

CARGO SECURITY SYSTEM
FIELD EVALUATION
TEST CONDUCTOR

Prepared for

THE AEROSPACE CORPORATION
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J.H. WIGGINS COMPANY

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Appendix A

1. RESULTS OF SURVEY ANALYSIS

1.1 Pretest Surveys

1.1.1 Drivers Surveys

The pretest survey consisted of ten questions regarding the driver's attitudes towards CSS on a five-point Likert scale, two questions relating to the drivers' experience, four demographic type questions and three open-ended questions regarding attitudes towards CSS. The demographic data was not equally applicable to both test companies. Driver-owners work for GI, but not Transcon Lines. Transcon drivers are union, GI is non-union. No pilot test participants worked for GI. The ten questions measured on a Likert-type scale covered the driver's understanding of the system, its impact on the safety of his job, the impact on his ability to perform his job, and his general opinion of CSS.

A total of 38 drivers at GI responded to the questionnaires although not every question was answered by every driver. Tables 1-1 through 1-5 summarize the response to the questionnaires. The great majority of the drivers asserted they understood the purpose of the system and that they believed it would enhance their safety. Responses to questions about the impact on their job, and whether the system was generally a good idea, while positive, were less enthusiastic.

At Transcon, the answers to the same questions were far less positive. In general, the Transcon drivers were clustered about the "undecided" category. (Transcon survey results are presented in Tables 1-6 through 1-10.)

N	TEST QUESTION	PERCENTAGES				
		STRONGLY AGREE	AGREE	UNDECIDED	DISAGREE	STRONGLY DISAGREE
38	I understand the purpose of CSS.	13.16	73.68	7.89	2.63	2.63
38	The CSS will make my job easier.	5.26	23.68	39.47	28.95	2.63
38	The CSS will make my job safer.	10.53	60.53	18.42	10.53	0.0
38	CSS will not interfere with my doing my job.	10.53	60.53	23.68	5.26	0.0
38	CSS will reduce hijack dangers.	13.16	63.16	18.42	5.26	0.0
38	CSS is good for owner drivers.	10.53	50.00	26.32	7.89	5.26
38	CSS is good for company employed drivers.	10.53	47.37	34.21	7.89	0.0
38	CSS should be supported by the union.	21.05	26.32	42.11	10.53	0.0
38	CSS will reduce the time I have to spend talking to the dispatcher over the radio.	7.89	26.32	36.84	23.68	5.26
38	CSS is a good idea.	13.16	44.74	36.84	5.26	0.0

N	TEST QUESTION	PERCENTAGES	
		YES	NO
35	I own my own truck	60.00	40.00
36	I belong to the union	7.78	97.22
38	I participated in the pilot study	0.0	100.00
36	My route is in the test area	41.67	58.33

N	TEST QUESTION	PERCENTAGES		
		1yr-5yr	5yr-10yr	10yr+
35	How many years have you been a truck driver?	31.43	37.14	31.43
33	How many years have you worked for this company?	18.18	63.64	18.18

Table 1-1. Pretest Survey Results for GI

N	TEST QUESTION	PERCENTAGES				
		STRONGLY AGREE	AGREE	UNDECIDED	DISAGREE	STRONGLY DISAGREE
15	I understand the purpose of CSS.	13.33	66.67	6.67	6.67	6.67
15	The CSS will make my job easier.	6.67	20.00	46.67	26.67	0.0
15	The CSS will make my job safer.	6.67	60.00	20.00	13.33	0.0
15	CSS will not interfere with my doing my job.	13.33	60.00	26.67	0.0	0.0
15	CSS will reduce hijack dangers.	13.33	60.00	26.67	0.0	0.0
15	CSS is good for owner drivers.	6.67	53.33	26.67	13.33	0.0
15	CSS is good for company employed drivers.	6.67	46.67	33.33	13.33	0.0
15	CSS should be supported by the union.	13.33	20.00	53.33	13.33	0.0
15	CSS will reduce the time I have to spend talking to the dispatcher over the radio.	0.0	40.00	33.33	26.67	0.0
15	CSS is a good idea.	13.33	46.67	33.33	6.67	0.0

N	TEST QUESTION	PERCENTAGES	
		YES	NO
14	I own my own truck	57.14	42.86
14	I belong to the union	7.14	92.86
15	I participated in the pilot study	0.0	100.00

N	TEST QUESTION	PERCENTAGES		
		1yr-5yr	5yr-10yr	10yr+
15	How many years have you been a truck driver?	38.46	30.77	0.0
15	How many years have you worked for this company?	25.00	58.33	16.67

Table 1-2. Pretest Survey Results for GI Drivers Whose Routes are in the Test Area

N	TEST QUESTION	PERCENTAGES				
		STRONGLY AGREE	AGREE	UNDECIDED	DISAGREE	STRONGLY DISAGREE
21	I understand the purpose of CSS.	9.52	80.95	9.52	0.0	0.0
21	The CSS will make my job easier.	0.0	23.81	38.10	33.33	4.76
21	The CSS will make my job safer.	9.52	61.9	19.05	9.52	0.0
21	CSS will not interfere with my doing my job.	4.76	61.9	23.81	9.52	0.0
21	CSS will reduce hijack dangers.	9.52	66.67	14.29	9.52	0.0
21	CSS is good for owner drivers.	9.52	47.62	28.57	4.76	9.52
21	CSS is good for company employed drivers.	9.52	47.62	38.10	4.76	0.0
21	CSS should be supported by the union.	23.81	28.57	38.10	9.52	0.0
21	CSS will reduce the time I have to spend talking to the dispatcher over the radio.	14.29	14.29	42.86	23.81	4.76
21	CSS is a good idea.	9.52	42.86	42.86	4.76	0.0

N	TEST QUESTION	PERCENTAGES	
		YES	NO
20	I own my own truck	60.00	40.00
21	I belong to the union	0.0	100.00
21	I participated in the pilot study	0.0	100.00

N	TEST QUESTION	PERCENTAGES		
		1yr-5yr	5yr-10yr	10yr+
20	How many years have you been a truck driver?	30.00	45.00	25.00
19	How many years have you worked for this company?	15.79	63.16	21.05

Table 1-3. Pretest Survey Results for GI Drivers Whose Routes are Not in the Test Area

N	TEST QUESTION	PERCENTAGES				
		STRONGLY AGREE	AGREE	UNDECIDED	DISAGREE	STRONGLY DISAGREE
21	I understand the purpose of CSS.	14.29	66.67	9.52	4.76	4.76
21	The CSS will make my job easier.	4.76	14.29	33.33	42.86	4.76
21	The CSS will make my job safer.	4.76	61.90	19.05	14.29	0.0
21	CSS will not interfere with my doing my job.	9.52	61.90	19.05	9.52	0.0
21	CSS will reduce hijack dangers.	9.52	61.90	23.81	4.76	0.0
21	CSS is good for owner drivers.	9.52	42.86	28.57	9.52	9.52
21	CSS is good for company employed drivers.	9.52	52.38	28.57	9.52	0.0
21	CSS should be supported by the union.	23.81	23.81	42.86	9.52	0.0
21	CSS will reduce the time I have to spend talking to the dispatcher over the radio.	4.76	28.57	42.86	19.05	4.76
21	CSS is a good idea.	14.29	33.33	47.62	4.76	0.0

N	TEST QUESTION	PERCENTAGES	
		YES	NO
21	I belong to the union	5.00	95.00
21	I participated in the pilot study	0.0	100.00
21	My route is in the test area	40.00	60.00

