
82 Q15D3	8.00000	2.64575	7.00000	1.52753	33.0719
83 Q15D4	6.90000	1.72884	2.98889	0.546707	25.0557
84 Q15E1	8.23077	1.48064	2.19231	0.410657	17.9891
85 Q15E2	8.33333	0.778499	0.606061	0.224733	9.34199
86 Q15E3	8.00000	0.00000	0.00000	0.00000	0.00000
87 Q15E4	8.11111	0.927961	0.861111	0.309320	11.4406



COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
68 Q15A1	4.00000	9.00000	5.00000	86.0000
69 Q15A2	6.00000	10.0000	4.00000	89.0000
70 Q15A3	6.00000	10.0000	4.00000	32.0000
71 Q15A4	7.00000	8.00000	1.00000	69.0000
72 Q15B1	6.00000	10.0000	4.00000	117.000
73 Q15B2	5.00000	10.0000	5.00000	124.000
74 Q15B3	4.00000	8.00000	4.00000	34.0000
75 Q15B4	5.00000	10.0000	5.00000	60.0000
76 Q15C1	3.00000	10.0000	7.00000	83.0000
77 Q15C2	2.00000	9.00000	7.00000	94.0000
78 Q15C3	2.00000	9.00000	7.00000	28.0000
79 Q15C4	6.00000	8.00000	2.00000	65.0000
80 Q15D1	6.00000	10.0000	4.00000	141.000
81 Q15D2	5.00000	10.0000	5.00000	137.000
82 Q15D3	5.00000	10.0000	5.00000	24.0000
83 Q15D4	3.00000	9.00000	6.00000	69.0000
84 Q15E1	4.00000	10.0000	6.00000	107.000
85 Q15E2	7.00000	10.0000	3.00000	100.000
86 Q15E3	8.00000	8.00000	0.00000	24.0000
87 Q15E4	7.00000	10.0000	3.00000	73.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - EAST REGION
REV#206 APR 30 '87

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COMMAND: DESC

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

18 CASES (31.6%) ARE IN THIS SUBSET

18 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
88 Q16	7.77778	1.83289	3.35948	0.432016	23.5657

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
88 Q16	3.00000	10.0000	7.00000	140.000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - EAST REGION
REV#206 APR 30 '87

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COMMAND: FREQ

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 89 Q17

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	4	4	26.7	26.7	-1.35429
2.00000	9	13	60.0	86.7	0.208353
3.00000	2	15	13.3	100.0	1.77100
TOTAL	15	15	100.0	100.0	

VARIABLE: 90 Q18A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	6	6	33.3	33.3	-1.37437
2.00000	12	18	66.7	100.0	0.687184
TOTAL	18	18	100.0	100.0	

VARIABLE: 91 Q18B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	4	4	100.0	100.0	0.00000
TOTAL	4	4	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - EAST REGION
REV#206 APR 30 '87

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COMMAND: DESC

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

18 CASES (31.6%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
92 Q20A	18	0	0.0
93 Q20B	14	4	22.2
94 Q20C	18	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
92 Q20A	7.55556	1.72259	2.96732	0.406019	22.7990
93 Q20B	8.50000	0.650444	0.423077	0.173838	7.65228
94 Q20C	8.16667	1.24853	1.55882	0.294281	15.2881

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
92 Q20A	4.00000	9.00000	5.00000	136.000
93 Q20B	7.00000	9.00000	2.00000	119.000
94 Q20C	6.00000	10.0000	4.00000	147.000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - EAST REGION
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COMMAND: DESC

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

18 CASES (31.6%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
95 Q20D1	15	3	16.7
96 Q20D2	18	0	0.0
97 Q20D3	15	3	16.7

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
95 Q20D1	0.257333	0.544078	0.296021	0.140480	211.429
96 Q20D2	1.26389	1.30461	1.70200	0.307499	103.222
97 Q20D3	7.60000	4.88145	23.8286	1.26039	64.2296

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
95 Q20D1	0.0300000	2.00000	1.97000	3.86000
96 Q20D2	0.0250000	6.00000	5.75000	22.7500
97 Q20D3	2.00000	20.0000	18.0000	114.000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - EAST REGION
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COMMAND: FREQ

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 98 Q20E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	16	16	88.9	88.9	-0.343592
2.00000	2	18	11.1	100.0	2.74874
TOTAL	18	18	100.0	100.0	

VARIABLE: 99 Q20F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	14	14	87.5	87.5	-0.365963
2.00000	2	16	12.5	100.0	2.56174
TOTAL	16	16	100.0	100.0	

VARIABLE: 100 Q21A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	9	9	50.0	50.0	-0.971825
2.00000	9	18	50.0	100.0	0.971825
TOTAL	18	18	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
 MISSING VALUE TREATMENT: VARWISE

VARIABLE: 101 Q22A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	10	10	76.9	76.9	-0.526235
2.00000	3	13	23.1	100.0	1.75412
TOTAL	13	13	100.0	100.0	

VARIABLE: 102 Q22B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	12	12	70.6	70.6	-0.626224
2.00000	5	17	29.4	100.0	1.50294
TOTAL	17	17	100.0	100.0	

VARIABLE: 103 Q24A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	13	13	76.5	76.5	-0.538138
2.00000	4	17	23.5	100.0	1.74895
TOTAL	17	17	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - EAST REGION
REV#206 APR 30 '87

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COMMAND: DESC

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

18 CASES (31.6%) ARE IN THIS SUBSET

16 CASES (88.9%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
104 Q24B	7.31250	0.946485	0.895833	0.236621	12.9434

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
104 Q24B	5.00000	9.00000	4.00000	117.000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - EAST REGION
REV#206 APR 30 '87

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COMMAND: FREQ

SELECTION ON VAR 4 REGION = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 105 Q26A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	14	14	77.8	77.8	-0.507519
3.00000	3	17	16.7	94.4	1.52256
4.00000	1	18	5.6	100.0	2.53760
TOTAL	18	18	100.0	100.0	





ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - PETRO REGION
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PAGE 1

COMMAND: FREQ

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 10 Q1D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	9	9	75.0	75.0	-0.552771
2.00000	3	12	25.0	100.0	1.65831
TOTAL	12	12	100.0	100.0	

COMMAND: DESC

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
11 Q2A	12	0	0.0
12 Q2B	12	0	0.0
13 Q2C1	12	0	0.0
14 Q2C2	12	0	0.0
15 Q2C3	12	0	0.0
16 Q2C4	11	1	8.3
17 Q2D	12	0	0.0
18 Q2E	12	0	0.0
19 Q2F	12	0	0.0
20 Q2G	12	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
11 Q2A	8.50000	1.16775	1.36364	0.337100	13.7382
12 Q2B	8.91667	0.900337	0.810606	0.259905	10.0972
13 Q2C1	8.08333	1.56428	2.44697	0.451569	19.3519
14 Q2C2	8.00000	1.59545	2.54545	0.460566	19.9431
15 Q2C3	6.91667	1.24011	1.53788	0.357990	17.9293
16 Q2C4	7.36364	1.12006	1.25455	0.337712	15.2108
17 Q2D	7.66667	1.43548	2.06061	0.414388	18.7237
18 Q2E	6.33333	2.38683	5.69697	0.689019	37.6868
19 Q2F	7.66667	1.43548	2.06061	0.414388	18.7237
20 Q2G	8.33333	0.984732	0.969697	0.284268	11.8168

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
11 Q2A	7.00000	10.0000	3.00000	102.000
12 Q2B	7.00000	10.0000	3.00000	107.000
13 Q2C1	5.00000	10.0000	5.00000	97.0000
14 Q2C2	5.00000	10.0000	5.00000	96.0000
15 Q2C3	5.00000	9.00000	4.00000	83.0000
16 Q2C4	5.00000	9.00000	4.00000	81.0000
17 Q2D	5.00000	10.0000	5.00000	92.0000
18 Q2E	3.00000	10.0000	7.00000	76.0000
19 Q2F	6.00000	10.0000	4.00000	92.0000
20 Q2G	7.00000	10.0000	3.00000	100.000

COMMAND: FREQ

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 11 Q2A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
7.00000	3	3	25.0	25.0	-1.28452
8.00000	3	6	25.0	50.0	-0.428174
9.00000	3	9	25.0	75.0	0.428174
10.0000	3	12	25.0	100.0	1.28452
TOTAL	12	12	100.0	100.0	

VARIABLE: 12 Q2B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
7.00000	1	1	8.3	8.3	-2.12883
8.00000	2	3	16.7	25.0	-1.01814
9.00000	6	9	50.0	75.0	0.0925580
10.0000	3	12	25.0	100.0	1.20325
TOTAL	12	12	100.0	100.0	

VARIABLE: 13 Q2C1

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	8.3	8.3	-1.97109
6.00000	1	2	8.3	16.7	-1.33182
7.00000	2	4	16.7	33.3	-0.692545
8.00000	2	6	16.7	50.0	-0.0532727
9.00000	4	10	33.3	83.3	0.585999
10.0000	2	12	16.7	100.0	1.22527
TOTAL	12	12	100.0	100.0	

COMMAND: FREQ

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
 MISSING VALUE TREATMENT: VARWISE

VARIABLE: 14 Q2C2

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	8.3	8.3	-1.88035
6.00000	1	2	8.3	16.7	-1.25357
7.00000	3	5	25.0	41.7	-0.626783
8.00000	1	6	8.3	50.0	0.00000
9.00000	4	10	33.3	83.3	0.626783
10.0000	2	12	16.7	100.0	1.25357
TOTAL	12	12	100.0	100.0	

VARIABLE: 15 Q2C3

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	2	2	16.7	16.7	-1.54556
6.00000	2	4	16.7	33.3	-0.739180
7.00000	4	8	33.3	66.7	0.0671982
8.00000	3	11	25.0	91.7	0.873577
9.00000	1	12	8.3	100.0	1.67996
TOTAL	12	12	100.0	100.0	

VARIABLE: 16 Q2C4

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	9.1	9.1	-2.11027
6.00000	1	2	9.1	18.2	-1.21746
7.00000	3	5	27.3	45.5	-0.324657
8.00000	5	10	45.5	90.9	0.568149
9.00000	1	11	9.1	100.0	1.46095
TOTAL	11	11	100.0	100.0	

COMMAND: FREQ

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 17 Q2D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	8.3	8.3	-1.85768
6.00000	1	2	8.3	16.7	-1.16105
7.00000	4	6	33.3	50.0	-0.464420
8.00000	2	8	16.7	66.7	0.232210
9.00000	3	11	25.0	91.7	0.928841
10.0000	1	12	8.3	100.0	1.62547
TOTAL	12	12	100.0	100.0	

VARIABLE: 18 Q2E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
3.00000	1	1	8.3	8.3	-1.39655
4.00000	3	4	25.0	33.3	-0.977586
5.00000	1	5	8.3	41.7	-0.558620
6.00000	1	6	8.3	50.0	-0.139655
7.00000	2	8	16.7	66.7	0.279310
8.00000	2	10	16.7	83.3	0.698275
10.0000	2	12	16.7	100.0	1.53621
TOTAL	12	12	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - PETRO REGION
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PAGE 6

COMMAND: FREQ

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 19 Q2F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	4	4	33.3	33.3	-1.16105
7.00000	1	5	8.3	41.7	-0.464420
8.00000	3	8	25.0	66.7	0.232210
9.00000	3	11	25.0	91.7	0.928841
10.0000	1	12	8.3	100.0	1.62547
TOTAL	12	12	100.0	100.0	

VARIABLE: 20 Q2G

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
7.00000	2	2	16.7	16.7	-1.35401
8.00000	6	8	50.0	66.7	-0.338502
9.00000	2	10	16.7	83.3	0.677003
10.0000	2	12	16.7	100.0	1.69251
TOTAL	12	12	100.0	100.0	

COMMAND: DESC

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
21 Q4	12	0	0.0
22 Q5	11	1	8.3
23 Q5A	11	1	8.3
24 Q5B	10	2	16.7
25 Q5C	3	9	75.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
21 Q4	68.5833	26.2937	691.356	7.59032	38.3383
22 Q5	10.8182	8.56526	73.3636	2.58252	79.1746
23 Q5A	47.1818	30.9736	959.364	9.33889	65.6473
24 Q5B	53.3000	29.4130	865.122	9.30119	55.1838
25 Q5C	16.0000	14.9332	223.000	8.62168	93.3324

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
21 Q4	20.0000	100.000	80.0000	823.000
22 Q5	1.00000	28.0000	27.0000	119.000
23 Q5A	10.0000	100.000	90.0000	519.000
24 Q5B	10.0000	90.0000	80.0000	533.000
25 Q5C	5.00000	33.0000	28.0000	48.0000



COMMAND: FREQ

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 23 Q5A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
10.0000	2	2	18.2	18.2	-1.20044
20.0000	1	3	9.1	27.3	-0.877580
30.0000	1	4	9.1	36.4	-0.554725
34.0000	1	5	9.1	45.5	-0.425582
40.0000	1	6	9.1	54.5	-0.231869
50.0000	1	7	9.1	63.6	0.0909866
60.0000	1	8	9.1	72.7	0.413842
75.0000	1	9	9.1	81.8	0.898126
90.0000	1	10	9.1	90.9	1.38241
100.000	1	11	9.1	100.0	1.70526
TOTAL	11	11	100.0	100.0	

VARIABLE: 24 Q5B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
10.0000	1	1	10.0	10.0	-1.47214
17.0000	1	2	10.0	20.0	-1.23415
25.0000	1	3	10.0	30.0	-0.962161
40.0000	1	4	10.0	40.0	-0.452182
55.0000	1	5	10.0	50.0	0.0577977
60.0000	1	6	10.0	60.0	0.227791
66.0000	1	7	10.0	70.0	0.431782
80.0000	1	8	10.0	80.0	0.907763
90.0000	2	10	20.0	100.0	1.24775
TOTAL	10	10	100.0	100.0	

VARIABLE: 25 Q5C

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	33.3	33.3	-0.736614
10.0000	1	2	33.3	66.7	-0.401790
33.0000	1	3	33.3	100.0	1.13840
TOTAL	3	3	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - PETRO REGION
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COMMAND: DESC

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

12 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
26 Q6A	9.66667	11.8884	141.333	3.43188	122.983
27 Q6B	69.1667	42.8970	1840.15	12.3833	62.0197
28 Q7	117.000	119.768	14344.4	34.5740	102.366

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
26 Q6A	1.00000	45.0000	44.0000	116.000
27 Q6B	5.00000	150.000	145.000	830.000
28 Q7	60.0000	480.000	420.000	1404.00

ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - PETRO REGION
REV#206

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COMMAND: DESC

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

12 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
29 Q8A	7.08333	2.06522	4.26515	0.596179	29.1561
30 Q8B	6.00000	2.17423	4.72727	0.627646	36.2372
31 Q8C	7.83333	1.52753	2.33333	0.440959	19.5003
32 Q8D	7.16667	2.12489	4.51515	0.613402	29.6496
33 Q9	5.58333	2.50303	6.26515	0.722562	44.8304

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
29 Q8A	3.00000	9.00000	6.00000	85.0000
30 Q8B	2.00000	10.0000	8.00000	72.0000
31 Q8C	5.00000	10.0000	5.00000	94.0000
32 Q8D	2.00000	10.0000	8.00000	86.0000
33 Q9	1.00000	9.00000	8.00000	67.0000



COMMAND: DESC

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
34 Q10A	12	0	0.0
35 Q10B	9	3	25.0
36 Q10C	11	1	8.3
37 Q10D	11	1	8.3
38 Q10E	12	0	0.0
39 Q10F	11	1	8.3

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
34 Q10A	8.25000	0.965307	0.931818	0.278660	11.7007
35 Q10B	6.66667	2.00000	4.00000	0.666667	30.0000
36 Q10C	6.81818	2.08893	4.36364	0.629837	30.6377
37 Q10D	6.81818	2.22792	4.96364	0.671744	32.6762
38 Q10E	7.25000	1.76455	3.11364	0.509382	24.3386
39 Q10F	7.54545	1.29334	1.67273	0.389957	17.1406

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
34 Q10A	7.00000	10.0000	3.00000	99.0000
35 Q10B	3.00000	10.0000	7.00000	60.0000
36 Q10C	3.00000	10.0000	7.00000	75.0000
37 Q10D	3.00000	10.0000	7.00000	75.0000
38 Q10E	4.00000	10.0000	6.00000	87.0000
39 Q10F	5.00000	10.0000	5.00000	83.0000



COMMAND: DESC

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
40 Q12A1	1	11	91.7
41 Q12A2	1	11	91.7
42 Q12A3	1	11	91.7
43 Q12A4	2	10	83.3
44 Q12B1	3	9	75.0
45 Q12B2	2	10	83.3
46 Q12B3	1	11	91.7
47 Q12B4	2	10	83.3

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
40 Q12A1	1.00000	0.00000	0.00000	0.00000	0.00000
41 Q12A2	99.00000	0.00000	0.00000	0.00000	0.00000
42 Q12A3	99.00000	0.00000	0.00000	0.00000	0.00000
43 Q12A4	50.00000	69.2965	4802.00	49.0000	138.593
44 Q12B1	1.00000	0.00000	0.00000	0.00000	0.00000
45 Q12B2	50.00000	69.2965	4802.00	49.0000	138.593
46 Q12B3	99.00000	0.00000	0.00000	0.00000	0.00000
47 Q12B4	50.00000	69.2965	4802.00	49.0000	138.593

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
40 Q12A1	1.00000	1.00000	0.00000	1.00000
41 Q12A2	99.0000	99.0000	0.00000	99.0000
42 Q12A3	99.0000	99.0000	0.00000	99.0000
43 Q12A4	1.00000	99.0000	98.0000	100.000
44 Q12B1	1.00000	1.00000	0.00000	3.00000
45 Q12B2	1.00000	99.0000	98.0000	100.000
46 Q12B3	99.0000	99.0000	0.00000	99.0000
47 Q12B4	1.00000	99.0000	98.0000	100.000



COMMAND: DESC

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
48 Q13A1	6	6	50.0
49 Q13A2	4	8	66.7
50 Q13A3	1	11	91.7
51 Q13A4	6	6	50.0
52 Q13B1	6	6	50.0
53 Q13B2	4	8	66.7
54 Q13B3	1	11	91.7
55 Q13B4	4	8	66.7

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
48 Q13A1	8.83333	11.4790	131.767	4.68627	129.951
49 Q13A2	25.7500	48.8356	2384.92	24.4178	189.653
50 Q13A3	99.0000	0.00000	0.00000	0.00000	0.00000
51 Q13A4	22.5000	39.1752	1534.70	15.9932	174.112
52 Q13B1	55.5000	57.2599	3278.70	23.3763	103.171
53 Q13B2	50.0000	51.6462	2667.33	25.8231	103.292
54 Q13B3	99.0000	0.00000	0.00000	0.00000	0.00000
55 Q13B4	27.2500	47.9053	2294.92	23.9526	175.799

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
48 Q13A1	1.00000	30.0000	29.0000	53.0000
49 Q13A2	1.00000	99.0000	98.0000	103.000
50 Q13A3	99.0000	99.0000	0.00000	99.0000
51 Q13A4	1.00000	99.0000	98.0000	135.000
52 Q13B1	1.00000	150.000	149.000	333.000
53 Q13B2	1.00000	99.0000	98.0000	200.000
54 Q13B3	99.0000	99.0000	0.00000	99.0000
55 Q13B4	1.00000	99.0000	98.0000	109.000

COMMAND: DESC

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
56 Q14A1	11	1	8.3
57 Q14A2	10	2	16.7
58 Q14A3	2	10	83.3
59 Q14A4	7	5	41.7
60 Q14B1	10	2	16.7
61 Q14B2	9	3	25.0
62 Q14B3	2	10	83.3
63 Q14B4	6	6	50.0
64 Q14C1	9	3	25.0
65 Q14C2	9	3	25.0
66 Q14C3	2	10	83.3
67 Q14C4	6	6	50.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
56 Q14A1	6.18182	2.08893	4.36364	0.629837	33.7915
57 Q14A2	7.40000	1.71270	2.93333	0.541603	23.1446
58 Q14A3	9.00000	1.41421	2.00000	1.00000	15.7135
59 Q14A4	7.85714	1.21499	1.47619	0.459221	15.4635
60 Q14B1	7.30000	1.05935	1.12222	0.334996	14.5116
61 Q14B2	7.33333	1.50000	2.25000	0.500000	20.4545
62 Q14B3	8.50000	2.12132	4.50000	1.50000	24.9567
63 Q14B4	7.83333	1.16905	1.36667	0.477261	14.9240
64 Q14C1	6.00000	1.65831	2.75000	0.552771	27.6385
65 Q14C2	6.55556	2.06828	4.27778	0.689426	31.5500
66 Q14C3	7.50000	3.53553	12.5000	2.50000	47.1405
67 Q14C4	8.00000	1.09545	1.20000	0.447214	13.6931

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
56 Q14A1	2.00000	9.00000	7.00000	68.0000
57 Q14A2	5.00000	10.0000	5.00000	74.0000
58 Q14A3	8.00000	10.0000	2.00000	18.0000
59 Q14A4	7.00000	10.0000	3.00000	55.0000
60 Q14B1	5.00000	9.00000	4.00000	73.0000
61 Q14B2	5.00000	10.0000	5.00000	66.0000
62 Q14B3	7.00000	10.0000	3.00000	17.0000
63 Q14B4	7.00000	10.0000	3.00000	47.0000
64 Q14C1	4.00000	9.00000	5.00000	54.0000
65 Q14C2	4.00000	10.0000	6.00000	59.0000
66 Q14C3	5.00000	10.0000	5.00000	15.0000
67 Q14C4	7.00000	10.0000	3.00000	48.0000



COMMAND: DESC

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
68 Q15A1	10	2	16.7
69 Q15A2	5	7	58.3
70 Q15A3	1	11	91.7
71 Q15A4	4	8	66.7
72 Q15B1	7	5	41.7
73 Q15B2	7	5	41.7
74 Q15B3	1	11	91.7
75 Q15B4	5	7	58.3
76 Q15C1	10	2	16.7
77 Q15C2	6	6	50.0
78 Q15C3	1	11	91.7
79 Q15C4	6	6	50.0
80 Q15D1	12	0	0.0
81 Q15D2	9	3	25.0
82 Q15D3	2	10	83.3
83 Q15D4	5	7	58.3
84 Q15E1	10	2	16.7
85 Q15E2	5	7	58.3
86 Q15E3	2	10	83.3
87 Q15E4	5	7	58.3

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
68 Q15A1	7.70000	1.41814	2.01111	0.448454	18.4174
69 Q15A2	7.60000	1.81659	3.30000	0.812404	23.9025
70 Q15A3	8.00000	0.00000	0.00000	0.00000	0.00000
71 Q15A4	6.75000	0.957427	0.916667	0.478714	14.1841
72 Q15B1	7.14286	1.34519	1.80952	0.508432	18.8326
73 Q15B2	7.14286	1.21499	1.47619	0.459221	17.0098
74 Q15B3	9.00000	0.00000	0.00000	0.00000	0.00000
75 Q15B4	7.00000	1.58114	2.50000	0.707107	22.5877
76 Q15C1	6.50000	1.84089	3.38889	0.582142	28.3214
77 Q15C2	7.00000	1.41421	2.00000	0.577350	20.2031
78 Q15C3	9.00000	0.00000	0.00000	0.00000	0.00000
79 Q15C4	7.33333	1.50555	2.26667	0.614636	20.5302
80 Q15D1	7.25000	2.09436	4.38636	0.604591	28.8878
81 Q15D2	7.44444	2.06828	4.27778	0.689426	27.7829
82 Q15D3	7.50000	3.53553	12.5000	2.50000	47.1405
83 Q15D4	7.20000	2.16795	4.70000	0.969536	30.1104
84 Q15E1	7.50000	1.08012	1.16667	0.341565	14.4016
85 Q15E2	7.80000	1.92354	3.70000	0.860233	24.6607
86 Q15E3	9.00000	1.41421	2.00000	1.00000	15.7135
87 Q15E4	8.20000	1.09545	1.20000	0.489898	13.3591



COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
68 Q15A1	6.00000	10.0000	4.00000	77.0000
69 Q15A2	6.00000	10.0000	4.00000	38.0000
70 Q15A3	8.00000	8.00000	0.00000	8.00000
71 Q15A4	6.00000	8.00000	2.00000	27.0000
72 Q15B1	5.00000	9.00000	4.00000	50.0000
73 Q15B2	5.00000	9.00000	4.00000	50.0000
74 Q15B3	9.00000	9.00000	0.00000	9.00000
75 Q15B4	5.00000	9.00000	4.00000	35.0000
76 Q15C1	3.00000	9.00000	6.00000	65.0000
77 Q15C2	5.00000	9.00000	4.00000	42.0000
78 Q15C3	9.00000	9.00000	0.00000	9.00000
79 Q15C4	5.00000	9.00000	4.00000	44.0000
80 Q15D1	2.00000	10.0000	8.00000	87.0000
81 Q15D2	4.00000	10.0000	6.00000	67.0000
82 Q15D3	5.00000	10.0000	5.00000	15.0000
83 Q15D4	4.00000	10.0000	6.00000	36.0000
84 Q15E1	6.00000	10.0000	4.00000	75.0000
85 Q15E2	5.00000	10.0000	5.00000	39.0000
86 Q15E3	8.00000	10.0000	2.00000	18.0000
87 Q15E4	7.00000	10.0000	3.00000	41.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - PETRO REGION
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COMMAND: DESC

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

11 CASES (91.7%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
88 Q16	7.81818	1.40130	1.96364	0.422507	17.9236

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
88 Q16	5.00000	9.00000	4.00000	86.0000



COMMAND: FREQ

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 89 Q17

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	10.0	10.0	-1.92607
2.00000	5	6	50.0	60.0	-0.444478
3.00000	4	10	40.0	100.0	1.03712
TOTAL	10	10	100.0	100.0	

VARIABLE: 90 Q18A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	5	5	45.5	45.5	-1.04447
2.00000	6	11	54.5	100.0	0.870388
TOTAL	11	11	100.0	100.0	

VARIABLE: 91 Q18B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	3	3	60.0	60.0	-0.730297
2.00000	2	5	40.0	100.0	1.09545
TOTAL	5	5	100.0	100.0	



COMMAND: DESC

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
92 Q20A	12	0	0.0
93 Q20B	10	2	16.7
94 Q20C	12	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
92 Q20A	7.00000	1.80907	3.27273	0.522233	25.8438
93 Q20B	7.10000	2.33095	5.43333	0.737111	32.8303
94 Q20C	7.08333	2.46644	6.08333	0.712000	34.8203

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
92 Q20A	4.00000	9.00000	5.00000	84.0000
93 Q20B	2.00000	9.00000	7.00000	71.0000
94 Q20C	1.00000	10.0000	9.00000	85.0000



COMMAND: DESC

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
95 Q20D1	8	4	33.3
96 Q20D2	12	0	0.0
97 Q20D3	10	2	16.7

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
95 Q20D1	24.8937	45.7406	2092.20	16.1717	183.743
96 Q20D2	0.729167	0.545735	0.297827	0.157540	74.8436
97 Q20D3	17.2000	29.0930	846.400	9.20000	169.145

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
95 Q20D1	0.0300000	99.0000	98.9700	199.150
96 Q20D2	0.120000	2.00000	1.88000	8.75000
97 Q20D3	1.00000	99.0000	98.0000	172.000



COMMAND: FREQ

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 98 Q20E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	9	9	75.0	75.0	-0.552771
2.00000	3	12	25.0	100.0	1.65831
TOTAL	12	12	100.0	100.0	

VARIABLE: 99 Q20F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	9	9	75.0	75.0	-0.552771
2.00000	3	12	25.0	100.0	1.65831
TOTAL	12	12	100.0	100.0	

VARIABLE: 100 Q21A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	8	8	66.7	66.7	-0.677003
2.00000	4	12	33.3	100.0	1.35401
TOTAL	12	12	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 101 Q22A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	5	5	55.6	55.6	-0.843274
2.00000	4	9	44.4	100.0	1.05409
TOTAL	9	9	100.0	100.0	

VARIABLE: 102 Q22B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	6	6	54.5	54.5	-0.870388
2.00000	5	11	45.5	100.0	1.04447
TOTAL	11	11	100.0	100.0	

VARIABLE: 103 Q24A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	9	9	90.0	90.0	-0.316228
2.00000	1	10	10.0	100.0	2.84605
TOTAL	10	10	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - PETRO REGION
REV#206 APR 30 '87

PAGE 23

COMMAND: DESC

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

11 CASES (91.7%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
104 Q24B	7.72727	1.42063	2.01818	0.428335	18.3846

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
104 Q24B	5.00000	10.0000	5.00000	85.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - PETRO REGION
REV#206 APR 30 '87

PAGE 24

COMMAND: FREQ

SELECTION ON VAR 4 REGION = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 105 Q26A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	7	7	63.6	63.6	-0.688395
2.00000	1	8	9.1	72.7	0.393369
3.00000	3	11	27.3	100.0	1.47513
TOTAL	11	11	100.0	100.0	







ABSTAT 4.07

FILE: ZCR3

CRAY USER SATISFACTION SURVEY - WEST REGION
REV#206

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PAGE 1

COMMAND: FREQ

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 10 Q1D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	4	4	26.7	26.7	-1.60208
2.00000	11	15	73.3	100.0	0.582575
TOTAL	15	15	100.0	100.0	



COMMAND: DESC

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

16 CASES (28.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
11 Q2A	16	0	0.0
12 Q2B	16	0	0.0
13 Q2C1	16	0	0.0
14 Q2C2	16	0	0.0
15 Q2C3	16	0	0.0
16 Q2C4	16	0	0.0
17 Q2D	15	1	6.3
18 Q2E	16	0	0.0
19 Q2F	16	0	0.0
20 Q2G	16	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
11 Q2A	9.18750	0.834166	0.695833	0.208542	9.07936
12 Q2B	7.93750	1.98221	3.92917	0.495553	24.9728
13 Q2C1	7.00000	2.80476	7.86667	0.701189	40.0680
14 Q2C2	7.12500	2.70493	7.31667	0.676233	37.9640
15 Q2C3	5.00000	2.06559	4.26667	0.516398	41.3118
16 Q2C4	6.12500	2.30579	5.31667	0.576447	37.6455
17 Q2D	7.06667	2.57645	6.63810	0.665237	36.4592
18 Q2E	5.31250	2.72565	7.42917	0.681412	51.3063
19 Q2F	6.81250	2.13600	4.56250	0.534000	31.3541
20 Q2G	6.93750	2.14379	4.59583	0.535947	30.9015

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
11 Q2A	8.00000	10.0000	2.00000	147.000
12 Q2B	4.00000	10.0000	6.00000	127.000
13 Q2C1	1.00000	10.0000	9.00000	112.000
14 Q2C2	1.00000	10.0000	9.00000	114.000
15 Q2C3	1.00000	8.00000	7.00000	80.0000
16 Q2C4	1.00000	8.00000	7.00000	98.0000
17 Q2D	1.00000	10.0000	9.00000	106.000
18 Q2E	1.00000	9.00000	8.00000	85.0000
19 Q2F	2.00000	10.0000	8.00000	109.000
20 Q2G	2.00000	10.0000	8.00000	111.000

COMMAND: FREQ

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 11 Q2A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
8.00000	4	4	25.0	25.0	-1.42358
9.00000	5	9	31.3	56.3	-0.224775
10.0000	7	16	43.8	100.0	0.974026
TOTAL	16	16	100.0	100.0	

VARIABLE: 12 Q2B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	1	1	6.3	6.3	-1.98642
5.00000	2	3	12.5	18.8	-1.48193
6.00000	1	4	6.3	25.0	-0.977443
7.00000	1	5	6.3	31.3	-0.472956
8.00000	3	8	18.8	50.0	0.0315304
9.00000	4	12	25.0	75.0	0.536017
10.0000	4	16	25.0	100.0	1.04050
TOTAL	16	16	100.0	100.0	

VARIABLE: 13 Q2C1

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	12.5	12.5	-2.13922
5.00000	2	4	12.5	25.0	-0.713074
6.00000	1	5	6.3	31.3	-0.356537
7.00000	1	6	6.3	37.5	5.188296E-12
8.00000	6	12	37.5	75.0	0.356537
9.00000	1	13	6.3	81.3	0.713074
10.0000	3	16	18.8	100.0	1.06961
TOTAL	16	16	100.0	100.0	

COMMAND: FREQ

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 14 Q2C2

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	12.5	12.5	-2.26438
5.00000	1	3	6.3	18.8	-0.785601
6.00000	1	4	6.3	25.0	-0.415907
7.00000	1	5	6.3	31.3	-0.0462119
8.00000	7	12	43.8	75.0	0.323483
9.00000	2	14	12.5	87.5	0.693178
10.0000	2	16	12.5	100.0	1.06287
TOTAL	16	16	100.0	100.0	

VARIABLE: 15 Q2C3

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	12.5	12.5	-1.93649
2.00000	1	3	6.3	18.8	-1.45237
4.00000	1	4	6.3	25.0	-0.484123
5.00000	4	8	25.0	50.0	3.522458E-12
6.00000	5	13	31.3	81.3	0.484123
7.00000	2	15	12.5	93.8	0.968246
8.00000	1	16	6.3	100.0	1.45237
TOTAL	16	16	100.0	100.0	

VARIABLE: 16 Q2C4

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	12.5	12.5	-2.22267
5.00000	3	5	18.8	31.3	-0.487902
6.00000	2	7	12.5	43.8	-0.0542114
7.00000	3	10	18.8	62.5	0.379480
8.00000	6	16	37.5	100.0	0.813170
TOTAL	16	16	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - WEST REGION
REV#206

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PAGE 5

COMMAND: FREQ

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 17 Q2D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	13.3	13.3	-2.35466
7.00000	3	5	20.0	33.3	-0.0258754
8.00000	8	13	53.3	86.7	0.362256
9.00000	1	14	6.7	93.3	0.750386
10.0000	1	15	6.7	100.0	1.13852
TOTAL	15	15	100.0	100.0	

VARIABLE: 18 Q2E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	12.5	12.5	-1.58219
2.00000	1	3	6.3	18.8	-1.21531
3.00000	1	4	6.3	25.0	-0.848422
4.00000	3	7	18.8	43.8	-0.481537
5.00000	1	8	6.3	50.0	-0.114652
6.00000	2	10	12.5	62.5	0.252233
7.00000	1	11	6.3	68.8	0.619118
8.00000	3	14	18.8	87.5	0.986003
9.00000	2	16	12.5	100.0	1.35289
TOTAL	16	16	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 19 Q2F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	6.3	6.3	-2.25304
5.00000	4	5	25.0	31.3	-0.848548
6.00000	3	8	18.8	50.0	-0.380384
8.00000	4	12	25.0	75.0	0.555945
9.00000	3	15	18.8	93.8	1.02411
10.0000	1	16	6.3	100.0	1.49227
TOTAL	16	16	100.0	100.0	

VARIABLE: 20 Q2G

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	6.3	6.3	-2.30316
4.00000	1	2	6.3	12.5	-1.37024
5.00000	2	4	12.5	25.0	-0.903773
6.00000	2	6	12.5	37.5	-0.437310
7.00000	2	8	12.5	50.0	0.0291540
8.00000	4	12	25.0	75.0	0.495618
9.00000	3	15	18.8	93.8	0.962081
10.0000	1	16	6.3	100.0	1.42855
TOTAL	16	16	100.0	100.0	



COMMAND: DESC

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
 MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

16 CASES (28.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
21 Q4	16	0	0.0
22 Q5	16	0	0.0
23 Q5A	15	1	6.3
24 Q5B	15	1	6.3
25 Q5C	8	8	50.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
21 Q4	71.8750	28.9180	836.250	7.22950	40.2337
22 Q5	7.75000	5.15752	26.6000	1.28938	66.5486
23 Q5A	55.4667	26.2185	687.410	6.76959	47.2689
24 Q5B	42.3333	29.4683	868.381	7.60868	69.6102
25 Q5C	16.6250	11.1347	123.982	3.93672	66.9758

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
21 Q4	5.00000	100.000	95.0000	1150.00
22 Q5	3.00000	20.0000	17.0000	124.000
23 Q5A	20.0000	98.0000	78.0000	832.000
24 Q5B	5.00000	100.000	95.0000	635.000
25 Q5C	2.00000	34.0000	32.0000	133.000



COMMAND: FREQ

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
 MISSING VALUE TREATMENT: VARWISE

VARIABLE: 23 Q5A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
20.0000	2	2	13.3	13.3	-1.35273
25.0000	2	4	13.3	26.7	-1.16203
33.0000	1	5	6.7	33.3	-0.856901
50.0000	2	7	13.3	46.7	-0.208504
60.0000	1	8	6.7	53.3	0.172906
67.0000	1	9	6.7	60.0	0.439893
68.0000	1	10	6.7	66.7	0.478034
71.0000	1	11	6.7	73.3	0.592457
75.0000	2	13	13.3	86.7	0.745021
95.0000	1	14	6.7	93.3	1.50784
98.0000	1	15	6.7	100.0	1.62226
TOTAL	15	15	100.0	100.0	

VARIABLE: 24 Q5B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	6.7	6.7	-1.26690
6.00000	2	3	13.3	20.0	-1.23296
20.0000	1	4	6.7	26.7	-0.757876
25.0000	2	6	13.3	40.0	-0.588203
33.0000	2	8	13.3	53.3	-0.316724
50.0000	2	10	13.3	66.7	0.260167
60.0000	1	11	6.7	73.3	0.599514
67.0000	1	12	6.7	80.0	0.837058
75.0000	1	13	6.7	86.7	1.10854
80.0000	1	14	6.7	93.3	1.27821
100.000	1	15	6.7	100.0	1.95690
TOTAL	15	15	100.0	100.0	

VARIABLE: 25 Q5C

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	12.5	12.5	-1.31346
5.00000	1	2	12.5	25.0	-1.04403
8.00000	1	3	12.5	37.5	-0.774604
15.0000	1	4	12.5	50.0	-0.145940
20.0000	1	5	12.5	62.5	0.303106
23.0000	1	6	12.5	75.0	0.572533
26.0000	1	7	12.5	87.5	0.841960
34.0000	1	8	12.5	100.0	1.56043
TOTAL	8	8	100.0	100.0	

ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - WEST REGION
REV#206

APR 30 '87

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COMMAND: DESC

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

16 CASES (28.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
26 Q6A	16	0	0.0
27 Q6B	16	0	0.0
28 Q7	13	3	18.8

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
26 Q6A	8.93750	15.1942	230.862	3.79854	170.005
27 Q6B	54.0625	33.0766	1094.06	8.26915	61.1822
28 Q7	102.846	75.3711	5680.81	20.9042	73.2853

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
26 Q6A	1.00000	60.0000	59.0000	143.000
27 Q6B	5.00000	120.000	115.000	865.000
28 Q7	30.0000	240.000	210.000	1337.00



COMMAND: DESC

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

16 CASES (28.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
29 Q8A	15	1	6.3
30 Q8B	16	0	0.0
31 Q8C	15	1	6.3
32 Q8D	15	1	6.3
33 Q9	11	5	31.3

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
29 Q8A	8.33333	1.34519	1.80952	0.347325	16.1422
30 Q8B	6.31250	2.27211	5.16250	0.568028	35.9939
31 Q8C	9.13333	0.915475	0.838095	0.236375	10.0235
32 Q8D	8.06667	1.48645	2.20952	0.383799	18.4270
33 Q9	5.90909	1.70027	2.89091	0.512650	28.7738

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
29 Q8A	5.00000	10.0000	5.00000	125.000
30 Q8B	2.00000	10.0000	8.00000	101.000
31 Q8C	7.00000	10.0000	3.00000	137.000
32 Q8D	5.00000	10.0000	5.00000	121.000
33 Q9	3.00000	9.00000	6.00000	65.0000

COMMAND: DESC

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

16 CASES (28.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
34 Q10A	15	1	6.3
35 Q10B	9	7	43.8
36 Q10C	14	2	12.5
37 Q10D	16	0	0.0
38 Q10E	16	0	0.0
39 Q10F	14	2	12.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
34 Q10A	8.80000	1.26491	1.60000	0.326599	14.3740
35 Q10B	7.11111	1.90029	3.61111	0.633431	26.7229
36 Q10C	7.71429	2.05421	4.21978	0.549011	26.6287
37 Q10D	7.43750	2.42126	5.86250	0.605315	32.5548
38 Q10E	8.50000	1.15470	1.33333	0.288675	13.5847
39 Q10F	8.42857	1.01635	1.03297	0.271631	12.0584

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
34 Q10A	6.00000	10.0000	4.00000	132.000
35 Q10B	4.00000	10.0000	6.00000	64.0000
36 Q10C	3.00000	10.0000	7.00000	108.000
37 Q10D	2.00000	10.0000	8.00000	119.000
38 Q10E	6.00000	10.0000	4.00000	136.000
39 Q10F	6.00000	10.0000	4.00000	118.000



COMMAND: DESC

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

16 CASES (28.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
40 Q12A1	2	14	87.5
41 Q12A2	2	14	87.5
42 Q12A3	2	14	87.5
43 Q12A4	3	13	81.3
44 Q12B1	3	13	81.3
45 Q12B2	3	13	81.3
46 Q12B3	2	14	87.5
47 Q12B4	3	13	81.3

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
40 Q12A1	186.000	253.144	64082.0	179.000	136.099
41 Q12A2	183.500	256.680	65884.5	181.500	139.880
42 Q12A3	64.5000	48.7904	2380.50	34.5000	75.6440
43 Q12A4	1.00000	0.00000	0.00000	0.00000	0.00000
44 Q12B1	127.000	206.201	42519.0	119.050	162.363
45 Q12B2	124.000	208.718	43563.0	120.503	168.321
46 Q12B3	94.5000	6.36396	40.5000	4.50000	6.73435
47 Q12B4	1.00000	0.00000	0.00000	0.00000	0.00000

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
40 Q12A1	7.00000	365.000	358.000	372.000
41 Q12A2	2.00000	365.000	363.000	367.000
42 Q12A3	30.0000	99.0000	69.0000	129.000
43 Q12A4	1.00000	1.00000	0.00000	3.00000
44 Q12B1	2.00000	365.000	363.000	381.000
45 Q12B2	2.00000	365.000	363.000	372.000
46 Q12B3	90.0000	99.0000	9.00000	189.000
47 Q12B4	1.00000	1.00000	0.00000	3.00000

ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - WEST REGION
REV#206 APR 30 '87

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COMMAND: DESC

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

16 CASES (28.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
48 Q13A1	9	7	43.8
49 Q13A2	12	4	25.0
50 Q13A3	4	12	75.0
51 Q13A4	5	11	68.8
52 Q13B1	11	5	31.3
53 Q13B2	13	3	18.8
54 Q13B3	4	12	75.0
55 Q13B4	7	9	56.3

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
48 Q13A1	57.1111	121.721	14816.1	40.5738	213.131
49 Q13A2	79.3333	110.483	12206.4	31.8936	139.264
50 Q13A3	64.0000	54.0555	2922.00	27.0278	84.4618
51 Q13A4	67.8000	78.6905	6192.20	35.1915	116.063
52 Q13B1	107.000	111.639	12463.2	33.6603	104.335
53 Q13B2	123.846	125.250	15687.6	34.7382	101.134
54 Q13B3	137.250	49.5000	2450.25	24.7500	36.0656
55 Q13B4	75.4286	82.0810	6737.29	31.0237	108.819

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
48 Q13A1	1.00000	365.000	364.000	514.000
49 Q13A2	1.00000	365.000	364.000	952.000
50 Q13A3	7.00000	120.000	113.000	256.000
51 Q13A4	2.00000	180.000	178.000	339.000
52 Q13B1	1.00000	365.000	364.000	1177.000
53 Q13B2	2.00000	365.000	363.000	1610.000
54 Q13B3	90.0000	180.000	90.0000	549.000
55 Q13B4	1.00000	180.000	179.000	528.000



COMMAND: DESC

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

16 CASES (28.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
56 Q14A1	14	2	12.5
57 Q14A2	13	3	18.8
58 Q14A3	4	12	75.0
59 Q14A4	9	7	43.8
60 Q14B1	13	3	18.8
61 Q14B2	14	2	12.5
62 Q14B3	5	11	68.8
63 Q14B4	8	8	50.0
64 Q14C1	13	3	18.8
65 Q14C2	13	3	18.8
66 Q14C3	4	12	75.0
67 Q14C4	6	10	62.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
56 Q14A1	7.28571	1.89852	3.60440	0.507402	26.0582
57 Q14A2	7.61538	1.89466	3.58974	0.525485	24.8794
58 Q14A3	6.00000	2.00000	4.00000	1.00000	33.3333
59 Q14A4	7.44444	1.58990	2.52778	0.529966	21.3568
60 Q14B1	7.30769	2.68901	7.23077	0.745797	36.7970
61 Q14B2	6.92857	2.23484	4.99451	0.597286	32.2554
62 Q14B3	6.60000	2.19089	4.80000	0.979796	33.1953
63 Q14B4	8.25000	0.707107	0.500000	0.250000	8.57099
64 Q14C1	6.84615	2.54448	6.47436	0.705711	37.1665
65 Q14C2	6.92308	2.06000	4.24359	0.571341	29.7555
66 Q14C3	5.50000	1.91485	3.66667	0.957427	34.8155
67 Q14C4	7.33333	1.75119	3.06667	0.714920	23.8799

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
56 Q14A1	2.00000	10.0000	8.00000	102.000
57 Q14A2	3.00000	10.0000	7.00000	99.0000
58 Q14A3	3.00000	7.00000	4.00000	24.0000
59 Q14A4	5.00000	10.0000	5.00000	67.0000
60 Q14B1	1.00000	10.0000	9.00000	95.0000
61 Q14B2	2.00000	10.0000	8.00000	97.0000
62 Q14B3	3.00000	9.00000	6.00000	33.0000
63 Q14B4	7.00000	9.00000	2.00000	66.0000
64 Q14C1	1.00000	10.0000	9.00000	89.0000
65 Q14C2	2.00000	10.0000	8.00000	90.0000
66 Q14C3	3.00000	7.00000	4.00000	22.0000
67 Q14C4	4.00000	9.00000	5.00000	44.0000



COMMAND: DESC

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

16 CASES (28.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
68 Q15A1	11	5	31.3
69 Q15A2	6	10	62.5
70 Q15A3	0	16	100.0
71 Q15A4	5	11	68.8
72 Q15B1	11	5	31.3
73 Q15B2	12	4	25.0
74 Q15B3	2	14	87.5
75 Q15B4	6	10	62.5
76 Q15C1	10	6	37.5
77 Q15C2	6	10	62.5
78 Q15C3	2	14	87.5
79 Q15C4	4	12	75.0
80 Q15D1	13	3	18.8
81 Q15D2	14	2	12.5
82 Q15D3	3	13	81.3
83 Q15D4	6	10	62.5
84 Q15E1	10	6	37.5
85 Q15E2	10	6	37.5
86 Q15E3	3	13	81.3
87 Q15E4	8	8	50.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
68 Q15A1	7.00000	1.67332	2.80000	0.504525	23.9046
69 Q15A2	6.83333	1.16905	1.36667	0.477261	17.1080
70 Q15A3	0.00000	0.00000	0.00000	0.00000	0.00000
71 Q15A4	6.80000	2.16795	4.70000	0.969536	31.8816
72 Q15B1	6.90909	1.51357	2.29091	0.456360	21.9070
73 Q15B2	7.75000	1.28806	1.65909	0.371830	16.6201
74 Q15B3	8.50000	0.707107	0.500000	0.500000	8.31890
75 Q15B4	6.66667	1.50555	2.26667	0.614636	22.5832
76 Q15C1	7.10000	1.91195	3.65556	0.604612	26.9289
77 Q15C2	7.66667	0.816497	0.666667	0.333333	10.6500
78 Q15C3	7.00000	2.82843	8.00000	2.00000	40.4061
79 Q15C4	7.75000	0.957427	0.916667	0.478714	12.3539
80 Q15D1	7.53846	1.98391	3.93590	0.550238	26.3172
81 Q15D2	7.35714	2.23975	5.01648	0.598599	30.4432
82 Q15D3	6.33333	2.08167	4.33333	1.20185	32.8684
83 Q15D4	6.66667	3.26599	10.6667	1.33333	48.9898
84 Q15E1	7.60000	1.64655	2.71111	0.520683	21.6651
85 Q15E2	7.70000	1.15950	1.34444	0.366667	15.0585
86 Q15E3	7.33333	0.577350	0.333333	0.333333	7.87296
87 Q15E4	8.00000	1.30931	1.71429	0.462910	16.3663



COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
68 Q15A1	4.00000	9.00000	5.00000	77.0000
69 Q15A2	5.00000	8.00000	3.00000	41.0000
70 Q15A3	MISSING	MISSING	0.00000	0.00000
71 Q15A4	4.00000	9.00000	5.00000	34.0000
72 Q15B1	4.00000	9.00000	5.00000	76.0000
73 Q15B2	5.00000	9.00000	4.00000	93.0000
74 Q15B3	8.00000	9.00000	1.00000	17.0000
75 Q15B4	5.00000	9.00000	4.00000	40.0000
76 Q15C1	3.00000	10.0000	7.00000	71.0000
77 Q15C2	7.00000	9.00000	2.00000	46.0000
78 Q15C3	5.00000	9.00000	4.00000	14.0000
79 Q15C4	7.00000	9.00000	2.00000	31.0000
80 Q15D1	3.00000	10.0000	7.00000	98.0000
81 Q15D2	2.00000	10.0000	8.00000	103.000
82 Q15D3	4.00000	8.00000	4.00000	19.0000
83 Q15D4	1.00000	10.0000	9.00000	40.0000
84 Q15E1	4.00000	10.0000	6.00000	76.0000
85 Q15E2	6.00000	10.0000	4.00000	77.0000
86 Q15E3	7.00000	8.00000	1.00000	22.0000
87 Q15E4	6.00000	10.0000	4.00000	64.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - WEST REGION
REV#206

APR 30 '87

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COMMAND: DESC

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

16 CASES (28.1%) ARE IN THIS SUBSET

16 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
88 Q16	8.68750	0.873212	0.762500	0.218303	10.0514

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
88 Q16	7.00000	10.0000	3.00000	139.000

COMMAND: FREQ

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
 MISSING VALUE TREATMENT: VARWISE

VARIABLE: 89 Q17

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	4	4	28.6	28.6	-1.35717
2.00000	9	13	64.3	92.9	0.370138
3.00000	1	14	7.1	100.0	2.09745
TOTAL	14	14	100.0	100.0	

VARIABLE: 90 Q18A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	3	3	20.0	20.0	-1.93218
2.00000	12	15	80.0	100.0	0.483046
TOTAL	15	15	100.0	100.0	

VARIABLE: 91 Q18B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	33.3	33.3	-1.15470
2.00000	2	3	66.7	100.0	0.577350
TOTAL	3	3	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - WEST REGION
REV#206

APR 30 '87

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COMMAND: DESC

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

16 CASES (28.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
92 Q20A	16	0	0.0
93 Q20B	14	2	12.5
94 Q20C	16	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
92 Q20A	8.56250	1.50416	2.26250	0.376040	17.5668
93 Q20B	7.78571	1.62569	2.64286	0.434483	20.8804
94 Q20C	8.81250	1.16726	1.36250	0.291815	13.2455

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
92 Q20A	4.00000	10.0000	6.00000	137.000
93 Q20B	5.00000	10.0000	5.00000	109.000
94 Q20C	7.00000	10.0000	3.00000	141.000

ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - WEST REGION
REV#206

APR 30 '87

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COMMAND: DESC

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

16 CASES (28.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
95 Q20D1	14	2	12.5
96 Q20D2	16	0	0.0
97 Q20D3	16	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
95 Q20D1	0.530000	1.58028	2.49729	0.422348	298.166
96 Q20D2	0.595000	0.695989	0.484400	0.173997	116.973
97 Q20D3	4.12688	3.40101	11.5669	0.850253	82.4113

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
95 Q20D1	0.0300000	6.00000	5.97000	7.42000
96 Q20D2	0.100000	3.00000	2.90000	9.52000
97 Q20D3	0.0300000	12.0000	11.9700	66.0300

ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - WEST REGION
REV#206

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COMMAND: FREQ

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 98 Q20E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	15	15	93.8	93.8	-0.250000
2.00000	1	16	6.3	100.0	3.75000
TOTAL	16	16	100.0	100.0	

VARIABLE: 99 Q20F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	14	14	93.3	93.3	-0.258199
2.00000	1	15	6.7	100.0	3.61478
TOTAL	15	15	100.0	100.0	

VARIABLE: 100 Q21A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	10	10	62.5	62.5	-0.750000
2.00000	6	16	37.5	100.0	1.25000
TOTAL	16	16	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 101 Q22A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	5	5	35.7	35.7	-1.29284
2.00000	9	14	64.3	100.0	0.718243
TOTAL	14	14	100.0	100.0	

VARIABLE: 102 Q22B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	10	10	66.7	66.7	-0.683130
2.00000	5	15	33.3	100.0	1.36626
TOTAL	15	15	100.0	100.0	

VARIABLE: 103 Q24A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	9	9	56.3	56.3	-0.853913
2.00000	7	16	43.8	100.0	1.09789
TOTAL	16	16	100.0	100.0	

ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - WEST REGION
REV#206

APR 30 '87

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COMMAND: DESC

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

16 CASES (28.1%) ARE IN THIS SUBSET

15 CASES (93.8%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
104 Q24B	7.33333	1.39728	1.95238	0.360775	19.0538

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
104 Q24B	3.00000	9.00000	6.00000	110.000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - WEST REGION
REV#206

APR 30 '87

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COMMAND: FREQ

SELECTION ON VAR 4 REGION = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 105 Q26A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	14	14	93.3	93.3	-0.258199
3.00000	1	15	6.7	100.0	3.61478
TOTAL	15	15	100.0	100.0	







ABSTAT 4.07

FILE: ZCR3

CRAY USER SATISFACTION SURVEY - COS USERS

REV#206

APR 30 '87

PAGE 1

COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 10 Q1D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	21	21	50.0	50.0	-0.988024
2.00000	21	42	50.0	100.0	0.988024
TOTAL	42	42	100.0	100.0	



COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

42 CASES (73.7%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
11 Q2A	42	0	0.0
12 Q2B	42	0	0.0
13 Q2C1	42	0	0.0
14 Q2C2	42	0	0.0
15 Q2C3	42	0	0.0
16 Q2C4	41	1	2.4
17 Q2D	41	1	2.4
18 Q2E	42	0	0.0
19 Q2F	42	0	0.0
20 Q2G	42	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
11 Q2A	8.88095	1.01699	1.03426	0.156924	11.4513
12 Q2B	8.45238	1.56490	2.44890	0.241469	18.5143
13 Q2C1	7.95238	1.43054	2.04646	0.220738	17.9889
14 Q2C2	8.07143	1.33239	1.77526	0.205592	16.5075
15 Q2C3	6.23810	1.89749	3.60046	0.292789	30.4178
16 Q2C4	7.14634	1.79668	3.22805	0.280594	25.1412
17 Q2D	7.75610	1.29962	1.68902	0.202967	16.7562
18 Q2E	6.38095	2.64992	7.02207	0.408891	41.5286
19 Q2F	7.21429	1.67530	2.80662	0.258504	23.2219
20 Q2G	8.00000	1.66748	2.78049	0.257298	20.8435

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
11 Q2A	7.00000	10.0000	3.00000	373.000
12 Q2B	4.00000	10.0000	6.00000	355.000
13 Q2C1	5.00000	10.0000	5.00000	334.000
14 Q2C2	5.00000	10.0000	5.00000	339.000
15 Q2C3	2.00000	9.00000	7.00000	262.000
16 Q2C4	2.00000	10.0000	8.00000	293.000
17 Q2D	5.00000	10.0000	5.00000	318.000
18 Q2E	1.00000	10.0000	9.00000	268.000
19 Q2F	2.00000	10.0000	8.00000	303.000
20 Q2G	4.00000	10.0000	6.00000	336.000

COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 11 Q2A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
7.00000	5	5	11.9	11.9	-1.84953
8.00000	9	14	21.4	33.3	-0.866238
9.00000	14	28	33.3	66.7	0.117059
10.0000	14	42	33.3	100.0	1.10036
TOTAL	42	42	100.0	100.0	

VARIABLE: 12 Q2B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	1	1	2.4	2.4	-2.84516
5.00000	2	3	4.8	7.1	-2.20614
6.00000	2	5	4.8	11.9	-1.56712
7.00000	5	10	11.9	23.8	-0.928101
8.00000	6	16	14.3	38.1	-0.289081
9.00000	14	30	33.3	71.4	0.349940
10.0000	12	42	28.6	100.0	0.988960
TOTAL	42	42	100.0	100.0	

VARIABLE: 13 Q2C1

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	3	3	7.1	7.1	-2.06382
6.00000	4	7	9.5	16.7	-1.36478
7.00000	7	14	16.7	33.3	-0.665747
8.00000	12	26	28.6	61.9	0.0332874
9.00000	10	36	23.8	85.7	0.732322
10.0000	6	42	14.3	100.0	1.43136
TOTAL	42	42	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
 MISSING VALUE TREATMENT: VARWISE

VARIABLE: 14 Q2C2

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	3	3	7.1	7.1	-2.30520
6.00000	2	5	4.8	11.9	-1.55467
7.00000	6	11	14.3	26.2	-0.804141
8.00000	14	25	33.3	59.5	-0.0536094
9.00000	12	37	28.6	88.1	0.696922
10.0000	5	42	11.9	100.0	1.44745
TOTAL	42	42	100.0	100.0	

VARIABLE: 15 Q2C3

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	3	3	7.1	7.1	-2.23353
3.00000	3	6	7.1	14.3	-1.70652
4.00000	1	7	2.4	16.7	-1.17950
5.00000	4	11	9.5	26.2	-0.652491
6.00000	7	18	16.7	42.9	-0.125479
7.00000	13	31	31.0	73.8	0.401533
8.00000	9	40	21.4	95.2	0.928545
9.00000	2	42	4.8	100.0	1.45556
TOTAL	42	42	100.0	100.0	

VARIABLE: 16 Q2C4

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	2.4	2.4	-2.86437
3.00000	2	3	4.9	7.3	-2.30778
4.00000	1	4	2.4	9.8	-1.75120
5.00000	2	6	4.9	14.6	-1.19462
6.00000	4	10	9.8	24.4	-0.638034
7.00000	11	21	26.8	51.2	-0.0814512
8.00000	11	32	26.8	78.0	0.475132
9.00000	8	40	19.5	97.6	1.03171
10.0000	1	41	2.4	100.0	1.58830
TOTAL	41	41	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 17 Q2D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	3	3	7.3	7.3	-2.12069
6.00000	3	6	7.3	14.6	-1.35123
7.00000	10	16	24.4	39.0	-0.581781
8.00000	13	29	31.7	70.7	0.187671
9.00000	9	38	22.0	92.7	0.957124
10.0000	3	41	7.3	100.0	1.72658
TOTAL	41	41	100.0	100.0	

VARIABLE: 18 Q2E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	2.4	2.4	-2.03061
2.00000	2	3	4.8	7.1	-1.65324
3.00000	6	9	14.3	21.4	-1.27587
4.00000	4	13	9.5	31.0	-0.898500
5.00000	1	14	2.4	33.3	-0.521130
6.00000	4	18	9.5	42.9	-0.143760
7.00000	8	26	19.0	61.9	0.233610
8.00000	7	33	16.7	78.6	0.610980
9.00000	2	35	4.8	83.3	0.988350
10.0000	7	42	16.7	100.0	1.36572
TOTAL	42	42	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - COS USERS
REV#206 APR 30 '87

PAGE 6

COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 19 Q2F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	2.4	2.4	-3.11245
4.00000	1	2	2.4	4.8	-1.91864
5.00000	4	6	9.5	14.3	-1.32173
6.00000	8	14	19.0	33.3	-0.724818
7.00000	6	20	14.3	47.6	-0.127909
8.00000	13	33	31.0	78.6	0.469000
9.00000	7	40	16.7	95.2	1.06591
10.0000	2	42	4.8	100.0	1.66282
TOTAL	42	42	100.0	100.0	

VARIABLE: 20 Q2G

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	1	1	2.4	2.4	-2.39883
5.00000	4	5	9.5	11.9	-1.79912
6.00000	3	8	7.1	19.0	-1.19942
7.00000	5	13	11.9	31.0	-0.599708
8.00000	11	24	26.2	57.1	0.00000
9.00000	9	33	21.4	78.6	0.599708
10.0000	9	42	21.4	100.0	1.19942
TOTAL	42	42	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - COS USERS
REV#206 APR 30 '87

PAGE 7

COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

42 CASES (73.7%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
21 Q4	42	0	0.0
22 Q5	38	4	9.5
23 Q5A	37	5	11.9
24 Q5B	34	8	19.0
25 Q5C	17	25	59.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
21 Q4	69.3810	24.4610	598.339	3.77441	35.2560
22 Q5	6.60526	6.61096	43.7048	1.07244	100.086
23 Q5A	49.6216	28.2885	800.242	4.65061	57.0085
24 Q5B	46.4118	23.1924	537.886	3.97746	49.9709
25 Q5C	28.5882	26.5755	706.257	6.44551	92.9596

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
21 Q4	10.0000	100.000	90.0000	2914.00
22 Q5	1.00000	28.0000	27.0000	251.000
23 Q5A	3.00000	100.000	97.0000	1836.00
24 Q5B	5.00000	100.000	95.0000	1578.00
25 Q5C	2.00000	100.000	98.0000	486.000

COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
 MISSING VALUE TREATMENT: VARWISE

VARIABLE: 23 Q5A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
3.00000	1	1	2.7	2.7	-1.64807
10.0000	2	3	5.4	8.1	-1.40062
20.0000	4	7	10.8	18.9	-1.04712
25.0000	4	11	10.8	29.7	-0.870374
30.0000	2	13	5.4	35.1	-0.693624
33.0000	2	15	5.4	40.5	-0.587574
34.0000	1	16	2.7	43.2	-0.552224
40.0000	1	17	2.7	45.9	-0.340124
50.0000	5	22	13.5	59.5	0.0133757
60.0000	1	23	2.7	62.2	0.366876
63.0000	1	24	2.7	64.9	0.472926
66.0000	1	25	2.7	67.6	0.578976
67.0000	3	28	8.1	75.7	0.614326
70.0000	1	29	2.7	78.4	0.720376
75.0000	2	31	5.4	83.8	0.897126
90.0000	2	33	5.4	89.2	1.42738
95.0000	1	34	2.7	91.9	1.60413
98.0000	1	35	2.7	94.6	1.71018
100.000	2	37	5.4	100.0	1.78088
TOTAL	37	37	100.0	100.0	

VARIABLE: 24 Q5B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	2.9	2.9	-1.78558
10.0000	2	3	5.9	8.8	-1.56999
17.0000	1	4	2.9	11.8	-1.26817
20.0000	1	5	2.9	14.7	-1.13881
25.0000	1	6	2.9	17.6	-0.923225
30.0000	1	7	2.9	20.6	-0.707636
33.0000	5	12	14.7	35.3	-0.578284
34.0000	1	13	2.9	38.2	-0.535166
37.0000	1	14	2.9	41.2	-0.405813
40.0000	2	16	5.9	47.1	-0.276460
47.0000	1	17	2.9	50.0	0.0253633
50.0000	6	23	17.6	67.6	0.154716
55.0000	1	24	2.9	70.6	0.370304
60.0000	3	27	8.8	79.4	0.585893
66.0000	1	28	2.9	82.4	0.844598
67.0000	1	29	2.9	85.3	0.887716
70.0000	1	30	2.9	88.2	1.01707
80.0000	1	31	2.9	91.2	1.44825
90.0000	2	33	5.9	97.1	1.87942
100.000	1	34	2.9	100.0	2.31060



TOTAL	34	34	100.0	100.0
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ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - COS USERS
REV#206

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COMMAND: FREQ

VARIABLE: 25 Q5C

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	5.9	5.9	-1.00048
5.00000	2	3	11.8	17.6	-0.887593
8.00000	1	4	5.9	23.5	-0.774707
10.0000	3	7	17.6	41.2	-0.699450
20.0000	1	8	5.9	47.1	-0.323164
25.0000	2	10	11.8	58.8	-0.135020
33.0000	1	11	5.9	64.7	0.166009
34.0000	2	13	11.8	76.5	0.203637
40.0000	1	14	5.9	82.4	0.429409
50.0000	1	15	5.9	88.2	0.805696
75.0000	1	16	5.9	94.1	1.74641
100.000	1	17	5.9	100.0	2.68713
TOTAL	17	17	100.0	100.0	

ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - COS USERS
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COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

42 CASES (73.7%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
26 Q6A	39	3	7.1
27 Q6B	36	6	14.3
28 Q7	32	10	23.8

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
26 Q6A	8.89744	14.1455	200.094	2.26509	158.984
27 Q6B	64.3056	32.6486	1065.93	5.44144	50.7711
28 Q7	110.594	95.9569	9207.73	16.9629	86.7652

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
26 Q6A	1.00000	60.0000	59.0000	347.000
27 Q6B	5.00000	150.000	145.000	2315.00
28 Q7	15.0000	480.000	465.000	3539.00



COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

42 CASES (73.7%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
29 Q8A	42	0	0.0
30 Q8B	42	0	0.0
31 Q8C	39	3	7.1
32 Q8D	39	3	7.1
33 Q9	30	12	28.6

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
29 Q8A	7.95238	1.83399	3.36353	0.282991	23.0622
30 Q8B	6.69048	2.04209	4.17015	0.315102	30.5224
31 Q8C	8.71795	1.23435	1.52362	0.197654	14.1587
32 Q8D	7.87179	1.74988	3.06208	0.280205	22.2297
33 Q9	6.43333	2.32947	5.42644	0.425301	36.2094

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
29 Q8A	3.00000	10.0000	7.00000	334.000
30 Q8B	2.00000	10.0000	8.00000	281.000
31 Q8C	5.00000	10.0000	5.00000	340.000
32 Q8D	2.00000	10.0000	8.00000	307.000
33 Q9	1.00000	9.00000	8.00000	193.000

COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

42 CASES (73.7%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
34 Q10A	39	3	7.1
35 Q10B	26	16	38.1
36 Q10C	39	3	7.1
37 Q10D	37	5	11.9
38 Q10E	41	1	2.4
39 Q10F	34	8	19.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
34 Q10A	8.53846	1.29465	1.67611	0.207310	15.1625
35 Q10B	7.07692	1.69524	2.87385	0.332464	23.9545
36 Q10C	7.79487	1.98917	3.95682	0.318523	25.5190
37 Q10D	7.45946	2.08959	4.36637	0.343526	28.0126
38 Q10E	8.26829	1.41464	2.00122	0.220930	17.1093
39 Q10F	8.17647	1.11384	1.24064	0.191022	13.6225

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
34 Q10A	3.00000	10.0000	7.00000	333.000
35 Q10B	3.00000	10.0000	7.00000	184.000
36 Q10C	3.00000	10.0000	7.00000	304.000
37 Q10D	2.00000	10.0000	8.00000	276.000
38 Q10E	4.00000	10.0000	6.00000	339.000
39 Q10F	5.00000	10.0000	5.00000	278.000



COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

42 CASES (73.7%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
40 Q12A1	5	37	88.1
41 Q12A2	5	37	88.1
42 Q12A3	3	39	92.9
43 Q12A4	11	31	73.8
44 Q12B1	9	33	78.6
45 Q12B2	9	33	78.6
46 Q12B3	3	39	92.9
47 Q12B4	11	31	73.8

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
40 Q12A1	73.8000	162.786	26499.2	72.8000	220.577
41 Q12A2	94.6000	156.789	24582.8	70.1182	165.739
42 Q12A3	43.3333	50.3422	2534.33	29.0651	116.174
43 Q12A4	12.0000	29.0345	843.000	8.75422	241.954
44 Q12B1	45.1111	120.134	14432.1	40.0446	266.306
45 Q12B2	75.1111	117.658	13843.4	39.2193	156.645
46 Q12B3	63.3333	54.1695	2934.33	31.2748	85.5308
47 Q12B4	15.9091	29.1906	852.091	8.80130	183.484

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
40 Q12A1	1.00000	365.000	364.000	369.000
41 Q12A2	1.00000	365.000	364.000	473.000
42 Q12A3	1.00000	99.0000	98.0000	130.000
43 Q12A4	1.00000	99.0000	98.0000	132.000
44 Q12B1	1.00000	365.000	364.000	406.000
45 Q12B2	1.00000	365.000	364.000	676.000
46 Q12B3	1.00000	99.0000	98.0000	190.000
47 Q12B4	1.00000	99.0000	98.0000	175.000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - COS USERS
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COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

42 CASES (73.7%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
48 Q13A1	22	20	47.6
49 Q13A2	21	21	50.0
50 Q13A3	5	37	88.1
51 Q13A4	19	23	54.8
52 Q13B1	26	16	38.1
53 Q13B2	25	17	40.5
54 Q13B3	6	36	85.7
55 Q13B4	19	23	54.8

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
48 Q13A1	27.5455	79.4479	6311.97	16.9384	288.425
49 Q13A2	38.0000	83.4410	6962.40	18.2083	219.582
50 Q13A3	50.6000	55.4734	3077.30	24.8085	109.631
51 Q13A4	32.1579	51.2730	2628.92	11.7628	159.441
52 Q13B1	87.2308	100.336	10067.3	19.6775	115.024
53 Q13B2	85.8000	102.239	10452.8	20.4478	119.160
54 Q13B3	64.5000	71.3996	5097.90	29.1488	110.697
55 Q13B4	62.4737	71.8845	5167.37	16.4914	115.064

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
48 Q13A1	1.00000	365.000	364.000	606.000
49 Q13A2	1.00000	365.000	364.000	798.000
50 Q13A3	1.00000	120.000	119.000	253.000
51 Q13A4	1.00000	180.000	179.000	611.000
52 Q13B1	1.00000	365.000	364.000	2268.000
53 Q13B2	1.00000	365.000	364.000	2145.000
54 Q13B3	1.00000	180.000	179.000	387.000
55 Q13B4	1.00000	180.000	179.000	1187.000

606
2124
115.024
long



COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

42 CASES (73.7%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
56 Q14A1	41	1	2.4
57 Q14A2	39	3	7.1
58 Q14A3	8	34	81.0
59 Q14A4	31	11	26.2
60 Q14B1	37	5	11.9
61 Q14B2	35	7	16.7
62 Q14B3	8	34	81.0
63 Q14B4	28	14	33.3
64 Q14C1	33	9	21.4
65 Q14C2	33	9	21.4
66 Q14C3	6	36	85.7
67 Q14C4	25	17	40.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
56 Q14A1	7.07317	1.78031	3.16951	0.278038	25.1699
57 Q14A2	7.41026	1.63382	2.66937	0.261620	22.0481
58 Q14A3	6.87500	2.58775	6.69643	0.914906	37.6399
59 Q14A4	7.93548	1.12355	1.26237	0.201796	14.1586
60 Q14B1	7.67568	1.81129	3.28078	0.297775	23.5978
61 Q14B2	7.51429	2.00545	4.02185	0.338984	26.6886
62 Q14B3	7.75000	2.31455	5.35714	0.818317	29.8652
63 Q14B4	7.96429	1.31887	1.73942	0.249243	16.5598
64 Q14C1	6.84848	1.98622	3.94508	0.345757	29.0023
65 Q14C2	6.60606	2.19288	4.80871	0.381731	33.1949
66 Q14C3	7.00000	2.60768	6.80000	1.06458	37.2526
67 Q14C4	7.56000	1.66032	2.75667	0.332064	21.9619

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
56 Q14A1	2.00000	9.00000	7.00000	290.000
57 Q14A2	3.00000	10.0000	7.00000	289.000
58 Q14A3	3.00000	10.0000	7.00000	55.0000
59 Q14A4	5.00000	10.0000	5.00000	246.000
60 Q14B1	1.00000	10.0000	9.00000	284.000
61 Q14B2	1.00000	10.0000	9.00000	263.000
62 Q14B3	3.00000	10.0000	7.00000	62.0000
63 Q14B4	3.00000	10.0000	7.00000	223.000
64 Q14C1	1.00000	9.00000	8.00000	226.000
65 Q14C2	1.00000	10.0000	9.00000	218.000
66 Q14C3	3.00000	10.0000	7.00000	42.0000
67 Q14C4	3.00000	10.0000	7.00000	189.000



COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

42 CASES (73.7%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
68 Q15A1	32	10	23.8
69 Q15A2	25	17	40.5
70 Q15A3	5	37	88.1
71 Q15A4	18	24	57.1
72 Q15B1	32	10	23.8
73 Q15B2	33	9	21.4
74 Q15B3	5	37	88.1
75 Q15B4	22	20	47.6
76 Q15C1	31	11	26.2
77 Q15C2	25	17	40.5
78 Q15C3	6	36	85.7
79 Q15C4	22	20	47.6
80 Q15D1	41	1	2.4
81 Q15D2	38	4	9.5
82 Q15D3	6	36	85.7
83 Q15D4	23	19	45.2
84 Q15E1	35	7	16.7
85 Q15E2	27	15	35.7
86 Q15E3	6	36	85.7
87 Q15E4	25	17	40.5

VARIABLE	MEAN	STD. DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
68 Q15A1	7.78125	1.28852	1.66028	0.227780	16.5593
69 Q15A2	7.60000	1.50000	2.25000	0.300000	19.7368
70 Q15A3	8.00000	1.41421	2.00000	0.632456	17.6777
71 Q15A4	7.22222	1.26284	1.59477	0.297655	17.4855
72 Q15B1	7.43750	1.26841	1.60887	0.224226	17.0543
73 Q15B2	7.75758	1.25076	1.56439	0.217729	16.1230
74 Q15B3	7.20000	1.92354	3.70000	0.860233	26.7158
75 Q15B4	7.09091	1.50899	2.27706	0.321718	21.2807
76 Q15C1	7.48387	1.54641	2.39140	0.277744	20.6633
77 Q15C2	7.20000	2.00000	4.00000	0.400000	27.7778
78 Q15C3	7.33333	2.73252	7.46667	1.11555	37.2616
79 Q15C4	7.27273	1.38639	1.92208	0.295579	19.0629
80 Q15D1	7.80488	1.70616	2.91098	0.266457	21.8602
81 Q15D2	7.76316	1.85172	3.42888	0.300389	23.8527
82 Q15D3	7.66667	2.33809	5.46667	0.954521	30.4968
83 Q15D4	6.78261	2.29538	5.26877	0.478620	33.8422
84 Q15E1	7.85714	1.47813	2.18487	0.249850	18.8126
85 Q15E2	7.62963	1.73534	3.01140	0.333966	22.7447
86 Q15E3	8.16667	0.983192	0.966667	0.401386	12.0391
87 Q15E4	8.16000	1.06771	1.14000	0.213542	13.0847



COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
68 Q15A1	4.00000	10.0000	6.00000	249.000
69 Q15A2	5.00000	10.0000	5.00000	190.000
70 Q15A3	6.00000	10.0000	4.00000	40.0000
71 Q15A4	4.00000	9.00000	5.00000	130.000
72 Q15B1	5.00000	10.0000	5.00000	238.000
73 Q15B2	5.00000	10.0000	5.00000	256.000
74 Q15B3	4.00000	9.00000	5.00000	36.0000
75 Q15B4	5.00000	10.0000	5.00000	156.000
76 Q15C1	3.00000	10.0000	7.00000	232.000
77 Q15C2	1.00000	9.00000	8.00000	180.000
78 Q15C3	2.00000	9.00000	7.00000	44.0000
79 Q15C4	3.00000	9.00000	6.00000	160.000
80 Q15D1	2.00000	10.0000	8.00000	320.000
81 Q15D2	2.00000	10.0000	8.00000	295.000
82 Q15D3	5.00000	10.0000	5.00000	46.0000
83 Q15D4	1.00000	10.0000	9.00000	156.000
84 Q15E1	4.00000	10.0000	6.00000	275.000
85 Q15E2	1.00000	10.0000	9.00000	206.000
86 Q15E3	7.00000	10.0000	3.00000	49.0000
87 Q15E4	6.00000	10.0000	4.00000	204.000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - COS USERS
REV#206 APR 30 '87

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COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

42 CASES (73.7%) ARE IN THIS SUBSET

41 CASES (97.6%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
88 Q16	8.26829	1.30431	1.70122	0.203699	15.7748

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
88 Q16	5.00000	10.0000	5.00000	339.000



COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 89 Q17

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	10	10	27.8	27.8	-1.34692
2.00000	21	31	58.3	86.1	0.217245
3.00000	5	36	13.9	100.0	1.78141
TOTAL	36	36	100.0	100.0	

VARIABLE: 90 Q18A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	15	15	37.5	37.5	-1.27475
2.00000	25	40	62.5	100.0	0.764853
TOTAL	40	40	100.0	100.0	

VARIABLE: 91 Q18B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	9	9	69.2	69.2	-0.640513
2.00000	4	13	30.8	100.0	1.44115
TOTAL	13	13	100.0	100.0	

ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - COS USERS
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COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

42 CASES (73.7%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
92 Q20A	42	0	0.0
93 Q20B	34	8	19.0
94 Q20C	42	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
92 Q20A	7.71429	1.68618	2.84321	0.260183	21.8579
93 Q20B	7.50000	1.84637	3.40909	0.316650	24.6183
94 Q20C	8.02381	1.75982	3.09698	0.271547	21.9325

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
92 Q20A	4.00000	10.0000	6.00000	324.000
93 Q20B	2.00000	9.00000	7.00000	255.000
94 Q20C	1.00000	10.0000	9.00000	337.000

ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - COS USERS
REV#206 APR 30 '87

PAGE 21

COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

42 CASES (73.7%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
95 Q20D1	34	8	19.0
96 Q20D2	42	0	0.0
97 Q20D3	37	5	11.9

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
95 Q20D1	6.02441	23.5969	556.812	4.04683	391.688
96 Q20D2	0.795238	0.961676	0.924821	0.148390	120.929
97 Q20D3	9.35216	15.8341	250.719	2.60311	169.309

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
95 Q20D1	0.0300000	99.0000	98.9700	204.830
96 Q20D2	0.100000	6.00000	5.90000	33.4000
97 Q20D3	0.0300000	99.0000	98.9700	346.030



COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 98 Q20E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	36	36	85.7	85.7	-0.403359
2.00000	6	42	14.3	100.0	2.42015
TOTAL	42	42	100.0	100.0	

VARIABLE: 99 Q20F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	33	33	84.6	84.6	-0.420899
2.00000	6	39	15.4	100.0	2.31495
TOTAL	39	39	100.0	100.0	

VARIABLE: 100 Q21A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	22	22	52.4	52.4	-0.942043
2.00000	20	42	47.6	100.0	1.03625
TOTAL	42	42	100.0	100.0	

COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 101 Q22A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	20	20	62.5	62.5	-0.762398
2.00000	12	32	37.5	100.0	1.27066
TOTAL	32	32	100.0	100.0	

VARIABLE: 102 Q22B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	25	25	62.5	62.5	-0.764853
2.00000	15	40	37.5	100.0	1.27475
TOTAL	40	40	100.0	100.0	

VARIABLE: 103 Q24A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	29	29	76.3	76.3	-0.549707
2.00000	9	38	23.7	100.0	1.77128
TOTAL	38	38	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - COS USERS
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APR 30 '87

PAGE 24

COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

42 CASES (73.7%) ARE IN THIS SUBSET

38 CASES (90.5%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
104 Q24B	7.65789	1.23630	1.52845	0.200555	16.1442

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
104 Q24B	3.00000	10.0000	7.00000	291.000



ABSTAT 4.07

FILE: ZCR3

CRAY USER SATISFACTION SURVEY - COS USERS

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COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 105 Q26A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	33	33	82.5	82.5	-0.436278
2.00000	1	34	2.5	85.0	0.810231
3.00000	5	39	12.5	97.5	2.05674
4.00000	1	40	2.5	100.0	3.30325
TOTAL	40	40	100.0	100.0	







ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - CTSS USERS
REV#206

APR 30 '87

PAGE 1

COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 10 Q1D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	11.1	11.1	-2.66667
2.00000	8	9	88.9	100.0	0.333333
TOTAL	9	9	100.0	100.0	



COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
11 Q2A	10	0	0.0
12 Q2B	10	0	0.0
13 Q2C1	10	0	0.0
14 Q2C2	10	0	0.0
15 Q2C3	10	0	0.0
16 Q2C4	10	0	0.0
17 Q2D	10	0	0.0
18 Q2E	10	0	0.0
19 Q2F	9	1	10.0
20 Q2G	10	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
11 Q2A	9.00000	0.942809	0.888889	0.298142	10.4757
12 Q2B	8.20000	1.87380	3.51111	0.592546	22.8512
13 Q2C1	6.30000	3.12872	9.78889	0.989388	49.6622
14 Q2C2	6.50000	3.34166	11.1667	1.05672	51.4101
15 Q2C3	5.40000	2.87518	8.26667	0.909212	53.2441
16 Q2C4	6.40000	3.30656	10.9333	1.04563	51.6650
17 Q2D	7.30000	3.49762	12.2333	1.10604	47.9126
18 Q2E	6.30000	2.66875	7.12222	0.843933	42.3611
19 Q2F	7.88889	1.36423	1.86111	0.454742	17.2930
20 Q2G	7.80000	1.93218	3.73333	0.611010	24.7716

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
11 Q2A	8.00000	10.0000	2.00000	90.0000
12 Q2B	4.00000	10.0000	6.00000	82.0000
13 Q2C1	1.00000	10.0000	9.00000	63.0000
14 Q2C2	1.00000	10.0000	9.00000	65.0000
15 Q2C3	1.00000	10.0000	9.00000	54.0000
16 Q2C4	1.00000	10.0000	9.00000	64.0000
17 Q2D	1.00000	10.0000	9.00000	73.0000
18 Q2E	1.00000	10.0000	9.00000	63.0000
19 Q2F	6.00000	10.0000	4.00000	71.0000
20 Q2G	5.00000	10.0000	5.00000	78.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - CTSS USERS
REV#206

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COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 11 Q2A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
8.00000	4	4	40.0	40.0	-1.06066
9.00000	2	6	20.0	60.0	0.00000
10.0000	4	10	40.0	100.0	1.06066
TOTAL	10	10	100.0	100.0	

VARIABLE: 12 Q2B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	1	1	10.0	10.0	-2.24144
7.00000	2	3	20.0	30.0	-0.640411
8.00000	2	5	20.0	50.0	-0.106735
9.00000	2	7	20.0	70.0	0.426941
10.0000	3	10	30.0	100.0	0.960617
TOTAL	10	10	100.0	100.0	

VARIABLE: 13 Q2C1

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	20.0	20.0	-1.69398
5.00000	1	3	10.0	30.0	-0.415505
6.00000	1	4	10.0	40.0	-0.0958859
7.00000	1	5	10.0	50.0	0.223734
8.00000	3	8	30.0	80.0	0.543353
9.00000	1	9	10.0	90.0	0.862973
10.0000	1	10	10.0	100.0	1.18259
TOTAL	10	10	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 14 Q2C2

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	20.0	20.0	-1.64589
6.00000	3	5	30.0	50.0	-0.149626
7.00000	1	6	10.0	60.0	0.149626
8.00000	1	7	10.0	70.0	0.448879
10.0000	3	10	30.0	100.0	1.04738
TOTAL	10	10	100.0	100.0	

VARIABLE: 15 Q2C3

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	20.0	20.0	-1.53034
4.00000	1	3	10.0	30.0	-0.486926
5.00000	2	5	20.0	50.0	-0.139122
6.00000	1	6	10.0	60.0	0.208683
7.00000	2	8	20.0	80.0	0.556487
8.00000	1	9	10.0	90.0	0.904291
10.0000	1	10	10.0	100.0	1.59990
TOTAL	10	10	100.0	100.0	

VARIABLE: 16 Q2C4

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	20.0	20.0	-1.63312
5.00000	1	3	10.0	30.0	-0.423401
6.00000	2	5	20.0	50.0	-0.120972
8.00000	2	7	20.0	70.0	0.483887
9.00000	1	8	10.0	80.0	0.786316
10.0000	2	10	20.0	100.0	1.08875
TOTAL	10	10	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 17 Q2D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	20.0	20.0	-1.80123
7.00000	1	3	10.0	30.0	-0.0857727
8.00000	3	6	30.0	60.0	0.200136
10.0000	4	10	40.0	100.0	0.771954
TOTAL	10	10	100.0	100.0	

VARIABLE: 18 Q2E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	10.0	10.0	-1.98595
4.00000	1	2	10.0	20.0	-0.861827
5.00000	2	4	20.0	40.0	-0.487120
6.00000	1	5	10.0	50.0	-0.112412
7.00000	1	6	10.0	60.0	0.262295
8.00000	2	8	20.0	80.0	0.637003
9.00000	1	9	10.0	90.0	1.01171
10.0000	1	10	10.0	100.0	1.38642
TOTAL	10	10	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
 MISSING VALUE TREATMENT: VARWISE

VARIABLE: 19 Q2F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	2	2	22.2	22.2	-1.38459
7.00000	1	3	11.1	33.3	-0.651570
8.00000	3	6	33.3	66.7	0.0814463
9.00000	2	8	22.2	88.9	0.814463
10.0000	1	9	11.1	100.0	1.54748
TOTAL	9	9	100.0	100.0	