N	TEST QUESTION	PERCENTAGES		
		1yr-5yr	5yr-10yr	10yr+
20	How many years have you been a truck driver?	40.00	30.00	30.00
19	How many years have you worked for this company?	15.79	73.68	10.53

Table 1-4. Pretest Survey Results for GI Drivers Who Own Their Own Truck

N	TEST QUESTION	PERCENTAGES				
		STRONGLY AGREE	AGREE	UNDECIDED	DISAGREE	STRONGLY DISAGREE
14	I understand the purpose of CSS.	7.14	85.71	7.14	0.0	0.0
14	The CSS will make my job easier.	0.0	35.71	50.00	14.29	0.0
14	The CSS will make my job safer.	14.29	57.14	21.43	7.14	0.0
14	CSS will not interfere with my doing my job.	7.14	57.14	35.71	0.0	0.0
14	CSS will reduce hijack dangers.	14.29	71.43	7.14	7.14	0.0
14	CSS is good for owner drivers.	7.14	64.29	21.43	7.14	0.0
14	CSS is good for company employed drivers.	7.14	42.86	42.86	7.14	0.0
14	CSS should be supported by the union.	14.29	35.71	35.71	14.29	0.0
14	CSS will reduce the time I have to spend talking to the dispatcher over the radio.	14.29	28.57	28.57	28.57	0.0
14	CSS is a good idea.	7.14	57.14	28.57	7.14	0.0

N	TEST QUESTION	PERCENTAGES	
		YES	NO
14	I belong to the union	0.0	100.00
14	I participated in the pilot study	0.0	100.00
14	My route is in the test area	42.86	57.14

N	TEST QUESTION	PERCENTAGES		
		1yr-5yr	5yr-10yr	10yr+
14	How many years have you been a truck driver?	16.67	58.33	25.00
14	How many years have you worked for this company?	18.18	54.55	27.27

Table 1-5. Pretest Survey Results for GI Drivers Who Do Not Own Their Own Trucks

N	TEST QUESTION	PERCENTAGES				
		STRONGLY AGREE	AGREE	UNDECIDED	DISAGREE	STRONGLY DISAGREE
47	I understand the purpose of CSS.	12.77	27.66	55.32	2.13	2.13
47	The CSS will make my job easier.	2.13	10.64	57.45	17.02	12.77
48	The CSS will make my job safer.	14.58	22.92	47.92	8.33	6.25
48	CSS will not interfere with my doing my job.	6.25	31.25	39.58	10.42	12.50
48	CSS will reduce hijack dangers.	14.58	31.25	35.42	10.42	8.33
48	CSS is good for owner drivers.	8.33	31.25	43.75	8.33	8.33
48	CSS is good for company employed drivers.	4.17	22.92	43.75	16.67	12.50
47	CSS should be supported by the union.	4.26	17.02	51.06	12.77	14.89
48	CSS will reduce the time I have to spend talking to the dispatcher over the radio.	2.08	6.25	39.58	29.17	22.92
48	CSS is a good idea.	4.17	25.00	50.00	2.08	18.75

N	TEST QUESTION	PERCENTAGES	
		YES	NO
46	I own my own truck	0.0	100.00
47	I belong to the union	100.00	0.0
43	I participated in the pilot study	23.26	76.74
42	My route is in the test area	35.71	64.29

N	TEST QUESTION	PERCENTAGES		
		1yr-5yr	5yr-10yr	10yr+
47	How many years have you been a truck driver?	0.0	6.38	93.62
46	How many years have you worked for this company?	13.04	43.48	43.48

Table 1-6. Pretest Survey Results for Transcon

N	TEST QUESTION	PERCENTAGES				
		STRONGLY AGREE	AGREE	UNDECIDED	DISAGREE	STRONGLY DISAGREE
9	I understand the purpose of CSS.	33.33	33.33	22.22	0.0	11.11
9	The CSS will make my job easier.	11.11	11.11	22.22	22.22	33.33
10	The CSS will make my job safer.	30.00	10.00	20.00	20.00	20.00
10	CSS will not interfere with my doing my job.	20.00	30.00	20.00	0.0	30.00
10	CSS will reduce hijack dangers.	20.00	30.00	10.00	20.00	20.00
10	CSS is good for owner drivers.	20.00	30.00	20.00	10.00	20.00
10	CSS is good for company employed drivers.	10.00	30.00	10.00	30.00	20.00
10	CSS should be supported by the union.	10.00	10.00	40.00	0.0	40.00
10	CSS will reduce the time I have to spend talking to the dispatcher over the radio.	10.00	10.00	10.00	40.00	30.00
10	CSS is a good idea.	10.00	30.00	10.00	0.0	50.00

N	TEST QUESTION	PERCENTAGES	
		YES	NO
10	I own my own truck	0.0	100.00
9	I belong to the union	100.00	0.0
9	My route is in the test area	55.56	44.44

N	TEST QUESTION	PERCENTAGES		
		1yr-5yr	5yr-10yr	10yr+
10	How many years have you been a truck driver?	0.0	10.00	90.00
10	How many years have you worked for this company?	20.00	60.00	20.00

Table 1-7. Pretest Survey Results for Transcon Drivers Who Participated in the Pilot Study

N	TEST QUESTION	PERCENTAGES				
		STRONGLY AGREE	AGREE	UNDECIDED	DISAGREE	STRONGLY DISAGREE
33	I understand the purpose of CSS.	9.09	24.24	63.64	3.03	0.0
33	The CSS will make my job easier.	0.0	12.12	63.64	18.18	6.06
33	The CSS will make my job safer.	9.09	24.24	60.61	6.06	0.0
33	CSS will not interfere with my doing my job.	0.0	27.27	51.52	15.15	6.06
33	CSS will reduce hijack dangers.	15.15	33.33	39.39	9.09	3.03
33	CSS is good for owner drivers.	6.06	30.30	51.52	9.09	3.03
33	CSS is good for company employed drivers.	3.03	18.18	54.55	15.15	9.09
33	CSS should be supported by the union.	3.03	18.18	54.55	18.18	6.06
33	CSS will reduce the time I have to spend talking to the dispatcher over the radio.	0.0	6.06	51.52	27.27	15.15
33	CSS is a good idea.	3.03	21.21	63.64	3.03	9.09

N	TEST QUESTION	PERCENTAGES	
		YES	NO
33	I own my own truck	0.0	100.00
33	I belong to the union	100.00	0.0
32	My route is in the test area	28.13	71.88

N	TEST QUESTION	PERCENTAGES		
		1yr-5yr	5yr-10yr	10yr+
33	How many years have you been a truck driver?	0.0	3.03	96.97
33	How many years have you worked for this company?	12.12	39.39	48.48

Table 1-8. Pretest Survey Results for Transcon Drivers Who Did Not Participate in the Pilot Study