VARIABLE: 20 Q2G

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	2	2	20.0	20.0	-1.44914
7.00000	3	5	30.0	50.0	-0.414039
8.00000	1	6	10.0	60.0	0.103510
9.00000	1	7	10.0	70.0	0.621059
10.0000	3	10	30.0	100.0	1.13861
TOTAL	10	10	100.0	100.0	



COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
21 Q4	10	0	0.0
22 Q5	10	0	0.0
23 Q5A	10	0	0.0
24 Q5B	9	1	10.0
25 Q5C	6	4	40.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
21 Q4	90.2000	14.0380	197.067	4.43922	15.5632
22 Q5	9.50000	6.32895	40.0556	2.00139	66.6205
23 Q5A	56.4000	26.4121	697.600	8.35225	46.8300
24 Q5B	36.6667	25.4558	648.000	8.48528	69.4250
25 Q5C	17.6667	12.7698	163.067	5.21323	72.2816

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
21 Q4	55.0000	100.000	45.0000	902.000
22 Q5	1.00000	19.0000	18.0000	95.0000
23 Q5A	20.0000	100.000	80.0000	564.000
24 Q5B	6.00000	80.0000	74.0000	330.000
25 Q5C	5.00000	40.0000	35.0000	106.000



COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 23 Q5A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
20.0000	1	1	10.0	10.0	-1.37816
25.0000	1	2	10.0	20.0	-1.18885
33.0000	1	3	10.0	30.0	-0.885957
43.0000	1	4	10.0	40.0	-0.507343
47.0000	1	5	10.0	50.0	-0.355897
71.0000	1	6	10.0	60.0	0.552777
75.0000	3	9	30.0	90.0	0.704222
100.000	1	10	10.0	100.0	1.65076
TOTAL	10	10	100.0	100.0	

VARIABLE: 24 Q5B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	1	1	11.1	11.1	-1.20470
18.0000	1	2	11.1	22.2	-0.733296
20.0000	1	3	11.1	33.3	-0.654729
25.0000	1	4	11.1	44.4	-0.458310
27.0000	1	5	11.1	55.6	-0.379743
36.0000	1	6	11.1	66.7	-0.0261891
43.0000	1	7	11.1	77.8	0.248797
75.0000	1	8	11.1	88.9	1.50588
80.0000	1	9	11.1	100.0	1.70229
TOTAL	9	9	100.0	100.0	

VARIABLE: 25 Q5C

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	16.7	16.7	-0.991927
7.00000	1	2	16.7	33.3	-0.835307
14.0000	1	3	16.7	50.0	-0.287137
17.0000	1	4	16.7	66.7	-0.0522067
23.0000	1	5	16.7	83.3	0.417654
40.0000	1	6	16.7	100.0	1.74892
TOTAL	6	6	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - CTSS USERS
REV#206

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COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
26 Q6A	10	0	0.0
27 Q6B	10	0	0.0
28 Q7	9	1	10.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
26 Q6A	8.40000	7.91903	62.7111	2.50422	94.2742
27 Q6B	46.8000	25.8190	666.622	8.16469	55.1689
28 Q7	92.1111	65.7504	4323.11	21.9168	71.3816

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
26 Q6A	3.00000	30.0000	27.0000	84.0000
27 Q6B	20.0000	99.0000	79.0000	468.000
28 Q7	20.0000	240.000	220.000	829.000



COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
29 Q8A	9	1	10.0
30 Q8B	10	0	0.0
31 Q8C	10	0	0.0
32 Q8D	10	0	0.0
33 Q9	10	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
29 Q8A	7.22222	2.10819	4.44444	0.702728	29.1903
30 Q8B	6.20000	1.87380	3.51111	0.592546	30.2225
31 Q8C	9.30000	0.674949	0.455556	0.213437	7.25751
32 Q8D	7.40000	2.50333	6.26667	0.791623	33.8288
33 Q9	6.50000	2.63523	6.94444	0.833333	40.5420

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
29 Q8A	4.00000	10.0000	6.00000	65.0000
30 Q8B	4.00000	9.00000	5.00000	62.0000
31 Q8C	8.00000	10.0000	2.00000	93.0000
32 Q8D	2.00000	10.0000	8.00000	74.0000
33 Q9	1.00000	10.0000	9.00000	65.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - CTSS USERS
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PAGE 11

COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
34 Q10A	9	1	10.0
35 Q10B	8	2	20.0
36 Q10C	9	1	10.0
37 Q10D	9	1	10.0
38 Q10E	10	0	0.0
39 Q10F	9	1	10.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
34 Q10A	8.66667	1.41421	2.00000	0.471405	16.3178
35 Q10B	8.62500	1.06066	1.12500	0.375000	12.2975
36 Q10C	8.22222	1.30171	1.69444	0.433903	15.8316
37 Q10D	8.00000	2.39792	5.75000	0.799305	29.9739
38 Q10E	8.20000	1.47573	2.17778	0.466667	17.9967
39 Q10F	8.55556	1.01379	1.02778	0.337931	11.8495

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
34 Q10A	6.00000	10.0000	4.00000	78.0000
35 Q10B	7.00000	10.0000	3.00000	69.0000
36 Q10C	7.00000	10.0000	3.00000	74.0000
37 Q10D	2.00000	10.0000	8.00000	72.0000
38 Q10E	6.00000	10.0000	4.00000	82.0000
39 Q10F	7.00000	10.0000	3.00000	77.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - CTSS USERS
REV#206

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COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
40 Q12A1	1	9	90.0
41 Q12A2	1	9	90.0
42 Q12A3	1	9	90.0
43 Q12A4	0	10	100.0
44 Q12B1	2	8	80.0
45 Q12B2	2	8	80.0
46 Q12B3	1	9	90.0
47 Q12B4	0	10	100.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
40 Q12A1	7.00000	0.00000	0.00000	0.00000	0.00000
41 Q12A2	2.00000	0.00000	0.00000	0.00000	0.00000
42 Q12A3	99.0000	0.00000	0.00000	0.00000	0.00000
43 Q12A4	0.00000	0.00000	0.00000	0.00000	0.00000
44 Q12B1	7.50000	9.19239	84.5000	6.50000	122.565
45 Q12B2	3.00000	2.82843	8.00000	2.00000	94.2809
46 Q12B3	99.0000	0.00000	0.00000	0.00000	0.00000
47 Q12B4	0.00000	0.00000	0.00000	0.00000	0.00000

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
40 Q12A1	7.00000	7.00000	0.00000	7.00000
41 Q12A2	2.00000	2.00000	0.00000	2.00000
42 Q12A3	99.0000	99.0000	0.00000	99.0000
43 Q12A4	MISSING	MISSING	0.00000	0.00000
44 Q12B1	1.00000	14.0000	13.0000	15.0000
45 Q12B2	1.00000	5.00000	4.00000	6.00000
46 Q12B3	99.0000	99.0000	0.00000	99.0000
47 Q12B4	MISSING	MISSING	0.00000	0.00000



COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
48 Q13A1	2	8	80.0
49 Q13A2	7	3	30.0
50 Q13A3	1	9	90.0
51 Q13A4	1	9	90.0
52 Q13B1	4	6	60.0
53 Q13B2	7	3	30.0
54 Q13B3	1	9	90.0
55 Q13B4	1	9	90.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
48 Q13A1	8.00000	8.48528	72.0000	6.00000	106.066
49 Q13A2	60.8571	74.7093	5581.48	28.2375	122.762
50 Q13A3	99.0000	0.00000	0.00000	0.00000	0.00000
51 Q13A4	2.00000	0.00000	0.00000	0.00000	0.00000
52 Q13B1	50.5000	86.3578	7457.67	43.1789	171.006
53 Q13B2	102.714	131.448	17278.6	49.6827	127.974
54 Q13B3	99.0000	0.00000	0.00000	0.00000	0.00000
55 Q13B4	10.0000	0.00000	0.00000	0.00000	0.00000

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
48 Q13A1	2.00000	14.0000	12.0000	16.0000
49 Q13A2	1.00000	180.000	179.000	426.000
50 Q13A3	99.0000	99.0000	0.00000	99.0000
51 Q13A4	2.00000	2.00000	0.00000	2.00000
52 Q13B1	5.00000	180.000	175.000	202.000
53 Q13B2	7.00000	365.000	358.000	719.000
54 Q13B3	99.0000	99.0000	0.00000	99.0000
55 Q13B4	10.0000	10.0000	0.00000	10.0000

COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
 MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
56 Q14A1	7	3	30.0
57 Q14A2	10	0	0.0
58 Q14A3	2	8	80.0
59 Q14A4	1	9	90.0
60 Q14B1	5	5	50.0
61 Q14B2	9	1	10.0
62 Q14B3	2	8	80.0
63 Q14B4	0	10	100.0
64 Q14C1	5	5	50.0
65 Q14C2	9	1	10.0
66 Q14C3	2	8	80.0
67 Q14C4	0	10	100.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
56 Q14A1	7.71429	1.70434	2.90476	0.644179	22.0932
57 Q14A2	7.70000	1.70294	2.90000	0.538516	22.1161
58 Q14A3	8.50000	2.12132	4.50000	1.50000	24.9567
59 Q14A4	5.00000	0.00000	0.00000	0.00000	0.00000
60 Q14B1	6.80000	2.86356	8.20000	1.28062	42.1112
61 Q14B2	7.00000	1.58114	2.50000	0.527046	22.5877
62 Q14B3	4.00000	4.24264	18.0000	3.00000	106.066
63 Q14B4	0.00000	0.00000	0.00000	0.00000	0.00000
64 Q14C1	7.00000	2.54951	6.50000	1.14018	36.4216
65 Q14C2	6.77778	2.04803	4.19444	0.682678	30.2169
66 Q14C3	4.00000	4.24264	18.0000	3.00000	106.066
67 Q14C4	0.00000	0.00000	0.00000	0.00000	0.00000

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
56 Q14A1	6.00000	10.0000	4.00000	54.0000
57 Q14A2	5.00000	10.0000	5.00000	77.0000
58 Q14A3	7.00000	10.0000	3.00000	17.0000
59 Q14A4	5.00000	5.00000	0.00000	5.00000
60 Q14B1	3.00000	10.0000	7.00000	34.0000
61 Q14B2	5.00000	9.00000	4.00000	63.0000
62 Q14B3	1.00000	7.00000	6.00000	8.00000
63 Q14B4	MISSING	MISSING	0.00000	0.00000
64 Q14C1	4.00000	10.0000	6.00000	35.0000
65 Q14C2	3.00000	9.00000	6.00000	61.0000
66 Q14C3	1.00000	7.00000	6.00000	8.00000
67 Q14C4	MISSING	MISSING	0.00000	0.00000



COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
68 Q15A1	2	8	80.0
69 Q15A2	4	6	60.0
70 Q15A3	0	10	100.0
71 Q15A4	0	10	100.0
72 Q15B1	6	4	40.0
73 Q15B2	8	2	20.0
74 Q15B3	3	7	70.0
75 Q15B4	0	10	100.0
76 Q15C1	4	6	60.0
77 Q15C2	4	6	60.0
78 Q15C3	0	10	100.0
79 Q15C4	0	10	100.0
80 Q15D1	7	3	30.0
81 Q15D2	10	0	0.0
82 Q15D3	3	7	70.0
83 Q15D4	0	10	100.0
84 Q15E1	5	5	50.0
85 Q15E2	5	5	50.0
86 Q15E3	2	8	80.0
87 Q15E4	0	10	100.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
68 Q15A1	4.50000	0.707107	0.500000	0.500000	15.7135
69 Q15A2	7.75000	1.50000	2.25000	0.750000	19.3548
70 Q15A3	0.00000	0.00000	0.00000	0.00000	0.00000
71 Q15A4	0.00000	0.00000	0.00000	0.00000	0.00000
72 Q15B1	5.50000	2.73861	7.50000	1.11803	49.7930
73 Q15B2	8.50000	1.30931	1.71429	0.462910	15.4036
74 Q15B3	8.33333	1.52753	2.33333	0.881917	18.3303
75 Q15B4	0.00000	0.00000	0.00000	0.00000	0.00000
76 Q15C1	7.25000	3.40343	11.5833	1.70171	46.9439
77 Q15C2	9.00000	0.816497	0.666667	0.408248	9.07218
78 Q15C3	0.00000	0.00000	0.00000	0.00000	0.00000
79 Q15C4	0.00000	0.00000	0.00000	0.00000	0.00000
80 Q15D1	8.00000	2.08167	4.33333	0.786796	26.0208
81 Q15D2	8.10000	1.85293	3.43333	0.585947	22.8756
82 Q15D3	5.00000	4.58258	21.0000	2.64575	91.6515
83 Q15D4	0.00000	0.00000	0.00000	0.00000	0.00000
84 Q15E1	7.60000	2.19089	4.80000	0.979796	28.8275
85 Q15E2	8.60000	0.894427	0.800000	0.400000	10.4003
86 Q15E3	8.50000	2.12132	4.50000	1.50000	24.9567
87 Q15E4	0.00000	0.00000	0.00000	0.00000	0.00000



COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
68 Q15A1	4.00000	5.00000	1.00000	9.00000
69 Q15A2	7.00000	10.0000	3.00000	31.0000
70 Q15A3	MISSING	MISSING	0.00000	0.00000
71 Q15A4	MISSING	MISSING	0.00000	0.00000
72 Q15B1	1.00000	8.00000	7.00000	33.0000
73 Q15B2	6.00000	10.0000	4.00000	68.0000
74 Q15B3	7.00000	10.0000	3.00000	25.0000
75 Q15B4	MISSING	MISSING	0.00000	0.00000
76 Q15C1	3.00000	10.0000	7.00000	29.0000
77 Q15C2	8.00000	10.0000	2.00000	36.0000
78 Q15C3	MISSING	MISSING	0.00000	0.00000
79 Q15C4	MISSING	MISSING	0.00000	0.00000
80 Q15D1	4.00000	10.0000	6.00000	56.0000
81 Q15D2	4.00000	10.0000	6.00000	81.0000
82 Q15D3	1.00000	10.0000	9.00000	15.0000
83 Q15D4	MISSING	MISSING	0.00000	0.00000
84 Q15E1	4.00000	10.0000	6.00000	38.0000
85 Q15E2	8.00000	10.0000	2.00000	43.0000
86 Q15E3	7.00000	10.0000	3.00000	17.0000
87 Q15E4	MISSING	MISSING	0.00000	0.00000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - CTSS USERS
REV#206 APR 30 '87

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COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

10 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
88 Q16	7.90000	2.02485	4.10000	0.640312	25.6310

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
88 Q16	3.00000	10.0000	7.00000	79.0000

COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
 MISSING VALUE TREATMENT: VARWISE

VARIABLE: 89 Q17

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	5	5	50.0	50.0	-0.850265
2.00000	3	8	30.0	80.0	0.364399
3.00000	2	10	20.0	100.0	1.57906
TOTAL	10	10	100.0	100.0	

VARIABLE: 90 Q18A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	11.1	11.1	-2.66667
2.00000	8	9	88.9	100.0	0.333333
TOTAL	9	9	100.0	100.0	

VARIABLE: 91 Q18B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	100.0	100.0	0.00000
TOTAL	1	1	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - CTSS USERS
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COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

10 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
92 Q20A	8.50000	0.849837	0.722222	0.268742	9.99808
93 Q20B	8.50000	0.849837	0.722222	0.268742	9.99808
94 Q20C	8.70000	1.05935	1.12222	0.334996	12.1764

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
92 Q20A	7.00000	10.0000	3.00000	85.0000
93 Q20B	7.00000	10.0000	3.00000	85.0000
94 Q20C	7.00000	10.0000	3.00000	87.0000

ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - CTSS USERS
REV#206

APR 30 '87

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COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
95 Q20D1	9	1	10.0
96 Q20D2	10	0	0.0
97 Q20D3	9	1	10.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
95 Q20D1	0.720000	1.98131	3.92560	0.660438	275.182
96 Q20D2	0.858000	0.834650	0.696640	0.263939	97.2785
97 Q20D3	3.55556	2.00693	4.02778	0.668977	56.4450

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
95 Q20D1	0.0300000	6.00000	5.97000	6.48000
96 Q20D2	0.0800000	3.00000	2.92000	8.58000
97 Q20D3	1.00000	6.00000	5.00000	32.0000

ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - CTSS USERS
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COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 98 Q20E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	9	9	90.0	90.0	-0.316228
2.00000	1	10	10.0	100.0	2.84605
TOTAL	10	10	100.0	100.0	

VARIABLE: 99 Q20F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	8	8	88.9	88.9	-0.333333
2.00000	1	9	11.1	100.0	2.66667
TOTAL	9	9	100.0	100.0	

VARIABLE: 100 Q21A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	9	9	90.0	90.0	-0.316228
2.00000	1	10	10.0	100.0	2.84605
TOTAL	10	10	100.0	100.0	

COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 101 Q22A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	4	4	44.4	44.4	-1.05409
2.00000	5	9	55.6	100.0	0.843274
TOTAL	9	9	100.0	100.0	

VARIABLE: 102 Q22B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	6	6	66.7	66.7	-0.666667
2.00000	3	9	33.3	100.0	1.33333
TOTAL	9	9	100.0	100.0	

VARIABLE: 103 Q24A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	8	8	80.0	80.0	-0.474342
2.00000	2	10	20.0	100.0	1.89737
TOTAL	10	10	100.0	100.0	

ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - CTSS USERS
REV#206 APR 30 '87

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COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

10 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
104 Q24B	7.10000	1.66333	2.76667	0.525991	23.4272

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
104 Q24B	3.00000	9.00000	6.00000	71.0000

ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - CTSS USERS
REV#206 APR 30 '87

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COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 105 Q26A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	7	7	70.0	70.0	-0.603708
3.00000	2	9	20.0	90.0	1.12117
4.00000	1	10	10.0	100.0	1.98361
TOTAL	10	10	100.0	100.0	





ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - UNICOS USERS
REV#206

APR 30 '87

PAGE 1

COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 10 Q1D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	5	5	100.0	100.0	0.00000
TOTAL	5	5	100.0	100.0	

COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

5 CASES (8.8%) ARE IN THIS SUBSET

5 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
11 Q2A	9.20000	1.09545	1.20000	0.489898	11.9070
12 Q2B	6.60000	2.07364	4.30000	0.927362	31.4189
13 Q2C1	8.20000	1.48324	2.20000	0.663325	18.0883
14 Q2C2	8.40000	1.67332	2.80000	0.748331	19.9205
15 Q2C3	4.40000	1.51658	2.30000	0.678233	34.4676
16 Q2C4	6.20000	1.30384	1.70000	0.583095	21.0297
17 Q2D	7.20000	1.48324	2.20000	0.663325	20.6006
18 Q2E	4.20000	3.27109	10.7000	1.46287	77.8830
19 Q2F	5.60000	3.28634	10.8000	1.46969	58.6846
20 Q2G	6.20000	3.03315	9.20000	1.35647	48.9218

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
11 Q2A	8.00000	10.0000	2.00000	46.0000
12 Q2B	4.00000	9.00000	5.00000	33.0000
13 Q2C1	6.00000	10.0000	4.00000	41.0000
14 Q2C2	6.00000	10.0000	4.00000	42.0000
15 Q2C3	2.00000	6.00000	4.00000	22.0000
16 Q2C4	5.00000	8.00000	3.00000	31.0000
17 Q2D	5.00000	9.00000	4.00000	36.0000
18 Q2E	1.00000	8.00000	7.00000	21.0000
19 Q2F	1.00000	10.0000	9.00000	28.0000
20 Q2G	2.00000	10.0000	8.00000	31.0000

COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 11 Q2A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
8.00000	2	2	40.0	40.0	-1.09545
10.0000	3	5	60.0	100.0	0.730297
TOTAL	5	5	100.0	100.0	

VARIABLE: 12 Q2B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	1	1	20.0	20.0	-1.25383
5.00000	1	2	20.0	40.0	-0.771589
7.00000	1	3	20.0	60.0	0.192897
8.00000	1	4	20.0	80.0	0.675140
9.00000	1	5	20.0	100.0	1.15738
TOTAL	5	5	100.0	100.0	

VARIABLE: 13 Q2C1

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	1	1	20.0	20.0	-1.48324
8.00000	2	3	40.0	60.0	-0.134840
9.00000	1	4	20.0	80.0	0.539360
10.0000	1	5	20.0	100.0	1.21356
TOTAL	5	5	100.0	100.0	

COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 14 Q2C2

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	1	1	20.0	20.0	-1.43427
8.00000	2	3	40.0	60.0	-0.239046
10.0000	2	5	40.0	100.0	0.956183
TOTAL	5	5	100.0	100.0	

VARIABLE: 15 Q2C3

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	20.0	20.0	-1.58251
4.00000	1	2	20.0	40.0	-0.263752
5.00000	2	4	40.0	80.0	0.395628
6.00000	1	5	20.0	100.0	1.05501
TOTAL	5	5	100.0	100.0	

VARIABLE: 16 Q2C4

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	2	2	40.0	40.0	-0.920358
6.00000	1	3	20.0	60.0	-0.153393
7.00000	1	4	20.0	80.0	0.613572
8.00000	1	5	20.0	100.0	1.38054
TOTAL	5	5	100.0	100.0	

COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 17 Q2D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	20.0	20.0	-1.48324
7.00000	2	3	40.0	60.0	-0.134840
8.00000	1	4	20.0	80.0	0.539360
9.00000	1	5	20.0	100.0	1.21356
TOTAL	5	5	100.0	100.0	

VARIABLE: 18 Q2E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	40.0	40.0	-0.978269
4.00000	1	3	20.0	60.0	-0.0611418
7.00000	1	4	20.0	80.0	0.855985
8.00000	1	5	20.0	100.0	1.16169
TOTAL	5	5	100.0	100.0	

COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 19 Q2F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	20.0	20.0	-1.39974
5.00000	2	3	40.0	60.0	-0.182574
7.00000	1	4	20.0	80.0	0.426006
10.0000	1	5	20.0	100.0	1.33888
TOTAL	5	5	100.0	100.0	

VARIABLE: 20 Q2G

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	20.0	20.0	-1.38470
5.00000	1	2	20.0	40.0	-0.395628
6.00000	1	3	20.0	60.0	-0.0659380
8.00000	1	4	20.0	80.0	0.593442
10.0000	1	5	20.0	100.0	1.25282
TOTAL	5	5	100.0	100.0	

COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

5 CASES (8.8%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
21 Q4	5	0	0.0
22 Q5	4	1	20.0
23 Q5A	4	1	20.0
24 Q5B	5	0	0.0
25 Q5C	2	3	60.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
21 Q4	55.0000	36.0555	1300.00	16.1245	65.5555
22 Q5	11.0000	6.21825	38.6667	3.10913	56.5296
23 Q5A	50.7500	18.6793	348.917	9.33966	36.8065
24 Q5B	51.2000	37.6789	1419.70	16.8505	73.5916
25 Q5C	20.5000	7.77817	60.5000	5.50000	37.9423

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
21 Q4	5.00000	90.0000	85.0000	275.000
22 Q5	6.00000	20.0000	14.0000	44.0000
23 Q5A	25.0000	68.0000	43.0000	203.000
24 Q5B	6.00000	100.000	94.0000	256.000
25 Q5C	15.0000	26.0000	11.0000	41.0000

COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 23 Q5A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
25.0000	1	1	25.0	25.0	-1.37853
50.0000	1	2	25.0	50.0	-0.0401514
60.0000	1	3	25.0	75.0	0.495200
68.0000	1	4	25.0	100.0	0.923482
TOTAL	4	4	100.0	100.0	

VARIABLE: 24 Q5B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	1	1	20.0	20.0	-1.19961
25.0000	1	2	20.0	40.0	-0.695349
50.0000	1	3	20.0	60.0	-0.0318481
75.0000	1	4	20.0	80.0	0.631653
100.000	1	5	20.0	100.0	1.29515
TOTAL	5	5	100.0	100.0	

VARIABLE: 25 Q5C

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
15.0000	1	1	50.0	50.0	-0.707107
26.0000	1	2	50.0	100.0	0.707107
TOTAL	2	2	100.0	100.0	

COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

5 CASES (8.8%) ARE IN THIS SUBSET

5 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
26 Q6A	7.60000	12.6412	159.800	5.65332	166.332
27 Q6B	33.0000	26.3629	695.000	11.7898	79.8874
28 Q7	70.8000	31.0757	965.700	13.8975	43.8923

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
26 Q6A	1.00000	30.0000	29.0000	38.0000
27 Q6B	5.00000	60.0000	55.0000	165.000
28 Q7	30.0000	99.0000	69.0000	354.000



COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

5 CASES (8.8%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
29 Q8A	5	0	0.0
30 Q8B	5	0	0.0
31 Q8C	5	0	0.0
32 Q8D	5	0	0.0
33 Q9	3	2	40.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
29 Q8A	7.40000	3.20936	10.3000	1.43527	43.3697
30 Q8B	7.40000	2.60768	6.80000	1.16619	35.2389
31 Q8C	9.20000	0.836660	0.700000	0.374166	9.09413
32 Q8D	8.00000	2.82843	8.00000	1.26491	35.3553
33 Q9	5.00000	0.00000	0.00000	0.00000	0.00000

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
29 Q8A	2.00000	10.0000	8.00000	37.0000
30 Q8B	4.00000	10.0000	6.00000	37.0000
31 Q8C	8.00000	10.0000	2.00000	46.0000
32 Q8D	3.00000	10.0000	7.00000	40.0000
33 Q9	5.00000	5.00000	0.00000	15.0000

COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

5 CASES (8.8%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
34 Q10A	4	1	20.0
35 Q10B	2	3	60.0
36 Q10C	4	1	20.0
37 Q10D	4	1	20.0
38 Q10E	5	0	0.0
39 Q10F	3	2	40.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
34 Q10A	9.75000	0.500000	0.250000	0.250000	5.12821
35 Q10B	6.50000	0.707107	0.500000	0.500000	10.8786
36 Q10C	7.00000	2.70801	7.33333	1.35401	38.6859
37 Q10D	7.75000	2.62996	6.91667	1.31498	33.9349
38 Q10E	8.20000	1.48324	2.20000	0.663325	18.0883
39 Q10F	8.66667	1.52753	2.33333	0.881917	17.6253

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
34 Q10A	9.00000	10.0000	1.00000	39.0000
35 Q10B	6.00000	7.00000	1.00000	13.0000
36 Q10C	3.00000	9.00000	6.00000	28.0000
37 Q10D	4.00000	10.0000	6.00000	31.0000
38 Q10E	6.00000	10.0000	4.00000	41.0000
39 Q10F	7.00000	10.0000	3.00000	26.0000



ABSTAT 4.07
FILE: ZCR3

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COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

5 CASES (8.8%) ARE IN THIS SUBSET

0 CASES (0.0%) ARE VALID



COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

5 CASES (8.8%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
48 Q13A1	2	3	60.0
49 Q13A2	2	3	60.0
50 Q13A3	1	4	80.0
51 Q13A4	0	5	100.0
52 Q13B1	3	2	40.0
53 Q13B2	4	1	20.0
54 Q13B3	1	4	80.0
55 Q13B4	0	5	100.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
48 Q13A1	2.00000	1.41421	2.00000	1.00000	70.7107
49 Q13A2	4.00000	1.41421	2.00000	1.00000	35.3553
50 Q13A3	7.00000	0.00000	0.00000	0.00000	0.00000
51 Q13A4	0.00000	0.00000	0.00000	0.00000	0.00000
52 Q13B1	15.0000	14.5258	211.000	8.38650	96.8389
53 Q13B2	104.500	174.058	30296.3	87.0292	166.563
54 Q13B3	180.000	0.00000	0.00000	0.00000	0.00000
55 Q13B4	0.00000	0.00000	0.00000	0.00000	0.00000

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
48 Q13A1	1.00000	3.00000	2.00000	4.00000
49 Q13A2	3.00000	5.00000	2.00000	8.00000
50 Q13A3	7.00000	7.00000	0.00000	7.00000
51 Q13A4	MISSING	MISSING	0.00000	0.00000
52 Q13B1	1.00000	30.0000	29.0000	45.0000
53 Q13B2	2.00000	365.000	363.000	418.000
54 Q13B3	180.000	180.000	0.00000	180.000
55 Q13B4	MISSING	MISSING	0.00000	0.00000



COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

5 CASES (8.8%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
56 Q14A1	5	0	0.0
57 Q14A2	3	2	40.0
58 Q14A3	3	2	40.0
59 Q14A4	1	4	80.0
60 Q14B1	4	1	20.0
61 Q14B2	3	2	40.0
62 Q14B3	3	2	40.0
63 Q14B4	0	5	100.0
64 Q14C1	5	0	0.0
65 Q14C2	4	1	20.0
66 Q14C3	3	2	40.0
67 Q14C4	1	4	80.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
56 Q14A1	7.40000	2.70185	7.30000	1.20830	36.5115
57 Q14A2	7.33333	2.51661	6.33333	1.45297	34.3174
58 Q14A3	5.33333	2.88675	8.33333	1.66667	54.1266
59 Q14A4	4.00000	0.00000	0.00000	0.00000	0.00000
60 Q14B1	7.50000	3.10913	9.66667	1.55456	41.4550
61 Q14B2	7.00000	2.64575	7.00000	1.52753	37.7964
62 Q14B3	5.33333	2.88675	8.33333	1.66667	54.1266
63 Q14B4	0.00000	0.00000	0.00000	0.00000	0.00000
64 Q14C1	6.80000	3.11448	9.70000	1.39284	45.8012
65 Q14C2	6.00000	2.94392	8.66667	1.47196	49.0653
66 Q14C3	4.66667	2.51661	6.33333	1.45297	53.9274
67 Q14C4	5.00000	0.00000	0.00000	0.00000	0.00000

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
56 Q14A1	3.00000	10.0000	7.00000	37.0000
57 Q14A2	5.00000	10.0000	5.00000	22.0000
58 Q14A3	2.00000	7.00000	5.00000	16.0000
59 Q14A4	4.00000	4.00000	0.00000	4.00000
60 Q14B1	3.00000	10.0000	7.00000	30.0000
61 Q14B2	5.00000	10.0000	5.00000	21.0000
62 Q14B3	2.00000	7.00000	5.00000	16.0000
63 Q14B4	MISSING	MISSING	0.00000	0.00000
64 Q14C1	3.00000	10.0000	7.00000	34.0000
65 Q14C2	3.00000	10.0000	7.00000	24.0000
66 Q14C3	2.00000	7.00000	5.00000	14.0000
67 Q14C4	5.00000	5.00000	0.00000	5.00000

COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

5 CASES (8.8%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
68 Q15A1	4	1	20.0
69 Q15A2	1	4	80.0
70 Q15A3	0	5	100.0
71 Q15A4	1	4	80.0
72 Q15B1	4	1	20.0
73 Q15B2	3	2	40.0
74 Q15B3	2	3	60.0
75 Q15B4	1	4	80.0
76 Q15C1	4	1	20.0
77 Q15C2	3	2	40.0
78 Q15C3	2	3	60.0
79 Q15C4	1	4	80.0
80 Q15D1	4	1	20.0
81 Q15D2	3	2	40.0
82 Q15D3	1	4	80.0
83 Q15D4	1	4	80.0
84 Q15E1	2	3	60.0
85 Q15E2	2	3	60.0
86 Q15E3	1	4	80.0
87 Q15E4	0	5	100.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
68 Q15A1	6.25000	1.25831	1.58333	0.629153	20.1329
69 Q15A2	6.00000	0.00000	0.00000	0.00000	0.00000
70 Q15A3	0.00000	0.00000	0.00000	0.00000	0.00000
71 Q15A4	5.00000	0.00000	0.00000	0.00000	0.00000
72 Q15B1	7.25000	0.500000	0.250000	0.250000	6.89655
73 Q15B2	7.66667	1.15470	1.33333	0.666667	15.0613
74 Q15B3	8.00000	1.41421	2.00000	1.00000	17.6777
75 Q15B4	7.00000	0.00000	0.00000	0.00000	0.00000
76 Q15C1	7.00000	2.94392	8.66667	1.47196	42.0560
77 Q15C2	6.66667	1.52753	2.33333	0.881917	22.9129
78 Q15C3	3.50000	2.12132	4.50000	1.50000	60.6092
79 Q15C4	8.00000	0.00000	0.00000	0.00000	0.00000
80 Q15D1	8.75000	0.957427	0.916667	0.478714	10.9420
81 Q15D2	8.00000	2.00000	4.00000	1.15470	25.0000
82 Q15D3	8.00000	0.00000	0.00000	0.00000	0.00000
83 Q15D4	8.00000	0.00000	0.00000	0.00000	0.00000
84 Q15E1	5.50000	4.94975	24.5000	3.50000	89.9954
85 Q15E2	6.00000	5.65685	32.0000	4.00000	94.2809
86 Q15E3	8.00000	0.00000	0.00000	0.00000	0.00000
87 Q15E4	0.00000	0.00000	0.00000	0.00000	0.00000



COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
68 Q15A1	5.00000	8.00000	3.00000	25.0000
69 Q15A2	6.00000	6.00000	0.00000	6.00000
70 Q15A3	MISSING	MISSING	0.00000	0.00000
71 Q15A4	5.00000	5.00000	0.00000	5.00000
72 Q15B1	7.00000	8.00000	1.00000	29.0000
73 Q15B2	7.00000	9.00000	2.00000	23.0000
74 Q15B3	7.00000	9.00000	2.00000	16.0000
75 Q15B4	7.00000	7.00000	0.00000	7.00000
76 Q15C1	3.00000	10.0000	7.00000	28.0000
77 Q15C2	5.00000	8.00000	3.00000	20.0000
78 Q15C3	2.00000	5.00000	3.00000	7.00000
79 Q15C4	8.00000	8.00000	0.00000	8.00000
80 Q15D1	8.00000	10.0000	2.00000	35.0000
81 Q15D2	6.00000	10.0000	4.00000	24.0000
82 Q15D3	8.00000	8.00000	0.00000	8.00000
83 Q15D4	8.00000	8.00000	0.00000	8.00000
84 Q15E1	2.00000	9.00000	7.00000	11.0000
85 Q15E2	2.00000	10.0000	8.00000	12.0000
86 Q15E3	8.00000	8.00000	0.00000	8.00000
87 Q15E4	MISSING	MISSING	0.00000	0.00000

COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

5 CASES (8.8%) ARE IN THIS SUBSET

5 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
88 Q16	6.40000	2.70185	7.30000	1.20830	42.2164

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
88 Q16	3.00000	9.00000	6.00000	32.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - UNICOS USERS
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COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 89 Q17

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	50.0	50.0	-0.783349
2.00000	1	3	25.0	75.0	0.261116
3.00000	1	4	25.0	100.0	1.30558
TOTAL	4	4	100.0	100.0	

VARIABLE: 90 Q18A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	20.0	20.0	-1.78885
2.00000	4	5	80.0	100.0	0.447214
TOTAL	5	5	100.0	100.0	

VARIABLE: 91 Q18B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	100.0	100.0	0.00000
TOTAL	1	1	100.0	100.0	

ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - UNICOS USERS
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COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

5 CASES (8.8%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
92 Q20A	5	0	0.0
93 Q20B	4	1	20.0
94 Q20C	5	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
92 Q20A	6.80000	3.03315	9.20000	1.35647	44.6051
93 Q20B	8.75000	0.957427	0.916667	0.478714	10.9420
94 Q20C	9.00000	1.22474	1.50000	0.547723	13.6083

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
92 Q20A	3.00000	9.00000	6.00000	34.0000
93 Q20B	8.00000	10.0000	2.00000	35.0000
94 Q20C	7.00000	10.0000	3.00000	45.0000

ABSTAT 4.07
FILE: ZCR3

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COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

5 CASES (8.8%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
95 Q20D1	4	1	20.0
96 Q20D2	5	0	0.0
97 Q20D3	5	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
95 Q20D1	0.0425000	0.0150000	2.250000E-04	0.00750000	35.2941
96 Q20D2	0.700000	0.813173	0.661250	0.363662	116.168
97 Q20D3	4.40000	3.04959	9.30000	1.36382	69.3089

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
95 Q20D1	0.0300000	0.0600000	0.0300000	0.170000
96 Q20D2	0.100000	2.00000	1.90000	3.50000
97 Q20D3	2.00000	9.00000	7.00000	22.0000



COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 98 Q20E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	5	5	100.0	100.0	0.00000
TOTAL	5	5	100.0	100.0	

VARIABLE: 99 Q20F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	3	3	60.0	60.0	-0.730297
2.00000	2	5	40.0	100.0	1.09545
TOTAL	5	5	100.0	100.0	

VARIABLE: 100 Q21A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	4	4	80.0	80.0	-0.447214
2.00000	1	5	20.0	100.0	1.78885
TOTAL	5	5	100.0	100.0	

COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 101 Q22A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	25.0	25.0	-1.50000
2.00000	3	4	75.0	100.0	0.500000
TOTAL	4	4	100.0	100.0	

VARIABLE: 102 Q22B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	3	3	75.0	75.0	-0.500000
2.00000	1	4	25.0	100.0	1.50000
TOTAL	4	4	100.0	100.0	

VARIABLE: 103 Q24A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	40.0	40.0	-1.09545
2.00000	3	5	60.0	100.0	0.730297
TOTAL	5	5	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

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COMMAND: DESC

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

5 CASES (8.8%) ARE IN THIS SUBSET

4 CASES (80.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
104 Q24B	5.75000	1.50000	2.25000	0.750000	26.0870

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
104 Q24B	4.00000	7.00000	3.00000	23.0000

ABSTAT 4.07
FILE: ZCR3

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COMMAND: FREQ

SELECTION ON VAR 6 OSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 105 Q26A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	50.0	50.0	-0.866025
3.00000	2	4	50.0	100.0	0.866025
TOTAL	4	4	100.0	100.0	







ABSTAT 4.07
FILE: ZCR3

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CRAY USER SATISFACTION SURVEY - CRAY 1
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COMMAND: FREQ

SELECTION ON VAR 5 SYSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 10 Q1D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	5	5	62.5	62.5	-0.724569
2.00000	3	8	37.5	100.0	1.20761
TOTAL	8	8	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

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CRAY USER SATISFACTION SURVEY - CRAY 1
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COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

8 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
11 Q2A	8.50000	1.19523	1.42857	0.422577	14.0615
12 Q2B	8.50000	1.41421	2.00000	0.500000	16.6378
13 Q2C1	8.37500	1.50594	2.26786	0.532430	17.9814
14 Q2C2	9.12500	0.834523	0.696429	0.295048	9.14546
15 Q2C3	7.25000	2.05287	4.21429	0.725800	28.3155
16 Q2C4	8.00000	1.69031	2.85714	0.597614	21.1289
17 Q2D	8.00000	1.30931	1.71429	0.462910	16.3663
18 Q2E	7.25000	2.71241	7.35714	0.958980	37.4125
19 Q2F	8.62500	1.40789	1.98214	0.497763	16.3233
20 Q2G	8.62500	1.50594	2.26786	0.532430	17.4602

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
11 Q2A	7.00000	10.0000	3.00000	68.0000
12 Q2B	6.00000	10.0000	4.00000	68.0000
13 Q2C1	6.00000	10.0000	4.00000	67.0000
14 Q2C2	8.00000	10.0000	2.00000	73.0000
15 Q2C3	3.00000	10.0000	7.00000	58.0000
16 Q2C4	5.00000	10.0000	5.00000	64.0000
17 Q2D	6.00000	10.0000	4.00000	64.0000
18 Q2E	3.00000	10.0000	7.00000	58.0000
19 Q2F	6.00000	10.0000	4.00000	69.0000
20 Q2G	6.00000	10.0000	4.00000	69.0000



COMMAND: FREQ

SELECTION ON VAR 5 SYSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 11 Q2A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
7.00000	2	2	25.0	25.0	-1.25499
8.00000	2	4	25.0	50.0	-0.418330
9.00000	2	6	25.0	75.0	0.418330
10.0000	2	8	25.0	100.0	1.25499
TOTAL	8	8	100.0	100.0	

VARIABLE: 12 Q2B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	1	1	12.5	12.5	-1.76777
7.00000	1	2	12.5	25.0	-1.06066
8.00000	1	3	12.5	37.5	-0.353553
9.00000	3	6	37.5	75.0	0.353553
10.0000	2	8	25.0	100.0	1.06066
TOTAL	8	8	100.0	100.0	

VARIABLE: 13 Q2C1

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	1	1	12.5	12.5	-1.57709
7.00000	2	3	25.0	37.5	-0.913051
9.00000	3	6	37.5	75.0	0.415023
10.0000	2	8	25.0	100.0	1.07906
TOTAL	8	8	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 5 SYSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 14 Q2C2

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
8.00000	2	2	25.0	25.0	-1.34808
9.00000	3	5	37.5	62.5	-0.149786
10.0000	3	8	37.5	100.0	1.04850
TOTAL	8	8	100.0	100.0	

VARIABLE: 15 Q2C3

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
3.00000	1	1	12.5	12.5	-2.07027
7.00000	4	5	50.0	62.5	-0.121781
8.00000	1	6	12.5	75.0	0.365342
9.00000	1	7	12.5	87.5	0.852464
10.0000	1	8	12.5	100.0	1.33959
TOTAL	8	8	100.0	100.0	

VARIABLE: 16 Q2C4

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	12.5	12.5	-1.77482
7.00000	2	3	25.0	37.5	-0.591608
8.00000	2	5	25.0	62.5	8.609029E-12
9.00000	1	6	12.5	75.0	0.591608
10.0000	2	8	25.0	100.0	1.18322
TOTAL	8	8	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

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COMMAND: FREQ

SELECTION ON VAR 5 SYSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 17 Q2D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	1	1	12.5	12.5	-1.52753
7.00000	2	3	25.0	37.5	-0.763763
8.00000	2	5	25.0	62.5	1.111421E-11
9.00000	2	7	25.0	87.5	0.763763
10.0000	1	8	12.5	100.0	1.52753
TOTAL	8	8	100.0	100.0	

VARIABLE: 18 Q2E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
3.00000	1	1	12.5	12.5	-1.56687
4.00000	1	2	12.5	25.0	-1.19820
6.00000	1	3	12.5	37.5	-0.460846
7.00000	1	4	12.5	50.0	-0.0921691
9.00000	2	6	25.0	75.0	0.645184
10.0000	2	8	25.0	100.0	1.01386
TOTAL	8	8	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 5 SYSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 19 Q2F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	1	1	12.5	12.5	-1.86450
7.00000	1	2	12.5	25.0	-1.15421
9.00000	4	6	50.0	75.0	0.266357
10.0000	2	8	25.0	100.0	0.976642
TOTAL	8	8	100.0	100.0	

VARIABLE: 20 Q2G

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	1	1	12.5	12.5	-1.74310
7.00000	1	2	12.5	25.0	-1.07906
8.00000	1	3	12.5	37.5	-0.415023
9.00000	2	5	25.0	62.5	0.249014
10.0000	3	8	37.5	100.0	0.913051
TOTAL	8	8	100.0	100.0	



COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
21 Q4	8	0	0.0
22 Q5	8	0	0.0
23 Q5A	8	0	0.0
24 Q5B	7	1	12.5
25 Q5C	4	4	50.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
21 Q4	78.7500	25.1779	633.929	8.90175	31.9720
22 Q5	7.25000	7.90569	62.5000	2.79508	109.044
23 Q5A	56.7500	28.2426	797.643	9.98526	49.7666
24 Q5B	41.2857	18.7236	350.571	7.07684	45.3512
25 Q5C	14.2500	8.69387	75.5833	4.34693	61.0096

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
21 Q4	40.0000	100.000	60.0000	630.000
22 Q5	1.00000	25.0000	24.0000	58.0000
23 Q5A	25.0000	100.000	75.0000	454.000
24 Q5B	5.00000	60.0000	55.0000	289.000
25 Q5C	5.00000	25.0000	20.0000	57.0000



COMMAND: FREQ

SELECTION ON VAR 5 SYSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 23 Q5A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	12.5	12.5	-1.12419
30.0000	1	2	12.5	25.0	-0.947152
40.0000	1	3	12.5	37.5	-0.593076
47.0000	1	4	12.5	50.0	-0.345224
50.0000	1	5	12.5	62.5	-0.239001
67.0000	1	6	12.5	75.0	0.362927
95.0000	1	7	12.5	87.5	1.35434
100.000	1	8	12.5	100.0	1.53138
TOTAL	8	8	100.0	100.0	

VARIABLE: 24 Q5B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	14.3	14.3	-1.93797
33.0000	1	2	14.3	28.6	-0.442529
36.0000	1	3	14.3	42.9	-0.282303
50.0000	2	5	28.6	71.4	0.465418
55.0000	1	6	14.3	85.7	0.732462
60.0000	1	7	14.3	100.0	0.999505
TOTAL	7	7	100.0	100.0	

VARIABLE: 25 Q5C

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	25.0	25.0	-1.06397
10.0000	1	2	25.0	50.0	-0.488850
17.0000	1	3	25.0	75.0	0.316315
25.0000	1	4	25.0	100.0	1.23650
TOTAL	4	4	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

REV#206

CRAY USER SATISFACTION SURVEY - CRAY 1
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COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
26 Q6A	8	0	0.0
27 Q6B	7	1	12.5
28 Q7	8	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
26 Q6A	13.2500	19.3520	374.500	6.84197	146.053
27 Q6B	57.8571	30.5310	932.143	11.5396	52.7697
28 Q7	77.5000	46.8280	2192.86	16.5562	60.4232

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
26 Q6A	1.00000	60.0000	59.0000	106.000
27 Q6B	30.0000	120.000	90.0000	405.000
28 Q7	20.0000	150.000	130.000	620.000



COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
29 Q8A	8	0	0.0
30 Q8B	8	0	0.0
31 Q8C	8	0	0.0
32 Q8D	8	0	0.0
33 Q9	7	1	12.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
29 Q8A	7.37500	1.99553	3.98214	0.705527	27.0580
30 Q8B	6.25000	2.60494	6.78571	0.920985	41.6790
31 Q8C	9.12500	0.834523	0.696429	0.295048	9.14546
32 Q8D	7.75000	2.65922	7.07143	0.940175	34.3125
33 Q9	6.57143	3.55233	12.6190	1.34265	54.0572

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
29 Q8A	4.00000	10.0000	6.00000	59.0000
30 Q8B	2.00000	10.0000	8.00000	50.0000
31 Q8C	8.00000	10.0000	2.00000	73.0000
32 Q8D	2.00000	10.0000	8.00000	62.0000
33 Q9	1.00000	10.0000	9.00000	46.0000

COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
34 Q10A	7	1	12.5
35 Q10B	4	4	50.0
36 Q10C	8	0	0.0
37 Q10D	8	0	0.0
38 Q10E	8	0	0.0
39 Q10F	8	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
34 Q10A	8.57143	1.39728	1.95238	0.528121	16.3016
35 Q10B	8.50000	1.73205	3.00000	0.866025	20.3771
36 Q10C	7.87500	1.95941	3.83929	0.692756	24.8814
37 Q10D	7.87500	2.29518	5.26786	0.811469	29.1452
38 Q10E	8.37500	1.76777	3.12500	0.625000	21.1077
39 Q10F	8.37500	1.40789	1.98214	0.497763	16.8106

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
34 Q10A	7.00000	10.0000	3.00000	60.0000
35 Q10B	7.00000	10.0000	3.00000	34.0000
36 Q10C	4.00000	10.0000	6.00000	63.0000
37 Q10D	3.00000	10.0000	7.00000	63.0000
38 Q10E	5.00000	10.0000	5.00000	67.0000
39 Q10F	7.00000	10.0000	3.00000	67.0000



COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
40 Q12A1	0	8	100.0
41 Q12A2	1	7	87.5
42 Q12A3	1	7	87.5
43 Q12A4	1	7	87.5
44 Q12B1	1	7	87.5
45 Q12B2	1	7	87.5
46 Q12B3	1	7	87.5
47 Q12B4	1	7	87.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
40 Q12A1	0.00000	0.00000	0.00000	0.00000	0.00000
41 Q12A2	7.00000	0.00000	0.00000	0.00000	0.00000
42 Q12A3	30.0000	0.00000	0.00000	0.00000	0.00000
43 Q12A4	7.00000	0.00000	0.00000	0.00000	0.00000
44 Q12B1	7.00000	0.00000	0.00000	0.00000	0.00000
45 Q12B2	60.0000	0.00000	0.00000	0.00000	0.00000
46 Q12B3	90.0000	0.00000	0.00000	0.00000	0.00000
47 Q12B4	30.0000	0.00000	0.00000	0.00000	0.00000

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
40 Q12A1	MISSING	MISSING	0.00000	0.00000
41 Q12A2	7.00000	7.00000	0.00000	7.00000
42 Q12A3	30.0000	30.0000	0.00000	30.0000
43 Q12A4	7.00000	7.00000	0.00000	7.00000
44 Q12B1	7.00000	7.00000	0.00000	7.00000
45 Q12B2	60.0000	60.0000	0.00000	60.0000
46 Q12B3	90.0000	90.0000	0.00000	90.0000
47 Q12B4	30.0000	30.0000	0.00000	30.0000



COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
48 Q13A1	4	4	50.0
49 Q13A2	6	2	25.0
50 Q13A3	1	7	87.5
51 Q13A4	4	4	50.0
52 Q13B1	4	4	50.0
53 Q13B2	5	3	37.5
54 Q13B3	1	7	87.5
55 Q13B4	3	5	62.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
48 Q13A1	7.25000	5.31507	28.2500	2.65754	73.3114
49 Q13A2	27.1667	38.3010	1466.97	15.6363	140.985
50 Q13A3	30.0000	0.00000	0.00000	0.00000	0.00000
51 Q13A4	11.2500	12.8160	164.250	6.40800	113.920
52 Q13B1	114.500	172.133	29629.7	86.0664	150.334
53 Q13B2	97.6000	152.316	23200.3	68.1180	156.062
54 Q13B3	90.0000	0.00000	0.00000	0.00000	0.00000
55 Q13B4	60.6667	103.346	10680.3	59.6667	170.350

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
48 Q13A1	1.00000	14.0000	13.0000	29.0000
49 Q13A2	1.00000	90.0000	89.0000	163.000
50 Q13A3	30.0000	30.0000	0.00000	30.0000
51 Q13A4	1.00000	30.0000	29.0000	45.0000
52 Q13B1	1.00000	365.000	364.000	458.000
53 Q13B2	1.00000	365.000	364.000	488.000
54 Q13B3	90.0000	90.0000	0.00000	90.0000
55 Q13B4	1.00000	180.000	179.000	182.000



COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
56 Q14A1	8	0	0.0
57 Q14A2	8	0	0.0
58 Q14A3	3	5	62.5
59 Q14A4	6	2	25.0
60 Q14B1	8	0	0.0
61 Q14B2	8	0	0.0
62 Q14B3	2	6	75.0
63 Q14B4	6	2	25.0
64 Q14C1	8	0	0.0
65 Q14C2	8	0	0.0
66 Q14C3	2	6	75.0
67 Q14C4	6	2	25.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
56 Q14A1	7.12500	1.45774	2.12500	0.515388	20.4595
57 Q14A2	8.37500	1.40789	1.98214	0.497763	16.8106
58 Q14A3	7.66667	4.04145	16.3333	2.33333	52.7146
59 Q14A4	8.16667	1.16905	1.36667	0.477261	14.3148
60 Q14B1	8.00000	1.19523	1.42857	0.422577	14.9404
61 Q14B2	8.37500	0.916125	0.839286	0.323899	10.9388
62 Q14B3	6.50000	4.94975	24.5000	3.50000	76.1500
63 Q14B4	8.33333	0.816497	0.666667	0.333333	9.79796
64 Q14C1	7.75000	1.83225	3.35714	0.647798	23.6419
65 Q14C2	8.25000	1.28174	1.64286	0.453163	15.5362
66 Q14C3	6.50000	4.94975	24.5000	3.50000	76.1500
67 Q14C4	8.50000	0.836660	0.700000	0.341565	9.84306

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
56 Q14A1	5.00000	10.0000	5.00000	57.0000
57 Q14A2	6.00000	10.0000	4.00000	67.0000
58 Q14A3	3.00000	10.0000	7.00000	23.0000
59 Q14A4	7.00000	10.0000	3.00000	49.0000
60 Q14B1	6.00000	10.0000	4.00000	64.0000
61 Q14B2	7.00000	10.0000	3.00000	67.0000
62 Q14B3	3.00000	10.0000	7.00000	13.0000
63 Q14B4	8.00000	10.0000	2.00000	50.0000
64 Q14C1	4.00000	10.0000	6.00000	62.0000
65 Q14C2	6.00000	10.0000	4.00000	66.0000
66 Q14C3	3.00000	10.0000	7.00000	13.0000
67 Q14C4	8.00000	10.0000	2.00000	51.0000



COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
68 Q15A1	6	2	25.0
69 Q15A2	5	3	37.5
70 Q15A3	2	6	75.0
71 Q15A4	4	4	50.0
72 Q15B1	7	1	12.5
73 Q15B2	8	0	0.0
74 Q15B3	3	5	62.5
75 Q15B4	4	4	50.0
76 Q15C1	8	0	0.0
77 Q15C2	8	0	0.0
78 Q15C3	2	6	75.0
79 Q15C4	6	2	25.0
80 Q15D1	8	0	0.0
81 Q15D2	8	0	0.0
82 Q15D3	3	5	62.5
83 Q15D4	5	3	37.5
84 Q15E1	8	0	0.0
85 Q15E2	7	1	12.5
86 Q15E3	3	5	62.5
87 Q15E4	5	3	37.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
68 Q15A1	7.66667	1.36626	1.86667	0.557773	17.8208
69 Q15A2	8.40000	1.67332	2.80000	0.748331	19.9205
70 Q15A3	8.00000	0.00000	0.00000	0.00000	0.00000
71 Q15A4	7.50000	0.577350	0.333333	0.288675	7.69800
72 Q15B1	6.85714	1.57359	2.47619	0.594762	22.9482
73 Q15B2	8.25000	0.886405	0.785714	0.313392	10.7443
74 Q15B3	7.66667	3.21455	10.3333	1.85592	41.9289
75 Q15B4	7.25000	1.70783	2.91667	0.853913	23.5562
76 Q15C1	8.00000	1.60357	2.57143	0.566947	20.0446
77 Q15C2	8.37500	1.06066	1.12500	0.375000	12.6646
78 Q15C3	9.00000	0.00000	0.00000	0.00000	0.00000
79 Q15C4	7.50000	1.51658	2.30000	0.619139	20.2210
80 Q15D1	8.50000	1.51186	2.28571	0.534522	17.7866
81 Q15D2	8.50000	1.77281	3.14286	0.626783	20.8566
82 Q15D3	9.00000	1.73205	3.00000	1.00000	19.2450
83 Q15D4	8.20000	1.30384	1.70000	0.583095	15.9005
84 Q15E1	8.62500	1.30247	1.69643	0.460493	15.1011
85 Q15E2	8.71429	1.38013	1.90476	0.521641	15.8376
86 Q15E3	9.00000	1.73205	3.00000	1.00000	19.2450
87 Q15E4	8.20000	1.09545	1.20000	0.489898	13.3591



COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
68 Q15A1	6.00000	10.0000	4.00000	46.0000
69 Q15A2	6.00000	10.0000	4.00000	42.0000
70 Q15A3	8.00000	8.00000	0.00000	16.0000
71 Q15A4	7.00000	8.00000	1.00000	30.0000
72 Q15B1	5.00000	9.00000	4.00000	48.0000
73 Q15B2	7.00000	10.0000	3.00000	66.0000
74 Q15B3	4.00000	10.0000	6.00000	23.0000
75 Q15B4	5.00000	9.00000	4.00000	29.0000
76 Q15C1	5.00000	10.0000	5.00000	64.0000
77 Q15C2	7.00000	10.0000	3.00000	67.0000
78 Q15C3	9.00000	9.00000	0.00000	18.0000
79 Q15C4	5.00000	9.00000	4.00000	45.0000
80 Q15D1	6.00000	10.0000	4.00000	68.0000
81 Q15D2	5.00000	10.0000	5.00000	68.0000
82 Q15D3	7.00000	10.0000	3.00000	27.0000
83 Q15D4	7.00000	10.0000	3.00000	41.0000
84 Q15E1	7.00000	10.0000	3.00000	69.0000
85 Q15E2	7.00000	10.0000	3.00000	61.0000
86 Q15E3	7.00000	10.0000	3.00000	27.0000
87 Q15E4	7.00000	10.0000	3.00000	41.0000



ABSTAT 4.07
FILE: ZCR3

REV#206

CRAY USER SATISFACTION SURVEY - CRAY 1
APR 30 '87

PAGE 17

COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

7 CASES (87.5%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
88 Q16	8.28571	1.38013	1.90476	0.521641	16.6568

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
88 Q16	6.00000	10.0000	4.00000	58.0000



ABSTAT 4.07
FILE: ZCR3

REV#206

CRAY USER SATISFACTION SURVEY - CRAY 1
APR 30 '87

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COMMAND: FREQ

SELECTION ON VAR 5 SYSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 89 Q17

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	33.3	33.3	-1.10702
2.00000	3	5	50.0	83.3	0.221404
3.00000	1	6	16.7	100.0	1.54983
TOTAL	6	6	100.0	100.0	

VARIABLE: 90 Q18A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	28.6	28.6	-1.46385
2.00000	5	7	71.4	100.0	0.585540
TOTAL	7	7	100.0	100.0	

VARIABLE: 91 Q18B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	100.0	100.0	0.00000
TOTAL	2	2	100.0	100.0	



COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
92 Q20A	8	0	0.0
93 Q20B	5	3	37.5
94 Q20C	8	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
92 Q20A	7.87500	2.16712	4.69643	0.766194	27.5190
93 Q20B	9.20000	0.447214	0.200000	0.200000	4.86102
94 Q20C	8.00000	1.85164	3.42857	0.654654	23.1455

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
92 Q20A	4.00000	10.0000	6.00000	63.0000
93 Q20B	9.00000	10.0000	1.00000	46.0000
94 Q20C	5.00000	10.0000	5.00000	64.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - CRAY 1
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COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
95 Q20D1	7	1	12.5
96 Q20D2	8	0	0.0
97 Q20D3	8	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
95 Q20D1	14.1686	37.4071	1399.29	14.1386	264.015
96 Q20D2	1.51000	1.96907	3.87723	0.696171	130.402
97 Q20D3	18.3750	32.7629	1073.41	11.5835	178.302

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
95 Q20D1	0.0300000	99.0000	98.9700	99.1800
96 Q20D2	0.0800000	6.00000	5.92000	12.0800
97 Q20D3	3.00000	99.0000	96.0000	147.000



ABSTAT 4.07
FILE: ZCR3

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CRAY USER SATISFACTION SURVEY - CRAY 1
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COMMAND: FREQ

SELECTION ON VAR 5 SYSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 98 Q20E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	7	7	87.5	87.5	-0.353553
2.00000	1	8	12.5	100.0	2.47487
TOTAL	8	8	100.0	100.0	

VARIABLE: 99 Q20F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	6	6	75.0	75.0	-0.540062
2.00000	2	8	25.0	100.0	1.62019
TOTAL	8	8	100.0	100.0	

VARIABLE: 100 Q21A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	4	4	50.0	50.0	-0.935414
2.00000	4	8	50.0	100.0	0.935414
TOTAL	8	8	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 5 SYSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 101 Q22A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	5	5	83.3	83.3	-0.408248
2.00000	1	6	16.7	100.0	2.04124
TOTAL	6	6	100.0	100.0	

VARIABLE: 102 Q22B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	6	6	85.7	85.7	-0.377964
2.00000	1	7	14.3	100.0	2.26779
TOTAL	7	7	100.0	100.0	

VARIABLE: 103 Q24A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	7	7	100.0	100.0	0.00000
TOTAL	7	7	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

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CRAY USER SATISFACTION SURVEY - CRAY 1
APR 30 '87

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COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

7 CASES (87.5%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
104 Q24B	7.57143	1.27242	1.61905	0.480929	16.8055

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
104 Q24B	6.00000	9.00000	3.00000	53.0000



ABSTAT 4.07

FILE: ZCR3

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CRAY USER SATISFACTION SURVEY - CRAY 1

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COMMAND: FREQ

SELECTION ON VAR 5 SYSTYPE =

1.00000 THRU

1.00000

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 105 Q26A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	7	7	100.0	100.0	0.00000
TOTAL	7	7	100.0	100.0	







ABSTAT 4.07

FILE: ZCR3

CRAY USER SATISFACTION SURVEY - XMP

REV#206

APR 30 '87

PAGE 1

COMMAND: FREQ

SELECTION ON VAR 5 SYSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 10 Q1D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	17	17	37.8	37.8	-1.26904
2.00000	28	45	62.2	100.0	0.770487
TOTAL	45	45	100.0	100.0	

COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

46 CASES (80.7%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
11 Q2A	46	0	0.0
12 Q2B	46	0	0.0
13 Q2C1	46	0	0.0
14 Q2C2	46	0	0.0
15 Q2C3	46	0	0.0
16 Q2C4	45	1	2.2
17 Q2D	45	1	2.2
18 Q2E	46	0	0.0
19 Q2F	45	1	2.2
20 Q2G	46	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
11 Q2A	8.97826	0.954268	0.910628	0.140699	10.6287
12 Q2B	8.17391	1.79263	3.21353	0.264309	21.9311
13 Q2C1	7.63043	1.71735	2.94928	0.253209	22.5065
14 Q2C2	7.73913	1.71833	2.95266	0.253354	22.2031
15 Q2C3	5.86957	1.98448	3.93816	0.292596	33.8097
16 Q2C4	6.84444	1.99949	3.99798	0.298067	29.2134
17 Q2D	7.68889	1.71653	2.94646	0.255885	22.3248
18 Q2E	6.06522	2.69487	7.26232	0.397337	44.4315
19 Q2F	6.93333	1.83897	3.38182	0.274138	26.5236
20 Q2G	7.65217	1.89991	3.60966	0.280127	24.8284

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
11 Q2A	7.00000	10.0000	3.00000	413.000
12 Q2B	4.00000	10.0000	6.00000	376.000
13 Q2C1	1.00000	10.0000	9.00000	351.000
14 Q2C2	1.00000	10.0000	9.00000	356.000
15 Q2C3	1.00000	9.00000	8.00000	270.000
16 Q2C4	1.00000	10.0000	9.00000	308.000
17 Q2D	1.00000	10.0000	9.00000	346.000
18 Q2E	1.00000	10.0000	9.00000	279.000
19 Q2F	1.00000	10.0000	9.00000	312.000
20 Q2G	2.00000	10.0000	8.00000	352.000

COMMAND: FREQ

SELECTION ON VAR 5 SYSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 11 Q2A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
7.00000	3	3	6.5	6.5	-2.07307
8.00000	12	15	26.1	32.6	-1.02514
9.00000	14	29	30.4	63.0	0.0227809
10.0000	17	46	37.0	100.0	1.07070
TOTAL	46	46	100.0	100.0	

VARIABLE: 12 Q2B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	3	3	6.5	6.5	-2.32837
5.00000	3	6	6.5	13.0	-1.77053
6.00000	1	7	2.2	15.2	-1.21269
7.00000	6	13	13.0	28.3	-0.654855
8.00000	8	21	17.4	45.7	-0.0970155
9.00000	13	34	28.3	73.9	0.460824
10.0000	12	46	26.1	100.0	1.01866
TOTAL	46	46	100.0	100.0	

VARIABLE: 13 Q2C1

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	2.2	2.2	-3.86086
5.00000	4	5	8.7	10.9	-1.53169
6.00000	5	10	10.9	21.7	-0.949392
7.00000	6	16	13.0	34.8	-0.367098
8.00000	17	33	37.0	71.7	0.215196
9.00000	8	41	17.4	89.1	0.797490
10.0000	5	46	10.9	100.0	1.37978
TOTAL	46	46	100.0	100.0	

COMMAND: FREQ

SELECTION ON VAR 5 SYSTYPE =

3.00000 THRU

3.00000

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 14 Q2C2

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	2.2	2.2	-3.92191
5.00000	3	4	6.5	8.7	-1.59407
6.00000	5	9	10.9	19.6	-1.01211
7.00000	7	16	15.2	34.8	-0.430145
8.00000	15	31	32.6	67.4	0.151816
9.00000	9	40	19.6	87.0	0.733776
10.0000	6	46	13.0	100.0	1.31574
TOTAL	46	46	100.0	100.0	

VARIABLE: 15 Q2C3

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	2.2	2.2	-2.45382
2.00000	4	5	8.7	10.9	-1.94991
3.00000	2	7	4.3	15.2	-1.44600
4.00000	2	9	4.3	19.6	-0.942093
5.00000	7	16	15.2	34.8	-0.438183
6.00000	9	25	19.6	54.3	0.0657274
7.00000	11	36	23.9	78.3	0.569638
8.00000	9	45	19.6	97.8	1.07355
9.00000	1	46	2.2	100.0	1.57746
TOTAL	46	46	100.0	100.0	

VARIABLE: 16 Q2C4

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	2.2	2.2	-2.92296
2.00000	1	2	2.2	4.4	-2.42283
3.00000	2	4	4.4	8.9	-1.92271
4.00000	1	5	2.2	11.1	-1.42258
5.00000	4	9	8.9	20.0	-0.922455
6.00000	7	16	15.6	35.6	-0.422329
7.00000	9	25	20.0	55.6	0.0777974
8.00000	11	36	24.4	80.0	0.577924
9.00000	8	44	17.8	97.8	1.07805
10.0000	1	45	2.2	100.0	1.57818
TOTAL	45	45	100.0	100.0	

ABSTAT 4.07
FILE: ZCR3

REV#206

CRAY USER SATISFACTION SURVEY - XMP

APR 30 '87

PAGE 5

COMMAND: FREQ

SELECTION ON VAR 5 SYSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 17 Q2D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	2.2	2.2	-3.89676
5.00000	4	5	8.9	11.1	-1.56647
6.00000	2	7	4.4	15.6	-0.983899
7.00000	10	17	22.2	37.8	-0.401327
8.00000	15	32	33.3	71.1	0.181245
9.00000	7	39	15.6	86.7	0.763816
10.0000	6	45	13.3	100.0	1.34639
TOTAL	45	45	100.0	100.0	

VARIABLE: 18 Q2E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	3	3	6.5	6.5	-1.87958
2.00000	2	5	4.3	10.9	-1.50850
3.00000	5	10	10.9	21.7	-1.13743
4.00000	5	15	10.9	32.6	-0.766352
5.00000	3	18	6.5	39.1	-0.395276
6.00000	4	22	8.7	47.8	-0.0242006
7.00000	7	29	15.2	63.0	0.346875
8.00000	10	39	21.7	84.8	0.717951
9.00000	1	40	2.2	87.0	1.08903
10.0000	6	46	13.0	100.0	1.46010
TOTAL	46	46	100.0	100.0	

COMMAND: FREQ

SELECTION ON VAR 5 SYSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 19 Q2F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	2.2	2.2	-3.22644
2.00000	1	2	2.2	4.4	-2.68266
4.00000	1	3	2.2	6.7	-1.59509
5.00000	5	8	11.1	17.8	-1.05131
6.00000	9	17	20.0	37.8	-0.507530
7.00000	6	23	13.3	51.1	0.0362521
8.00000	16	39	35.6	86.7	0.580034
9.00000	4	43	8.9	95.6	1.12382
10.0000	2	45	4.4	100.0	1.66760
TOTAL	45	45	100.0	100.0	

VARIABLE: 20 Q2G

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	2.2	2.2	-2.97497
4.00000	1	2	2.2	4.3	-1.92229
5.00000	6	8	13.0	17.4	-1.39595
6.00000	3	11	6.5	23.9	-0.869606
7.00000	7	18	15.2	39.1	-0.343266
8.00000	12	30	26.1	65.2	0.183075
9.00000	7	37	15.2	80.4	0.709415
10.0000	9	46	19.6	100.0	1.23576
TOTAL	46	46	100.0	100.0	

COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

46 CASES (80.7%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
21 Q4	46	0	0.0
22 Q5	41	5	10.9
23 Q5A	40	6	13.0
24 Q5B	38	8	17.4
25 Q5C	19	27	58.7

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
21 Q4	69.2609	25.9173	671.708	3.82130	37.4199
22 Q5	6.95122	6.14390	37.7476	0.959517	88.3860
23 Q5A	49.2000	27.7518	770.164	4.38795	56.4062
24 Q5B	47.2105	26.0801	680.171	4.23075	55.2421
25 Q5C	28.3158	25.5562	653.117	5.86298	90.2541

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
21 Q4	5.00000	100.000	95.0000	3186.00
22 Q5	1.00000	28.0000	27.0000	285.000
23 Q5A	3.00000	100.000	97.0000	1968.00
24 Q5B	6.00000	100.000	94.0000	1794.00
25 Q5C	2.00000	100.000	98.0000	538.000

COMMAND: FREQ

SELECTION ON VAR 5 SYSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 23 Q5A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
3.00000	1	1	2.5	2.5	-1.66476
10.0000	2	3	5.0	7.5	-1.41252
20.0000	5	8	12.5	20.0	-1.05218
25.0000	5	13	12.5	32.5	-0.872015
30.0000	1	14	2.5	35.0	-0.691846
33.0000	3	17	7.5	42.5	-0.583745
34.0000	1	18	2.5	45.0	-0.547712
43.0000	1	19	2.5	47.5	-0.223409
50.0000	4	23	10.0	57.5	0.0288269
60.0000	1	24	2.5	60.0	0.389164
63.0000	1	25	2.5	62.5	0.497264
66.0000	1	26	2.5	65.0	0.605365
67.0000	2	28	5.0	70.0	0.641399
68.0000	1	29	2.5	72.5	0.677433
70.0000	1	30	2.5	75.0	0.749500
75.0000	5	35	12.5	87.5	0.929668
90.0000	2	37	5.0	92.5	1.47017
98.0000	1	38	2.5	95.0	1.75844
100.000	2	40	5.0	100.0	1.83051
TOTAL	40	40	100.0	100.0	

VARIABLE: 24 Q5B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	1	1	2.6	2.6	-1.58015
10.0000	2	3	5.3	7.9	-1.42678
17.0000	1	4	2.6	10.5	-1.15838
18.0000	1	5	2.6	13.2	-1.12003
20.0000	2	7	5.3	18.4	-1.04335
25.0000	2	9	5.3	23.7	-0.851628
27.0000	1	10	2.6	26.3	-0.774941
30.0000	1	11	2.6	28.9	-0.659911
33.0000	4	15	10.5	39.5	-0.544880
34.0000	1	16	2.6	42.1	-0.506537
37.0000	1	17	2.6	44.7	-0.391507
40.0000	2	19	5.3	50.0	-0.276476
43.0000	1	20	2.6	52.6	-0.161446
47.0000	1	21	2.6	55.3	-0.00807230
50.0000	4	25	10.5	65.8	0.106958
60.0000	2	27	5.3	71.1	0.490392
66.0000	1	28	2.6	73.7	0.720453
67.0000	1	29	2.6	76.3	0.758796
70.0000	1	30	2.6	78.9	0.873827
75.0000	2	32	5.3	84.2	1.06554

80.0000

2

34

5.3

89.5

1.25726

COMMAND: FREQ

VARIABLE: 24 Q5B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
90.0000	2	36	5.3	94.7	1.64070
100.000	2	38	5.3	100.0	2.02413
TOTAL	38	38	100.0	100.0	

VARIABLE: 25 Q5C

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	5.3	5.3	-1.02972
5.00000	2	3	10.5	15.8	-0.912336
7.00000	1	4	5.3	21.1	-0.834077
8.00000	1	5	5.3	26.3	-0.794947
10.0000	2	7	10.5	36.8	-0.716688
14.0000	1	8	5.3	42.1	-0.560170
20.0000	1	9	5.3	47.4	-0.325393
25.0000	1	10	5.3	52.6	-0.129745
26.0000	1	11	5.3	57.9	-0.0906157
33.0000	1	12	5.3	63.2	0.183291
34.0000	2	14	10.5	73.7	0.222420
40.0000	2	16	10.5	84.2	0.457198
50.0000	1	17	5.3	89.5	0.848493
75.0000	1	18	5.3	94.7	1.82673
100.000	1	19	5.3	100.0	2.80497
TOTAL	19	19	100.0	100.0	

ABSTAT 4.07
FILE: ZCR3

REV#206

CRAY USER SATISFACTION SURVEY - XMP

APR 30 '87

PAGE 10

COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

46 CASES (80.7%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
26 Q6A	43	3	6.5
27 Q6B	41	5	10.9
28 Q7	35	11	23.9

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
26 Q6A	8.27907	11.8409	140.206	1.80571	143.022
27 Q6B	58.0000	33.6259	1130.70	5.25148	57.9757
28 Q7	111.400	94.5896	8947.19	15.9886	84.9099

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
26 Q6A	1.00000	60.0000	59.0000	356.000
27 Q6B	5.00000	150.000	145.000	2378.00
28 Q7	15.0000	480.000	465.000	3899.00

ABSTAT 4.07
FILE: ZCR3

REV#206

CRAY USER SATISFACTION SURVEY - XMP

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COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

46 CASES (80.7%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
29 Q8A	46	0	0.0
30 Q8B	46	0	0.0
31 Q8C	43	3	6.5
32 Q8D	43	3	6.5
33 Q9	33	13	28.3

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
29 Q8A	7.95652	1.84940	3.42029	0.272680	23.2439
30 Q8B	6.82609	1.98107	3.92464	0.292093	29.0220
31 Q8C	8.81395	1.20031	1.44075	0.183046	13.6183
32 Q8D	7.90698	1.77031	3.13400	0.269970	22.3892
33 Q9	6.39394	2.13511	4.55871	0.371676	33.3928

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
29 Q8A	3.00000	10.0000	7.00000	366.000
30 Q8B	2.00000	10.0000	8.00000	314.000
31 Q8C	5.00000	10.0000	5.00000	379.000
32 Q8D	2.00000	10.0000	8.00000	340.000
33 Q9	1.00000	9.00000	8.00000	211.000

COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

46 CASES (80.7%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
34 Q10A	42	4	8.7
35 Q10B	30	16	34.8
36 Q10C	41	5	10.9
37 Q10D	39	7	15.2
38 Q10E	45	1	2.2
39 Q10F	35	11	23.9

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
34 Q10A	8.61905	1.32430	1.75377	0.204344	15.3648
35 Q10B	7.16667	1.59921	2.55747	0.291974	22.3146
36 Q10C	7.92683	1.86266	3.46951	0.290899	23.4982
37 Q10D	7.56410	2.13732	4.56815	0.342246	28.2561
38 Q10E	8.24444	1.35102	1.82525	0.201398	16.3870
39 Q10F	8.25714	1.06668	1.13782	0.180303	12.9183

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
34 Q10A	3.00000	10.0000	7.00000	362.000
35 Q10B	3.00000	10.0000	7.00000	215.000
36 Q10C	3.00000	10.0000	7.00000	325.000
37 Q10D	2.00000	10.0000	8.00000	295.000
38 Q10E	4.00000	10.0000	6.00000	371.000
39 Q10F	5.00000	10.0000	5.00000	289.000

COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

46 CASES (80.7%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
40 Q12A1	6	40	87.0
41 Q12A2	5	41	89.1
42 Q12A3	3	43	93.5
43 Q12A4	10	36	78.3
44 Q12B1	10	36	78.3
45 Q12B2	10	36	78.3
46 Q12B3	3	43	93.5
47 Q12B4	10	36	78.3

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
40 Q12A1	62.6667	148.132	21943.1	60.4746	236.381
41 Q12A2	93.6000	157.502	24806.8	70.4369	168.271
42 Q12A3	66.3333	56.5803	3201.33	32.6667	85.2970
43 Q12A4	12.5000	30.5551	933.611	9.66236	244.440
44 Q12B1	41.4000	113.910	12975.6	36.0217	275.146
45 Q12B2	62.2000	115.113	13251.1	36.4020	185.070
46 Q12B3	66.3333	56.5803	3201.33	32.6667	85.2970
47 Q12B4	14.5000	30.3727	922.500	9.60469	209.467

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
40 Q12A1	1.00000	365.000	364.000	376.000
41 Q12A2	1.00000	365.000	364.000	468.000
42 Q12A3	1.00000	99.0000	98.0000	199.000
43 Q12A4	1.00000	99.0000	98.0000	125.000
44 Q12B1	1.00000	365.000	364.000	414.000
45 Q12B2	1.00000	365.000	364.000	622.000
46 Q12B3	1.00000	99.0000	98.0000	199.000
47 Q12B4	1.00000	99.0000	98.0000	145.000

COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

46 CASES (80.7%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
48 Q13A1	21	25	54.3
49 Q13A2	21	25	54.3
50 Q13A3	6	40	87.0
51 Q13A4	16	30	65.2
52 Q13B1	28	18	39.1
53 Q13B2	28	18	39.1
54 Q13B3	7	39	84.8
55 Q13B4	17	29	63.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
48 Q13A1	28.2857	81.3475	6617.41	17.7515	287.592
49 Q13A2	41.9524	85.9834	7393.15	18.7631	204.955
50 Q13A3	54.8333	56.6054	3204.17	23.1090	103.232
51 Q13A4	35.5000	55.2630	3054.00	13.8158	155.670
52 Q13B1	72.3929	84.8141	7193.43	16.0284	117.158
53 Q13B2	91.5357	111.923	12526.9	21.1515	122.273
54 Q13B3	82.2857	78.6929	6192.57	29.7431	95.6337
55 Q13B4	59.7059	68.1293	4641.60	16.5238	114.108

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
48 Q13A1	1.00000	365.000	364.000	594.000
49 Q13A2	1.00000	365.000	364.000	881.000
50 Q13A3	1.00000	120.000	119.000	329.000
51 Q13A4	1.00000	180.000	179.000	568.000
52 Q13B1	1.00000	365.000	364.000	2027.000
53 Q13B2	1.00000	365.000	364.000	2563.000
54 Q13B3	1.00000	180.000	179.000	576.000
55 Q13B4	2.00000	180.000	178.000	1015.000

COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

46 CASES (80.7%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
56 Q14A1	43	3	6.5
57 Q14A2	42	4	8.7
58 Q14A3	9	37	80.4
59 Q14A4	26	20	43.5
60 Q14B1	37	9	19.6
61 Q14B2	37	9	19.6
62 Q14B3	10	36	78.3
63 Q14B4	22	24	52.2
64 Q14C1	33	13	28.3
65 Q14C2	35	11	23.9
66 Q14C3	8	38	82.6
67 Q14C4	19	27	58.7

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
56 Q14A1	7.18605	1.95492	3.82171	0.298122	27.2044
57 Q14A2	7.28571	1.70058	2.89199	0.262406	23.3413
58 Q14A3	6.44444	2.35112	5.52778	0.783708	36.4829
59 Q14A4	7.76923	1.24283	1.54462	0.243738	15.9968
60 Q14B1	7.45946	2.18065	4.75526	0.358497	29.2334
61 Q14B2	7.24324	2.07372	4.30030	0.340917	28.6297
62 Q14B3	6.60000	2.91357	8.48889	0.921352	44.1450
63 Q14B4	7.86364	1.42413	2.02814	0.303625	18.1103
64 Q14C1	6.69697	2.17205	4.71780	0.378105	32.4333
65 Q14C2	6.28571	2.19051	4.79832	0.370263	34.8490
66 Q14C3	5.50000	2.82843	8.00000	1.00000	51.4259
67 Q14C4	7.26316	1.75885	3.09357	0.403509	24.2161

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
56 Q14A1	2.00000	10.0000	8.00000	309.000
57 Q14A2	3.00000	10.0000	7.00000	306.000
58 Q14A3	2.00000	9.00000	7.00000	58.0000
59 Q14A4	5.00000	10.0000	5.00000	202.000
60 Q14B1	1.00000	10.0000	9.00000	276.000
61 Q14B2	1.00000	10.0000	9.00000	268.000
62 Q14B3	1.00000	10.0000	9.00000	66.0000
63 Q14B4	3.00000	10.0000	7.00000	173.000
64 Q14C1	1.00000	10.0000	9.00000	221.000
65 Q14C2	1.00000	10.0000	9.00000	220.000
66 Q14C3	1.00000	9.00000	8.00000	44.0000
67 Q14C4	3.00000	10.0000	7.00000	138.000

COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

46 CASES (80.7%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
68 Q15A1	30	16	34.8
69 Q15A2	24	22	47.8
70 Q15A3	3	43	93.5
71 Q15A4	14	32	69.6
72 Q15B1	33	13	28.3
73 Q15B2	34	12	26.1
74 Q15B3	7	39	84.8
75 Q15B4	18	28	60.9
76 Q15C1	29	17	37.0
77 Q15C2	22	24	52.2
78 Q15C3	6	40	87.0
79 Q15C4	16	30	65.2
80 Q15D1	42	4	8.7
81 Q15D2	40	6	13.0
82 Q15D3	7	39	84.8
83 Q15D4	18	28	60.9
84 Q15E1	33	13	28.3
85 Q15E2	25	21	45.7
86 Q15E3	6	40	87.0
87 Q15E4	20	26	56.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
68 Q15A1	7.53333	1.50249	2.25747	0.274316	19.9445
69 Q15A2	7.45833	1.41357	1.99819	0.288544	18.9529
70 Q15A3	8.00000	2.00000	4.00000	1.15470	25.0000
71 Q15A4	7.14286	1.40642	1.97802	0.375882	19.6899
72 Q15B1	7.18182	1.68550	2.84091	0.293408	23.4690
73 Q15B2	7.79412	1.34343	1.80481	0.230397	17.2365
74 Q15B3	7.71429	0.755929	0.571429	0.285714	9.79908
75 Q15B4	7.05556	1.51356	2.29085	0.356748	21.4520
76 Q15C1	7.24138	1.99383	3.97537	0.370245	27.5339
77 Q15C2	7.00000	2.13809	4.57143	0.455842	30.5441
78 Q15C3	5.50000	3.01662	9.10000	1.23153	54.8476
79 Q15C4	7.18750	1.37689	1.89583	0.344223	19.1568
80 Q15D1	7.76190	1.76427	3.11266	0.272233	22.7299
81 Q15D2	7.75000	1.87767	3.52564	0.296886	24.2280
82 Q15D3	6.00000	3.16228	10.00000	1.19523	52.7046
83 Q15D4	6.38889	2.37979	5.66340	0.560922	37.2489
84 Q15E1	7.66667	1.55456	2.41667	0.270615	20.2769
85 Q15E2	7.60000	1.73205	3.00000	0.346410	22.7901
86 Q15E3	7.83333	0.408248	0.166667	0.166667	5.21168
87 Q15E4	8.15000	1.08942	1.18684	0.243602	13.3672

COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
68 Q15A1	4.00000	10.0000	6.00000	226.000
69 Q15A2	5.00000	10.0000	5.00000	179.000
70 Q15A3	6.00000	10.0000	4.00000	24.0000
71 Q15A4	4.00000	9.00000	5.00000	100.000
72 Q15B1	1.00000	10.0000	9.00000	237.000
73 Q15B2	5.00000	10.0000	5.00000	265.000
74 Q15B3	7.00000	9.00000	2.00000	54.0000
75 Q15B4	5.00000	10.0000	5.00000	127.000
76 Q15C1	3.00000	10.0000	7.00000	210.000
77 Q15C2	1.00000	9.00000	8.00000	154.000
78 Q15C3	2.00000	9.00000	7.00000	33.0000
79 Q15C4	3.00000	9.00000	6.00000	115.000
80 Q15D1	2.00000	10.0000	8.00000	326.000
81 Q15D2	2.00000	10.0000	8.00000	310.000
82 Q15D3	1.00000	10.0000	9.00000	42.0000
83 Q15D4	1.00000	10.0000	9.00000	115.000
84 Q15E1	4.00000	10.0000	6.00000	253.000
85 Q15E2	1.00000	10.0000	9.00000	190.000
86 Q15E3	7.00000	8.00000	1.00000	47.0000
87 Q15E4	6.00000	10.0000	4.00000	163.000

ABSTAT 4.07
FILE: ZCR3

REV#206

CRAY USER SATISFACTION SURVEY - XMP

APR 30 '87

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COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

46 CASES (80.7%) ARE IN THIS SUBSET

46 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
88 Q16	8.10870	1.63610	2.67681	0.241229	20.1771

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
88 Q16	3.00000	10.0000	7.00000	373.000

COMMAND: FREQ

SELECTION ON VAR 5 SYSTYPE = 3.00000 THRU 3.00000
 MISSING VALUE TREATMENT: VARWISE

VARIABLE: 89 Q17

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	14	14	34.1	34.1	-1.18547
2.00000	21	35	51.2	85.4	0.287387
3.00000	6	41	14.6	100.0	1.76025
TOTAL	41	41	100.0	100.0	

VARIABLE: 90 Q18A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	14	14	31.1	31.1	-1.47142
2.00000	31	45	68.9	100.0	0.664513
TOTAL	45	45	100.0	100.0	

VARIABLE: 91 Q18B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	8	8	66.7	66.7	-0.677003
2.00000	4	12	33.3	100.0	1.35401
TOTAL	12	12	100.0	100.0	

COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

46 CASES (80.7%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
92 Q20A	46	0	0.0
93 Q20B	40	6	13.0
94 Q20C	46	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
92 Q20A	7.80435	1.57225	2.47198	0.231816	20.1459
93 Q20B	7.57500	1.73778	3.01987	0.274767	22.9410
94 Q20C	8.17391	1.62350	2.63575	0.239372	19.8620