N	TEST QUESTION	PERCENTAGES				
		STRONGLY AGREE	AGREE	UNDECIDED	DISAGREE	STRONGLY DISAGREE
14	I understand the purpose of CSS.	14.29	28.57	57.14	0.0	0.0
14	The CSS will make my job easier.	0.0	0.0	64.29	21.43	14.29
15	The CSS will make my job safer.	26.67	6.67	46.67	13.33	6.67
15	CSS will not interfere with my doing my job.	6.67	20.00	60.00	6.67	6.67
15	CSS will reduce hijack dangers.	20.00	6.67	53.33	13.33	6.67
15	CSS is good for owner drivers.	13.33	20.00	53.33	6.67	6.67
15	CSS is good for company employed drivers.	6.67	13.33	53.33	20.00	6.67
15	CSS should be supported by the union.	6.67	6.67	73.33	0.0	13.33
15	CSS will reduce the time I have to spend talking to the dispatcher over the radio.	0.0	0.0	46.67	40.00	13.33
15	CSS is a good idea.	6.67	20.00	53.33	0.0	20.00

N	TEST QUESTION	PERCENTAGES	
		YES	NO
15	I own my own truck	0.0	100.00
15	I belong to the union	100.00	0.0
15	I participated in the pilot study	35.71	64.29

N	TEST QUESTION	PERCENTAGES		
		1yr-5yr	5yr-10yr	10yr+
15	How many years have you been a truck driver?	0.0	6.67	93.33
15	How many years have you worked for this company?	14.29	42.86	42.86

Table 1-9. Pretest Survey Results for Transcon Drivers Whose Routes are in the Test Area

N	TEST QUESTION	PERCENTAGES				
		STRONGLY AGREE	AGREE	UNDECIDED	DISAGREE	STRONGLY DISAGREE
27	I understand the purpose of CSS.	14.81	22.22	55.56	3.70	3.70
27	The CSS will make my job easier.	3.70	18.52	55.56	14.81	7.41
27	The CSS will make my job safer.	11.11	29.63	51.85	7.41	0.0
27	CSS will not interfere with my doing my job.	7.41	29.63	37.04	14.81	11.11
27	CSS will reduce hijack dangers.	14.81	48.15	25.93	7.41	3.70
27	CSS is good for owner drivers.	7.41	37.04	44.44	7.41	3.70
27	CSS is good for company employed drivers.	3.70	25.93	44.44	14.81	11.11
27	CSS should be supported by the union.	3.70	18.52	44.44	22.22	11.11
27	CSS will reduce the time I have to spend talking to the dispatcher over the radio.	3.70	11.11	40.74	22.22	22.22
27	CSS is a good idea.	3.70	25.93	55.56	0.0	14.81

N	TEST QUESTION	PERCENTAGES	
		YES	NO
27	I own my own truck	0.0	100.00
27	I belong to the union	100.00	0.0
27	I participated in the pilot study	14.81	85.19

N	TEST QUESTION	PERCENTAGES		
		1yr-5yr	5yr-10yr	10yr+
27	How many years have you been a truck driver?	0.0	7.41	92.59
27	How many years have you worked for this company?	14.81	40.74	44.44

Table 1-10. Pretest Survey Results for Transcon Drivers Whose Routes are Not in the Test Area

A Mann Whitney U test was run comparing the drivers in two groups. On all of the ten attitudinal questions, GI shows up significantly more in agreement than Transcon. Four potentially contributing factors should be noted in this regard.

1. Transcon is a union company while GI's drivers are non-union.
2. Transcon drivers, as a group, are more experienced than GI drivers (see Table 1-11).
3. At GI, the presentation was made to the drivers by Aerospace Corporation and the J. H. Wiggins Company. At Transcon, the presentation was made to the drivers by the Teamster local president, Archie J. Murietta. Archie and the shop stewards met with Transcon management, Jack Crotty of Joint Council 42 Grievance Committee, Aerospace, and the J. H. Wiggins Company. The tone of the union people at the meeting was reluctant acceptance.
4. GI management philosophy is one of entrusting their drivers with responsibility and giving them support. At Transcon there is the typical management-labor adversary attitude. (Table 1-12 presents the results of the Mann Whitney U test where positive responses to the questionnaire and negative responses have been grouped.)

Although the previous application of the Mann Whitney U test strongly-suggests that the two groups of drivers are not from the same population, the results for a pooled sample are presented in Tables 1-13 through 1-15.

TEST QUESTION	PROBABILITY ³	RESEARCH HYPOTHESIS	N ₁ ⁴	N ₂ ⁴
I understand the purpose of CSS.	5.4×10^{-3}	Transcon>GI	38	47
The CSS will make my job easier.	.133	Transcon>GI	38	47
The CSS will make my job safer.	4.6×10^{-2}	Transcon>GI	38	48
CSS will not interfere with my doing my job.	8.5×10^{-4}	Transcon>GI	38	48
CSS will reduce hijack dangers.	.010	Transcon>GI	38	48
CSS is good for owner drivers.	.056	Transcon>GI	38	48
CSS is good for company employed drivers.	5.9×10^{-4}	Transcon>GI	38	48
CSS should be supported by the union.	1.1×10^{-3}	Transcon>GI	38	48
CSS will reduce the time I have to spend talking to the dispatcher over the radio.	9.7×10^{-4}	Transcon>GI	38	48
CSS is a good idea.	1.1×10^{-3}	Transcon>GI	38	48
How many years have you been a truck driver?	$.12 \times 10^{-8}$	Transcon>GI	35	47
How many years have you worked for this company?	.019	Transcon>GI	33	46

- NOTES:
1. Comparison is based on Mann Whitney U Test.
 2. Data has been assembled on a 5 point Likert scale.
 3. Probabilities listed are the probability of a Type I error, the probability of being in error if the null hypothesis were rejected in favor of the research hypothesis.
 4. Group 1 is GI. Group 2 is Transcon.

Table 1-11. Comparison of Pretest Survey Results of GI and Transcon

TEST QUESTION	PROBABILITY ³	RESEARCH HYPOTHESIS	N ₁ ⁴	N ₂ ⁴
I understand the purpose of CSS.	2.6×10^{-5}	Transcon>GI	38	47
The CSS will make my job easier.	.20	Transcon>GI	38	47
The CSS will make my job safer.	3×10^{-3}	Transcon>GI	38	48
CSS will not interfere with my doing my job.	6×10^{-4}	Transcon>GI	38	48
CSS will reduce hijack dangers.	1.8×10^{-3}	Transcon>GI	38	48
CSS is good for owner drivers.	.04	Transcon>GI	38	48
CSS is good for company employed drivers.	7.2×10^{-4}	Transcon>GI	38	48
CSS should be supported by the union.	2.8×10^{-2}	Transcon>GI	38	48
CSS will reduce the time I have to spend talking to the dispatcher over the radio.	2.1×10^{-3}	Transcon>GI	38	48
CSS is a good idea.	1.7×10^{-3}	Transcon>GI	38	48

- NOTES:
1. Comparison is based on Mann Whitney U Test.
 2. Data was collected on a 5 point Likert scale and pooled into categories of positive, negative and neutral.
 3. Probabilities listed are the probability of a Type I error, the probability of being in error if the null hypothesis were rejected in favor of the research hypothesis.
 4. Group 1 is GI. Group 2 is Transcon.