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
92 Q20A	4.00000	10.0000	6.00000	359.000
93 Q20B	2.00000	10.0000	8.00000	303.000
94 Q20C	1.00000	10.0000	9.00000	376.000

ABSTAT 4.07
FILE: ZCR3

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CRAY USER SATISFACTION SURVEY - XMP

APR 30 '87

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COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

46 CASES (80.7%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
95 Q20D1	37	9	19.6
96 Q20D2	46	0	0.0
97 Q20D3	40	6	13.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
95 Q20D1	3.03216	16.2478	263.991	2.67112	535.849
96 Q20D2	0.652174	0.451501	0.203853	0.0665702	69.2301
97 Q20D3	6.05075	4.56727	20.8599	0.722149	75.4827

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
95 Q20D1	0.0300000	99.0000	98.9700	112.190
96 Q20D2	0.100000	2.00000	1.90000	30.0000
97 Q20D3	0.0300000	20.0000	19.9700	242.030

COMMAND: FREQ

SELECTION ON VAR 5 SYSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 98 Q20E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	40	40	87.0	87.0	-0.383065
2.00000	6	46	13.0	100.0	2.55377
TOTAL	46	46	100.0	100.0	

VARIABLE: 99 Q20F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	36	36	85.7	85.7	-0.403359
2.00000	6	42	14.3	100.0	2.42015
TOTAL	42	42	100.0	100.0	

VARIABLE: 100 Q21A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	29	29	63.0	63.0	-0.757274
2.00000	17	46	37.0	100.0	1.29182
TOTAL	46	46	100.0	100.0	

COMMAND: FREQ

SELECTION ON VAR 5 SYSTPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 101 Q22A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	19	19	52.8	52.8	-0.932675
2.00000	17	36	47.2	100.0	1.04240
TOTAL	36	36	100.0	100.0	

VARIABLE: 102 Q22B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	26	26	60.5	60.5	-0.799150
2.00000	17	43	39.5	100.0	1.22223
TOTAL	43	43	100.0	100.0	

VARIABLE: 103 Q24A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	29	29	67.4	67.4	-0.686682
2.00000	14	43	32.6	100.0	1.42241
TOTAL	43	43	100.0	100.0	

ABSTAT 4.07
FILE: ZCR3

REV#206

CRAY USER SATISFACTION SURVEY - XMP

APR 30 '87

PAGE 24

COMMAND: DESC

SELECTION ON VAR 5 SYSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

46 CASES (80.7%) ARE IN THIS SUBSET

42 CASES (91.3%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
104 Q24B	7.50000	1.38370	1.91463	0.213510	18.4494

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
104 Q24B	3.00000	10.0000	7.00000	315.000

ABSTAT 4.07
FILE: ZCR3

REV#206

CRAY USER SATISFACTION SURVEY - XMP

APR 30 '87

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COMMAND: FREQ

SELECTION ON VAR 5 SYSTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 105 Q26A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	34	34	75.6	75.6	-0.541193
2.00000	1	35	2.2	77.8	0.517663
3.00000	8	43	17.8	95.6	1.57652
4.00000	2	45	4.4	100.0	2.63538
TOTAL	45	45	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 0-40% UTILIZATION
REV#206

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PAGE 1

COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 10 Q1D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	3	3	30.0	30.0	-1.44914
2.00000	7	10	70.0	100.0	0.621059
TOTAL	10	10	100.0	100.0	

COMMAND: DESC

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

10 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
11 Q2A	8.50000	1.08012	1.16667	0.341565	12.7073
12 Q2B	8.00000	1.88562	3.55556	0.596285	23.5702
13 Q2C1	8.00000	1.05409	1.11111	0.333333	13.1762
14 Q2C2	8.50000	1.26930	1.61111	0.401386	14.9329
15 Q2C3	5.90000	2.13177	4.54444	0.674125	36.1317
16 Q2C4	7.00000	1.56347	2.44444	0.494413	22.3353
17 Q2D	7.60000	1.64655	2.71111	0.520683	21.6651
18 Q2E	4.90000	3.10734	9.65556	0.982627	63.4151
19 Q2F	6.40000	2.67499	7.15556	0.845905	41.7967
20 Q2G	8.20000	1.61933	2.62222	0.512076	19.7479

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
11 Q2A	7.00000	10.0000	3.00000	85.0000
12 Q2B	4.00000	10.0000	6.00000	80.0000
13 Q2C1	6.00000	9.00000	3.00000	80.0000
14 Q2C2	6.00000	10.0000	4.00000	85.0000
15 Q2C3	2.00000	8.00000	6.00000	59.0000
16 Q2C4	4.00000	9.00000	5.00000	70.0000
17 Q2D	5.00000	10.0000	5.00000	76.0000
18 Q2E	1.00000	10.0000	9.00000	49.0000
19 Q2F	1.00000	10.0000	9.00000	64.0000
20 Q2G	5.00000	10.0000	5.00000	82.0000



COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 11 Q2A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
7.00000	2	2	20.0	20.0	-1.38873
8.00000	3	5	30.0	50.0	-0.462910
9.00000	3	8	30.0	80.0	0.462910
10.0000	2	10	20.0	100.0	1.38873
TOTAL	10	10	100.0	100.0	

VARIABLE: 12 Q2B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	1	1	10.0	10.0	-2.12132
6.00000	1	2	10.0	20.0	-1.06066
7.00000	1	3	10.0	30.0	-0.530330
8.00000	2	5	20.0	50.0	0.00000
9.00000	3	8	30.0	80.0	0.530330
10.0000	2	10	20.0	100.0	1.06066
TOTAL	10	10	100.0	100.0	

VARIABLE: 13 Q2C1

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	1	1	10.0	10.0	-1.89737
7.00000	2	3	20.0	30.0	-0.948683
8.00000	3	6	30.0	60.0	-2.76103E-11
9.00000	4	10	40.0	100.0	0.948683
TOTAL	10	10	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 14 Q2C2

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	1	1	10.0	10.0	-1.96960
7.00000	1	2	10.0	20.0	-1.18176
8.00000	2	4	20.0	40.0	-0.393919
9.00000	4	8	40.0	80.0	0.393919
10.0000	2	10	20.0	100.0	1.18176
TOTAL	10	10	100.0	100.0	

VARIABLE: 15 Q2C3

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	10.0	10.0	-1.82947
3.00000	1	2	10.0	20.0	-1.36037
5.00000	2	4	20.0	40.0	-0.422184
6.00000	1	5	10.0	50.0	0.0469094
7.00000	2	7	20.0	70.0	0.516003
8.00000	3	10	30.0	100.0	0.985097
TOTAL	10	10	100.0	100.0	

VARIABLE: 16 Q2C4

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	1	1	10.0	10.0	-1.91881
5.00000	1	2	10.0	20.0	-1.27920
6.00000	1	3	10.0	30.0	-0.639602
7.00000	2	5	20.0	50.0	-9.30744E-12
8.00000	4	9	40.0	90.0	0.639602
9.00000	1	10	10.0	100.0	1.27920
TOTAL	10	10	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 17 Q2D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	2	2	20.0	20.0	-1.57906
7.00000	2	4	20.0	40.0	-0.364399
8.00000	3	7	30.0	70.0	0.242933
9.00000	2	9	20.0	90.0	0.850265
10.0000	1	10	10.0	100.0	1.45760
TOTAL	10	10	100.0	100.0	

VARIABLE: 18 Q2E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	10.0	10.0	-1.25509
2.00000	1	2	10.0	20.0	-0.933274
3.00000	3	5	30.0	50.0	-0.611456
4.00000	1	6	10.0	60.0	-0.289637
7.00000	2	8	20.0	80.0	0.675819
9.00000	1	9	10.0	90.0	1.31946
10.0000	1	10	10.0	100.0	1.64128
TOTAL	10	10	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 19 Q2F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	10.0	10.0	-2.01870
5.00000	3	4	30.0	40.0	-0.523367
6.00000	2	6	20.0	60.0	-0.149533
8.00000	1	7	10.0	70.0	0.598134
9.00000	2	9	20.0	90.0	0.971967
10.0000	1	10	10.0	100.0	1.34580
TOTAL	10	10	100.0	100.0	

VARIABLE: 20 Q2G

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	10.0	10.0	-1.97613
6.00000	1	2	10.0	20.0	-1.35859
8.00000	3	5	30.0	50.0	-0.123508
9.00000	3	8	30.0	80.0	0.494032
10.0000	2	10	20.0	100.0	1.11157
TOTAL	10	10	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 0-40% UTILIZATION
REV#206

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COMMAND: DESC

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
21 Q4	10	0	0.0
22 Q5	9	1	10.0
23 Q5A	7	3	30.0
24 Q5B	8	2	20.0
25 Q5C	3	7	70.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
21 Q4	31.5000	14.1520	200.278	4.47524	44.9268
22 Q5	6.33333	8.45577	71.5000	2.81859	133.512
23 Q5A	50.2857	36.6593	1343.90	13.8559	72.9020
24 Q5B	64.1250	33.8966	1148.98	11.9843	52.8603
25 Q5C	45.0000	48.2183	2325.00	27.8388	107.152

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
21 Q4	5.00000	40.0000	35.0000	315.000
22 Q5	1.00000	28.0000	27.0000	57.0000
23 Q5A	10.0000	100.000	90.0000	352.000
24 Q5B	5.00000	100.000	95.0000	513.000
25 Q5C	10.0000	100.000	90.0000	135.000



COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 23 Q5A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
10.0000	1	1	14.3	14.3	-1.09892
25.0000	2	3	28.6	42.9	-0.689749
30.0000	1	4	14.3	57.1	-0.553358
67.0000	1	5	14.3	71.4	0.455936
95.0000	1	6	14.3	85.7	1.21973
100.000	1	7	14.3	100.0	1.35612
TOTAL	7	7	100.0	100.0	

VARIABLE: 24 Q5B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	12.5	12.5	-1.74427
33.0000	1	2	12.5	25.0	-0.918233
50.0000	1	3	12.5	37.5	-0.416708
60.0000	1	4	12.5	50.0	-0.121693
75.0000	1	5	12.5	62.5	0.320828
90.0000	1	6	12.5	75.0	0.763350
100.000	2	8	25.0	100.0	1.05836
TOTAL	8	8	100.0	100.0	

VARIABLE: 25 Q5C

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
10.0000	1	1	33.3	33.3	-0.725866
25.0000	1	2	33.3	66.7	-0.414781
100.000	1	3	33.3	100.0	1.14065
TOTAL	3	3	100.0	100.0	

ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 0-40% UTILIZATION
REV#206

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COMMAND: DESC

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
26 Q6A	9	1	10.0
27 Q6B	8	2	20.0
28 Q7	5	5	50.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
26 Q6A	20.6667	23.9322	572.750	7.97740	115.801
27 Q6B	56.8750	32.6165	1063.84	11.5317	57.3478
28 Q7	67.8000	27.4627	754.200	12.2817	40.5055

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
26 Q6A	1.00000	60.0000	59.0000	186.000
27 Q6B	5.00000	120.000	115.000	455.000
28 Q7	30.0000	99.0000	69.0000	339.000

ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 0-40% UTILIZATION
REV#206

APR 30 '87

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COMMAND: DESC

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
29 Q8A	10	0	0.0
30 Q8B	10	0	0.0
31 Q8C	9	1	10.0
32 Q8D	9	1	10.0
33 Q9	2	8	80.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
29 Q8A	8.70000	1.49443	2.23333	0.472582	17.1774
30 Q8B	7.90000	1.37032	1.87778	0.433333	17.3458
31 Q8C	9.22222	0.833333	0.694444	0.277778	9.03614
32 Q8D	9.22222	0.833333	0.694444	0.277778	9.03614
33 Q9	7.50000	2.12132	4.50000	1.50000	28.2843

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
29 Q8A	5.00000	10.0000	5.00000	87.0000
30 Q8B	6.00000	10.0000	4.00000	79.0000
31 Q8C	8.00000	10.0000	2.00000	83.0000
32 Q8D	8.00000	10.0000	2.00000	83.0000
33 Q9	6.00000	9.00000	3.00000	15.0000



COMMAND: DESC

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
34 Q10A	9	1	10.0
35 Q10B	4	6	60.0
36 Q10C	7	3	30.0
37 Q10D	8	2	20.0
38 Q10E	10	0	0.0
39 Q10F	7	3	30.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
34 Q10A	9.55556	0.726483	0.527778	0.242161	7.60273
35 Q10B	7.75000	1.70783	2.91667	0.853913	22.0365
36 Q10C	8.71429	1.11270	1.23810	0.420560	12.7687
37 Q10D	8.50000	1.06904	1.14286	0.377964	12.5770
38 Q10E	9.20000	0.788811	0.622222	0.249444	8.57403
39 Q10F	8.57143	0.786796	0.619048	0.297381	9.17928

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
34 Q10A	8.00000	10.0000	2.00000	86.0000
35 Q10B	6.00000	10.0000	4.00000	31.0000
36 Q10C	7.00000	10.0000	3.00000	61.0000
37 Q10D	7.00000	10.0000	3.00000	68.0000
38 Q10E	8.00000	10.0000	2.00000	92.0000
39 Q10F	8.00000	10.0000	2.00000	60.0000



COMMAND: DESC

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
40 Q12A1	2	8	80.0
41 Q12A2	1	9	90.0
42 Q12A3	1	9	90.0
43 Q12A4	2	8	80.0
44 Q12B1	2	8	80.0
45 Q12B2	3	7	70.0
46 Q12B3	1	9	90.0
47 Q12B4	2	8	80.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
40 Q12A1	1.00000	0.00000	0.00000	0.00000	0.00000
41 Q12A2	1.00000	0.00000	0.00000	0.00000	0.00000
42 Q12A3	30.0000	0.00000	0.00000	0.00000	0.00000
43 Q12A4	4.00000	4.24264	18.0000	3.00000	106.066
44 Q12B1	14.0000	9.89949	98.0000	7.00000	70.7107
45 Q12B2	49.3333	61.5982	3794.33	35.5637	124.861
46 Q12B3	90.0000	0.00000	0.00000	0.00000	0.00000
47 Q12B4	14.0000	9.89949	98.0000	7.00000	70.7107

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
40 Q12A1	1.00000	1.00000	0.00000	2.00000
41 Q12A2	1.00000	1.00000	0.00000	1.00000
42 Q12A3	30.0000	30.0000	0.00000	30.0000
43 Q12A4	1.00000	7.00000	6.00000	8.00000
44 Q12B1	7.00000	21.0000	14.0000	28.0000
45 Q12B2	7.00000	120.000	113.000	148.000
46 Q12B3	90.0000	90.0000	0.00000	90.0000
47 Q12B4	7.00000	21.0000	14.0000	28.0000



COMMAND: DESC

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
48 Q13A1	3	7	70.0
49 Q13A2	3	7	70.0
50 Q13A3	1	9	90.0
51 Q13A4	2	8	80.0
52 Q13B1	5	5	50.0
53 Q13B2	6	4	40.0
54 Q13B3	1	9	90.0
55 Q13B4	4	6	60.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
48 Q13A1	4.00000	3.00000	9.00000	1.73205	75.0000
49 Q13A2	23.6667	31.5013	992.333	18.1873	133.104
50 Q13A3	30.0000	0.00000	0.00000	0.00000	0.00000
51 Q13A4	10.5000	4.94975	24.5000	3.50000	47.1405
52 Q13B1	43.6000	43.7184	1911.30	19.5515	100.272
53 Q13B2	102.000	134.648	18130.0	54.9697	132.008
54 Q13B3	90.0000	0.00000	0.00000	0.00000	0.00000
55 Q13B4	39.5000	42.8525	1836.33	21.4262	108.487

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
48 Q13A1	1.00000	7.00000	6.00000	12.0000
49 Q13A2	4.00000	60.0000	56.0000	71.0000
50 Q13A3	30.0000	30.0000	0.00000	30.0000
51 Q13A4	7.00000	14.0000	7.00000	21.0000
52 Q13B1	1.00000	90.0000	89.0000	218.000
53 Q13B2	7.00000	365.000	358.000	612.000
54 Q13B3	90.0000	90.0000	0.00000	90.0000
55 Q13B4	1.00000	90.0000	89.0000	158.000



COMMAND: DESC

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
56 Q14A1	10	0	0.0
57 Q14A2	9	1	10.0
58 Q14A3	3	7	70.0
59 Q14A4	5	5	50.0
60 Q14B1	9	1	10.0
61 Q14B2	8	2	20.0
62 Q14B3	3	7	70.0
63 Q14B4	5	5	50.0
64 Q14C1	9	1	10.0
65 Q14C2	9	1	10.0
66 Q14C3	3	7	70.0
67 Q14C4	5	5	50.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
56 Q14A1	7.70000	1.94651	3.78889	0.615540	25.2793
57 Q14A2	7.22222	2.22361	4.94444	0.741204	30.7885
58 Q14A3	5.00000	4.35890	19.0000	2.51661	87.1780
59 Q14A4	8.40000	1.14018	1.30000	0.509902	13.5735
60 Q14B1	7.00000	2.39792	5.75000	0.799305	34.2559
61 Q14B2	7.00000	2.82843	8.00000	1.00000	40.4061
62 Q14B3	5.00000	4.35890	19.0000	2.51661	87.1780
63 Q14B4	8.20000	1.09545	1.20000	0.489898	13.3591
64 Q14C1	7.11111	2.26078	5.11111	0.753592	31.7922
65 Q14C2	6.33333	3.08221	9.50000	1.02740	48.6664
66 Q14C3	5.00000	4.35890	19.0000	2.51661	87.1780
67 Q14C4	8.20000	1.09545	1.20000	0.489898	13.3591

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
56 Q14A1	3.00000	9.00000	6.00000	77.0000
57 Q14A2	3.00000	10.0000	7.00000	65.0000
58 Q14A3	2.00000	10.0000	8.00000	15.0000
59 Q14A4	7.00000	10.0000	3.00000	42.0000
60 Q14B1	3.00000	9.00000	6.00000	63.0000
61 Q14B2	1.00000	10.0000	9.00000	56.0000
62 Q14B3	2.00000	10.0000	8.00000	15.0000
63 Q14B4	7.00000	10.0000	3.00000	41.0000
64 Q14C1	3.00000	9.00000	6.00000	64.0000
65 Q14C2	1.00000	10.0000	9.00000	57.0000
66 Q14C3	2.00000	10.0000	8.00000	15.0000
67 Q14C4	7.00000	10.0000	3.00000	41.0000



COMMAND: DESC

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
68 Q15A1	6	4	40.0
69 Q15A2	4	6	60.0
70 Q15A3	1	9	90.0
71 Q15A4	2	8	80.0
72 Q15B1	8	2	20.0
73 Q15B2	8	2	20.0
74 Q15B3	2	8	80.0
75 Q15B4	4	6	60.0
76 Q15C1	7	3	30.0
77 Q15C2	7	3	30.0
78 Q15C3	4	6	60.0
79 Q15C4	5	5	50.0
80 Q15D1	9	1	10.0
81 Q15D2	7	3	30.0
82 Q15D3	2	8	80.0
83 Q15D4	4	6	60.0
84 Q15E1	7	3	30.0
85 Q15E2	6	4	40.0
86 Q15E3	2	8	80.0
87 Q15E4	5	5	50.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
68 Q15A1	8.16667	1.32916	1.76667	0.542627	16.2754
69 Q15A2	8.25000	1.70783	2.91667	0.853913	20.7009
70 Q15A3	8.00000	0.00000	0.00000	0.00000	0.00000
71 Q15A4	8.00000	0.00000	0.00000	0.00000	0.00000
72 Q15B1	7.50000	1.51186	2.28571	0.534522	20.1581
73 Q15B2	8.12500	1.24642	1.55357	0.440677	15.3406
74 Q15B3	8.00000	1.41421	2.00000	1.00000	17.6777
75 Q15B4	7.75000	2.06155	4.25000	1.03078	26.6007
76 Q15C1	7.28571	2.36039	5.57143	0.892143	32.3975
77 Q15C2	6.00000	3.41565	11.6667	1.29099	56.9275
78 Q15C3	5.50000	4.04145	16.3333	2.02073	73.4809
79 Q15C4	8.20000	0.836660	0.700000	0.374166	10.2032
80 Q15D1	8.55556	1.01379	1.02778	0.337931	11.8495
81 Q15D2	7.71429	1.60357	2.57143	0.606092	20.7870
82 Q15D3	8.50000	2.12132	4.50000	1.50000	24.9567
83 Q15D4	8.00000	1.41421	2.00000	0.707107	17.6777
84 Q15E1	8.28571	1.11270	1.23810	0.420560	13.4291
85 Q15E2	7.16667	3.18852	10.1667	1.30171	44.4910
86 Q15E3	8.50000	2.12132	4.50000	1.50000	24.9567
87 Q15E4	8.60000	1.34164	1.80000	0.600000	15.6005

the 1990s, the number of people in the world who are undernourished has declined by 100 million.

There is a growing awareness of the need to ensure that the world's food supply is sufficient to meet the needs of the growing population. The World Bank, the United Nations, and other international organizations are working to address this issue.

One of the main challenges is to increase the productivity of agriculture. This can be done by improving the quality of the land, increasing the use of fertilizers and pesticides, and adopting new technologies.

Another challenge is to ensure that the food is distributed fairly. This can be done by improving the infrastructure for transporting food from the fields to the markets, and by ensuring that the prices are fair.

Finally, it is important to ensure that the food is safe and healthy. This can be done by improving the standards for food production and distribution, and by ensuring that the food is properly stored and handled.

There are many ways in which we can improve the world's food supply. By working together, we can ensure that everyone has access to the food they need to live a healthy and productive life.

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COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
68 Q15A1	6.00000	10.0000	4.00000	49.0000
69 Q15A2	6.00000	10.0000	4.00000	33.0000
70 Q15A3	8.00000	8.00000	0.00000	8.00000
71 Q15A4	8.00000	8.00000	0.00000	16.0000
72 Q15B1	6.00000	10.0000	4.00000	60.0000
73 Q15B2	6.00000	10.0000	4.00000	65.0000
74 Q15B3	7.00000	9.00000	2.00000	16.0000
75 Q15B4	6.00000	10.0000	4.00000	31.0000
76 Q15C1	3.00000	10.0000	7.00000	51.0000
77 Q15C2	1.00000	9.00000	8.00000	42.0000
78 Q15C3	2.00000	9.00000	7.00000	22.0000
79 Q15C4	7.00000	9.00000	2.00000	41.0000
80 Q15D1	7.00000	10.0000	3.00000	77.0000
81 Q15D2	5.00000	10.0000	5.00000	54.0000
82 Q15D3	7.00000	10.0000	3.00000	17.0000
83 Q15D4	7.00000	10.0000	3.00000	32.0000
84 Q15E1	7.00000	10.0000	3.00000	58.0000
85 Q15E2	1.00000	10.0000	9.00000	43.0000
86 Q15E3	7.00000	10.0000	3.00000	17.0000
87 Q15E4	7.00000	10.0000	3.00000	43.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 0-40% UTILIZATION
REV#206

APR 30 '87 PAGE 17

COMMAND: DESC

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

10 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
88 Q16	7.80000	2.14994	4.62222	0.679869	27.5633

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
88 Q16	3.00000	10.0000	7.00000	78.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 0-40% UTILIZATION
REV#206

APR 30 '87 PAGE 18

COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 89 Q17

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	3	3	50.0	50.0	-0.847579
2.00000	1	4	16.7	66.7	0.169516
3.00000	2	6	33.3	100.0	1.18661
TOTAL	6	6	100.0	100.0	

VARIABLE: 90 Q18A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	3	3	30.0	30.0	-1.44914
2.00000	7	10	70.0	100.0	0.621059
TOTAL	10	10	100.0	100.0	

VARIABLE: 91 Q18B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	50.0	50.0	-0.707107
2.00000	1	2	50.0	100.0	0.707107
TOTAL	2	2	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 0-40% UTILIZATION
REV#206

APR 30 '87 PAGE 19

COMMAND: DESC

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
92 Q20A	10	0	0.0
93 Q20B	7	3	30.0
94 Q20C	10	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
92 Q20A	7.60000	2.01108	4.04444	0.635959	26.4616
93 Q20B	8.00000	1.41421	2.00000	0.534522	17.6777
94 Q20C	8.70000	1.15950	1.34444	0.366667	13.3276

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
92 Q20A	4.00000	9.00000	5.00000	76.0000
93 Q20B	5.00000	9.00000	4.00000	56.0000
94 Q20C	7.00000	10.0000	3.00000	87.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 0-40% UTILIZATION
REV#206

APR 30 '87 PAGE 20

COMMAND: DESC

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
95 Q20D1	7	3	30.0
96 Q20D2	10	0	0.0
97 Q20D3	8	2	20.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
95 Q20D1	0.0657143	0.0820279	0.00672857	0.0310036	124.825
96 Q20D2	0.753000	0.565863	0.320201	0.178942	75.1478
97 Q20D3	5.87500	4.35685	18.9821	1.54038	74.1592

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
95 Q20D1	0.0300000	0.250000	0.220000	0.460000
96 Q20D2	0.130000	2.00000	1.87000	7.53000
97 Q20D3	2.00000	12.0000	10.0000	47.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 0-40% UTILIZATION
REV#206

APR 30 '87 PAGE 21

COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 98 Q20E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	10	10	100.0	100.0	0.00000
TOTAL	10	10	100.0	100.0	

VARIABLE: 99 Q20F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	7	7	70.0	70.0	-0.621059
2.00000	3	10	30.0	100.0	1.44914
TOTAL	10	10	100.0	100.0	

VARIABLE: 100 Q21A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	6	6	60.0	60.0	-0.774597
2.00000	4	10	40.0	100.0	1.16190
TOTAL	10	10	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 0-40% UTILIZATION
REV#206

APR 30 '87 PAGE 22

COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 101 Q22A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	5	5	62.5	62.5	-0.724569
2.00000	3	8	37.5	100.0	1.20761
TOTAL	8	8	100.0	100.0	

VARIABLE: 102 Q22B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	5	5	62.5	62.5	-0.724569
2.00000	3	8	37.5	100.0	1.20761
TOTAL	8	8	100.0	100.0	

VARIABLE: 103 Q24A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	4	4	44.4	44.4	-1.05409
2.00000	5	9	55.6	100.0	0.843274
TOTAL	9	9	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 0-40% UTILIZATION
REV#206

APR 30 '87 PAGE 23

COMMAND: DESC

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

10 CASES (17.5%) ARE IN THIS SUBSET

7 CASES (70.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
104 Q24B	7.42857	1.81265	3.28571	0.685119	24.4011

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
104 Q24B	5.00000	9.00000	4.00000	52.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 0-40% UTILIZATION
REV#206

APR 30 '87 PAGE 24

COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 0.00000 THRU 40.0000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 105 Q26A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	8	8	80.0	80.0	-0.474342
3.00000	2	10	20.0	100.0	1.89737
TOTAL	10	10	100.0	100.0	





ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 41-89% UTILIZATION
REV#206

APR 30 '87 PAGE 1

COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 10 Q1D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	13	13	54.2	54.2	-0.900498
2.00000	11	24	45.8	100.0	1.06423
TOTAL	24	24	100.0	100.0	



COMMAND: DESC

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

24 CASES (42.1%) ARE IN THIS SUBSET

24 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
11 Q2A	9.04167	0.999094	0.998188	0.203939	11.0499
12 Q2B	8.16667	1.68540	2.84058	0.344031	20.6376
13 Q2C1	7.91667	1.58572	2.51449	0.323683	20.0301
14 Q2C2	8.08333	1.52990	2.34058	0.312289	18.9265
15 Q2C3	6.45833	1.97768	3.91123	0.403693	30.6222
16 Q2C4	7.00000	2.10589	4.43478	0.429863	30.0842
17 Q2D	7.70833	1.42887	2.04167	0.291667	18.5367
18 Q2E	7.41667	2.08341	4.34058	0.425273	28.0909
19 Q2F	7.75000	1.53934	2.36957	0.314216	19.8624
20 Q2G	7.91667	2.01983	4.07971	0.412296	25.5136

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
11 Q2A	7.00000	10.0000	3.00000	217.000
12 Q2B	4.00000	10.0000	6.00000	196.000
13 Q2C1	5.00000	10.0000	5.00000	190.000
14 Q2C2	5.00000	10.0000	5.00000	194.000
15 Q2C3	2.00000	10.0000	8.00000	155.000
16 Q2C4	2.00000	10.0000	8.00000	168.000
17 Q2D	5.00000	10.0000	5.00000	185.000
18 Q2E	3.00000	10.0000	7.00000	178.000
19 Q2F	4.00000	10.0000	6.00000	186.000
20 Q2G	2.00000	10.0000	8.00000	190.000



COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 11 Q2A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
7.00000	2	2	8.3	8.3	-2.04352
8.00000	5	7	20.8	29.2	-1.04261
9.00000	7	14	29.2	58.3	-0.0417045
10.0000	10	24	41.7	100.0	0.959203
TOTAL	24	24	100.0	100.0	

VARIABLE: 12 Q2B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	1	1	4.2	4.2	-2.47221
5.00000	2	3	8.3	12.5	-1.87888
7.00000	4	7	16.7	29.2	-0.692219
8.00000	4	11	16.7	45.8	-0.0988884
9.00000	8	19	33.3	79.2	0.494442
10.0000	5	24	20.8	100.0	1.08777
TOTAL	24	24	100.0	100.0	

VARIABLE: 13 Q2C1

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	2	2	8.3	8.3	-1.83934
6.00000	3	5	12.5	20.8	-1.20871
7.00000	4	9	16.7	37.5	-0.578078
8.00000	6	15	25.0	62.5	0.0525525
9.00000	4	19	16.7	79.2	0.683183
10.0000	5	24	20.8	100.0	1.31381
TOTAL	24	24	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 14 Q2C2

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	2	2	8.3	8.3	-2.01539
6.00000	2	4	8.3	16.7	-1.36175
7.00000	3	7	12.5	29.2	-0.708109
8.00000	7	14	29.2	58.3	-0.0544700
9.00000	5	19	20.8	79.2	0.599170
10.0000	5	24	20.8	100.0	1.25281
TOTAL	24	24	100.0	100.0	

VARIABLE: 15 Q2C3

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	2	2	8.3	8.3	-2.25432
3.00000	1	3	4.2	12.5	-1.74868
5.00000	2	5	8.3	20.8	-0.737395
6.00000	5	10	20.8	41.7	-0.231753
7.00000	7	17	29.2	70.8	0.273889
8.00000	5	22	20.8	91.7	0.779532
9.00000	1	23	4.2	95.8	1.28517
10.0000	1	24	4.2	100.0	1.79082
TOTAL	24	24	100.0	100.0	

VARIABLE: 16 Q2C4

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	4.2	4.2	-2.37429
3.00000	2	3	8.3	12.5	-1.89943
5.00000	2	5	8.3	20.8	-0.949716
6.00000	1	6	4.2	25.0	-0.474858
7.00000	7	13	29.2	54.2	0.00000
8.00000	6	19	25.0	79.2	0.474858
9.00000	3	22	12.5	91.7	0.949716
10.0000	2	24	8.3	100.0	1.42457
TOTAL	24	24	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 41-89% UTILIZATION
REV#206

APR 30 '87 PAGE 5

COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 17 Q2D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	2	2	8.3	8.3	-1.89544
6.00000	1	3	4.2	12.5	-1.19558
7.00000	9	12	37.5	50.0	-0.495730
8.00000	6	18	25.0	75.0	0.204124
9.00000	2	20	8.3	83.3	0.903978
10.0000	4	24	16.7	100.0	1.60383
TOTAL	24	24	100.0	100.0	

VARIABLE: 18 Q2E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
3.00000	2	2	8.3	8.3	-2.11993
4.00000	1	3	4.2	12.5	-1.63994
6.00000	4	7	16.7	29.2	-0.679976
7.00000	4	11	16.7	45.8	-0.199993
8.00000	6	17	25.0	70.8	0.279990
9.00000	2	19	8.3	79.2	0.759974
10.0000	5	24	20.8	100.0	1.23996
TOTAL	24	24	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 41-89% UTILIZATION
REV#206

APR 30 '87 PAGE 6

COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 19 Q2F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	1	1	4.2	4.2	-2.43611
5.00000	1	2	4.2	8.3	-1.78648
6.00000	3	5	12.5	20.8	-1.13685
7.00000	3	8	12.5	33.3	-0.487222
8.00000	9	17	37.5	70.8	0.162407
9.00000	4	21	16.7	87.5	0.812037
10.0000	3	24	12.5	100.0	1.46167
TOTAL	24	24	100.0	100.0	

VARIABLE: 20 Q2G

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	4.2	4.2	-2.92929
5.00000	2	3	8.3	12.5	-1.44402
6.00000	2	5	8.3	20.8	-0.948925
7.00000	3	8	12.5	33.3	-0.453834
8.00000	5	13	20.8	54.2	0.0412576
9.00000	5	18	20.8	75.0	0.536349
10.0000	6	24	25.0	100.0	1.03144
TOTAL	24	24	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 41-89% UTILIZATION
REV#206

APR 30 '87 PAGE 7

COMMAND: DESC

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

24 CASES (42.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
21 Q4	24	0	0.0
22 Q5	22	2	8.3
23 Q5A	23	1	4.2
24 Q5B	21	3	12.5
25 Q5C	11	13	54.2

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
21 Q4	65.4167	12.8433	164.949	2.62162	19.6330
22 Q5	6.86364	5.92248	35.0758	1.26268	86.2878
23 Q5A	48.6522	24.2798	589.510	5.06269	49.9049
24 Q5B	42.4286	22.0036	484.157	4.80157	51.8603
25 Q5C	26.3636	19.8810	395.255	5.99435	75.4107

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
21 Q4	45.0000	85.0000	40.0000	1570.00
22 Q5	1.00000	20.0000	19.0000	151.000
23 Q5A	10.0000	100.000	90.0000	1119.00
24 Q5B	6.00000	90.0000	84.0000	891.000
25 Q5C	5.00000	75.0000	70.0000	290.000



COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 23 Q5A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
10.0000	1	1	4.3	4.3	-1.59195
20.0000	3	4	13.0	17.4	-1.18008
25.0000	4	8	17.4	34.8	-0.974149
33.0000	1	9	4.3	39.1	-0.644658
47.0000	1	10	4.3	43.5	-0.0680472
50.0000	3	13	13.0	56.5	0.0555122
60.0000	1	14	4.3	60.9	0.467377
63.0000	1	15	4.3	65.2	0.590936
66.0000	1	16	4.3	69.6	0.714496
67.0000	1	17	4.3	73.9	0.755682
68.0000	1	18	4.3	78.3	0.796868
70.0000	1	19	4.3	82.6	0.879241
75.0000	3	22	13.0	95.7	1.08517
100.000	1	23	4.3	100.0	2.11484
TOTAL	23	23	100.0	100.0	

VARIABLE: 24 Q5B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	1	1	4.8	4.8	-1.65558
17.0000	1	2	4.8	9.5	-1.15566
18.0000	1	3	4.8	14.3	-1.11021
20.0000	1	4	4.8	19.0	-1.01932
25.0000	1	5	4.8	23.8	-0.792079
30.0000	1	6	4.8	28.6	-0.564843
33.0000	2	8	9.5	38.1	-0.428502
34.0000	1	9	4.8	42.9	-0.383055
36.0000	1	10	4.8	47.6	-0.292160
37.0000	1	11	4.8	52.4	-0.246713
40.0000	2	13	9.5	61.9	-0.110372
50.0000	3	16	14.3	76.2	0.344100
60.0000	1	17	4.8	81.0	0.798572
67.0000	1	18	4.8	85.7	1.11670
75.0000	1	19	4.8	90.5	1.48028
80.0000	1	20	4.8	95.2	1.70752
90.0000	1	21	4.8	100.0	2.16199
TOTAL	21	21	100.0	100.0	

VARIABLE: 25 Q5C

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	9.1	9.1	-1.07458



7.00000

1

2

9.1

18.2

-0.973977



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 41-89% UTILIZATION
REV#206

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COMMAND: FREQ

VARIABLE: 25 Q5C

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
8.00000	1	3	9.1	27.3	-0.923677
17.0000	1	4	9.1	36.4	-0.470984
20.0000	1	5	9.1	45.5	-0.320086
25.0000	1	6	9.1	54.5	-0.0685899
26.0000	1	7	9.1	63.6	-0.0182906
33.0000	1	8	9.1	72.7	0.333804
34.0000	1	9	9.1	81.8	0.384103
40.0000	1	10	9.1	90.9	0.685899
75.0000	1	11	9.1	100.0	2.44637
TOTAL	11	11	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 41-89% UTILIZATION
REV#206

APR 30 '87 PAGE 10

COMMAND: DESC

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

24 CASES (42.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
26 Q6A	23	1	4.2
27 Q6B	22	2	8.3
28 Q7	22	2	8.3

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
26 Q6A	7.43478	9.31678	86.8024	1.94268	125.313
27 Q6B	59.7727	39.9547	1596.37	8.51836	66.8443
28 Q7	132.227	111.512	12434.9	23.7744	84.3333

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
26 Q6A	1.00000	45.0000	44.0000	171.000
27 Q6B	5.00000	150.000	145.000	1315.00
28 Q7	15.0000	480.000	465.000	2909.00



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 41-89% UTILIZATION
REV#206

APR 30 '87 PAGE 11

COMMAND: DESC

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

24 CASES (42.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
29 Q8A	24	0	0.0
30 Q8B	24	0	0.0
31 Q8C	23	1	4.2
32 Q8D	23	1	4.2
33 Q9	20	4	16.7

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
29 Q8A	7.58333	1.86307	3.47101	0.380297	24.5679
30 Q8B	7.00000	1.76930	3.13043	0.361158	25.2758
31 Q8C	8.78261	1.08530	1.17787	0.226300	12.3573
32 Q8D	7.47826	1.83079	3.35178	0.381745	24.4814
33 Q9	6.30000	2.57723	6.64211	0.576286	40.9084

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
29 Q8A	3.00000	10.0000	7.00000	182.000
30 Q8B	3.00000	10.0000	7.00000	168.000
31 Q8C	5.00000	10.0000	5.00000	202.000
32 Q8D	2.00000	10.0000	8.00000	172.000
33 Q9	1.00000	10.0000	9.00000	126.000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 41-89% UTILIZATION
REV#206

APR 30 '87

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COMMAND: DESC

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

24 CASES (42.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
34 Q10A	23	1	4.2
35 Q10B	16	8	33.3
36 Q10C	24	0	0.0
37 Q10D	21	3	12.5
38 Q10E	23	1	4.2
39 Q10F	17	7	29.2

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
34 Q10A	8.26087	1.42118	2.01976	0.296337	17.2038
35 Q10B	7.75000	1.39044	1.93333	0.347611	17.9412
36 Q10C	7.95833	1.51741	2.30254	0.309740	19.0669
37 Q10D	7.14286	2.47560	6.12857	0.540219	34.6583
38 Q10E	7.95652	1.46095	2.13439	0.304630	18.3617
39 Q10F	7.88235	1.36393	1.86029	0.330801	17.3035

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
34 Q10A	3.00000	10.0000	7.00000	190.000
35 Q10B	5.00000	10.0000	5.00000	124.000
36 Q10C	3.00000	10.0000	7.00000	191.000
37 Q10D	2.00000	10.0000	8.00000	150.000
38 Q10E	4.00000	10.0000	6.00000	183.000
39 Q10F	5.00000	10.0000	5.00000	134.000



COMMAND: DESC

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
 MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

24 CASES (42.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
40 Q12A1	1	23	95.8
41 Q12A2	0	24	100.0
42 Q12A3	0	24	100.0
43 Q12A4	5	19	79.2
44 Q12B1	3	21	87.5
45 Q12B2	1	23	95.8
46 Q12B3	0	24	100.0
47 Q12B4	5	19	79.2

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
40 Q12A1	1.00000	0.00000	0.00000	0.00000	0.00000
41 Q12A2	0.00000	0.00000	0.00000	0.00000	0.00000
42 Q12A3	0.00000	0.00000	0.00000	0.00000	0.00000
43 Q12A4	3.20000	3.89872	15.2000	1.74356	121.835
44 Q12B1	1.33333	0.577350	0.333333	0.333333	43.3013
45 Q12B2	2.00000	0.00000	0.00000	0.00000	0.00000
46 Q12B3	0.00000	0.00000	0.00000	0.00000	0.00000
47 Q12B4	3.20000	3.89872	15.2000	1.74356	121.835

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
40 Q12A1	1.00000	1.00000	0.00000	1.00000
41 Q12A2	MISSING	MISSING	0.00000	0.00000
42 Q12A3	MISSING	MISSING	0.00000	0.00000
43 Q12A4	1.00000	10.0000	9.00000	16.0000
44 Q12B1	1.00000	2.00000	1.00000	4.00000
45 Q12B2	2.00000	2.00000	0.00000	2.00000
46 Q12B3	MISSING	MISSING	0.00000	0.00000
47 Q12B4	1.00000	10.0000	9.00000	16.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 41-89% UTILIZATION
REV#206

APR 30 '87 PAGE 14

COMMAND: DESC

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

24 CASES (42.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
48 Q13A1	12	12	50.0
49 Q13A2	12	12	50.0
50 Q13A3	2	22	91.7
51 Q13A4	9	15	62.5
52 Q13B1	15	9	37.5
53 Q13B2	13	11	45.8
54 Q13B3	2	22	91.7
55 Q13B4	8	16	66.7

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
48 Q13A1	6.33333	8.42435	70.9697	2.43190	133.016
49 Q13A2	4.00000	4.00000	16.0000	1.15470	100.0000
50 Q13A3	4.00000	4.24264	18.0000	3.00000	106.066
51 Q13A4	33.1111	62.0412	3849.11	20.6804	187.373
52 Q13B1	60.8667	64.9735	4221.55	16.7761	106.747
53 Q13B2	50.7692	64.8076	4200.03	17.9744	127.651
54 Q13B3	90.5000	126.572	16020.5	89.5000	139.859
55 Q13B4	62.7500	82.6589	6832.50	29.2243	131.727

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
48 Q13A1	1.00000	30.0000	29.0000	76.0000
49 Q13A2	1.00000	14.0000	13.0000	48.0000
50 Q13A3	1.00000	7.00000	6.00000	8.00000
51 Q13A4	1.00000	180.000	179.000	298.000
52 Q13B1	1.00000	180.000	179.000	913.000
53 Q13B2	1.00000	180.000	179.000	660.000
54 Q13B3	1.00000	180.000	179.000	181.000
55 Q13B4	1.00000	180.000	179.000	502.000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 41-89% UTILIZATION
REV#206

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COMMAND: DESC

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

24 CASES (42.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
56 Q14A1	24	0	0.0
57 Q14A2	21	3	12.5
58 Q14A3	5	19	79.2
59 Q14A4	15	9	37.5
60 Q14B1	20	4	16.7
61 Q14B2	19	5	20.8
62 Q14B3	3	21	87.5
63 Q14B4	13	11	45.8
64 Q14C1	16	8	33.3
65 Q14C2	16	8	33.3
66 Q14C3	2	22	91.7
67 Q14C4	11	13	54.2

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
56 Q14A1	7.08333	2.30154	5.29710	0.469801	32.4924
57 Q14A2	7.90476	1.37495	1.89048	0.300038	17.3939
58 Q14A3	7.20000	2.68328	7.20000	1.20000	37.2678
59 Q14A4	7.73333	1.22280	1.49524	0.315725	15.8121
60 Q14B1	8.40000	1.31389	1.72632	0.293795	15.6416
61 Q14B2	8.21053	1.22832	1.50877	0.281796	14.9603
62 Q14B3	8.66667	1.52753	2.33333	0.881917	17.6253
63 Q14B4	7.46154	1.50640	2.26923	0.417799	20.1888
64 Q14C1	7.75000	1.77012	3.13333	0.442531	22.8403
65 Q14C2	7.50000	1.54919	2.40000	0.387298	20.6559
66 Q14C3	6.50000	2.12132	4.50000	1.50000	32.6357
67 Q14C4	6.54545	1.86353	3.47273	0.561874	28.4705

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
56 Q14A1	2.00000	10.0000	8.00000	170.000
57 Q14A2	5.00000	10.0000	5.00000	166.000
58 Q14A3	3.00000	10.0000	7.00000	36.0000
59 Q14A4	5.00000	10.0000	5.00000	116.000
60 Q14B1	5.00000	10.0000	5.00000	168.000
61 Q14B2	5.00000	10.0000	5.00000	156.000
62 Q14B3	7.00000	10.0000	3.00000	26.0000
63 Q14B4	3.00000	9.00000	6.00000	97.0000
64 Q14C1	3.00000	10.0000	7.00000	124.000
65 Q14C2	5.00000	10.0000	5.00000	120.000
66 Q14C3	5.00000	8.00000	3.00000	13.0000
67 Q14C4	3.00000	9.00000	6.00000	72.0000



COMMAND: DESC

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
MISSING VALUE TREATMENT: VARIWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

24 CASES (42.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
68 Q15A1	18	6	25.0
69 Q15A2	14	10	41.7
70 Q15A3	1	23	95.8
71 Q15A4	10	14	58.3
72 Q15B1	18	6	25.0
73 Q15B2	18	6	25.0
74 Q15B3	3	21	87.5
75 Q15B4	10	14	58.3
76 Q15C1	18	6	25.0
77 Q15C2	13	11	45.8
78 Q15C3	2	22	91.7
79 Q15C4	10	14	58.3
80 Q15D1	23	1	4.2
81 Q15D2	21	3	12.5
82 Q15D3	3	21	87.5
83 Q15D4	13	11	45.8
84 Q15E1	18	6	25.0
85 Q15E2	13	11	45.8
86 Q15E3	3	21	87.5
87 Q15E4	9	15	62.5

VARIABLE	MEAN	STD. DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
68 Q15A1	7.44444	1.19913	1.43791	0.282637	16.1077
69 Q15A2	7.78571	1.62569	2.64286	0.434483	20.8804
70 Q15A3	10.0000	0.00000	0.00000	0.00000	0.00000
71 Q15A4	7.30000	1.25167	1.56667	0.395811	17.1461
72 Q15B1	6.88889	1.84355	3.39869	0.434530	26.7613
73 Q15B2	8.05556	1.39209	1.93791	0.328118	17.2811
74 Q15B3	8.66667	1.52753	2.33333	0.881917	17.6253
75 Q15B4	6.80000	1.22927	1.51111	0.388730	18.0775
76 Q15C1	7.83333	1.88648	3.55882	0.444649	24.0828
77 Q15C2	7.76923	1.36344	1.85897	0.378151	17.5493
78 Q15C3	7.00000	2.82843	8.00000	2.00000	40.4061
79 Q15C4	6.80000	1.54919	2.40000	0.489898	22.7823
80 Q15D1	8.08696	1.75585	3.08300	0.366120	21.7121
81 Q15D2	8.33333	1.71270	2.93333	0.373741	20.5524
82 Q15D3	9.33333	1.15470	1.33333	0.666667	12.3718
83 Q15D4	6.38462	2.06311	4.25641	0.572203	32.3137
84 Q15E1	7.77778	1.55509	2.41830	0.366538	19.9940
85 Q15E2	8.00000	1.29099	1.66667	0.358057	16.1374
86 Q15E3	8.66667	1.15470	1.33333	0.666667	13.3235
87 Q15E4	7.77778	0.971825	0.944444	0.323942	12.4949



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 41-89% UTILIZATION
REV#206 APR 30 '87

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COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
68 Q15A1	5.00000	9.00000	4.00000	134.000
69 Q15A2	5.00000	10.0000	5.00000	109.000
70 Q15A3	10.0000	10.0000	0.00000	10.0000
71 Q15A4	5.00000	9.00000	4.00000	73.0000
72 Q15B1	1.00000	9.00000	8.00000	124.000
73 Q15B2	5.00000	10.0000	5.00000	145.000
74 Q15B3	7.00000	10.0000	3.00000	26.0000
75 Q15B4	5.00000	9.00000	4.00000	68.0000
76 Q15C1	3.00000	10.0000	7.00000	141.000
77 Q15C2	5.00000	10.0000	5.00000	101.000
78 Q15C3	5.00000	9.00000	4.00000	14.0000
79 Q15C4	3.00000	9.00000	6.00000	68.0000
80 Q15D1	2.00000	10.0000	8.00000	186.000
81 Q15D2	4.00000	10.0000	6.00000	175.000
82 Q15D3	8.00000	10.0000	2.00000	28.0000
83 Q15D4	3.00000	9.00000	6.00000	83.0000
84 Q15E1	4.00000	10.0000	6.00000	140.000
85 Q15E2	5.00000	10.0000	5.00000	104.000
86 Q15E3	8.00000	10.0000	2.00000	26.0000
87 Q15E4	7.00000	10.0000	3.00000	70.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 41-89% UTILIZATION
REV#206

APR 30 '87 PAGE 18

COMMAND: DESC

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

24 CASES (42.1%) ARE IN THIS SUBSET

24 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
88 Q16	8.04167	1.68056	2.82428	0.343042	20.8981

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
88 Q16	3.00000	10.0000	7.00000	193.000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 41-89% UTILIZATION
REV#206

APR 30 '87 PAGE 19

COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 89 Q17

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	7	7	31.8	31.8	-1.21611
2.00000	11	18	50.0	81.8	0.192018
3.00000	4	22	18.2	100.0	1.60015
TOTAL	22	22	100.0	100.0	

VARIABLE: 90 Q18A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	9	9	37.5	37.5	-1.26381
2.00000	15	24	62.5	100.0	0.758288
TOTAL	24	24	100.0	100.0	

VARIABLE: 91 Q18B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	7	7	77.8	77.8	-0.503953
2.00000	2	9	22.2	100.0	1.76383
TOTAL	9	9	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 41-89% UTILIZATION
REV#206

APR 30 '87 PAGE 20

COMMAND: DESC

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

24 CASES (42.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
92 Q20A	24	0	0.0
93 Q20B	19	5	20.8
94 Q20C	24	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
92 Q20A	7.95833	1.51741	2.30254	0.309740	19.0669
93 Q20B	7.31579	2.21241	4.89474	0.507561	30.2415
94 Q20C	7.95833	1.96666	3.86775	0.401443	24.7120

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
92 Q20A	4.00000	10.0000	6.00000	191.000
93 Q20B	2.00000	10.0000	8.00000	139.000
94 Q20C	1.00000	10.0000	9.00000	191.000



COMMAND: DESC

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

24 CASES (42.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
95 Q20D1	20	4	16.7
96 Q20D2	24	0	0.0
97 Q20D3	21	3	12.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
95 Q20D1	5.20750	22.0816	487.597	4.93760	424.034
96 Q20D2	0.704583	0.599050	0.358861	0.122281	85.0219
97 Q20D3	11.7143	20.5600	422.714	4.48656	175.512

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
95 Q20D1	0.0300000	99.0000	98.9700	104.150
96 Q20D2	0.0800000	2.00000	1.92000	16.9100
97 Q20D3	1.00000	99.0000	98.0000	246.000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 41-89% UTILIZATION
REV#206

APR 30 '87 PAGE 22

COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 98 Q20E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	20	20	83.3	83.3	-0.437798
2.00000	4	24	16.7	100.0	2.18899
TOTAL	24	24	100.0	100.0	

VARIABLE: 99 Q20F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	18	18	85.7	85.7	-0.398410
2.00000	3	21	14.3	100.0	2.39046
TOTAL	21	21	100.0	100.0	

VARIABLE: 100 Q21A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	16	16	66.7	66.7	-0.692219
2.00000	8	24	33.3	100.0	1.38444
TOTAL	24	24	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 101 Q22A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	9	9	56.3	56.3	-0.853913
2.00000	7	16	43.8	100.0	1.09789
TOTAL	16	16	100.0	100.0	

VARIABLE: 102 Q22B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	14	14	58.3	58.3	-0.827360
2.00000	10	24	41.7	100.0	1.15830
TOTAL	24	24	100.0	100.0	

VARIABLE: 103 Q24A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	19	19	82.6	82.6	-0.448746
2.00000	4	23	17.4	100.0	2.13154
TOTAL	23	23	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 41-89% UTILIZATION
REV#206

APR 30 '87 PAGE 24

COMMAND: DESC

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

24 CASES (42.1%) ARE IN THIS SUBSET

23 CASES (95.8%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
104 Q24B	7.60870	1.33958	1.79447	0.279321	17.6059

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
104 Q24B	3.00000	10.0000	7.00000	175.000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 41-89% UTILIZATION
REV#206

APR 30 '87 PAGE 25

COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 41.0000 THRU 89.0000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 105 Q26A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	20	20	87.0	87.0	-0.362478
2.00000	1	21	4.3	91.3	1.30492
3.00000	2	23	8.7	100.0	2.97232
TOTAL	23	23	100.0	100.0	







ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 90-100% UTILIZATION
REV#206

APR 30 '87 PAGE 1

COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 10 Q1D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	6	6	27.3	27.3	-1.59545
2.00000	16	22	72.7	100.0	0.598293
TOTAL	22	22	100.0	100.0	



COMMAND: DESC

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

23 CASES (40.4%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
11 Q2A	23	0	0.0
12 Q2B	23	0	0.0
13 Q2C1	23	0	0.0
14 Q2C2	23	0	0.0
15 Q2C3	23	0	0.0
16 Q2C4	22	1	4.3
17 Q2D	22	1	4.3
18 Q2E	23	0	0.0
19 Q2F	22	1	4.3
20 Q2G	23	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
11 Q2A	9.00000	0.953463	0.909091	0.198811	10.5940
12 Q2B	8.43478	1.72748	2.98419	0.360205	20.4804
13 Q2C1	7.30435	2.43898	5.94862	0.508562	33.3908
14 Q2C2	7.26087	2.37826	5.65613	0.495902	32.7545
15 Q2C3	5.39130	2.18963	4.79447	0.456569	40.6140
16 Q2C4	6.81818	2.36314	5.58442	0.503822	34.6593
17 Q2D	7.54545	2.36497	5.59307	0.504213	31.3429
18 Q2E	5.43478	2.72740	7.43874	0.568703	50.1842
19 Q2F	6.90909	1.63034	2.65801	0.347590	23.5970
20 Q2G	7.52174	1.87979	3.53360	0.391963	24.9914

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
11 Q2A	7.00000	10.0000	3.00000	207.000
12 Q2B	4.00000	10.0000	6.00000	194.000
13 Q2C1	1.00000	10.0000	9.00000	168.000
14 Q2C2	1.00000	10.0000	9.00000	167.000
15 Q2C3	1.00000	9.00000	8.00000	124.000
16 Q2C4	1.00000	10.0000	9.00000	150.000
17 Q2D	1.00000	10.0000	9.00000	166.000
18 Q2E	1.00000	10.0000	9.00000	125.000
19 Q2F	2.00000	9.00000	7.00000	152.000
20 Q2G	4.00000	10.0000	6.00000	173.000

COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 11 Q2A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
7.00000	1	1	4.3	4.3	-2.09762
8.00000	7	8	30.4	34.8	-1.04881
9.00000	6	14	26.1	60.9	3.052435E-11
10.0000	9	23	39.1	100.0	1.04881
TOTAL	23	23	100.0	100.0	

VARIABLE: 12 Q2B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	1	1	4.3	4.3	-2.56720
5.00000	1	2	4.3	8.7	-1.98832
6.00000	1	3	4.3	13.0	-1.40944
7.00000	3	6	13.0	26.1	-0.830564
8.00000	3	9	13.0	39.1	-0.251686
9.00000	6	15	26.1	65.2	0.327192
10.0000	8	23	34.8	100.0	0.906069
TOTAL	23	23	100.0	100.0	

VARIABLE: 13 Q2C1

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	8.7	8.7	-2.58483
5.00000	2	4	8.7	17.4	-0.944800
6.00000	2	6	8.7	26.1	-0.534793
7.00000	2	8	8.7	34.8	-0.124785
8.00000	8	16	34.8	69.6	0.285223
9.00000	4	20	17.4	87.0	0.695230
10.0000	3	23	13.0	100.0	1.10524
TOTAL	23	23	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 14 Q2C2

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	8.7	8.7	-2.63254
5.00000	1	3	4.3	13.0	-0.950640
6.00000	3	6	13.0	26.1	-0.530164
7.00000	3	9	13.0	39.1	-0.109689
8.00000	8	17	34.8	73.9	0.310786
9.00000	3	20	13.0	87.0	0.731261
10.0000	3	23	13.0	100.0	1.15174
TOTAL	23	23	100.0	100.0	

VARIABLE: 15 Q2C3

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	8.7	8.7	-2.00550
2.00000	1	3	4.3	13.0	-1.54880
3.00000	1	4	4.3	17.4	-1.09211
4.00000	3	7	13.0	30.4	-0.635407
5.00000	4	11	17.4	47.8	-0.178708
6.00000	3	14	13.0	60.9	0.277991
7.00000	6	20	26.1	87.0	0.734689
8.00000	2	22	8.7	95.7	1.19139
9.00000	1	23	4.3	100.0	1.64809
TOTAL	23	23	100.0	100.0	

VARIABLE: 16 Q2C4

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	9.1	9.1	-2.46206
5.00000	2	4	9.1	18.2	-0.769393
6.00000	5	9	22.7	40.9	-0.346227
7.00000	3	12	13.6	54.5	0.0769393
8.00000	4	16	18.2	72.7	0.500106
9.00000	5	21	22.7	95.5	0.923272
10.0000	1	22	4.5	100.0	1.34644
TOTAL	22	22	100.0	100.0	

COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 17 Q2D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	9.1	9.1	-2.76767
6.00000	2	4	9.1	18.2	-0.653478
7.00000	2	6	9.1	27.3	-0.230639
8.00000	8	14	36.4	63.6	0.192199
9.00000	6	20	27.3	90.9	0.615038
10.0000	2	22	9.1	100.0	1.03788
TOTAL	22	22	100.0	100.0	

VARIABLE: 18 Q2E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	3	3	13.0	13.0	-1.62601
2.00000	1	4	4.3	17.4	-1.25936
3.00000	1	5	4.3	21.7	-0.892710
4.00000	4	9	17.4	39.1	-0.526062
5.00000	3	12	13.0	52.2	-0.159413
6.00000	1	13	4.3	56.5	0.207236
7.00000	4	17	17.4	73.9	0.573885
8.00000	4	21	17.4	91.3	0.940534
10.0000	2	23	8.7	100.0	1.67383
TOTAL	23	23	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 90-100% UTILIZATION
REV#206

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COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 19 Q2F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	4.5	4.5	-3.01108
5.00000	2	3	9.1	13.6	-1.17098
6.00000	5	8	22.7	36.4	-0.557608
7.00000	5	13	22.7	59.1	0.0557608
8.00000	6	19	27.3	86.4	0.669130
9.00000	3	22	13.6	100.0	1.28250
TOTAL	22	22	100.0	100.0	

VARIABLE: 20 Q2G

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	1	1	4.3	4.3	-1.87348
5.00000	4	5	17.4	21.7	-1.34150
6.00000	1	6	4.3	26.1	-0.809528
7.00000	5	11	21.7	47.8	-0.277552
8.00000	5	16	21.7	69.6	0.254423
9.00000	2	18	8.7	78.3	0.786398
10.0000	5	23	21.7	100.0	1.31837
TOTAL	23	23	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 90-100% UTILIZATION
REV#206

APR 30 '87 PAGE 7

COMMAND: DESC

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

23 CASES (40.4%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
21 Q4	23	0	0.0
22 Q5	21	2	8.7
23 Q5A	21	2	8.7
24 Q5B	19	4	17.4
25 Q5C	11	12	52.2

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
21 Q4	95.9130	4.04422	16.3557	0.843279	4.21655
22 Q5	8.66667	6.53707	42.7333	1.42651	75.4278
23 Q5A	53.9048	27.5280	757.790	6.00710	51.0678
24 Q5B	40.0000	21.3854	457.333	4.90614	53.4634
25 Q5C	18.9091	15.8963	252.691	4.79290	84.0667

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
21 Q4	90.0000	100.000	10.0000	2206.00
22 Q5	1.00000	25.0000	24.0000	182.000
23 Q5A	3.00000	100.000	97.0000	1132.00
24 Q5B	6.00000	80.0000	74.0000	760.000
25 Q5C	2.00000	50.0000	48.0000	208.000

COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 23 Q5A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
3.00000	1	1	4.8	4.8	-1.84920
20.0000	2	3	9.5	14.3	-1.23165
30.0000	1	4	4.8	19.0	-0.868380
33.0000	2	6	9.5	28.6	-0.759400
34.0000	1	7	4.8	33.3	-0.723073
40.0000	1	8	4.8	38.1	-0.505114
43.0000	1	9	4.8	42.9	-0.396134
50.0000	3	12	14.3	57.1	-0.141847
60.0000	1	13	4.8	61.9	0.221420
67.0000	1	14	4.8	66.7	0.475706
71.0000	1	15	4.8	71.4	0.621013
75.0000	2	17	9.5	81.0	0.766319
90.0000	2	19	9.5	90.5	1.31122
98.0000	1	20	4.8	95.2	1.60183
100.000	1	21	4.8	100.0	1.67449
TOTAL	21	21	100.0	100.0	

VARIABLE: 24 Q5B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	1	1	5.3	5.3	-1.58987
10.0000	2	3	10.5	15.8	-1.40283
20.0000	1	4	5.3	21.1	-0.935220
25.0000	2	6	10.5	31.6	-0.701415
27.0000	1	7	5.3	36.8	-0.607893
33.0000	2	9	10.5	47.4	-0.327327
43.0000	1	10	5.3	52.6	0.140283
47.0000	1	11	5.3	57.9	0.327327
50.0000	3	14	15.8	73.7	0.467610
55.0000	1	15	5.3	78.9	0.701415
60.0000	1	16	5.3	84.2	0.935220
66.0000	1	17	5.3	89.5	1.21579
70.0000	1	18	5.3	94.7	1.40283
80.0000	1	19	5.3	100.0	1.87044
TOTAL	19	19	100.0	100.0	

VARIABLE: 25 Q5C

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	9.1	9.1	-1.06372
5.00000	2	3	18.2	27.3	-0.874992
10.0000	2	5	18.2	45.5	-0.560452



14.0000

1

6

9.1

54.5

-0.308821

COMMAND: FREQ

VARIABLE: 25 Q5C

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
15.0000	1	7	9.1	63.6	-0.245913
23.0000	1	8	9.1	72.7	0.257351
34.0000	1	9	9.1	81.8	0.949337
40.0000	1	10	9.1	90.9	1.32678
50.0000	1	11	9.1	100.0	1.95586
TOTAL	11	11	100.0	100.0	

ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 90-100% UTILIZATION
REV#206

APR 30 '87 PAGE 10

COMMAND: DESC

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

23 CASES (40.4%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
26 Q6A	22	1	4.3
27 Q6B	21	2	8.7
28 Q7	19	4	17.4

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
26 Q6A	5.09091	5.82204	33.8961	1.24126	114.361
27 Q6B	56.0952	23.2076	538.590	5.06430	41.3717
28 Q7	77.5789	41.2099	1698.26	9.45420	53.1200

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
26 Q6A	1.00000	30.0000	29.0000	112.000
27 Q6B	24.0000	120.000	96.0000	1178.00
28 Q7	20.0000	150.000	130.000	1474.00



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 90-100% UTILIZATION
REV#206

APR 30 '87 PAGE 11

COMMAND: DESC

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

23 CASES (40.4%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
29 Q8A	22	1	4.3
30 Q8B	23	0	0.0
31 Q8C	22	1	4.3
32 Q8D	22	1	4.3
33 Q9	21	2	8.7

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
29 Q8A	7.59091	2.28158	5.20563	0.486435	30.0568
30 Q8B	5.78261	2.23518	4.99605	0.466068	38.6536
31 Q8C	8.81818	1.29601	1.67965	0.276311	14.6971
32 Q8D	7.54545	2.24090	5.02165	0.477762	29.6987
33 Q9	6.28571	2.14809	4.61429	0.468751	34.1741

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
29 Q8A	2.00000	10.0000	8.00000	167.000
30 Q8B	2.00000	9.00000	7.00000	133.000
31 Q8C	5.00000	10.0000	5.00000	194.000
32 Q8D	2.00000	10.0000	8.00000	166.000
33 Q9	1.00000	9.00000	8.00000	132.000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 90-100% UTILIZATION
REV#206 APR 30 '87

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COMMAND: DESC

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

23 CASES (40.4%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
34 Q10A	20	3	13.0
35 Q10B	16	7	30.4
36 Q10C	21	2	8.7
37 Q10D	21	2	8.7
38 Q10E	23	0	0.0
39 Q10F	22	1	4.3

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
34 Q10A	8.70000	1.17429	1.37895	0.262578	13.4975
35 Q10B	6.93750	1.87861	3.52917	0.469652	27.0790
36 Q10C	7.33333	2.43584	5.93333	0.531545	33.2160
37 Q10D	7.66667	2.05751	4.23333	0.448985	26.8370
38 Q10E	8.13043	1.42396	2.02767	0.296917	17.5140
39 Q10F	8.50000	0.912871	0.833333	0.194625	10.7397

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
34 Q10A	6.00000	10.0000	4.00000	174.000
35 Q10B	3.00000	10.0000	7.00000	111.000
36 Q10C	3.00000	10.0000	7.00000	154.000
37 Q10D	3.00000	10.0000	7.00000	161.000
38 Q10E	5.00000	10.0000	5.00000	187.000
39 Q10F	7.00000	10.0000	3.00000	187.000



COMMAND: DESC

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

23 CASES (40.4%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
40 Q12A1	3	20	87.0
41 Q12A2	5	18	78.3
42 Q12A3	3	20	87.0
43 Q12A4	4	19	82.6
44 Q12B1	6	17	73.9
45 Q12B2	7	16	69.6
46 Q12B3	3	20	87.0
47 Q12B4	4	19	82.6

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
40 Q12A1	124.333	208.445	43449.3	120.346	167.650
41 Q12A2	94.8000	156.640	24536.2	70.0517	165.232
42 Q12A3	66.3333	56.5803	3201.33	32.6667	85.2970
43 Q12A4	27.0000	48.0833	2312.00	24.0416	178.086
44 Q12B1	64.8333	147.141	21650.6	60.0702	226.953
45 Q12B2	76.0000	133.055	17703.7	50.2901	175.073
46 Q12B3	66.3333	56.5803	3201.33	32.6667	85.2970
47 Q12B4	32.7500	46.2340	2137.58	23.1170	141.173

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
40 Q12A1	1.00000	365.000	364.000	373.000
41 Q12A2	1.00000	365.000	364.000	474.000
42 Q12A3	1.00000	99.0000	98.0000	199.000
43 Q12A4	1.00000	99.0000	98.0000	108.000
44 Q12B1	1.00000	365.000	364.000	389.000
45 Q12B2	1.00000	365.000	364.000	532.000
46 Q12B3	1.00000	99.0000	98.0000	199.000
47 Q12B4	1.00000	99.0000	98.0000	131.000



COMMAND: DESC

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

23 CASES (40.4%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
48 Q13A1	11	12	52.2
49 Q13A2	15	8	34.8
50 Q13A3	4	19	82.6
51 Q13A4	9	14	60.9
52 Q13B1	13	10	43.5
53 Q13B2	17	6	26.1
54 Q13B3	5	18	78.3
55 Q13B4	8	15	65.2

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
48 Q13A1	48.9091	110.369	12181.3	33.2775	225.661
49 Q13A2	74.2000	100.854	10171.6	26.0405	135.922
50 Q13A3	80.2500	52.4428	2750.25	26.2214	65.3493
51 Q13A4	32.6667	45.3652	2058.00	15.1217	138.873
52 Q13B1	106.462	130.393	17002.3	36.1644	122.479
53 Q13B2	118.235	130.472	17022.9	31.6441	110.349
54 Q13B3	79.0000	72.3637	5236.50	32.3620	91.5996
55 Q13B4	67.1250	75.7297	5734.98	26.7745	112.819

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
48 Q13A1	2.00000	365.000	363.000	538.000
49 Q13A2	1.00000	365.000	364.000	1113.00
50 Q13A3	3.00000	120.000	117.000	321.000
51 Q13A4	1.00000	120.000	119.000	294.000
52 Q13B1	2.00000	365.000	363.000	1384.00
53 Q13B2	2.00000	365.000	363.000	2010.00
54 Q13B3	7.00000	180.000	173.000	395.000
55 Q13B4	7.00000	180.000	173.000	537.000



COMMAND: DESC

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

23 CASES (40.4%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
56 Q14A1	19	4	17.4
57 Q14A2	22	1	4.3
58 Q14A3	5	18	78.3
59 Q14A4	13	10	43.5
60 Q14B1	17	6	26.1
61 Q14B2	20	3	13.0
62 Q14B3	7	16	69.6
63 Q14B4	10	13	56.5
64 Q14C1	18	5	21.7
65 Q14C2	21	2	8.7
66 Q14C3	6	17	73.9
67 Q14C4	10	13	56.5

VARIABLE	MEAN	STD. DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
56 Q14A1	7.05263	0.970320	0.941520	0.222607	13.7583
57 Q14A2	7.13636	1.64159	2.69481	0.349987	23.0031
58 Q14A3	7.40000	0.547723	0.300000	0.244949	7.40166
59 Q14A4	7.46154	1.61325	2.60256	0.447434	21.6208
60 Q14B1	6.88235	2.23278	4.98529	0.541528	32.4421
61 Q14B2	6.75000	1.88833	3.56579	0.422243	27.9753
62 Q14B3	6.42857	2.50713	6.28571	0.947607	38.9998
63 Q14B4	8.50000	0.971825	0.944444	0.307318	11.4332
64 Q14C1	5.94444	2.09964	4.40850	0.494890	35.3211
65 Q14C2	6.00000	2.02485	4.10000	0.441858	33.7474
66 Q14C3	6.00000	2.75681	7.60000	1.12546	45.9468
67 Q14C4	8.10000	1.37032	1.87778	0.433333	16.9175

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
56 Q14A1	5.00000	9.00000	4.00000	134.000
57 Q14A2	3.00000	9.00000	6.00000	157.000
58 Q14A3	7.00000	8.00000	1.00000	37.0000
59 Q14A4	4.00000	10.0000	6.00000	97.0000
60 Q14B1	1.00000	10.0000	9.00000	117.000
61 Q14B2	2.00000	10.0000	8.00000	135.000
62 Q14B3	1.00000	9.00000	8.00000	45.0000
63 Q14B4	7.00000	10.0000	3.00000	85.0000
64 Q14C1	1.00000	9.00000	8.00000	107.000
65 Q14C2	2.00000	9.00000	7.00000	126.000
66 Q14C3	1.00000	9.00000	8.00000	36.0000
67 Q14C4	5.00000	10.0000	5.00000	81.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 90-100% UTILIZATION
REV#206

APR 30 '87

PAGE 16

COMMAND: DESC

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

23 CASES (40.4%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
68 Q15A1	14	9	39.1
69 Q15A2	12	11	47.8
70 Q15A3	3	20	87.0
71 Q15A4	7	16	69.6
72 Q15B1	16	7	30.4
73 Q15B2	18	5	21.7
74 Q15B3	5	18	78.3
75 Q15B4	9	14	60.9
76 Q15C1	14	9	39.1
77 Q15C2	12	11	47.8
78 Q15C3	2	21	91.3
79 Q15C4	8	15	65.2
80 Q15D1	20	3	13.0
81 Q15D2	23	0	0.0
82 Q15D3	5	18	78.3
83 Q15D4	7	16	69.6
84 Q15E1	17	6	26.1
85 Q15E2	15	8	34.8
86 Q15E3	4	19	82.6
87 Q15E4	11	12	52.2

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
68 Q15A1	7.14286	1.87523	3.51648	0.501176	26.2532
69 Q15A2	7.08333	1.16450	1.35606	0.336162	16.4400
70 Q15A3	7.33333	1.15470	1.33333	0.666667	15.7459
71 Q15A4	6.57143	1.51186	2.28571	0.571429	23.0065
72 Q15B1	7.25000	1.43759	2.06667	0.359398	19.8288
73 Q15B2	7.61111	1.14475	1.31046	0.269821	15.0405
74 Q15B3	7.00000	1.73205	3.00000	0.774597	24.7436
75 Q15B4	7.11111	1.53659	2.36111	0.512197	21.6083
76 Q15C1	6.92857	1.59153	2.53297	0.425354	22.9705
77 Q15C2	7.75000	0.753778	0.568182	0.217597	9.72617
78 Q15C3	7.50000	0.707107	0.500000	0.500000	9.42809
79 Q15C4	7.37500	1.18773	1.41071	0.419928	16.1049
80 Q15D1	7.40000	1.81804	3.30526	0.406526	24.5681
81 Q15D2	7.43478	1.94997	3.80237	0.406596	26.2276
82 Q15D3	4.80000	2.86356	8.20000	1.28062	59.6576
83 Q15D4	7.00000	2.94392	8.66667	1.11270	42.0560
84 Q15E1	7.41176	2.18114	4.75735	0.529003	29.4280
85 Q15E2	7.60000	1.88225	3.54286	0.485994	24.7664
86 Q15E3	7.75000	0.500000	0.250000	0.250000	6.45161
87 Q15E4	8.27273	1.00905	1.01818	0.304240	12.1973



COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
68 Q15A1	4.00000	10.0000	6.00000	100.000
69 Q15A2	5.00000	9.00000	4.00000	85.0000
70 Q15A3	6.00000	8.00000	2.00000	22.0000
71 Q15A4	4.00000	8.00000	4.00000	46.0000
72 Q15B1	4.00000	9.00000	5.00000	116.000
73 Q15B2	5.00000	9.00000	4.00000	137.000
74 Q15B3	4.00000	8.00000	4.00000	35.0000
75 Q15B4	5.00000	9.00000	4.00000	64.0000
76 Q15C1	3.00000	9.00000	6.00000	97.0000
77 Q15C2	7.00000	9.00000	2.00000	93.0000
78 Q15C3	7.00000	8.00000	1.00000	15.0000
79 Q15C4	5.00000	9.00000	4.00000	59.0000
80 Q15D1	3.00000	10.0000	7.00000	148.000
81 Q15D2	2.00000	10.0000	8.00000	171.000
82 Q15D3	1.00000	9.00000	8.00000	24.0000
83 Q15D4	1.00000	10.0000	9.00000	49.0000
84 Q15E1	2.00000	10.0000	8.00000	126.000
85 Q15E2	2.00000	10.0000	8.00000	114.000
86 Q15E3	7.00000	8.00000	1.00000	31.0000
87 Q15E4	6.00000	10.0000	4.00000	91.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 90-100% UTILIZATION
REV#206

APR 30 '87 PAGE 18

COMMAND: DESC

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

23 CASES (40.4%) ARE IN THIS SUBSET

22 CASES (95.7%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
88 Q16	8.13636	1.42413	2.02814	0.303625	17.5032

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
88 Q16	4.00000	10.0000	6.00000	179.000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 90-100% UTILIZATION
REV#206

APR 30 '87 PAGE 19

COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 89 Q17

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	7	7	31.8	31.8	-1.26277
2.00000	13	20	59.1	90.9	0.371403
3.00000	2	22	9.1	100.0	2.00558
TOTAL	22	22	100.0	100.0	

VARIABLE: 90 Q18A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	5	5	25.0	25.0	-1.68819
2.00000	15	20	75.0	100.0	0.562731
TOTAL	20	20	100.0	100.0	

VARIABLE: 91 Q18B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	50.0	50.0	-0.866025
2.00000	2	4	50.0	100.0	0.866025
TOTAL	4	4	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 90-100% UTILIZATION
REV#206

APR 30 '87 PAGE 20

COMMAND: DESC

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

23 CASES (40.4%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
92 Q20A	23	0	0.0
93 Q20B	22	1	4.3
94 Q20C	23	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
92 Q20A	7.65217	1.89757	3.60079	0.395672	24.7979
93 Q20B	8.18182	1.09702	1.20346	0.233886	13.4081
94 Q20C	8.30435	1.42812	2.03953	0.297784	17.1973

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
92 Q20A	3.00000	10.0000	7.00000	176.000
93 Q20B	6.00000	9.00000	3.00000	180.000
94 Q20C	5.00000	10.0000	5.00000	191.000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 90-100% UTILIZATION
REV#206

APR 30 '87 PAGE 21

COMMAND: DESC

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

23 CASES (40.4%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
95 Q20D1	20	3	13.0
96 Q20D2	23	0	0.0
97 Q20D3	22	1	4.3

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
95 Q20D1	5.34350	22.0848	487.739	4.93831	413.302
96 Q20D2	0.914783	1.26559	1.60172	0.263894	138.349
97 Q20D3	4.86500	3.62728	13.1571	0.773338	74.5586

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
95 Q20D1	0.0300000	99.0000	98.9700	106.870
96 Q20D2	0.120000	6.00000	5.88000	21.0400
97 Q20D3	0.0300000	12.0000	11.9700	107.030



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 90-100% UTILIZATION
REV#206

APR 30 '87 PAGE 22

COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 98 Q20E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	20	20	87.0	87.0	-0.378785
2.00000	3	23	13.0	100.0	2.52523
TOTAL	23	23	100.0	100.0	

VARIABLE: 99 Q20F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	19	19	86.4	86.4	-0.388224
2.00000	3	22	13.6	100.0	2.45875
TOTAL	22	22	100.0	100.0	

VARIABLE: 100 Q21A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	13	13	56.5	56.5	-0.857780
2.00000	10	23	43.5	100.0	1.11511
TOTAL	23	23	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 101 Q22A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	11	11	52.4	52.4	-0.930484
2.00000	10	21	47.6	100.0	1.02353
TOTAL	21	21	100.0	100.0	

VARIABLE: 102 Q22B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	15	15	71.4	71.4	-0.617213
2.00000	6	21	28.6	100.0	1.54303
TOTAL	21	21	100.0	100.0	

VARIABLE: 103 Q24A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	16	16	76.2	76.2	-0.545545
2.00000	5	21	23.8	100.0	1.74574
TOTAL	21	21	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 90-100% UTILIZATION
REV#206

APR 30 '87 PAGE 24

COMMAND: DESC

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

23 CASES (40.4%) ARE IN THIS SUBSET

22 CASES (95.7%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
104 Q24B	7.18182	1.40192	1.96537	0.298889	19.5203

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
104 Q24B	3.00000	9.00000	6.00000	158.000



COMMAND: FREQ

SELECTION ON VAR 21 Q4 = 90.0000 THRU 100.000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 105 Q26A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	14	14	66.7	66.7	-0.670696
3.00000	5	19	23.8	90.5	1.08988
4.00000	2	21	9.5	100.0	1.97017
TOTAL	21	21	100.0	100.0	







ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206

APR 30 '87 PAGE 1

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 10 Q1D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	5	5	62.5	62.5	-0.724569
2.00000	3	8	37.5	100.0	1.20761
TOTAL	8	8	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206

APR 30 '87 PAGE 2

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

8 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
11 Q2A	9.00000	1.41421	2.00000	0.500000	15.7135
12 Q2B	8.25000	2.12132	4.50000	0.750000	25.7130
13 Q2C1	8.37500	1.40789	1.98214	0.497763	16.8106
14 Q2C2	7.75000	1.48805	2.21429	0.526104	19.2006
15 Q2C3	6.50000	2.00000	4.00000	0.707107	30.7692
16 Q2C4	7.12500	1.95941	3.83929	0.692756	27.5005
17 Q2D	8.12500	1.24642	1.55357	0.440677	15.3406
18 Q2E	7.62500	1.40789	1.98214	0.497763	18.4641
19 Q2F	6.50000	1.30931	1.71429	0.462910	20.1432
20 Q2G	8.12500	1.95941	3.83929	0.692756	24.1158

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
11 Q2A	7.00000	10.0000	3.00000	72.0000
12 Q2B	4.00000	10.0000	6.00000	66.0000
13 Q2C1	6.00000	10.0000	4.00000	67.0000
14 Q2C2	5.00000	10.0000	5.00000	62.0000
15 Q2C3	2.00000	8.00000	6.00000	52.0000
16 Q2C4	3.00000	9.00000	6.00000	57.0000
17 Q2D	7.00000	10.0000	3.00000	65.0000
18 Q2E	6.00000	10.0000	4.00000	61.0000
19 Q2F	4.00000	8.00000	4.00000	52.0000
20 Q2G	5.00000	10.0000	5.00000	65.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206

APR 30 '87 PAGE 3

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 11 Q2A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
7.00000	2	2	25.0	25.0	-1.41421
8.00000	1	3	12.5	37.5	-0.707107
10.0000	5	8	62.5	100.0	0.707107
TOTAL	8	8	100.0	100.0	

VARIABLE: 12 Q2B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	1	1	12.5	12.5	-2.00347
7.00000	2	3	25.0	37.5	-0.589256
9.00000	2	5	25.0	62.5	0.353553
10.0000	3	8	37.5	100.0	0.824958
TOTAL	8	8	100.0	100.0	

VARIABLE: 13 Q2C1

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	1	1	12.5	12.5	-1.68693
7.00000	1	2	12.5	25.0	-0.976642
8.00000	2	4	25.0	50.0	-0.266357
9.00000	2	6	25.0	75.0	0.443928
10.0000	2	8	25.0	100.0	1.15421
TOTAL	8	8	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 14 Q2C2

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	12.5	12.5	-1.84806
7.00000	2	3	25.0	37.5	-0.504016
8.00000	3	6	37.5	75.0	0.168005
9.00000	1	7	12.5	87.5	0.840027
10.0000	1	8	12.5	100.0	1.51205
TOTAL	8	8	100.0	100.0	

VARIABLE: 15 Q2C3

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	12.5	12.5	-2.25000
6.00000	2	3	25.0	37.5	-0.250000
7.00000	2	5	25.0	62.5	0.250000
8.00000	3	8	37.5	100.0	0.750000
TOTAL	8	8	100.0	100.0	

VARIABLE: 16 Q2C4

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
3.00000	1	1	12.5	12.5	-2.10523
6.00000	1	2	12.5	25.0	-0.574153
7.00000	2	4	25.0	50.0	-0.0637947
8.00000	2	6	25.0	75.0	0.446563
9.00000	2	8	25.0	100.0	0.956921
TOTAL	8	8	100.0	100.0	

ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206

APR 30 '87 PAGE 5

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 17 Q2D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
7.00000	3	3	37.5	37.5	-0.902583
8.00000	3	6	37.5	75.0	-0.100287
10.0000	2	8	25.0	100.0	1.50430
TOTAL	8	8	100.0	100.0	

VARIABLE: 18 Q2E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	2	2	25.0	25.0	-1.15421
7.00000	2	4	25.0	50.0	-0.443928
8.00000	2	6	25.0	75.0	0.266357
9.00000	1	7	12.5	87.5	0.976642
10.0000	1	8	12.5	100.0	1.68693
TOTAL	8	8	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206

APR 30 '87 PAGE 6

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 19 Q2F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	1	1	12.5	12.5	-1.90941
6.00000	3	4	37.5	50.0	-0.381881
7.00000	2	6	25.0	75.0	0.381881
8.00000	2	8	25.0	100.0	1.14564
TOTAL	8	8	100.0	100.0	

VARIABLE: 20 Q2G

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	12.5	12.5	-1.59487
6.00000	1	2	12.5	25.0	-1.08451
7.00000	1	3	12.5	37.5	-0.574153
8.00000	1	4	12.5	50.0	-0.0637947
9.00000	1	5	12.5	62.5	0.446563
10.0000	3	8	37.5	100.0	0.956921
TOTAL	8	8	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206

APR 30 '87 PAGE 7

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
21 Q4	8	0	0.0
22 Q5	7	1	12.5
23 Q5A	8	0	0.0
24 Q5B	7	1	12.5
25 Q5C	3	5	62.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
21 Q4	55.6250	22.9031	524.554	8.09748	41.1742
22 Q5	4.71429	4.46148	19.9048	1.68628	94.6374
23 Q5A	63.3750	28.3042	801.125	10.0070	44.6614
24 Q5B	37.1429	20.4974	420.143	7.74728	55.1853
25 Q5C	11.0000	7.93725	63.0000	4.58258	72.1569

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
21 Q4	10.0000	90.0000	80.0000	445.000
22 Q5	1.00000	14.0000	13.0000	33.0000
23 Q5A	20.0000	100.000	80.0000	507.000
24 Q5B	10.0000	67.0000	57.0000	260.000
25 Q5C	5.00000	20.0000	15.0000	33.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206

APR 30 '87 PAGE 8

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 23 Q5A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
20.0000	1	1	12.5	12.5	-1.53246
25.0000	1	2	12.5	25.0	-1.35581
60.0000	1	3	12.5	37.5	-0.119240
67.0000	1	4	12.5	50.0	0.128073
70.0000	1	5	12.5	62.5	0.234065
75.0000	1	6	12.5	75.0	0.410717
90.0000	1	7	12.5	87.5	0.940675
100.000	1	8	12.5	100.0	1.29398
TOTAL	8	8	100.0	100.0	

VARIABLE: 24 Q5B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
10.0000	1	1	14.3	14.3	-1.32421
20.0000	1	2	14.3	28.6	-0.836344
30.0000	1	3	14.3	42.9	-0.348476
33.0000	1	4	14.3	57.1	-0.202116
40.0000	1	5	14.3	71.4	0.139391
60.0000	1	6	14.3	85.7	1.11512
67.0000	1	7	14.3	100.0	1.45663
TOTAL	7	7	100.0	100.0	

VARIABLE: 25 Q5C

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	33.3	33.3	-0.755929
8.00000	1	2	33.3	66.7	-0.377964
20.0000	1	3	33.3	100.0	1.13389
TOTAL	3	3	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206