Table 1-12. Comparison of Pretest Survey Results of GI and Transcon

N	TEST QUESTION	PERCENTAGES				
		STRONGLY AGREE	AGREE	UNDECIDED	DISAGREE	STRONGLY DISAGREE
85	I understand the purpose of CSS.	12.94	48.24	34.12	2.35	2.35
85	The CSS will make my job easier.	3.53	16.47	49.41	22.35	8.24
86	The CSS will make my job safer.	12.79	39.53	34.88	9.30	3.49
86	CSS will not interfere with my doing my job.	8.14	44.19	32.56	8.14	6.98
86	CSS will reduce hijack dangers.	13.95	45.35	27.91	8.14	4.65
86	CSS is good for owner drivers.	9.30	39.53	36.05	8.14	6.98
86	CSS is good for company employed drivers.	6.98	33.72	39.72	12.79	6.98
85	CSS should be supported by the union.	11.76	21.18	47.06	11.76	8.24
86	CSS will reduce the time I have to spend talking to the dispatcher over the radio.	4.65	15.12	38.37	26.74	15.12
86	CSS is a good idea.	8.14	33.72	44.19	3.49	10.47

N	TEST QUESTION	PERCENTAGES	
		YES	NO
81	I own my own truck	25.93	74.07
83	I belong to the union	57.83	42.17
81	I participated in the pilot study	12.35	87.65
78	My route is in the test area	38.46	61.54

N	TEST QUESTION	PERCENTAGES		
		1yr-5yr	5yr-10yr	10yr+
82	How many years have you been a truck driver?	13.41	19.51	67.07
79	How many years have you worked for this company?	15.91	51.90	32.91

Table 1-13. Pretest Survey Results for GI and Transcon Drivers

N	TEST QUESTION	PERCENTAGES				
		STRONGLY AGREE	AGREE	UNDECIDED	DISAGREE	STRONGLY DISAGREE
48	I understand the purpose of CSS.	12.50	47.92	35.42	2.08	2.08
48	The CSS will make my job easier.	2.08	20.83	47.92	22.92	6.25
48	The CSS will make my job safer.	10.42	43.75	37.50	8.33	0.0
48	CSS will not interfere with my doing my job.	6.25	43.75	31.25	12.50	6.25
48	CSS will reduce hijack dangers.	12.50	56.25	20.83	8.33	2.08
48	CSS is good for owner drivers.	8.33	41.67	37.50	6.25	6.25
48	CSS is good for company employed drivers.	6.25	35.42	41.67	10.42	6.25
48	CSS should be supported by the union.	12.50	22.92	41.67	16.67	6.25
48	CSS will reduce the time I have to spend talking to the dispatcher over the radio.	8.33	12.50	41.67	22.92	14.58
48	CSS is a good idea.	6.25	33.33	50.00	2.08	8.33

N	TEST QUESTION	PERCENTAGES		
		1yr-5yr	5yr-10yr	10yr+
48	How many years have you been a truck driver?	12.77	23.40	63.83
48	How many years have you worked for this company?	15.22	50.00	34.78

Table 1-14. Pretest Survey Results for GI and Transcon Drivers Whose Routes are Not in the Test Area

N	TEST QUESTION	PERCENTAGES				
		STRONGLY AGREE	AGREE	UNDECIDED	DISAGREE	STRONGLY DISAGREE
29	I understand the purpose of CSS.	13.79	48.28	31.03	3.45	3.45
29	The CSS will make my job easier.	3.45	10.34	55.17	24.14	6.90
30	The CSS will make my job safer.	16.67	33.33	33.33	13.33	3.33
30	CSS will not interfere with my doing my job.	10.00	40.00	43.33	3.33	3.33
30	CSS will reduce hijack dangers.	16.67	33.33	40.00	6.67	3.33
30	CSS is good for owner drivers.	10.00	36.67	40.00	10.00	3.33
30	CSS is good for company employed drivers.	6.67	30.00	43.33	16.67	3.33
30	CSS should be supported by the union.	10.00	13.33	63.33	6.67	6.67
30	CSS will reduce the time I have to spend talking to the dispatcher over the radio.	0.0	20.00	40.00	33.33	6.67
30	CSS is a good idea.	10.00	33.33	43.33	3.33	10.00

N	TEST QUESTION	PERCENTAGES		
		1yr-5yr	5yr-10yr	10yr+
30	How many years have you been a truck driver?	17.86	17.86	64.29
30	How many years have you worked for this company?	19.23	50.00	30.77

Table 1-15. Pretest Survey Results for GI and Transcon Drivers Whose Routes Are in Test Area

A comparison of all the drivers whose routes would be in the test area with those whose routes would be outside the test area was made employing the Mann Whitney U statistic. This test was run employing both raw and grouped data. Tables 1-16 and 1-17 present the results of the analysis. On these tables the alternative hypothesis listed is that which the data most strongly supported. Note, the only question on which there appears to be a significant difference between groups is with regard to the effectiveness of the system in reducing hijack dangers. On this question, the drivers whose routes are in the test area expressed a significantly greater disagreement that CSS would reduce hijack dangers.

A comparison of the GI drivers who are owners and the non-owners was made (Tables 1-18 and 1-19). The only significant difference under the Mann Whitney U was that the non-owners were in greater agreement that CSS would make their jobs easier.

A comparison of the pilot test participants (Transcon) with those drivers (Transcon) who had not participated in the pilot tests revealed two significant differences (see Tables 1-20 and 1-21). The pilot test participants were in stronger agreement that they understood the purpose of the CSS than the non-participants. The pilot test participants were significantly less experienced than the non-participants.

The responses to the open-ended question about what the driver liked about CSS fell into three categories: 1) Nothing. 2) Safety. 3) Security. The items disliked about CSS were: 1) Everything. 2) "Big Brother" aspects of the system, and 3) Perceived burden on the taxpayers. Suggested modifications to CSS were: 1) Eliminate it, and 2) Substitute for the dispatcher, a monitor at an independent company so the system would be used only for safety and security.

TEST QUESTION	PROBABILITY ³	RESEARCH HYPOTHESIS	N ₁ ⁴	N ₂ ⁴
I understand the purpose of CSS.	.47	Non-Test Area>Test Area	29	48
The CSS will make my job easier.	.28	Test Area>Non-Test Area	29	48
The CSS will make my job safer.	.37	Test Area>Non-Test Area	30	48
CSS will not interfere with my doing my job.	.27	Non-Test Area>Test Area	30	48
CSS will reduce hijack dangers.	.18	Test Area>Non-Test Area	30	48
CSS is good for owner drivers.	.44	Test Area>Non-Test Area	30	48
CSS is good for company employed drivers.	.35	Test Area>Non-Test Area	30	48
CSS should be supported by the union.	.40	Test Area>Non-Test Area	30	48
CSS will reduce the time I have to spend talking to the dispatcher over the radio.	.47	Test Area>Non-Test Area	30	48
CSS is a good idea.	.41	Non-Test Area>Test Area	30	48

- NOTES:
1. Comparison is based on Mann Whitney U Test.
 2. Data has been assembled on a 5 point Likert scale.
 3. Probabilities listed are the probability of a Type I error, the probability of being in error if the null hypothesis were rejected in favor of the research hypothesis.
 4. Group 1 is test area. Group 2 is a non-test area.

Table 1-16. Comparison of Pretest Survey Results of Test Area versus Non-Test Area (GI and Transcon)

TEST QUESTION	PROBABILITY ³	RESEARCH HYPOTHESIS	N ₁ ⁴	N ₂ ⁴
I understand the purpose of CSS.	.48	Non-Test Area>Test Area	29	48
The CSS will make my job easier.	.26	Test Area>Non-Test Area	29	48
The CSS will make my job safer.	.26	Test Area>Non-Test Area	30	48
CSS will not interfere with my doing my job.	.31	Non-Test Area>Test Area	30	48
CSS will reduce hijack dangers.	.076	Test Area>Non-Test Area	30	48
CSS is good for owner drivers.	.39	Test Area>Non-Test Area	30	48
CSS is good for company employed drivers.	.31	Test Area>Non-Test Area	30	48
CSS should be supported by the union.	.40	Test Area>Non-Test Area	30	48

- NOTES:
1. Comparison is based on Mann Whitney U Test.
 2. Data was collected on a 5 point Likert scale and pooled into categories of positive, negative and neutral.
 3. Probabilities listed are the probability of a Type I error, the probability of being in error if the null hypothesis were rejected in favor of the research hypothesis.
 4. Group 1 is test area. Group 2 is non-test area.

Table 1-17. Comparison of Pretest Survey Results of Test Area versus Non-Test Area (GI and Transcon)

TEST QUESTION	PROBABILITY ³	RESEARCH HYPOTHESIS	N ₁ ⁴	N ₂ ⁴
I understand the purpose of CSS.	.37	Owner>Non-Owner	14	21
The CSS will make my job easier.	.034	Owner>Non-Owner	14	21
The CSS will make my job safer.	.24	Owner>Non-Owner	14	21
CSS will not interfere with my doing my job.	.39	Non-Owner>Owner	14	21
CSS will reduce hijack dangers.	.19	Owner>Non-Owner	14	21
CSS is good for owner drivers.	.16	Owner>Non-Owner	14	21
CSS is good for company employed drivers.	.29	Non-Owner>Owner	14	21
CSS should be supported by the union.	.39	Non-Owner>Owner	14	21
CSS will reduce the time I have to spend talking to the dispatcher over the radio.	.34	Owner>Non-Owner	14	21
CSS is a good idea.	.32	Owner>Non-Owner	14	21
How many years have you been a truck driver?	.25	Non-Owner>Owner	12	20
How many years have you worked for this company?	.5	Non-Owner>Owner	11	29

- NOTES:
1. Comparison is based on Mann Whitney U Test.
 2. Data has been assembled on a 5 point Likert scale.
 3. Probabilities listed are the probability of a Type I error, the probability of being in error if the null hypothesis were rejected in favor of the research hypothesis.
 4. Group 1 is the Truck Owners. Group 2 is the non-Truck Owners.

Table 1-18. Comparison of Pretest Survey Results of Truck Owners versus Non-Truck Owners (GI)

TEST QUESTION	PROBABILITY ³	RESEARCH HYPOTHESIS	N ₁ ⁴	N ₂ ⁴
I understand the purpose of CSS.	.153	Owner>Non-Owner	14	21
The CSS will make my job easier.	.03	Owner>Non-Owner	14	21
The CSS will make my job safer.	.348	Owner>Non-Owner	14	21
CSS will not interfere with my doing my job.	.41	Non-Owner>Owner	14	21
CSS will reduce hijack dangers.	.1911	Owner>Non-Owner	14	21
CSS is good for owner drivers.	.116	Owner>Non-Owner	14	21
CSS is good for company employed drivers.	.289	Non-Owner>Owner	14	21
CSS should be supported by the union.	.493	Non-Owner>Owner	14	21
CSS will reduce the time I have to spend talking to the dispatcher over the radio.	.415	Owner>Non-Owner	14	21
CSS is a good idea.	.206	Owner>Non-Owner	14	21

- NOTES:
1. Comparison is based on Mann Whitney U Test.
 2. Data was collected on a 5 point Likert scale and pooled into categories of positive, negative and neutral.
 3. Probabilities listed are the probability of a Type I error, the probability of being in error if the null hypothesis were rejected in favor of the research hypothesis.
 4. Group 1 is the Truck Owners. Group 2 is the Non-Truck Owners.

Table 1-19. Comparison of Pretest Survey Results of Truck Owners versus Non-Truck Owners (GI)

TEST QUESTION	PROBABILITY ³	RESEARCH HYPOTHESIS	N ₁ ⁴	N ₂ ⁴
I understand the purpose of CSS.	.055	Non-Participants > Pilot Test Participants	9	33
The CSS will make my job easier.	.122	Pilot Test Participants >Non-Participants	9	33
The CSS will make my job safer.	.282	Pilot Test Participants >Non-Participants	10	33
CSS will not interfere with my doing my job.	.266	Non-Participants > Pilot Test Participants	10	33
CSS will reduce hijack dangers.	.275	Pilot Test Participants >Non-Participants	10	33
CSS is good for owner drivers.	.433	Non-Participants > Pilot Test Participants	10	33
CSS is good for company employed drivers.	.392	Pilot Test Participants >Non-Participants	10	33
CSS should be supported by the union.	.164	Pilot Test Participants >Non-Participants	10	33
CSS will reduce the time I have to spend talking to the dispatcher over the radio.	.165	Pilot Test Participants >Non-Participants	10	33
CSS is a good idea.	.218	Pilot Test Participants >Non-Participants	10	33
How many years have you been a truck driver?	.182	Non-Participants > Pilot Test Participants	10	33
How many years have you worked for this company?	.066	Non-Participants > Pilot Test Participants	10	33

- NOTES:
1. Comparison is based on Mann Whitney U Test.
 2. Data has been assembled on a 5 point Likert scale.
 3. Probabilities listed are the probability of a Type I error, the probability of being in error if the null hypothesis were rejected in favor of the research hypothesis.
 4. Group 1 is Pilot Test Participants.
Group 2 is Non-Pilot Test Participants.

Table 1-20. Comparison of Pretest Survey Results of Pilot Test Participants versus Non-Participants (Transcon)

TEST QUESTION	PROBABILITY ³	RESEARCH HYPOTHESIS	N ₁ ⁴	N ₂ ⁴
I understand the purpose of CSS.	.08	Non-Participants > Pilot Test Participant	9	33
The CSS will make my job easier.	.157	Pilot Test Participants > Non-Participants	9	33
The CSS will make my job safer.	.196	Pilot Test Participants > Non-Participants	10	33
CSS will not interfere with my doing my job.	.279	Non-Participants > Pilot Test Participants	10	33
CSS will reduce hijack dangers.	.25	Pilot Test Participants > Non-Participants	10	33
CSS is good for owner drivers.	.488	Non-Participants > Pilot Test Participants	10	33
CSS is good for company employed drivers.	.379	Pilot Test Participants > Non-Participants	10	33
CSS should be supported by the union.	.24	Non-Participants > Pilot Test Participants	10	33
CSS will reduce the time I have to spend talking to the dispatcher over the radio.	.173	Pilot Test Participants > Non-Participants	10	33
CSS is a good idea.	.220	Pilot Test Participants > Non-Participants	10	33

- NOTES: 1. Comparison is based on Mann Whitney U Test.
2. Data was collected on a 5 point Likert scale and pooled into categories of positive, negative and neutral.
3. Probabilities listed are the probability of a Type I error, the probability of being in error if the null hypothesis were rejected in favor of the research hypothesis.
4. Group 1 is Pilot Test Participants.
Group 2 is non-Pilot Test Participants.