APR 30 '87 PAGE 9

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
26 Q6A	8	0	0.0
27 Q6B	7	1	12.5
28 Q7	7	1	12.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
26 Q6A	10.7500	14.3999	207.357	5.09113	133.953
27 Q6B	71.4286	47.0562	2214.29	17.7856	65.8787
28 Q7	122.143	94.2451	8882.14	35.6213	77.1597

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
26 Q6A	1.00000	45.0000	44.0000	86.0000
27 Q6B	20.0000	150.000	130.000	500.000
28 Q7	30.0000	240.000	210.000	855.000

ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206

APR 30 '87 PAGE 10

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
29 Q8A	8	0	0.0
30 Q8B	8	0	0.0
31 Q8C	8	0	0.0
32 Q8D	8	0	0.0
33 Q9	5	3	37.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
29 Q8A	7.00000	2.56348	6.57143	0.906327	36.6211
30 Q8B	7.25000	1.16496	1.35714	0.411877	16.0685
31 Q8C	8.37500	1.59799	2.55357	0.564975	19.0805
32 Q8D	7.12500	1.72689	2.98214	0.610547	24.2370
33 Q9	5.60000	3.04959	9.30000	1.36382	54.4570

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
29 Q8A	3.00000	9.00000	6.00000	56.0000
30 Q8B	5.00000	8.00000	3.00000	58.0000
31 Q8C	5.00000	10.0000	5.00000	67.0000
32 Q8D	5.00000	10.0000	5.00000	57.0000
33 Q9	2.00000	9.00000	7.00000	28.0000

ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206 APR 30 '87 PAGE 11

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
34 Q10A	8	0	0.0
35 Q10B	5	3	37.5
36 Q10C	8	0	0.0
37 Q10D	8	0	0.0
38 Q10E	8	0	0.0
39 Q10F	7	1	12.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
34 Q10A	8.75000	0.707107	0.500000	0.250000	8.08122
35 Q10B	8.20000	1.48324	2.20000	0.663325	18.0883
36 Q10C	8.25000	1.28174	1.64286	0.453163	15.5362
37 Q10D	7.00000	2.87849	8.28571	1.01770	41.1213
38 Q10E	7.75000	1.75255	3.07143	0.619620	22.6135
39 Q10F	8.00000	1.41421	2.00000	0.534522	17.6777

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
34 Q10A	8.00000	10.0000	2.00000	70.0000
35 Q10B	6.00000	10.0000	4.00000	41.0000
36 Q10C	6.00000	10.0000	4.00000	66.0000
37 Q10D	2.00000	10.0000	8.00000	56.0000
38 Q10E	4.00000	10.0000	6.00000	62.0000
39 Q10F	5.00000	9.00000	4.00000	56.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206

APR 30 '87 PAGE 12

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
40 Q12A1	0	8	100.0
41 Q12A2	0	8	100.0
42 Q12A3	0	8	100.0
43 Q12A4	3	5	62.5
44 Q12B1	1	7	87.5
45 Q12B2	1	7	87.5
46 Q12B3	0	8	100.0
47 Q12B4	3	5	62.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
40 Q12A1	0.00000	0.00000	0.00000	0.00000	0.00000
41 Q12A2	0.00000	0.00000	0.00000	0.00000	0.00000
42 Q12A3	0.00000	0.00000	0.00000	0.00000	0.00000
43 Q12A4	4.00000	5.19615	27.0000	3.00000	129.904
44 Q12B1	2.00000	0.00000	0.00000	0.00000	0.00000
45 Q12B2	2.00000	0.00000	0.00000	0.00000	0.00000
46 Q12B3	0.00000	0.00000	0.00000	0.00000	0.00000
47 Q12B4	4.00000	5.19615	27.0000	3.00000	129.904

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
40 Q12A1	MISSING	MISSING	0.00000	0.00000
41 Q12A2	MISSING	MISSING	0.00000	0.00000
42 Q12A3	MISSING	MISSING	0.00000	0.00000
43 Q12A4	1.00000	10.0000	9.00000	12.0000
44 Q12B1	2.00000	2.00000	0.00000	2.00000
45 Q12B2	2.00000	2.00000	0.00000	2.00000
46 Q12B3	MISSING	MISSING	0.00000	0.00000
47 Q12B4	1.00000	10.0000	9.00000	12.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206

APR 30 '87 PAGE 13

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
48 Q13A1	6	2	25.0
49 Q13A2	5	3	37.5
50 Q13A3	0	8	100.0
51 Q13A4	3	5	62.5
52 Q13B1	6	2	25.0
53 Q13B2	5	3	37.5
54 Q13B3	0	8	100.0
55 Q13B4	4	4	50.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
48 Q13A1	3.33333	2.87518	8.26667	1.17379	86.2554
49 Q13A2	3.80000	2.94958	8.70000	1.31909	77.6204
50 Q13A3	0.00000	0.00000	0.00000	0.00000	0.00000
51 Q13A4	64.6667	99.8816	9976.33	57.6667	154.456
52 Q13B1	96.1667	70.2294	4932.17	28.6710	73.0288
53 Q13B2	103.400	75.9789	5772.80	33.9788	73.4806
54 Q13B3	0.00000	0.00000	0.00000	0.00000	0.00000
55 Q13B4	121.750	81.5613	6652.25	40.7807	66.9908

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
48 Q13A1	1.00000	7.00000	6.00000	20.0000
49 Q13A2	1.00000	7.00000	6.00000	19.0000
50 Q13A3	MISSING	MISSING	0.00000	0.00000
51 Q13A4	7.00000	180.000	173.000	194.000
52 Q13B1	7.00000	180.000	173.000	577.000
53 Q13B2	7.00000	180.000	173.000	517.000
54 Q13B3	MISSING	MISSING	0.00000	0.00000
55 Q13B4	7.00000	180.000	173.000	487.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206

APR 30 '87 PAGE 14

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
56 Q14A1	8	0	0.0
57 Q14A2	7	1	12.5
58 Q14A3	0	8	100.0
59 Q14A4	6	2	25.0
60 Q14B1	7	1	12.5
61 Q14B2	7	1	12.5
62 Q14B3	0	8	100.0
63 Q14B4	6	2	25.0
64 Q14C1	7	1	12.5
65 Q14C2	6	2	25.0
66 Q14C3	0	8	100.0
67 Q14C4	6	2	25.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
56 Q14A1	6.87500	2.23207	4.98214	0.789156	32.4665
57 Q14A2	7.57143	1.27242	1.61905	0.480929	16.8055
58 Q14A3	0.00000	0.00000	0.00000	0.00000	0.00000
59 Q14A4	8.00000	1.89737	3.60000	0.774597	23.7171
60 Q14B1	8.71429	0.755929	0.571429	0.285714	8.67459
61 Q14B2	8.57143	0.786796	0.619048	0.297381	9.17928
62 Q14B3	0.00000	0.00000	0.00000	0.00000	0.00000
63 Q14B4	8.33333	1.03280	1.06667	0.421637	12.3935
64 Q14C1	7.71429	2.13809	4.57143	0.808122	27.7160
65 Q14C2	7.66667	1.36626	1.86667	0.557773	17.8208
66 Q14C3	0.00000	0.00000	0.00000	0.00000	0.00000
67 Q14C4	6.50000	2.88097	8.30000	1.17615	44.3226

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
56 Q14A1	3.00000	9.00000	6.00000	55.0000
57 Q14A2	6.00000	9.00000	3.00000	53.0000
58 Q14A3	MISSING	MISSING	0.00000	0.00000
59 Q14A4	5.00000	10.0000	5.00000	48.0000
60 Q14B1	8.00000	10.0000	2.00000	61.0000
61 Q14B2	8.00000	10.0000	2.00000	60.0000
62 Q14B3	MISSING	MISSING	0.00000	0.00000
63 Q14B4	7.00000	10.0000	3.00000	50.0000
64 Q14C1	3.00000	9.00000	6.00000	54.0000
65 Q14C2	5.00000	9.00000	4.00000	46.0000
66 Q14C3	MISSING	MISSING	0.00000	0.00000
67 Q14C4	3.00000	10.0000	7.00000	39.0000

ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206

APR 30 '87 PAGE 15

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
68 Q15A1	7	1	12.5
69 Q15A2	5	3	37.5
70 Q15A3	0	8	100.0
71 Q15A4	4	4	50.0
72 Q15B1	6	2	25.0
73 Q15B2	7	1	12.5
74 Q15B3	0	8	100.0
75 Q15B4	5	3	37.5
76 Q15C1	5	3	37.5
77 Q15C2	3	5	62.5
78 Q15C3	0	8	100.0
79 Q15C4	4	4	50.0
80 Q15D1	8	0	0.0
81 Q15D2	7	1	12.5
82 Q15D3	0	8	100.0
83 Q15D4	4	4	50.0
84 Q15E1	7	1	12.5
85 Q15E2	5	3	37.5
86 Q15E3	0	8	100.0
87 Q15E4	5	3	37.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
68 Q15A1	7.28571	1.60357	2.57143	0.606092	22.0097
69 Q15A2	6.80000	1.30384	1.70000	0.583095	19.1741
70 Q15A3	0.00000	0.00000	0.00000	0.00000	0.00000
71 Q15A4	7.25000	1.70783	2.91667	0.853913	23.5562
72 Q15B1	7.50000	1.22474	1.50000	0.500000	16.3299
73 Q15B2	7.57143	1.27242	1.61905	0.480929	16.8055
74 Q15B3	0.00000	0.00000	0.00000	0.00000	0.00000
75 Q15B4	7.00000	1.41421	2.00000	0.632456	20.2031
76 Q15C1	7.00000	2.34521	5.50000	1.04881	33.5030
77 Q15C2	8.00000	1.00000	1.00000	0.577350	12.5000
78 Q15C3	0.00000	0.00000	0.00000	0.00000	0.00000
79 Q15C4	7.75000	0.957427	0.916667	0.478714	12.3539
80 Q15D1	7.25000	2.25198	5.07143	0.796196	31.0618
81 Q15D2	8.00000	1.63299	2.66667	0.617213	20.4124
82 Q15D3	0.00000	0.00000	0.00000	0.00000	0.00000
83 Q15D4	6.25000	2.75379	7.58333	1.37689	44.0606
84 Q15E1	8.42857	1.13389	1.28571	0.428571	13.4530
85 Q15E2	8.00000	0.00000	0.00000	0.00000	0.00000
86 Q15E3	0.00000	0.00000	0.00000	0.00000	0.00000
87 Q15E4	8.60000	1.34164	1.80000	0.600000	15.6005



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206

APR 30 '87 PAGE 16

COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
68 Q15A1	4.00000	9.00000	5.00000	51.0000
69 Q15A2	5.00000	8.00000	3.00000	34.0000
70 Q15A3	MISSING	MISSING	0.00000	0.00000
71 Q15A4	5.00000	9.00000	4.00000	29.0000
72 Q15B1	6.00000	9.00000	3.00000	45.0000
73 Q15B2	5.00000	9.00000	4.00000	53.0000
74 Q15B3	MISSING	MISSING	0.00000	0.00000
75 Q15B4	6.00000	9.00000	3.00000	35.0000
76 Q15C1	3.00000	9.00000	6.00000	35.0000
77 Q15C2	7.00000	9.00000	2.00000	24.0000
78 Q15C3	MISSING	MISSING	0.00000	0.00000
79 Q15C4	7.00000	9.00000	2.00000	31.0000
80 Q15D1	2.00000	9.00000	7.00000	58.0000
81 Q15D2	5.00000	10.0000	5.00000	56.0000
82 Q15D3	MISSING	MISSING	0.00000	0.00000
83 Q15D4	3.00000	9.00000	6.00000	25.0000
84 Q15E1	7.00000	10.0000	3.00000	59.0000
85 Q15E2	8.00000	8.00000	0.00000	40.0000
86 Q15E3	MISSING	MISSING	0.00000	0.00000
87 Q15E4	7.00000	10.0000	3.00000	43.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206

APR 30 '87 PAGE 17

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

8 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
88 Q16	8.00000	1.92725	3.71429	0.681385	24.0906

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
88 Q16	5.00000	10.0000	5.00000	64.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206

APR 30 '87 PAGE 18

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 89 Q17

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	14.3	14.3	-1.73205
2.00000	5	6	71.4	85.7	0.00000
3.00000	1	7	14.3	100.0	1.73205
TOTAL	7	7	100.0	100.0	

VARIABLE: 90 Q18A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	3	3	37.5	37.5	-1.20761
2.00000	5	8	62.5	100.0	0.724569
TOTAL	8	8	100.0	100.0	

VARIABLE: 91 Q18B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	2	2	100.0	100.0	0.00000
TOTAL	2	2	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206

APR 30 '87 PAGE 19

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
92 Q20A	8	0	0.0
93 Q20B	7	1	12.5
94 Q20C	8	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
92 Q20A	8.12500	1.45774	2.12500	0.515388	17.9414
93 Q20B	7.42857	1.71825	2.95238	0.649437	23.1303
94 Q20C	8.50000	1.19523	1.42857	0.422577	14.0615

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
92 Q20A	6.00000	10.0000	4.00000	65.0000
93 Q20B	5.00000	9.00000	4.00000	52.0000
94 Q20C	6.00000	10.0000	4.00000	68.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206

APR 30 '87 PAGE 20

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
95 Q20D1	7	1	12.5
96 Q20D2	8	0	0.0
97 Q20D3	7	1	12.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
95 Q20D1	0.272857	0.364907	0.133157	0.137922	133.736
96 Q20D2	0.606250	0.379320	0.143884	0.134110	62.5683
97 Q20D3	6.85714	4.14039	17.1429	1.56492	60.3807

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
95 Q20D1	0.0300000	1.00000	0.970000	1.91000
96 Q20D2	0.100000	1.00000	0.900000	4.85000
97 Q20D3	3.00000	12.0000	9.00000	48.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206

APR 30 '87 PAGE 21

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 98 Q20E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	6	6	75.0	75.0	-0.540062
2.00000	2	8	25.0	100.0	1.62019
TOTAL	8	8	100.0	100.0	

VARIABLE: 99 Q20F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	7	7	87.5	87.5	-0.353553
2.00000	1	8	12.5	100.0	2.47487
TOTAL	8	8	100.0	100.0	

VARIABLE: 100 Q21A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	4	4	50.0	50.0	-0.935414
2.00000	4	8	50.0	100.0	0.935414
TOTAL	8	8	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206

APR 30 '87 PAGE 22

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 101 Q22A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	5	5	71.4	71.4	-0.585540
2.00000	2	7	28.6	100.0	1.46385
TOTAL	7	7	100.0	100.0	

VARIABLE: 102 Q22B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	6	6	75.0	75.0	-0.540062
2.00000	2	8	25.0	100.0	1.62019
TOTAL	8	8	100.0	100.0	

VARIABLE: 103 Q24A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	7	7	100.0	100.0	0.00000
TOTAL	7	7	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206 APR 30 '87 PAGE 23

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

7 CASES (87.5%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
104 Q24B	7.85714	1.06904	1.14286	0.404061	13.6060

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
104 Q24B	7.00000	10.0000	3.00000	55.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - AEROSPACE INDUSTRY
REV#206

APR 30 '87 PAGE 24

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 3.00000 THRU 3.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 105 Q26A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	6	6	75.0	75.0	-0.526212
3.00000	1	7	12.5	87.5	1.15767
4.00000	1	8	12.5	100.0	1.99960
TOTAL	8	8	100.0	100.0	







ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - PETRO INDUSTRY
REV#206

APR 30 '87 PAGE 1

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 10 Q1D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	7	7	58.3	58.3	-0.809174
2.00000	5	12	41.7	100.0	1.13284
TOTAL	12	12	100.0	100.0	



COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

12 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
11 Q2A	8.66667	1.07309	1.15152	0.309773	12.3818
12 Q2B	8.50000	1.31426	1.72727	0.379393	15.4619
13 Q2C1	8.16667	1.58592	2.51515	0.457817	19.4195
14 Q2C2	8.25000	1.54479	2.38636	0.445941	18.7247
15 Q2C3	7.08333	1.62135	2.62879	0.468045	22.8897
16 Q2C4	7.75000	1.28806	1.65909	0.371830	16.6201
17 Q2D	7.83333	1.33712	1.78788	0.385992	17.0696
18 Q2E	5.83333	2.36771	5.60606	0.683500	40.5894
19 Q2F	7.58333	1.56428	2.44697	0.451569	20.6279
20 Q2G	8.33333	0.984732	0.969697	0.284268	11.8168

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
11 Q2A	7.00000	10.0000	3.00000	104.000
12 Q2B	6.00000	10.0000	4.00000	102.000
13 Q2C1	5.00000	10.0000	5.00000	98.0000
14 Q2C2	5.00000	10.0000	5.00000	99.0000
15 Q2C3	5.00000	10.0000	5.00000	85.0000
16 Q2C4	5.00000	10.0000	5.00000	93.0000
17 Q2D	5.00000	10.0000	5.00000	94.0000
18 Q2E	3.00000	10.0000	7.00000	70.0000
19 Q2F	5.00000	10.0000	5.00000	91.0000
20 Q2G	7.00000	10.0000	3.00000	100.000



COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 11 Q2A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
7.00000	2	2	16.7	16.7	-1.55315
8.00000	3	5	25.0	41.7	-0.621261
9.00000	4	9	33.3	75.0	0.310630
10.0000	3	12	25.0	100.0	1.24252
TOTAL	12	12	100.0	100.0	

VARIABLE: 12 Q2B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	1	1	8.3	8.3	-1.90221
7.00000	2	3	16.7	25.0	-1.14133
8.00000	2	5	16.7	41.7	-0.380443
9.00000	4	9	33.3	75.0	0.380443
10.0000	3	12	25.0	100.0	1.14133
TOTAL	12	12	100.0	100.0	

VARIABLE: 13 Q2C1

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	8.3	8.3	-1.99673
6.00000	1	2	8.3	16.7	-1.36619
7.00000	1	3	8.3	25.0	-0.735639
8.00000	4	7	33.3	58.3	-0.105091
9.00000	2	9	16.7	75.0	0.525456
10.0000	3	12	25.0	100.0	1.15600
TOTAL	12	12	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 14 Q2C2

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	8.3	8.3	-2.10385
6.00000	1	2	8.3	16.7	-1.45651
7.00000	1	3	8.3	25.0	-0.809174
8.00000	2	5	16.7	41.7	-0.161835
9.00000	5	10	41.7	83.3	0.485504
10.0000	2	12	16.7	100.0	1.13284
TOTAL	12	12	100.0	100.0	

VARIABLE: 15 Q2C3

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	3	3	25.0	25.0	-1.28493
6.00000	1	4	8.3	33.3	-0.668166
7.00000	3	7	25.0	58.3	-0.0513974
8.00000	3	10	25.0	83.3	0.565371
9.00000	1	11	8.3	91.7	1.18214
10.0000	1	12	8.3	100.0	1.79891
TOTAL	12	12	100.0	100.0	

VARIABLE: 16 Q2C4

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	8.3	8.3	-2.13500
7.00000	4	5	33.3	41.7	-0.582272
8.00000	4	9	33.3	75.0	0.194091
9.00000	2	11	16.7	91.7	0.970454
10.0000	1	12	8.3	100.0	1.74682
TOTAL	12	12	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - PETRO INDUSTRY
REV#206

APR 30 '87 PAGE 5

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 17 Q2D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	8.3	8.3	-2.11899
7.00000	4	5	33.3	41.7	-0.623232
8.00000	3	8	25.0	66.7	0.124646
9.00000	3	11	25.0	91.7	0.872525
10.0000	1	12	8.3	100.0	1.62040
TOTAL	12	12	100.0	100.0	

VARIABLE: 18 Q2E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
3.00000	2	2	16.7	16.7	-1.19665
4.00000	3	5	25.0	41.7	-0.774306
5.00000	1	6	8.3	50.0	-0.351957
6.00000	1	7	8.3	58.3	0.0703914
7.00000	2	9	16.7	75.0	0.492740
8.00000	1	10	8.3	83.3	0.915089
9.00000	1	11	8.3	91.7	1.33744
10.0000	1	12	8.3	100.0	1.75979
TOTAL	12	12	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 19 Q2F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	8.3	8.3	-1.65145
6.00000	3	4	25.0	33.3	-1.01218
7.00000	1	5	8.3	41.7	-0.372909
8.00000	3	8	25.0	66.7	0.266363
9.00000	3	11	25.0	91.7	0.905635
10.0000	1	12	8.3	100.0	1.54491
TOTAL	12	12	100.0	100.0	

VARIABLE: 20 Q2G

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
7.00000	2	2	16.7	16.7	-1.35401
8.00000	6	8	50.0	66.7	-0.338502
9.00000	2	10	16.7	83.3	0.677003
10.0000	2	12	16.7	100.0	1.69251
TOTAL	12	12	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - PETRO INDUSTRY
REV#206 APR 30 '87

PAGE 7

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
21 Q4	12	0	0.0
22 Q5	11	1	8.3

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
21 Q4	69.4167	24.9088	620.447	7.19054	35.8830
22 Q5	9.54545	9.00404	81.0727	2.71482	94.3280

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
21 Q4	20.0000	100.000	80.0000	833.000
22 Q5	1.00000	28.0000	27.0000	105.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - PETRO INDUSTRY
REV#206

APR 30 '87 PAGE 8

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

10 CASES (83.3%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
23 Q5A	46.2000	32.8119	1076.62	10.3760	71.0215

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
23 Q5A	10.0000	100.000	90.0000	462.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - PETRO INDUSTRY
REV#206

APR 30 '87 PAGE 9

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

10 CASES (83.3%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
24 Q5B	54.3000	33.4167	1116.68	10.5673	61.5409

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
24 Q5B	10.0000	100.000	90.0000	543.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - PETRO INDUSTRY
REV#206

APR 30 '87 PAGE 10

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

4 CASES (33.3%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
25 Q5C	23.7500	15.7771	248.917	7.88855	66.4299

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
25 Q5C	5.00000	40.0000	35.0000	95.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - PETRO INDUSTRY
REV#206

APR 30 '87 PAGE 11

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 23 Q5A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
10.0000	2	2	20.0	20.0	-1.10326
20.0000	2	4	20.0	40.0	-0.798490
40.0000	1	5	10.0	50.0	-0.188956
47.0000	1	6	10.0	60.0	0.0243814
50.0000	1	7	10.0	70.0	0.115812
75.0000	1	8	10.0	80.0	0.877730
90.0000	1	9	10.0	90.0	1.33488
100.000	1	10	10.0	100.0	1.63965
TOTAL	10	10	100.0	100.0	

VARIABLE: 24 Q5B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
10.0000	1	1	10.0	10.0	-1.32568
17.0000	1	2	10.0	20.0	-1.11621
25.0000	1	3	10.0	30.0	-0.876806
36.0000	1	4	10.0	40.0	-0.547630
40.0000	1	5	10.0	50.0	-0.427929
55.0000	1	6	10.0	60.0	0.0209476
80.0000	1	7	10.0	70.0	0.769076
90.0000	2	9	20.0	90.0	1.06833
100.000	1	10	10.0	100.0	1.36758
TOTAL	10	10	100.0	100.0	

VARIABLE: 25 Q5C

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	25.0	25.0	-1.18843
17.0000	1	2	25.0	50.0	-0.427835
33.0000	1	3	25.0	75.0	0.586293
40.0000	1	4	25.0	100.0	1.02997
TOTAL	4	4	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - PETRO INDUSTRY
REV#206

APR 30 '87

PAGE 12

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
26 Q6A	12	0	0.0
27 Q6B	12	0	0.0
28 Q7	11	1	8.3

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
26 Q6A	6.75000	4.30908	18.5682	1.24392	63.8382
27 Q6B	61.6667	34.5315	1192.42	9.96838	55.9970
28 Q7	126.727	131.795	17369.8	39.7376	103.999

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
26 Q6A	1.00000	15.0000	14.0000	81.0000
27 Q6B	5.00000	120.000	115.000	740.000
28 Q7	20.0000	480.000	460.000	1394.00



COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
29 Q8A	12	0	0.0
30 Q8B	12	0	0.0
31 Q8C	12	0	0.0
32 Q8D	12	0	0.0
33 Q9	11	1	8.3

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
29 Q8A	7.66667	1.82574	3.33333	0.527046	23.8140
30 Q8B	6.33333	2.22928	4.96970	0.643538	35.1992
31 Q8C	8.16667	1.26730	1.60606	0.365839	15.5180
32 Q8D	7.58333	2.10878	4.44697	0.608753	27.8081
33 Q9	6.09091	2.54773	6.49091	0.768168	41.8283

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
29 Q8A	5.00000	10.0000	5.00000	92.0000
30 Q8B	2.00000	9.00000	7.00000	76.0000
31 Q8C	5.00000	10.0000	5.00000	98.0000
32 Q8D	2.00000	10.0000	8.00000	91.0000
33 Q9	1.00000	10.0000	9.00000	67.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - PETRO INDUSTRY
REV#206

APR 30 '87 PAGE 14

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
34 Q10A	12	0	0.0
35 Q10B	10	2	16.7
36 Q10C	11	1	8.3
37 Q10D	11	1	8.3
38 Q10E	12	0	0.0
39 Q10F	11	1	8.3

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
34 Q10A	8.50000	1.08711	1.18182	0.313823	12.7896
35 Q10B	7.20000	1.39841	1.95556	0.442217	19.4224
36 Q10C	7.09091	2.25630	5.09091	0.680301	31.8197
37 Q10D	7.27273	1.95402	3.81818	0.589158	26.8677
38 Q10E	7.66667	1.55700	2.42424	0.449467	20.3087
39 Q10F	7.90909	1.04447	1.09091	0.314918	13.2059

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
34 Q10A	7.00000	10.0000	3.00000	102.000
35 Q10B	5.00000	10.0000	5.00000	72.0000
36 Q10C	3.00000	10.0000	7.00000	78.0000
37 Q10D	3.00000	10.0000	7.00000	80.0000
38 Q10E	5.00000	10.0000	5.00000	92.0000
39 Q10F	7.00000	10.0000	3.00000	87.0000



COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
40 Q12A1	1	11	91.7
41 Q12A2	0	12	100.0
42 Q12A3	0	12	100.0
43 Q12A4	1	11	91.7
44 Q12B1	2	10	83.3
45 Q12B2	1	11	91.7
46 Q12B3	0	12	100.0
47 Q12B4	1	11	91.7

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
40 Q12A1	1.00000	0.00000	0.00000	0.00000	0.00000
41 Q12A2	0.00000	0.00000	0.00000	0.00000	0.00000
42 Q12A3	0.00000	0.00000	0.00000	0.00000	0.00000
43 Q12A4	1.00000	0.00000	0.00000	0.00000	0.00000
44 Q12B1	1.00000	0.00000	0.00000	0.00000	0.00000
45 Q12B2	1.00000	0.00000	0.00000	0.00000	0.00000
46 Q12B3	0.00000	0.00000	0.00000	0.00000	0.00000
47 Q12B4	1.00000	0.00000	0.00000	0.00000	0.00000

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
40 Q12A1	1.00000	1.00000	0.00000	1.00000
41 Q12A2	MISSING	MISSING	0.00000	0.00000
42 Q12A3	MISSING	MISSING	0.00000	0.00000
43 Q12A4	1.00000	1.00000	0.00000	1.00000
44 Q12B1	1.00000	1.00000	0.00000	2.00000
45 Q12B2	1.00000	1.00000	0.00000	1.00000
46 Q12B3	MISSING	MISSING	0.00000	0.00000
47 Q12B4	1.00000	1.00000	0.00000	1.00000

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
48 Q13A1	6	6	50.0
49 Q13A2	6	6	50.0
50 Q13A3	0	12	100.0
51 Q13A4	7	5	41.7
52 Q13B1	6	6	50.0
53 Q13B2	6	6	50.0
54 Q13B3	0	12	100.0
55 Q13B4	4	8	66.7

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
48 Q13A1	11.3333	10.7269	115.067	4.37924	94.6492
49 Q13A2	4.66667	5.08593	25.8667	2.07632	108.984
50 Q13A3	0.00000	0.00000	0.00000	0.00000	0.00000
51 Q13A4	19.0000	32.9949	1088.67	12.4709	173.658
52 Q13B1	52.5000	59.6012	3552.30	24.3321	113.526
53 Q13B2	38.0000	36.8402	1357.20	15.0399	96.9479
54 Q13B3	0.00000	0.00000	0.00000	0.00000	0.00000
55 Q13B4	4.25000	3.20156	10.2500	1.60078	75.3309

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
48 Q13A1	1.00000	30.0000	29.0000	68.0000
49 Q13A2	1.00000	14.0000	13.0000	28.0000
50 Q13A3	MISSING	MISSING	0.00000	0.00000
51 Q13A4	1.00000	90.0000	89.0000	133.000
52 Q13B1	1.00000	150.000	149.000	315.000
53 Q13B2	1.00000	90.0000	89.0000	228.000
54 Q13B3	MISSING	MISSING	0.00000	0.00000
55 Q13B4	1.00000	7.00000	6.00000	17.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - PETRO INDUSTRY
REV#206

APR 30 '87 PAGE 17

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
56 Q14A1	11	1	8.3
57 Q14A2	11	1	8.3
58 Q14A3	2	10	83.3
59 Q14A4	8	4	33.3
60 Q14B1	11	1	8.3
61 Q14B2	10	2	16.7
62 Q14B3	1	11	91.7
63 Q14B4	7	5	41.7
64 Q14C1	10	2	16.7
65 Q14C2	10	2	16.7
66 Q14C3	1	11	91.7
67 Q14C4	7	5	41.7

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
56 Q14A1	7.00000	2.19089	4.80000	0.660578	31.2984
57 Q14A2	7.72727	1.42063	2.01818	0.428335	18.3846
58 Q14A3	9.00000	1.41421	2.00000	1.00000	15.7135
59 Q14A4	7.75000	0.886405	0.785714	0.313392	11.4375
60 Q14B1	7.81818	1.40130	1.96364	0.422507	17.9236
61 Q14B2	7.50000	1.35401	1.83333	0.428174	18.0534
62 Q14B3	7.00000	0.00000	0.00000	0.00000	0.00000
63 Q14B4	7.71429	0.755929	0.571429	0.285714	9.79908
64 Q14C1	6.60000	1.95505	3.82222	0.618241	29.6220
65 Q14C2	6.90000	1.59513	2.54444	0.504425	23.1178
66 Q14C3	5.00000	0.00000	0.00000	0.00000	0.00000
67 Q14C4	7.42857	0.786796	0.619048	0.297381	10.5915

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
56 Q14A1	2.00000	10.0000	8.00000	77.0000
57 Q14A2	5.00000	10.0000	5.00000	85.0000
58 Q14A3	8.00000	10.0000	2.00000	18.0000
59 Q14A4	7.00000	9.00000	2.00000	62.0000
60 Q14B1	5.00000	10.0000	5.00000	86.0000
61 Q14B2	5.00000	9.00000	4.00000	75.0000
62 Q14B3	7.00000	7.00000	0.00000	7.00000
63 Q14B4	7.00000	9.00000	2.00000	54.0000
64 Q14C1	4.00000	10.0000	6.00000	66.0000
65 Q14C2	5.00000	9.00000	4.00000	69.0000
66 Q14C3	5.00000	5.00000	0.00000	5.00000
67 Q14C4	6.00000	8.00000	2.00000	52.0000



COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
68 Q15A1	8	4	33.3
69 Q15A2	5	7	58.3
70 Q15A3	0	12	100.0
71 Q15A4	4	8	66.7
72 Q15B1	8	4	33.3
73 Q15B2	8	4	33.3
74 Q15B3	1	11	91.7
75 Q15B4	6	6	50.0
76 Q15C1	10	2	16.7
77 Q15C2	8	4	33.3
78 Q15C3	0	12	100.0
79 Q15C4	7	5	41.7
80 Q15D1	12	0	0.0
81 Q15D2	10	2	16.7
82 Q15D3	2	10	83.3
83 Q15D4	6	6	50.0
84 Q15E1	11	1	8.3
85 Q15E2	7	5	41.7
86 Q15E3	2	10	83.3
87 Q15E4	6	6	50.0

VARIABLE	MEAN	STD. DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
68 Q15A1	7.37500	1.06066	1.12500	0.375000	14.3818
69 Q15A2	7.60000	1.81659	3.30000	0.812404	23.9025
70 Q15A3	0.00000	0.00000	0.00000	0.00000	0.00000
71 Q15A4	6.75000	0.957427	0.916667	0.478714	14.1841
72 Q15B1	6.50000	1.19523	1.42857	0.422577	18.3881
73 Q15B2	7.37500	1.59799	2.55357	0.564975	21.6677
74 Q15B3	10.0000	0.00000	0.00000	0.00000	0.00000
75 Q15B4	6.50000	1.04881	1.10000	0.428174	16.1355
76 Q15C1	7.00000	1.56347	2.44444	0.494413	22.3353
77 Q15C2	7.25000	1.48805	2.21429	0.526104	20.5248
78 Q15C3	0.00000	0.00000	0.00000	0.00000	0.00000
79 Q15C4	6.85714	1.21499	1.47619	0.459221	17.7185
80 Q15D1	7.66667	1.23091	1.51515	0.355335	16.0554
81 Q15D2	7.20000	1.75119	3.06667	0.553775	24.3221
82 Q15D3	7.50000	3.53553	12.5000	2.50000	47.1405
83 Q15D4	6.83333	1.47196	2.16667	0.600925	21.5409
84 Q15E1	7.63636	1.02691	1.05455	0.309625	13.4476
85 Q15E2	7.85714	1.57359	2.47619	0.594762	20.0275
86 Q15E3	9.00000	1.41421	2.00000	1.00000	15.7135
87 Q15E4	7.66667	0.516398	0.266667	0.210819	6.73562



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - PETRO INDUSTRY
REV#206

APR 30 '87 PAGE 19

COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
68 Q15A1	6.00000	9.00000	3.00000	59.0000
69 Q15A2	6.00000	10.0000	4.00000	38.0000
70 Q15A3	MISSING	MISSING	0.00000	0.00000
71 Q15A4	6.00000	8.00000	2.00000	27.0000
72 Q15B1	5.00000	8.00000	3.00000	52.0000
73 Q15B2	5.00000	10.0000	5.00000	59.0000
74 Q15B3	10.0000	10.0000	0.00000	10.0000
75 Q15B4	5.00000	8.00000	3.00000	39.0000
76 Q15C1	5.00000	10.0000	5.00000	70.0000
77 Q15C2	5.00000	10.0000	5.00000	58.0000
78 Q15C3	MISSING	MISSING	0.00000	0.00000
79 Q15C4	5.00000	9.00000	4.00000	48.0000
80 Q15D1	5.00000	10.0000	5.00000	92.0000
81 Q15D2	4.00000	10.0000	6.00000	72.0000
82 Q15D3	5.00000	10.0000	5.00000	15.0000
83 Q15D4	4.00000	8.00000	4.00000	41.0000
84 Q15E1	6.00000	10.0000	4.00000	84.0000
85 Q15E2	5.00000	10.0000	5.00000	55.0000
86 Q15E3	8.00000	10.0000	2.00000	18.0000
87 Q15E4	7.00000	8.00000	1.00000	46.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - PETRO INDUSTRY
REV#206

APR 30 '87 PAGE 20

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

11 CASES (91.7%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
88 Q16	8.36364	1.20605	1.45455	0.363636	14.4201

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
88 Q16	6.00000	10.0000	4.00000	92.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - PETRO INDUSTRY
REV#206

APR 30 '87 PAGE 21

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 89 Q17

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	4	4	36.4	36.4	-1.09370
2.00000	4	8	36.4	72.7	0.109370
3.00000	3	11	27.3	100.0	1.31244
TOTAL	11	11	100.0	100.0	

VARIABLE: 90 Q18A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	4	4	36.4	36.4	-1.26131
2.00000	7	11	63.6	100.0	0.720750
TOTAL	11	11	100.0	100.0	

VARIABLE: 91 Q18B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	3	3	75.0	75.0	-0.500000
2.00000	1	4	25.0	100.0	1.50000
TOTAL	4	4	100.0	100.0	



COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
92 Q20A	12	0	0.0
93 Q20B	10	2	16.7
94 Q20C	12	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
92 Q20A	7.33333	2.05971	4.24242	0.594588	28.0870
93 Q20B	7.50000	2.46080	6.05556	0.778175	32.8107
94 Q20C	7.08333	2.46644	6.08333	0.712000	34.8203

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
92 Q20A	4.00000	10.0000	6.00000	88.0000
93 Q20B	2.00000	10.0000	8.00000	75.0000
94 Q20C	1.00000	10.0000	9.00000	85.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - PETRO INDUSTRY
REV#206

APR 30 '87 PAGE 23

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
95 Q20D1	8	4	33.3
96 Q20D2	12	0	0.0
97 Q20D3	10	2	16.7

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
95 Q20D1	12.4563	34.9691	1222.84	12.3634	280.735
96 Q20D2	0.810833	0.661149	0.437117	0.190857	81.5394
97 Q20D3	16.3000	29.4092	864.900	9.30000	180.424

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
95 Q20D1	0.0300000	99.0000	98.9700	99.6500
96 Q20D2	0.0800000	2.00000	1.92000	9.73000
97 Q20D3	1.00000	99.0000	98.0000	163.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - PETRO INDUSTRY
REV#206

APR 30 '87 PAGE 24

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 98 Q20E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	10	10	83.3	83.3	-0.428174
2.00000	2	12	16.7	100.0	2.14087
TOTAL	12	12	100.0	100.0	

VARIABLE: 99 Q20F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	10	10	83.3	83.3	-0.428174
2.00000	2	12	16.7	100.0	2.14087
TOTAL	12	12	100.0	100.0	

VARIABLE: 100 Q21A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	8	8	66.7	66.7	-0.677003
2.00000	4	12	33.3	100.0	1.35401
TOTAL	12	12	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 101 Q22A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	5	5	50.0	50.0	-0.948683
2.00000	5	10	50.0	100.0	0.948683
TOTAL	10	10	100.0	100.0	

VARIABLE: 102 Q22B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	6	6	54.5	54.5	-0.870388
2.00000	5	11	45.5	100.0	1.04447
TOTAL	11	11	100.0	100.0	

VARIABLE: 103 Q24A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	9	9	81.8	81.8	-0.449467
2.00000	2	11	18.2	100.0	2.02260
TOTAL	11	11	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - PETRO INDUSTRY
REV#206

APR 30 '87 PAGE 26

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

11 CASES (91.7%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
104 Q24B	7.54545	1.29334	1.67273	0.389957	17.1406

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
104 Q24B	5.00000	9.00000	4.00000	83.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - PETRO INDUSTRY
REV#206

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COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 1.00000 THRU 1.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 105 Q26A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	8	8	72.7	72.7	-0.554189
2.00000	1	9	9.1	81.8	0.665027
3.00000	2	11	18.2	100.0	1.88424
TOTAL	11	11	100.0	100.0	







ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206 APR 30 '87 PAGE 1

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 10 Q1D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	12.5	12.5	-2.47487
2.00000	7	8	87.5	100.0	0.353553
TOTAL	8	8	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206 APR 30 '87 PAGE 2

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
11 Q2A	8	0	0.0
12 Q2B	8	0	0.0
13 Q2C1	8	0	0.0
14 Q2C2	8	0	0.0
15 Q2C3	8	0	0.0
16 Q2C4	7	1	12.5
17 Q2D	8	0	0.0
18 Q2E	8	0	0.0
19 Q2F	8	0	0.0
20 Q2G	8	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
11 Q2A	8.50000	0.925820	0.857143	0.327327	10.8920
12 Q2B	8.00000	2.00000	4.00000	0.707107	25.0000
13 Q2C1	7.62500	1.30247	1.69643	0.460493	17.0816
14 Q2C2	7.37500	1.50594	2.26786	0.532430	20.4195
15 Q2C3	6.50000	1.19523	1.42857	0.422577	18.3881
16 Q2C4	7.71429	0.487950	0.238095	0.184428	6.32528
17 Q2D	8.00000	1.30931	1.71429	0.462910	16.3663
18 Q2E	8.37500	1.50594	2.26786	0.532430	17.9814
19 Q2F	7.62500	1.30247	1.69643	0.460493	17.0816
20 Q2G	7.75000	1.75255	3.07143	0.619620	22.6135

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
11 Q2A	7.00000	10.0000	3.00000	68.0000
12 Q2B	4.00000	10.0000	6.00000	64.0000
13 Q2C1	5.00000	9.00000	4.00000	61.0000
14 Q2C2	6.00000	10.0000	4.00000	59.0000
15 Q2C3	4.00000	8.00000	4.00000	52.0000
16 Q2C4	7.00000	8.00000	1.00000	54.0000
17 Q2D	6.00000	10.0000	4.00000	64.0000
18 Q2E	6.00000	10.0000	4.00000	67.0000
19 Q2F	6.00000	10.0000	4.00000	61.0000
20 Q2G	5.00000	10.0000	5.00000	62.0000



COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 11 Q2A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
7.00000	1	1	12.5	12.5	-1.62019
8.00000	3	4	37.5	50.0	-0.540062
9.00000	3	7	37.5	87.5	0.540062
10.0000	1	8	12.5	100.0	1.62019
TOTAL	8	8	100.0	100.0	

VARIABLE: 12 Q2B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	1	1	12.5	12.5	-2.00000
7.00000	2	3	25.0	37.5	-0.500000
8.00000	1	4	12.5	50.0	7.275958E-12
9.00000	2	6	25.0	75.0	0.500000
10.0000	2	8	25.0	100.0	1.00000
TOTAL	8	8	100.0	100.0	

VARIABLE: 13 Q2C1

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	12.5	12.5	-2.01540
7.00000	2	3	25.0	37.5	-0.479857
8.00000	3	6	37.5	75.0	0.287914
9.00000	2	8	25.0	100.0	1.05569
TOTAL	8	8	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206 APR 30 '87 PAGE 4

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 14 Q2C2

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	3	3	37.5	37.5	-0.913051
7.00000	2	5	25.0	62.5	-0.249014
8.00000	1	6	12.5	75.0	0.415023
9.00000	1	7	12.5	87.5	1.07906
10.0000	1	8	12.5	100.0	1.74310
TOTAL	8	8	100.0	100.0	

VARIABLE: 15 Q2C3

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	1	1	12.5	12.5	-2.09165
6.00000	2	3	25.0	37.5	-0.418330
7.00000	4	7	50.0	87.5	0.418330
8.00000	1	8	12.5	100.0	1.25499
TOTAL	8	8	100.0	100.0	

VARIABLE: 16 Q2C4

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
7.00000	2	2	28.6	28.6	-1.46385
8.00000	5	7	71.4	100.0	0.585540
TOTAL	7	7	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206