Table 1-21. Comparison of Pretest Survey Results of Pilot Test Participants versus Non-Participants (Transcon)

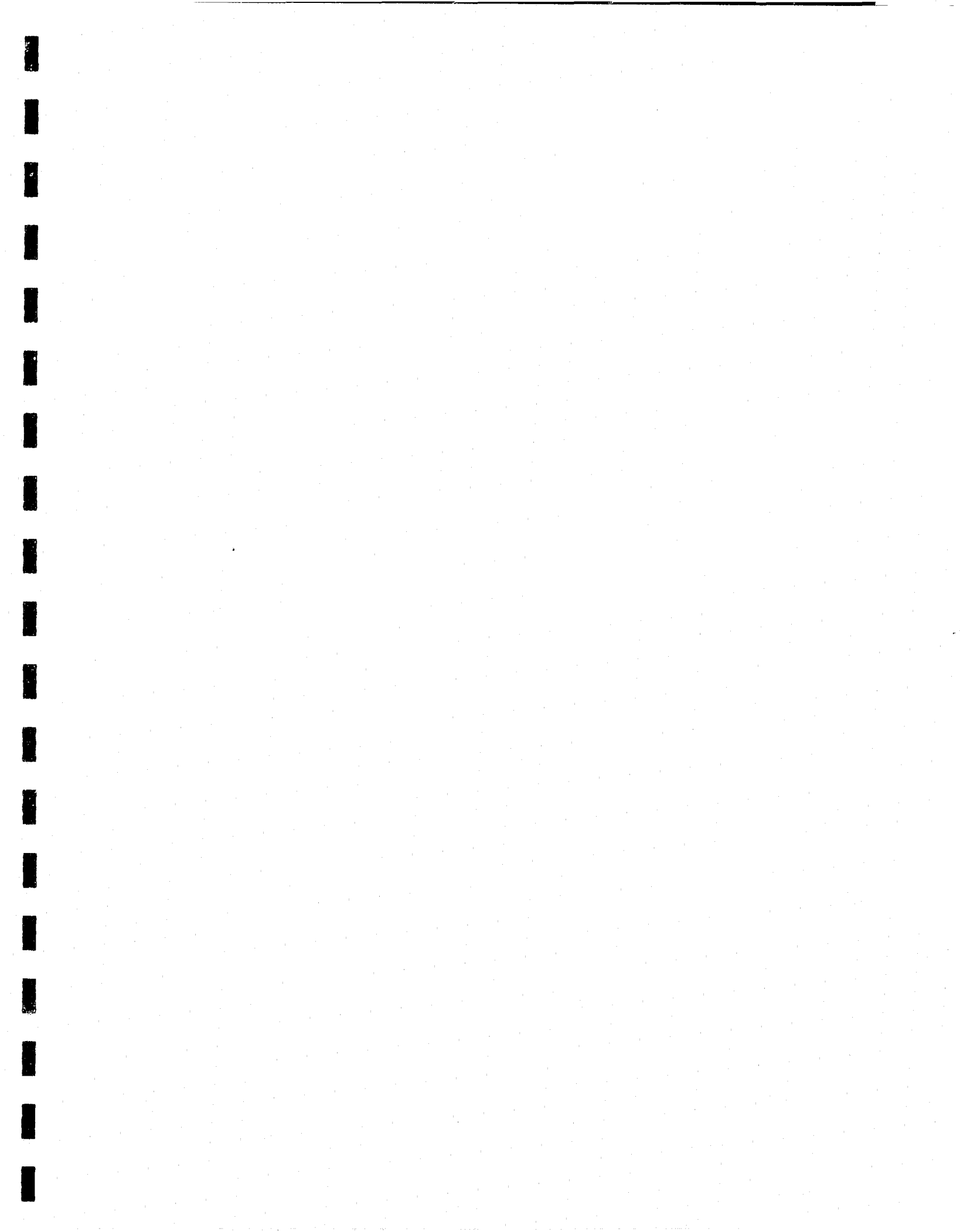
1.1.2 Law Enforcement Survey

An invitation was extended by the Aerospace Corporation to members of the law enforcement agencies in the test area to attend a presentation of the CSS. Two questionnaires were distributed to the attendees. One of these was an attitudinal questionnaire calling for a response on a Likert-type scale. The other consisted of semi-open-ended procedural questions. On the first of these, anonymity was preserved, while the officers were requested on the second to identify how they could be contacted.

As Table 1-22 illustrates, law enforcement officers were generally in favor of the CSS. Attitudes toward the trucking company employees were not nearly so positive. Two schools of thought appeared to exist on the best reporting procedure for CSS. The group that had been involved in central reporting procedures favored that approach, while the remaining group preferred reporting in the jurisdiction of the incident. Table 1-23 summarizes the responses to these open-ended questions.

N	PLEASE PLACE AN "X" IN THE BOX WHICH MOST NEARLY EXPRESSES YOUR OPINION.	PERCENTAGES				
		STRONGLY AGREE	AGREE	UNDECIDED	DISAGREE	STRONGLY DISAGREE
30	CSS will reduce trucking company losses.	26.67	70.00	0.00	0.00	3.33
30	CSS will facilitate investigating trucking company losses.	30.00	63.33	6.67	0.00	0.00
30	Trucking company dispatchers are reliable and honest.	3.33	16.67	70.00	6.67	3.33
30	Truck drivers are honest.	0.00	10.00	63.33	23.33	3.33
30	Trucking company dispatchers will report very few false alarm.	0.00	20.00	46.67	30.00	3.33
30	CSS will generate useful information to locate a stolen truck or a theft in process.	13.33	76.67	6.67	0.00	3.33
30	CSS information will enable me to respond more rapidly to truck theft.	23.33	56.67	16.67	0.00	3.33
30	The dispatcher should notify the jurisdiction in which an incident occurs.	63.33	30.00	6.67	0.00	0.00
30	The dispatcher should have a central point of contact to report an incident to law enforcement.	10.00	23.33	26.67	23.33	16.67
30	CSS is a good idea.	43.33	43.33	10.00	0.00	3.33

Table 1-22. Pretest Law Enforcement Survey



JURISDICTION	RESPOND TO TRUCK HIJACK?	HIJACK/ GRAND LARCENY FREQUENCY	CARGO THEFT- MAJOR PROBLEM?	POINT OF CONTACT ALARM REPORTS	ACCEPTABLE FALSE ALARM RATE	DESIRED LOCATION ACCURACY	MAXIMUM TOLERATED LOCATION ERROR
Torrance	YES	RARE	NO	CENTRAL	75%	r = 200 ft. (industrial)	r = .25-.5 mi. (vehicle marked with ID)
Manhattan Beach	NO	RARE	NO	CENTRAL	30-40/25%	r = 600 ft.	r = 1000 ft.
El Segundo	NO	INFREQUENT	NO	CENTRAL	3%	r = 300 ft.	r = 300 ft.
Redondo Beach	NO	INFREQUENT	NO	CENTRAL	5%	r = 600 ft.	r = 1000 ft.
Gardena	YES	INFREQUENT	NO	CENTRAL	--	r = 1 city block	r = 2 blocks
LA Sheriff (Robbery Detail)	YES	INFREQUENT	YES	CENTRAL	70%	r = 1/2-1 mi.	r = 2 mi. day (w/chopper) r = 3-4 blocks - night
Palos Verdes Estates	NO	RARE	NO	CENTRAL	50%		.5 mi. sq. (residential) 2 sq. blocks (industrial)
Long Beach	YES	INFREQUENT	?	CENTRAL	75%	r = 600 ft.	r = 1200 ft.
Highway Patrol	YES	FREQUENT	YES	SPECIFIC/ MV CENTRAL	10-15%	?	r = 300 ft.
Los Angeles	YES	FREQUENT	YES	SPECIFIC	5% (95%)	r = 300 yds	r = 600 yds (chopper: sq. mi.)
FBI	YES	FREQUENT	YES	SPECIFIC	--	-	-
Buena Park	YES	INFREQUENT	NO	SPECIFIC	20%	r = 2 sq. blocks	r = 2 mi.
Compton	YES	INFREQUENT	NO	SPECIFIC	<50%	r = 600 ft.	r = 1 block
Vernon	YES	INFREQUENT	YES	SPECIFIC	--	r = 1 block	r = 2 block radius (industrial) r = 1/2 mi. (non-industrial)
Montebello	YES	FREQUENT	NO	SPECIFIC	5% < 10%	r = 1 block	r = 2 blocks
Inglewood	YES	INFREQUENT	?	SPECIFIC	10%	r = 1/2 block	r = 1 block
Bell Gardens	YES	RARE	NO	SPECIFIC	--	r = 1 block	r = 2-3 blocks
Bell Gardens (Central County Burglary Team)	YES	FREQUENT	NO	SPECIFIC	50%	-	r = 600 ft.
LA Sheriff (Lakewood)	YES	FREQUENT	YES	SPECIFIC	90%	r = 600 ft.	6 sq. blocks
LA Sheriff (E LA)	YES	INFREQUENT	YES	SPECIFIC	1/yr	Very High Accuracy	?
South Gate	NO	INFREQUENT	YES	SPECIFIC	5%	r = 2 blocks	?