APR 30 '87 PAGE 5

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 17 Q2D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	1	1	12.5	12.5	-1.52753
7.00000	2	3	25.0	37.5	-0.763763
8.00000	2	5	25.0	62.5	0.00000
9.00000	2	7	25.0	87.5	0.763763
10.0000	1	8	12.5	100.0	1.52753
TOTAL	8	8	100.0	100.0	

VARIABLE: 18 Q2E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	1	1	12.5	12.5	-1.57709
7.00000	1	2	12.5	25.0	-0.913051
8.00000	3	5	37.5	62.5	-0.249014
10.0000	3	8	37.5	100.0	1.07906
TOTAL	8	8	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206

APR 30 '87 PAGE 6

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 19 Q2F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
6.00000	2	2	25.0	25.0	-1.24763
7.00000	1	3	12.5	37.5	-0.479857
8.00000	4	7	50.0	87.5	0.287914
10.0000	1	8	12.5	100.0	1.82346
TOTAL	8	8	100.0	100.0	

VARIABLE: 20 Q2G

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	12.5	12.5	-1.56914
6.00000	1	2	12.5	25.0	-0.998545
7.00000	2	4	25.0	50.0	-0.427948
9.00000	3	7	37.5	87.5	0.713247
10.0000	1	8	12.5	100.0	1.28384
TOTAL	8	8	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206 APR 30 '87 PAGE 7

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
21 Q4	8	0	0.0
22 Q5	7	1	12.5
23 Q5A	7	1	12.5
24 Q5B	7	1	12.5
25 Q5C	2	6	75.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
21 Q4	73.7500	21.5058	462.500	7.60345	29.1604
22 Q5	9.00000	6.13732	37.6667	2.31969	68.1924
23 Q5A	44.1429	17.9854	323.476	6.79786	40.7437
24 Q5B	53.4286	19.1386	366.286	7.23371	35.8209
25 Q5C	8.50000	2.12132	4.50000	1.50000	24.9567

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
21 Q4	40.0000	100.000	60.0000	590.000
22 Q5	3.00000	19.0000	16.0000	63.0000
23 Q5A	20.0000	75.0000	55.0000	309.000
24 Q5B	18.0000	80.0000	62.0000	374.000
25 Q5C	7.00000	10.0000	3.00000	17.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206

APR 30 '87 PAGE 8

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 23 Q5A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
20.0000	1	1	14.3	14.3	-1.34236
30.0000	1	2	14.3	28.6	-0.786350
34.0000	1	3	14.3	42.9	-0.563948
50.0000	3	6	42.9	85.7	0.325660
75.0000	1	7	14.3	100.0	1.71567
TOTAL	7	7	100.0	100.0	

VARIABLE: 24 Q5B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
18.0000	1	1	14.3	14.3	-1.85116
50.0000	3	4	42.9	57.1	-0.179144
60.0000	1	5	14.3	71.4	0.343360
66.0000	1	6	14.3	85.7	0.656863
80.0000	1	7	14.3	100.0	1.38837
TOTAL	7	7	100.0	100.0	

VARIABLE: 25 Q5C

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
7.00000	1	1	50.0	50.0	-0.707107
10.0000	1	2	50.0	100.0	0.707107
TOTAL	2	2	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206 APR 30 '87 PAGE 9

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
26 Q6A	7	1	12.5
27 Q6B	7	1	12.5
28 Q7	6	2	25.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
26 Q6A	5.57143	4.42934	19.6190	1.67413	79.5010
27 Q6B	62.8571	34.0168	1157.14	12.8571	54.1176
28 Q7	145.000	79.1833	6270.00	32.3265	54.6092

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
26 Q6A	1.00000	15.0000	14.0000	39.0000
27 Q6B	20.0000	120.000	100.000	440.000
28 Q7	60.0000	240.000	180.000	870.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206 APR 30 '87 PAGE 10

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
29 Q8A	8	0	0.0
30 Q8B	8	0	0.0
31 Q8C	7	1	12.5
32 Q8D	7	1	12.5
33 Q9	6	2	25.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
29 Q8A	6.62500	2.44584	5.98214	0.864736	36.9184
30 Q8B	6.12500	2.35660	5.55357	0.833185	38.4751
31 Q8C	9.14286	0.899735	0.809524	0.340068	9.84086
32 Q8D	6.71429	3.03942	9.23810	1.14879	45.2680
33 Q9	6.16667	2.85774	8.16667	1.16667	46.3417

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
29 Q8A	2.00000	9.00000	7.00000	53.0000
30 Q8B	3.00000	10.0000	7.00000	49.0000
31 Q8C	8.00000	10.0000	2.00000	64.0000
32 Q8D	2.00000	10.0000	8.00000	47.0000
33 Q9	1.00000	9.00000	8.00000	37.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206 APR 30 '87 PAGE 11

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
34 Q10A	7	1	12.5
35 Q10B	5	3	37.5
36 Q10C	8	0	0.0
37 Q10D	6	2	25.0
38 Q10E	7	1	12.5
39 Q10F	7	1	12.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
34 Q10A	9.14286	0.899735	0.809524	0.340068	9.84086
35 Q10B	7.00000	2.73861	7.50000	1.22474	39.1230
36 Q10C	7.62500	2.06588	4.26786	0.730399	27.0935
37 Q10D	5.83333	2.92689	8.56667	1.19490	50.1752
38 Q10E	8.00000	1.91485	3.66667	0.723747	23.9357
39 Q10F	8.14286	1.46385	2.14286	0.553283	17.9771

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
34 Q10A	8.00000	10.0000	2.00000	64.0000
35 Q10B	3.00000	10.0000	7.00000	35.0000
36 Q10C	3.00000	10.0000	7.00000	61.0000
37 Q10D	2.00000	9.00000	7.00000	35.0000
38 Q10E	6.00000	10.0000	4.00000	56.0000
39 Q10F	6.00000	10.0000	4.00000	57.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206 APR 30 '87 PAGE 12

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
40 Q12A1	0	8	100.0
41 Q12A2	1	7	87.5
42 Q12A3	2	6	75.0
43 Q12A4	2	6	75.0
44 Q12B1	2	6	75.0
45 Q12B2	1	7	87.5
46 Q12B3	2	6	75.0
47 Q12B4	2	6	75.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
40 Q12A1	0.00000	0.00000	0.00000	0.00000	0.00000
41 Q12A2	99.0000	0.00000	0.00000	0.00000	0.00000
42 Q12A3	99.0000	0.00000	0.00000	0.00000	0.00000
43 Q12A4	51.0000	67.8823	4608.00	48.0000	133.102
44 Q12B1	1.00000	0.00000	0.00000	0.00000	0.00000
45 Q12B2	99.0000	0.00000	0.00000	0.00000	0.00000
46 Q12B3	99.0000	0.00000	0.00000	0.00000	0.00000
47 Q12B4	51.0000	67.8823	4608.00	48.0000	133.102

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
40 Q12A1	MISSING	MISSING	0.00000	0.00000
41 Q12A2	99.0000	99.0000	0.00000	99.0000
42 Q12A3	99.0000	99.0000	0.00000	198.000
43 Q12A4	3.00000	99.0000	96.0000	102.000
44 Q12B1	1.00000	1.00000	0.00000	2.00000
45 Q12B2	99.0000	99.0000	0.00000	99.0000
46 Q12B3	99.0000	99.0000	0.00000	198.000
47 Q12B4	3.00000	99.0000	96.0000	102.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206

APR 30 '87 PAGE 13

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
48 Q13A1	3	5	62.5
49 Q13A2	3	5	62.5
50 Q13A3	2	6	75.0
51 Q13A4	2	6	75.0
52 Q13B1	4	4	50.0
53 Q13B2	3	5	62.5
54 Q13B3	2	6	75.0
55 Q13B4	2	6	75.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
48 Q13A1	3.33333	1.52753	2.33333	0.881917	45.8258
49 Q13A2	35.3333	55.1574	3042.33	31.8451	156.106
50 Q13A3	99.0000	0.00000	0.00000	0.00000	0.00000
51 Q13A4	50.5000	68.5894	4704.50	48.5000	135.821
52 Q13B1	17.5000	11.9024	141.667	5.95119	68.0136
53 Q13B2	46.3333	46.6940	2180.33	26.9588	100.779
54 Q13B3	99.0000	0.00000	0.00000	0.00000	0.00000
55 Q13B4	54.5000	62.9325	3960.50	44.5000	115.472

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
48 Q13A1	2.00000	5.00000	3.00000	10.0000
49 Q13A2	2.00000	99.0000	97.0000	106.000
50 Q13A3	99.0000	99.0000	0.00000	198.000
51 Q13A4	2.00000	99.0000	97.0000	101.000
52 Q13B1	5.00000	30.0000	25.0000	70.0000
53 Q13B2	10.0000	99.0000	89.0000	139.000
54 Q13B3	99.0000	99.0000	0.00000	198.000
55 Q13B4	10.0000	99.0000	89.0000	109.000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206 APR 30 '87 PAGE 14

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
56 Q14A1	8	0	0.0
57 Q14A2	7	1	12.5
58 Q14A3	2	6	75.0
59 Q14A4	5	3	37.5
60 Q14B1	5	3	37.5
61 Q14B2	5	3	37.5
62 Q14B3	2	6	75.0
63 Q14B4	2	6	75.0
64 Q14C1	5	3	37.5
65 Q14C2	5	3	37.5
66 Q14C3	1	7	87.5
67 Q14C4	2	6	75.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
56 Q14A1	6.50000	2.00000	4.00000	0.707107	30.7692
57 Q14A2	7.71429	1.70434	2.90476	0.644179	22.0932
58 Q14A3	9.50000	0.707107	0.500000	0.500000	7.44323
59 Q14A4	7.00000	2.54951	6.50000	1.14018	36.4216
60 Q14B1	7.40000	1.81659	3.30000	0.812404	24.5485
61 Q14B2	8.40000	1.51658	2.30000	0.678233	18.0545
62 Q14B3	10.0000	0.00000	0.00000	0.00000	0.00000
63 Q14B4	6.50000	4.94975	24.5000	3.50000	76.1500
64 Q14C1	6.00000	2.00000	4.00000	0.894427	33.3333
65 Q14C2	6.40000	2.88097	8.30000	1.28841	45.0152
66 Q14C3	10.0000	0.00000	0.00000	0.00000	0.00000
67 Q14C4	7.50000	3.53553	12.5000	2.50000	47.1405

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
56 Q14A1	2.00000	8.00000	6.00000	52.0000
57 Q14A2	5.00000	10.0000	5.00000	54.0000
58 Q14A3	9.00000	10.0000	1.00000	19.0000
59 Q14A4	4.00000	10.0000	6.00000	35.0000
60 Q14B1	5.00000	10.0000	5.00000	37.0000
61 Q14B2	7.00000	10.0000	3.00000	42.0000
62 Q14B3	10.0000	10.0000	0.00000	20.0000
63 Q14B4	3.00000	10.0000	7.00000	13.0000
64 Q14C1	4.00000	9.00000	5.00000	30.0000
65 Q14C2	3.00000	10.0000	7.00000	32.0000
66 Q14C3	10.0000	10.0000	0.00000	10.0000
67 Q14C4	5.00000	10.0000	5.00000	15.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206 APR 30 '87 PAGE 15

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
68 Q15A1	6	2	25.0
69 Q15A2	5	3	37.5
70 Q15A3	1	7	87.5
71 Q15A4	3	5	62.5
72 Q15B1	5	3	37.5
73 Q15B2	4	4	50.0
74 Q15B3	1	7	87.5
75 Q15B4	2	6	75.0
76 Q15C1	5	3	37.5
77 Q15C2	5	3	37.5
78 Q15C3	1	7	87.5
79 Q15C4	3	5	62.5
80 Q15D1	7	1	12.5
81 Q15D2	7	1	12.5
82 Q15D3	1	7	87.5
83 Q15D4	4	4	50.0
84 Q15E1	3	5	62.5
85 Q15E2	3	5	62.5
86 Q15E3	1	7	87.5
87 Q15E4	1	7	87.5

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
68 Q15A1	7.33333	2.65832	7.06667	1.08525	36.2498
69 Q15A2	8.20000	1.64317	2.70000	0.734847	20.0386
70 Q15A3	8.00000	0.00000	0.00000	0.00000	0.00000
71 Q15A4	7.00000	1.73205	3.00000	1.00000	24.7436
72 Q15B1	5.80000	3.27109	10.7000	1.46287	56.3980
73 Q15B2	7.25000	1.25831	1.58333	0.629153	17.3559
74 Q15B3	9.00000	0.00000	0.00000	0.00000	0.00000
75 Q15B4	8.00000	1.41421	2.00000	1.00000	17.6777
76 Q15C1	8.40000	1.51658	2.30000	0.678233	18.0545
77 Q15C2	8.40000	0.547723	0.300000	0.244949	6.52051
78 Q15C3	9.00000	0.00000	0.00000	0.00000	0.00000
79 Q15C4	6.66667	3.21455	10.3333	1.85592	48.2183
80 Q15D1	8.85714	1.21499	1.47619	0.459221	13.7176
81 Q15D2	8.85714	1.21499	1.47619	0.459221	13.7176
82 Q15D3	10.0000	0.00000	0.00000	0.00000	0.00000
83 Q15D4	7.00000	2.94392	8.66667	1.47196	42.0560
84 Q15E1	6.66667	4.16333	17.3333	2.40370	62.4500
85 Q15E2	6.66667	4.16333	17.3333	2.40370	62.4500
86 Q15E3	10.0000	0.00000	0.00000	0.00000	0.00000
87 Q15E4	10.0000	0.00000	0.00000	0.00000	0.00000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206 APR 30 '87 PAGE 16

COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
68 Q15A1	4.00000	10.0000	6.00000	44.0000
69 Q15A2	6.00000	10.0000	4.00000	41.0000
70 Q15A3	8.00000	8.00000	0.00000	8.00000
71 Q15A4	5.00000	8.00000	3.00000	21.0000
72 Q15B1	1.00000	9.00000	8.00000	29.0000
73 Q15B2	6.00000	9.00000	3.00000	29.0000
74 Q15B3	9.00000	9.00000	0.00000	9.00000
75 Q15B4	7.00000	9.00000	2.00000	16.0000
76 Q15C1	6.00000	10.0000	4.00000	42.0000
77 Q15C2	8.00000	9.00000	1.00000	42.0000
78 Q15C3	9.00000	9.00000	0.00000	9.00000
79 Q15C4	3.00000	9.00000	6.00000	20.0000
80 Q15D1	7.00000	10.0000	3.00000	62.0000
81 Q15D2	7.00000	10.0000	3.00000	62.0000
82 Q15D3	10.0000	10.0000	0.00000	10.0000
83 Q15D4	3.00000	10.0000	7.00000	28.0000
84 Q15E1	2.00000	10.0000	8.00000	20.0000
85 Q15E2	2.00000	10.0000	8.00000	20.0000
86 Q15E3	10.0000	10.0000	0.00000	10.0000
87 Q15E4	10.0000	10.0000	0.00000	10.0000

ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206 APR 30 '87 PAGE 17

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

8 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
88 Q16	7.12500	2.41646	5.83929	0.854348	33.9152

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
88 Q16	3.00000	10.0000	7.00000	57.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206 APR 30 '87 PAGE 18

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 89 Q17

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	33.3	33.3	-1.10702
2.00000	3	5	50.0	83.3	0.221404
3.00000	1	6	16.7	100.0	1.54983
TOTAL	6	6	100.0	100.0	

VARIABLE: 90 Q18A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	4	4	50.0	50.0	-0.935414
2.00000	4	8	50.0	100.0	0.935414
TOTAL	8	8	100.0	100.0	

VARIABLE: 91 Q18B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	3	3	75.0	75.0	-0.500000
2.00000	1	4	25.0	100.0	1.50000
TOTAL	4	4	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206 APR 30 '87 PAGE 19

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
92 Q20A	8	0	0.0
93 Q20B	7	1	12.5
94 Q20C	8	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
92 Q20A	7.37500	1.84681	3.41071	0.652947	25.0415
93 Q20B	7.42857	1.51186	2.28571	0.571429	20.3519
94 Q20C	8.75000	1.03510	1.07143	0.365963	11.8297

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
92 Q20A	3.00000	9.00000	6.00000	59.0000
93 Q20B	5.00000	9.00000	4.00000	52.0000
94 Q20C	7.00000	10.0000	3.00000	70.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206 APR 30 '87 PAGE 20

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
95 Q20D1	6	2	25.0
96 Q20D2	8	0	0.0
97 Q20D3	8	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
95 Q20D1	16.9383	40.2090	1616.76	16.4153	237.385
96 Q20D2	0.487500	0.339905	0.115536	0.120175	69.7242
97 Q20D3	4.12500	3.48210	12.1250	1.23111	84.4145

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
95 Q20D1	0.0300000	99.0000	98.9700	101.630
96 Q20D2	0.150000	1.00000	0.850000	3.90000
97 Q20D3	1.00000	12.0000	11.0000	33.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206 APR 30 '87 PAGE 21

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 98 Q20E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	8	8	100.0	100.0	0.00000
TOTAL	8	8	100.0	100.0	

VARIABLE: 99 Q20F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	5	5	71.4	71.4	-0.585540
2.00000	2	7	28.6	100.0	1.46385
TOTAL	7	7	100.0	100.0	

VARIABLE: 100 Q21A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	5	5	62.5	62.5	-0.724569
2.00000	3	8	37.5	100.0	1.20761
TOTAL	8	8	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206 APR 30 '87 PAGE 22

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 101 Q22A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	4	4	80.0	80.0	-0.447214
2.00000	1	5	20.0	100.0	1.78885
TOTAL	5	5	100.0	100.0	

VARIABLE: 102 Q22B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	5	5	62.5	62.5	-0.724569
2.00000	3	8	37.5	100.0	1.20761
TOTAL	8	8	100.0	100.0	

VARIABLE: 103 Q24A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	6	6	85.7	85.7	-0.377964
2.00000	1	7	14.3	100.0	2.26779
TOTAL	7	7	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206 APR 30 '87 PAGE 23

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

8 CASES (14.0%) ARE IN THIS SUBSET

8 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
104 Q24B	6.87500	2.16712	4.69643	0.766194	31.5218

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
104 Q24B	3.00000	9.00000	6.00000	55.0000



ABSTAT 4.07
FILE: ZCR3

CRAY CUSTOMER SATISFACTION SURVEY - UNIV/NSF/SB INDUSTRY
REV#206 APR 30 '87 PAGE 24

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 2.00000 THRU 2.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 105 Q26A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	7	7	87.5	87.5	-0.353553
3.00000	1	8	12.5	100.0	2.47487
TOTAL	8	8	100.0	100.0	







ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 'OTHER' INDUSTRY
REV#206

APR 30 '87 PAGE 1

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 10 Q1D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	7	7	58.3	58.3	-0.809174
2.00000	5	12	41.7	100.0	1.13284
TOTAL	12	12	100.0	100.0	



COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

12 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
11 Q2A	9.08333	0.900337	0.810606	0.259905	9.91196
12 Q2B	7.91667	2.02073	4.08333	0.583333	25.5250
13 Q2C1	7.75000	1.60255	2.56818	0.462618	20.6781
14 Q2C2	8.16667	1.69670	2.87879	0.489795	20.7759
15 Q2C3	5.08333	2.23437	4.99242	0.645008	43.9549
16 Q2C4	6.83333	1.85047	3.42424	0.534185	27.0801
17 Q2D	7.50000	1.44600	2.09091	0.417424	19.2800
18 Q2E	5.91667	3.52803	12.4470	1.01845	59.6286
19 Q2F	7.16667	3.01008	9.06061	0.868936	42.0012
20 Q2G	7.66667	2.53461	6.42424	0.731679	33.0601

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
11 Q2A	8.00000	10.0000	2.00000	109.000
12 Q2B	4.00000	10.0000	6.00000	95.0000
13 Q2C1	5.00000	10.0000	5.00000	93.0000
14 Q2C2	5.00000	10.0000	5.00000	98.0000
15 Q2C3	2.00000	9.00000	7.00000	61.0000
16 Q2C4	4.00000	10.0000	6.00000	82.0000
17 Q2D	5.00000	9.00000	4.00000	90.0000
18 Q2E	1.00000	10.0000	9.00000	71.0000
19 Q2F	1.00000	10.0000	9.00000	86.0000
20 Q2G	2.00000	10.0000	8.00000	92.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 'OTHER' INDUSTRY
REV#206

APR 30 '87 PAGE 3

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 11 Q2A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
8.00000	4	4	33.3	33.3	-1.20325
9.00000	3	7	25.0	58.3	-0.0925580
10.0000	5	12	41.7	100.0	1.01814
TOTAL	12	12	100.0	100.0	

VARIABLE: 12 Q2B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	1	1	8.3	8.3	-1.93825
5.00000	1	2	8.3	16.7	-1.44338
6.00000	1	3	8.3	25.0	-0.948504
7.00000	1	4	8.3	33.3	-0.453632
8.00000	2	6	16.7	50.0	0.0412393
9.00000	3	9	25.0	75.0	0.536111
10.0000	3	12	25.0	100.0	1.03098
TOTAL	12	12	100.0	100.0	

VARIABLE: 13 Q2C1

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	8.3	8.3	-1.71601
6.00000	2	3	16.7	25.0	-1.09201
7.00000	2	5	16.7	41.7	-0.468003
8.00000	3	8	25.0	66.7	0.156001
9.00000	2	10	16.7	83.3	0.780005
10.0000	2	12	16.7	100.0	1.40401
TOTAL	12	12	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE =

4.00000 THRU

4.00000

MISSING VALUE TREATMENT: VARWISE

VARIABLE: 14 Q2C2

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	8.3	8.3	-1.86637
6.00000	2	3	16.7	25.0	-1.27699
8.00000	3	6	25.0	50.0	-0.0982299
9.00000	3	9	25.0	75.0	0.491150
10.0000	3	12	25.0	100.0	1.08053
TOTAL	12	12	100.0	100.0	

VARIABLE: 15 Q2C3

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	2	2	16.7	16.7	-1.37995
3.00000	2	4	16.7	33.3	-0.932402
5.00000	3	7	25.0	58.3	-0.0372961
6.00000	1	8	8.3	66.7	0.410257
7.00000	3	11	25.0	91.7	0.857809
9.00000	1	12	8.3	100.0	1.75292
TOTAL	12	12	100.0	100.0	

VARIABLE: 16 Q2C4

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
4.00000	1	1	8.3	8.3	-1.53114
5.00000	2	3	16.7	25.0	-0.990739
6.00000	3	6	25.0	50.0	-0.450336
7.00000	2	8	16.7	66.7	0.0900672
8.00000	1	9	8.3	75.0	0.630470
9.00000	2	11	16.7	91.7	1.17087
10.0000	1	12	8.3	100.0	1.71128
TOTAL	12	12	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 'OTHER' INDUSTRY
REV#206

APR 30 '87 PAGE 5

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 17 Q2D

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	2	2	16.7	16.7	-1.72891
6.00000	1	3	8.3	25.0	-1.03735
7.00000	1	4	8.3	33.3	-0.345782
8.00000	5	9	41.7	75.0	0.345782
9.00000	3	12	25.0	100.0	1.03735
TOTAL	12	12	100.0	100.0	

VARIABLE: 18 Q2E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	8.3	8.3	-1.39360
2.00000	2	3	16.7	25.0	-1.11016
3.00000	2	5	16.7	41.7	-0.826713
6.00000	1	6	8.3	50.0	0.0236204
7.00000	1	7	8.3	58.3	0.307065
8.00000	1	8	8.3	66.7	0.590510
9.00000	1	9	8.3	75.0	0.873954
10.0000	3	12	25.0	100.0	1.15740
TOTAL	12	12	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 19 Q2F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	8.3	8.3	-2.04867
2.00000	1	2	8.3	16.7	-1.71645
5.00000	1	3	8.3	25.0	-0.719803
7.00000	2	5	16.7	41.7	-0.0553694
8.00000	1	6	8.3	50.0	0.276847
9.00000	4	10	33.3	83.3	0.609064
10.0000	2	12	16.7	100.0	0.941280
TOTAL	12	12	100.0	100.0	

VARIABLE: 20 Q2G

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
2.00000	1	1	8.3	8.3	-2.23572
5.00000	1	2	8.3	16.7	-1.05210
6.00000	2	4	16.7	33.3	-0.657564
7.00000	1	5	8.3	41.7	-0.263025
8.00000	1	6	8.3	50.0	0.131513
9.00000	2	8	16.7	66.7	0.526051
10.0000	4	12	33.3	100.0	0.920589
TOTAL	12	12	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 'OTHER' INDUSTRY
REV#206

APR 30 '87 PAGE 7

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
21 Q4	12	0	0.0
22 Q5	11	1	8.3
23 Q5A	10	2	16.7
24 Q5B	9	3	25.0
25 Q5C	7	5	41.7

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
21 Q4	70.4167	26.4109	697.538	7.62418	37.5067
22 Q5	6.36364	6.91770	47.8545	2.08576	108.707
23 Q5A	50.8000	30.1765	910.622	9.54265	59.4026
24 Q5B	44.1111	29.8473	890.861	9.94910	67.6639
25 Q5C	42.1429	32.5956	1062.48	12.3200	77.3456

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
21 Q4	40.0000	100.000	60.0000	845.000
22 Q5	1.00000	25.0000	24.0000	70.0000
23 Q5A	20.0000	100.000	80.0000	508.000
24 Q5B	5.00000	100.000	95.0000	397.000
25 Q5C	10.0000	100.000	90.0000	295.000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 'OTHER' INDUSTRY
REV#206

APR 30 '87 PAGE 8

COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 23 Q5A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
20.0000	1	1	10.0	10.0	-1.02066
25.0000	3	4	30.0	40.0	-0.854969
33.0000	1	5	10.0	50.0	-0.589863
50.0000	1	6	10.0	60.0	-0.0265107
67.0000	1	7	10.0	70.0	0.536841
68.0000	1	8	10.0	80.0	0.569980
95.0000	1	9	10.0	90.0	1.46472
100.000	1	10	10.0	100.0	1.63041
TOTAL	10	10	100.0	100.0	

VARIABLE: 24 Q5B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
5.00000	1	1	11.1	11.1	-1.31037
6.00000	1	2	11.1	22.2	-1.27687
33.0000	2	4	22.2	44.4	-0.372265
50.0000	3	7	33.3	77.8	0.197301
70.0000	1	8	11.1	88.9	0.867378
100.000	1	9	11.1	100.0	1.87249
TOTAL	9	9	100.0	100.0	

VARIABLE: 25 Q5C

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
10.0000	1	1	14.3	14.3	-0.986109
25.0000	2	3	28.6	42.9	-0.525925
26.0000	1	4	14.3	57.1	-0.495246
34.0000	1	5	14.3	71.4	-0.249814
75.0000	1	6	14.3	85.7	1.00802
100.000	1	7	14.3	100.0	1.77500
TOTAL	7	7	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 'OTHER' INDUSTRY
REV#206

APR 30 '87 PAGE 9

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
26 Q6A	11	1	8.3
27 Q6B	10	2	16.7
28 Q7	10	2	16.7

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
26 Q6A	10.4545	18.4465	340.273	5.56182	176.445
27 Q6B	55.9000	22.9804	528.100	7.26705	41.1099
28 Q7	72.0000	37.2827	1390.00	11.7898	51.7815

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
26 Q6A	1.00000	60.0000	59.0000	115.000
27 Q6B	10.0000	99.0000	89.0000	559.000
28 Q7	30.0000	120.000	90.0000	720.000



COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
29 Q8A	12	0	0.0
30 Q8B	12	0	0.0
31 Q8C	11	1	8.3
32 Q8D	11	1	8.3
33 Q9	8	4	33.3

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
29 Q8A	8.33333	1.72328	2.96970	0.497468	20.6794
30 Q8B	7.16667	2.32900	5.42424	0.672324	32.4977
31 Q8C	9.27273	0.646670	0.418182	0.194978	6.97389
32 Q8D	8.45455	1.57249	2.47273	0.474124	18.5994
33 Q9	6.62500	2.38672	5.69643	0.843833	36.0260

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
29 Q8A	4.00000	10.0000	6.00000	100.000
30 Q8B	2.00000	10.0000	8.00000	86.0000
31 Q8C	8.00000	10.0000	2.00000	102.000
32 Q8D	5.00000	10.0000	5.00000	93.0000
33 Q9	3.00000	9.00000	6.00000	53.0000



COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
34 Q10A	9	3	25.0
35 Q10B	5	7	58.3
36 Q10C	10	2	16.7
37 Q10D	9	3	25.0
38 Q10E	12	0	0.0
39 Q10F	9	3	25.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
34 Q10A	9.00000	1.11803	1.25000	0.372678	12.4226
35 Q10B	6.80000	1.30384	1.70000	0.583095	19.1741
36 Q10C	7.70000	2.11082	4.45556	0.667499	27.4132
37 Q10D	8.33333	1.93649	3.75000	0.645497	23.2379
38 Q10E	8.50000	0.797724	0.636364	0.230283	9.38499
39 Q10F	8.66667	1.11803	1.25000	0.372678	12.9004

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
34 Q10A	7.00000	10.0000	3.00000	81.0000
35 Q10B	5.00000	8.00000	3.00000	34.0000
36 Q10C	4.00000	10.0000	6.00000	77.0000
37 Q10D	4.00000	10.0000	6.00000	75.0000
38 Q10E	7.00000	10.0000	3.00000	102.000
39 Q10F	7.00000	10.0000	3.00000	78.0000



COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
40 Q12A1	2	10	83.3
41 Q12A2	2	10	83.3
42 Q12A3	1	11	91.7
43 Q12A4	3	9	75.0
44 Q12B1	3	9	75.0
45 Q12B2	4	8	66.7
46 Q12B3	1	11	91.7
47 Q12B4	3	9	75.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
40 Q12A1	183.000	257.387	66248.0	182.000	140.649
41 Q12A2	186.000	253.144	64082.0	179.000	136.099
42 Q12A3	30.0000	0.00000	0.00000	0.00000	0.00000
43 Q12A4	3.00000	3.46410	12.0000	2.00000	115.470
44 Q12B1	126.333	206.691	42721.3	119.333	163.608
45 Q12B2	138.000	158.217	25032.7	79.1086	114.650
46 Q12B3	90.0000	0.00000	0.00000	0.00000	0.00000
47 Q12B4	12.6667	15.3080	234.333	8.83805	120.852

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
40 Q12A1	1.00000	365.000	364.000	366.000
41 Q12A2	7.00000	365.000	358.000	372.000
42 Q12A3	30.0000	30.0000	0.00000	30.0000
43 Q12A4	1.00000	7.00000	6.00000	9.00000
44 Q12B1	7.00000	365.000	358.000	379.000
45 Q12B2	7.00000	365.000	358.000	552.000
46 Q12B3	90.0000	90.0000	0.00000	90.0000
47 Q12B4	1.00000	30.0000	29.0000	38.0000



COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
48 Q13A1	4	8	66.7
49 Q13A2	5	7	58.3
50 Q13A3	2	10	83.3
51 Q13A4	4	8	66.7
52 Q13B1	7	5	41.7
53 Q13B2	10	2	16.7
54 Q13B3	2	10	83.3
55 Q13B4	6	6	50.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
48 Q13A1	95.5000	179.677	32283.7	89.8383	188.143
49 Q13A2	104.800	150.052	22515.7	67.1054	143.180
50 Q13A3	18.5000	16.2635	264.500	11.5000	87.9106
51 Q13A4	11.5000	12.5565	157.667	6.27827	109.187
52 Q13B1	135.286	160.818	25862.6	60.7837	118.873
53 Q13B2	140.100	160.002	25600.8	50.5972	114.206
54 Q13B3	135.000	63.6396	4050.00	45.0000	47.1405
55 Q13B4	54.5000	69.3477	4809.10	28.3111	127.243

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
48 Q13A1	3.00000	365.000	362.000	382.000
49 Q13A2	2.00000	365.000	363.000	524.000
50 Q13A3	7.00000	30.0000	23.0000	37.0000
51 Q13A4	2.00000	30.0000	28.0000	46.0000
52 Q13B1	2.00000	365.000	363.000	947.000
53 Q13B2	2.00000	365.000	363.000	1401.00
54 Q13B3	90.0000	180.000	90.0000	270.000
55 Q13B4	1.00000	180.000	179.000	327.000



COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
56 Q14A1	12	0	0.0
57 Q14A2	12	0	0.0
58 Q14A3	3	9	75.0
59 Q14A4	7	5	41.7
60 Q14B1	10	2	16.7
61 Q14B2	10	2	16.7
62 Q14B3	3	9	75.0
63 Q14B4	7	5	41.7
64 Q14C1	10	2	16.7
65 Q14C2	11	1	8.3
66 Q14C3	3	9	75.0
67 Q14C4	7	5	41.7

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
56 Q14A1	7.41667	1.83196	3.35606	0.528840	24.7005
57 Q14A2	7.16667	1.94625	3.78788	0.561833	27.1569
58 Q14A3	4.00000	2.64575	7.00000	1.52753	66.1438
59 Q14A4	8.00000	0.816497	0.666667	0.308607	10.2062
60 Q14B1	6.30000	2.98329	8.90000	0.943398	47.3538
61 Q14B2	6.60000	2.98887	8.93333	0.945163	45.2859
62 Q14B3	4.00000	2.64575	7.00000	1.52753	66.1438
63 Q14B4	8.28571	0.951190	0.904762	0.359516	11.4799
64 Q14C1	6.50000	2.75882	7.61111	0.872417	42.4434
65 Q14C2	5.81818	2.99393	8.96364	0.902705	51.4582
66 Q14C3	3.33333	1.52753	2.33333	0.881917	45.8258
67 Q14C4	7.85714	0.899735	0.809524	0.340068	11.4512

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
56 Q14A1	3.00000	10.0000	7.00000	89.0000
57 Q14A2	3.00000	10.0000	7.00000	86.0000
58 Q14A3	2.00000	7.00000	5.00000	12.0000
59 Q14A4	7.00000	9.00000	2.00000	56.0000
60 Q14B1	1.00000	10.0000	9.00000	63.0000
61 Q14B2	1.00000	10.0000	9.00000	66.0000
62 Q14B3	2.00000	7.00000	5.00000	12.0000
63 Q14B4	7.00000	10.0000	3.00000	58.0000
64 Q14C1	1.00000	10.0000	9.00000	65.0000
65 Q14C2	1.00000	10.0000	9.00000	64.0000
66 Q14C3	2.00000	5.00000	3.00000	10.0000
67 Q14C4	7.00000	9.00000	2.00000	55.0000

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
68 Q15A1	6	6	50.0
69 Q15A2	4	8	66.7
70 Q15A3	1	11	91.7
71 Q15A4	4	8	66.7
72 Q15B1	12	0	0.0
73 Q15B2	11	1	8.3
74 Q15B3	3	9	75.0
75 Q15B4	6	6	50.0
76 Q15C1	8	4	33.3
77 Q15C2	8	4	33.3
78 Q15C3	4	8	66.7
79 Q15C4	5	7	58.3
80 Q15D1	11	1	8.3
81 Q15D2	11	1	8.3
82 Q15D3	2	10	83.3
83 Q15D4	5	7	58.3
84 Q15E1	10	2	16.7
85 Q15E2	8	4	33.3
86 Q15E3	2	10	83.3
87 Q15E4	7	5	41.7

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
68 Q15A1	6.83333	0.983192	0.966667	0.401386	14.3882
69 Q15A2	7.75000	1.25831	1.58333	0.629153	16.2362
70 Q15A3	8.00000	0.00000	0.00000	0.00000	0.00000
71 Q15A4	7.75000	0.500000	0.250000	0.250000	6.45161
72 Q15B1	7.33333	0.887625	0.787879	0.256235	12.1040
73 Q15B2	8.09091	0.700649	0.490909	0.211254	8.65971
74 Q15B3	6.66667	2.51661	6.33333	1.45297	37.7492
75 Q15B4	6.83333	1.47196	2.16667	0.600925	21.5409
76 Q15C1	7.50000	2.20389	4.85714	0.779194	29.3852
77 Q15C2	6.12500	3.13676	9.83929	1.10901	51.2125
78 Q15C3	4.50000	3.31662	11.0000	1.65831	73.7028
79 Q15C4	7.80000	0.836660	0.700000	0.374166	10.7264
80 Q15D1	7.54545	1.96792	3.87273	0.593352	26.0809
81 Q15D2	7.27273	2.45320	6.01818	0.739667	33.7315
82 Q15D3	7.50000	0.707107	0.500000	0.500000	9.42809
83 Q15D4	6.00000	3.00000	9.00000	1.34164	50.0000
84 Q15E1	8.20000	1.68655	2.84444	0.533333	20.5677
85 Q15E2	7.25000	2.91548	8.50000	1.03078	40.2135
86 Q15E3	7.50000	0.707107	0.500000	0.500000	9.42809
87 Q15E4	8.14286	1.06904	1.14286	0.404061	13.1286



COMMAND: DESC

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
68 Q15A1	6.00000	8.00000	2.00000	41.0000
69 Q15A2	6.00000	9.00000	3.00000	31.0000
70 Q15A3	8.00000	8.00000	0.00000	8.00000
71 Q15A4	7.00000	8.00000	1.00000	31.0000
72 Q15B1	6.00000	9.00000	3.00000	88.0000
73 Q15B2	7.00000	9.00000	2.00000	89.0000
74 Q15B3	4.00000	9.00000	5.00000	20.0000
75 Q15B4	5.00000	9.00000	4.00000	41.0000
76 Q15C1	3.00000	10.0000	7.00000	60.0000
77 Q15C2	1.00000	9.00000	8.00000	49.0000
78 Q15C3	2.00000	9.00000	7.00000	18.0000
79 Q15C4	7.00000	9.00000	2.00000	39.0000
80 Q15D1	3.00000	10.0000	7.00000	83.0000
81 Q15D2	2.00000	10.0000	8.00000	80.0000
82 Q15D3	7.00000	8.00000	1.00000	15.0000
83 Q15D4	1.00000	9.00000	8.00000	30.0000
84 Q15E1	4.00000	10.0000	6.00000	82.0000
85 Q15E2	1.00000	10.0000	9.00000	58.0000
86 Q15E3	7.00000	8.00000	1.00000	15.0000
87 Q15E4	7.00000	10.0000	3.00000	57.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 'OTHER' INDUSTRY
REV#206

APR 30 '87

PAGE 17

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

12 CASES (100.0%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
88 Q16	7.83333	1.99241	3.96970	0.575159	25.4350

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
88 Q16	3.00000	10.0000	7.00000	94.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 'OTHER' INDUSTRY
REV#206

APR 30 '87

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COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 89 Q17

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	4	4	36.4	36.4	-1.08981
2.00000	5	9	45.5	81.8	0.242180
3.00000	2	11	18.2	100.0	1.57417
TOTAL	11	11	100.0	100.0	

VARIABLE: 90 Q18A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	2	2	18.2	18.2	-2.02260
2.00000	9	11	81.8	100.0	0.449467
TOTAL	11	11	100.0	100.0	

VARIABLE: 91 Q18B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	1	1	50.0	50.0	-0.707107
2.00000	1	2	50.0	100.0	0.707107
TOTAL	2	2	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 'OTHER' INDUSTRY
REV#206

APR 30 '87

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COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
92 Q20A	12	0	0.0
93 Q20B	8	4	33.3
94 Q20C	12	0	0.0

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
92 Q20A	7.25000	2.26134	5.11364	0.652791	31.1908
93 Q20B	8.25000	1.28174	1.64286	0.453163	15.5362
94 Q20C	8.08333	1.24011	1.53788	0.357990	15.3416

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
92 Q20A	4.00000	9.00000	5.00000	87.0000
93 Q20B	6.00000	10.0000	4.00000	66.0000
94 Q20C	6.00000	10.0000	4.00000	97.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 'OTHER' INDUSTRY
REV#206 APR 30 '87

PAGE 20

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

VARIABLE	VALID CASES	NUMBER MISSING	% MISSING
95 Q20D1	11	1	8.3
96 Q20D2	12	0	0.0
97 Q20D3	10	2	16.7

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
95 Q20D1	0.0590909	0.0670007	0.00448909	0.0202015	113.386
96 Q20D2	1.22917	1.63852	2.68474	0.472999	133.303
97 Q20D3	6.60300	3.68186	13.5561	1.16431	55.7604

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
95 Q20D1	0.0300000	0.250000	0.220000	0.650000
96 Q20D2	0.100000	6.00000	5.90000	14.7500
97 Q20D3	0.0300000	12.0000	11.9700	66.0300



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 'OTHER' INDUSTRY
REV#206 APR 30 '87

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COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 98 Q20E

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	11	11	91.7	91.7	-0.288675
2.00000	1	12	8.3	100.0	3.17543
TOTAL	12	12	100.0	100.0	

VARIABLE: 99 Q20F

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	8	8	72.7	72.7	-0.583874
2.00000	3	11	27.3	100.0	1.55700
TOTAL	11	11	100.0	100.0	

VARIABLE: 100 Q21A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	7	7	58.3	58.3	-0.809174
2.00000	5	12	41.7	100.0	1.13284
TOTAL	12	12	100.0	100.0	



COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 101 Q22A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	6	6	60.0	60.0	-0.774597
2.00000	4	10	40.0	100.0	1.16190
TOTAL	10	10	100.0	100.0	

VARIABLE: 102 Q22B

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	10	10	83.3	83.3	-0.428174
2.00000	2	12	16.7	100.0	2.14087
TOTAL	12	12	100.0	100.0	

VARIABLE: 103 Q24A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	8	8	72.7	72.7	-0.583874
2.00000	3	11	27.3	100.0	1.55700
TOTAL	11	11	100.0	100.0	



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 'OTHER' INDUSTRY
REV#206 APR 30 '87

PAGE 23

COMMAND: DESC

SELECTION ON VAR 9 COMTYPE = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

THERE ARE 105 VARIABLES AND 57 CASES IN THE DATA SET

12 CASES (21.1%) ARE IN THIS SUBSET

11 CASES (91.7%) ARE VALID

VARIABLE	MEAN	STD.DEV.	VARIANCE	STD ERROR OF MEAN	COEFF OF VARIATION
104 Q24B	7.00000	1.73205	3.00000	0.522233	24.7436

VARIABLE	MINIMUM	MAXIMUM	RANGE	TOTAL
104 Q24B	3.00000	9.00000	6.00000	77.0000



ABSTAT 4.07
FILE: ZCR3

CRAY USER SATISFACTION SURVEY - 'OTHER' INDUSTRY
REV#206

APR 30 '87

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COMMAND: FREQ

SELECTION ON VAR 9 COMTYPE = 4.00000 THRU 4.00000
MISSING VALUE TREATMENT: VARWISE

VARIABLE: 105 Q26A

VALUE	FREQ	CUM FREQ	%	CUM %	Z SCORE
1.00000	9	9	75.0	75.0	-0.552771
3.00000	3	12	25.0	100.0	1.65831
TOTAL	12	12	100.0	100.0	