Table 1-23. Results of Law Enforcement Survey (17 May 1977)

2. HISTORICAL DATA

Data was collected for the Cargo Security System Program from February 1977 through June 1978. Historical data prior to this period was obtained whenever possible.

The purpose of this preliminary information-gathering was to establish a data base against which the performance of the Cargo Security System could be evaluated. Cancellation of the test has left little more than a list of numbers which illustrate the monthly fluctuations of individual trucking companies.

Data on manhours, revenue, weight hauled, and cargo exposure time were gathered on a monthly basis. The figures for G.I. and Transcon were painstakingly divided into CSS and non-CSS by ascertaining which trucks were equipped with the system, and adding their individual measurements together. These CSS totals were then subtracted from the terminal totals. The figures for Brake-Meier, the control, were not subdivided. (IML, a late entry into the program, was the second control. It never made more than a perfunctory attempt to provide the necessary information and was finally released from the program. System 99, its replacement, had just started producing data when the test was cancelled.)

When JHW received the contract, we were told the necessary data was readily available. This was not the case. It was necessary, therefore, to develop forms which could be used to calculate the required information. These forms, and the data collected from them, are contained in Appendix A. The data -- losses sorted by date, weight, manhours, and exposure time -- is presented in list form.

In addition to collecting data, JHW representatives supported the program by attending meetings pertinent to the CSS project. These included gatherings of the American Trucking Association Security Council, and the Los Angeles-Long Beach Model Cities Campaign. A speech on the system was given at the 24th Annual American Society for Industrial Security conference, September 1978.

3. SPECIAL SOFTWARE

At the conclusion of the CSS program, a system of special purpose computer programs were being developed on a PDP 11 computer for processing the loss related data being collected. The following is a brief description of the function of each of these programs:

Program CHECK

This program generates a random access disk file containing loss data which has been codified and validated to make it suitable for further processing.

Program SORT

Program SORT will produce a sort on any set of numeric fields of the random access data file produced by CHECK. The result of the sort is a file of indices identifying the order in which the random access file must be accessed in order to produce the desired ordering. The primary function of this routine is to order the loss data by loss date.

Program TABLES

There are two types of functions performed by program TABLES: (1) the production of a decoded table of all losses for a trucking company in a designated order and (2) the development of loss statistics by designated loss epoch. The loss statistics may, optionally, be written to a file for subsequent analysis.

Program STATS

STATS combines loss statistics with production, labor and revenue statistics to produce data items required for the loss and cost evaluation objectives of the research design.

Other programs being developed for the CSS program are as follows:

Program MAGIC

This program develops a listing of the CSS history tape after it has been dumped on a CDC computer to a file, the file copied to a PDP-11 disk file and the dump heading data eliminated.

Subroutine MEDTST

This routine implements the median test for comparing two groups.

Subroutine EXTMDN

This routine implements the extended median test for comparing n groups.

Program WALLIS

This program performs a Kruskal-Wallis one-way analysis of variance by ranks.

Program EXTRM

This program implements the Moses Test of extreme reactions.

The program listings are in Appendix A.

Table 3-1. Programs for 1295

REQUIREMENTS	PROGRAMS
TEST FOR BINOMIAL p	BINØM SUBROUTINE FROM UNIVAC STAT-PACK
TEST FOR POISSON λ	PØISØN SUBROUTINE FROM UNIVAC STAT-PACK
χ^2 FOR PROPORTIONS	CHI21S UNIVAC STAT-PACK CHI2JS UNIVAC STAT-PACK CHI2P UNIVAC STAT-PACK CHI2N UNIVAC STAT-PACK CHISAM UNIVAC STAT-PACK CHICNT UNIVAC STAT-PACK GENGØF UNIVAC STAT-PACK CDTR IBM SSP CHISQ IBM SSP
CORRELATION & REGRESSION	REGRET
t-TEST F-TEST	UCLA BIOMED BMDX70 PROGRAM
MEDIAN TEST EXTENDED MEDIAN TEST	MDTST, EXTMDN
WILCOXON	SUBROUTINE FROM IBM SSP
RANK CORRELATION	PROGRAM USING SPRANK SUBROUTINE FROM IBM SSP
KOLMOGOROV-SIMRNØV	PROGRAM USING KØLMØ, KØLM2, AND SMIRN SUBROUTINES FROM IBM SSP
KRUSKAL-WALLIS	WALLIS
FRIEDMAN TWO-WAY ANALYSIS OF VARIANCE BY RANK	PROGRAM USING TWOAV SUBROUTINE FROM IBM SSP
ANOVA (ANALYSIS OF VARIANCE)	PROGRAM USING AVDAT, AVCAL, MEANQ SUBROUTINES FROM IBM SSP
MANN-WHITNEY-U-TEST	PROGRAM USING UTEST SUBROUTINE FROM IBM SSP
MØSCS TEST OF EXTREME REACTIONS	EXTRM
DATA TYPE REDUCTION	MAGIC
LOSS DATA PROCESSING	CHECK, SORT, TABLES, STATS

SPECIAL PROGRAM
LISTINGS AND LOG TAPE ANALYSIS

PROGRAM CHECK

LOGICAL ERR, NEW

C*** INPUT SEQUENTIAL FILE. CHECK DATA. PRINT ERRORS.

INTEGER FILENM, FILERD

C OUTPUT 'CLEAN DATA' TO RANDOM FILE.

C DIMENSION FBILL(3), DTLB8(3), PLACE(4), CAT(3), DTCLM(3),

1 DTPAD(3), DTRCV(3), CAUSE(3), FLDIN(34), FILENM(20), FILERD(20),

2 FOUT(20), TRK(200), RTE(200)

C EQUIVALENCE (FLDIN(1), FBILL(1)), (FLDIN(4), CO),

1 (FLDIN(5), DTLB8(1)), (FLDIN(8), CDICC),

2 (FLDIN(9), ROUTE), (FLDIN(10), TRUCK),

3 (FLDIN(11), PLACE(1)), (FLDIN(15), CAT(1)),

4 (FLDIN(18), DTCLM(1)), (FLDIN(21), CLAIM),

5 (FLDIN(22), DTPAD(1)), (FLDIN(25), PAED),

6 (FLDIN(26), DTRCV(1)), (FLDIN(29), RCVR),

7 (FLDIN(30), SHIP), (FLDIN(31), CAUSE(1))

C DATA BLANK /

501 FORMAT(2A4,A1,F1.0,3F2.0,F4.0,A3,A4,7A1,3(3F2.0,F6.0),F6.0,4A1)

602 FORMAT(1X,2A4,A1,1X,F1.0,1X,3F2.0,1X,F4.0,1X,A3,1X,A4,1X,2X,4F1.0,

1 2X,3F1.0,3(1X,3F2.0,F6.0),1X,F6.0,1X,4F1.0)

603 FORMAT(/7X,'BLANK PRO NUMBER')

604 FORMAT(/7X,'WRONG COMPANY NUMBER')

605 FORMAT(/7X,'BAD DATE')

606 FORMAT(/7X,'BAD LOSS LOCATION')

607 FORMAT(/7X,'BAD LOSS CATEGORY')

608 FORMAT(17X,'BAD LOSS CAUSE')

609 FORMAT(15X,'THIS CARD CONTAINS THE ABOVE ERROR(S)')

502 FORMAT(L1,I9,F10.0)

610 FORMAT(/5X,'FILE',I5,' FULL.'/5X,'LAST INPUT RCRD PROCESSED WAS')

611 FORMAT(/5X,'I/O ERROR-FILE',I10,' RECORD',I10)

612 FORMAT(/10X,'FILE',20A2,' CONTAINS',I10,' RECORDS',/

1 ' AND HAS A CAPACITY OF',I10,' RECORDS')

C*** INITIALIZATION

503 FORMAT(20A2)

504 FORMAT(1X,A4)

505 FORMAT(1X,A3)

506 FORMAT(2I5)

613 FORMAT(/5X,'TRUCK & ROUTE LIST ON FILE# ',20A2)

614 FORMAT(/7X,'PAD TRUCK NO.')

615 FORMAT(/7X,'BAD ROUTE NO.')

616 FORMAT(/7X,'CLAIM-PAYMENT MISMATCH')

617 FORMAT(/7X,'CLAIM-SHIPMENT MISMATCH')

NN=1

READ(3,502) NEW,LENGTH,COMP

CRANDOM FILE TO BE LUN=1

LUN=1

READ(5,503) FILERD

CALL ASSIGN(LUN1,FILERD)

DEFINE FILE 1(LENGTH,40,U,NRC1)

IF(NFW) GO TO 50

READ(1'LENGTH,ERR=400) NR

READ(1'1,ERR=400) FILENM

NRC1 = NR + 1

60 CONTINUE
WRITE(6,613) FILENM
CALL ASSIGN(2,FILENM)
READ(2,506) NTRK,NRT
IF(NTRK.GT.200.OR.NRT.GT.200) STOP '2HUCH'
READ(2,504) (TRK(I),I=1,NTRK)
READ(2,505) (RTE(I),I=1,NRT)

100 CONTINUE
DO 105 I=1,34
FLDIN(I)=BLANK

105 CONTINUE
READ(5,501,END=7000) FLDIN
ERR=.FALSE.
DO 110 I=1,3
IF(FILL(I).NE.BLANK) GO TO 115
CONTINUE

ERR=.TRUE.
WRITE(6,603)

115 CONTINUE
IF(CO.EQ.COMP) GO TO 120
ERR=.TRUE.
WRITE(6,604)

120 CONTINUE
DO 125 I=1,3
IF(DTL88(I).NE.0.0) GO TO 125
ERR=.TRUE.
WRITE(6,605)

C** PATCH SYMBOLS TO BINARY CODE

DO 130 I=1,17
IF(FLDIN(I).NE.BLANK) FLDIN(I)=1.0
IF(FLDIN(I).EQ.BLANK) FLDIN(I)=0.0

130 CONTINUE
DO 135 I=1,35
IF(FLDIN(I).NE.BLANK) FLDIN(I)=1.0
IF(FLDIN(I).EQ.BLANK) FLDIN(I)=0.0

135 CONTINUE
X=PLACE(1)+PLACE(2)+PLACE(3)+PLACE(4)
IF(X.EQ.1.0) GO TO 140
ERR=.TRUE.
WRITE(6,606)

140 CONTINUE
X=CAT(1)+CAT(2)+CAT(3)
IF(X.EQ.1.0) GO TO 145
ERR=.TRUE.
WRITE(6,607)

145 CONTINUE
IF(CLAIM.LE.SHIP) GO TO 148
ERR=.TRUE.
WRITE(6,617)

148 CONTINUE
X=CAUSE(1)+CAUSE(2)+CAUSE(3)+CAUSE(4)
IF(X.EQ.1.0) GO TO 150
ERR=.TRUE.
WRITE(6,608)

150 CONTINUE
IF(PAID.LE.CLAIM) GO TO 153
ERR=.TRUE.
WRITE(6,616)

153 CONTINUE
DO 155 I=1,NTRK
IF(TRUCK.NE.THK(I)) GO TO 155

```

ERR = .TRUE.
160 CONTINUE
DO 165 I = 1,NRT
    IF(ROUTE,NE,RTE(I)) GO TO 165
ROUTE = I
GO TO 170
65 CONTINUE
ERR = .TRUE.
WRITE(6,615)
0 CONTINUE
CALL DATE(DTL88,AUM)
CALL DATE(DTCLH,BUM)
CALL DATE(DTPAD,CUM)
    IF(AUM.LE,BUM,AND,BUM.LE,CUM) GO TO 173
ERR = .TRUE.
WRITE(6,605)
WRITE(6,999) AUM,BUM,CUM.
999 FORMAT(3F15.2)
173 CONTINUE
IF(ERR) GO TO 1000
C** NO INDIVIDUAL ERRORS
DO 175 I = 1,4
FOUT(I) = PLDIN(I)
CONTINUE
FOUT(5) = AUM
DO 180 I = 6,8
FOUT(I) = PLDIN(I+2)
CONTINUE
FOUT(9) = PLACE(1) + 1.*PLACE(2) + 2.*PLACE(3) + 3.*PLACE(4)
FOUT(10) = CAT(1) + 2.*CAT(2) + 3.*CAT(3)
FOUT(11) = BUM
FOUT(12) = CLAIM
FOUT(13) = CUM
FOUT(14) = PAID
CALL DATE(DTRCV,FOUT(15))
FOUT(16) = RCVR
FOUT(17) = SHIP
FOUT(18) = CAUSE(4) + 2.*CAUSE(3) + 3.*CAUSE(1) + 4.*CAUSE(2)
GO TO 200
1000 CONTINUE
WRITE(6,809)
WRITE(6,802) PLDIN
GO TO 100
200 CONTINUE
WRITE(LUNI,NRCI,ERR=400) FOUT
IF(NRCI.LI.LENGTH) GO TO 100
WRITE(6,610) LUNI
WRITE(6,602) PLDIN
400 WRITE(6,611) LUNI,NRCI
STOP 'RANDOM FILE FULL'
STOP 'I/O ERROR -- RANDOM FILE'
7000 CONTINUE
NR = NRCI + 2
WRITE(6,612) FILERO, NR,LENGTH
NRCI = LENGTH
WRITE(LUNI,NRCI,ERR=400) NR
STOP '...SOF'
END
SUBROUTINE DATE(ATE,DTE)
CONVERSION FROM MONTH,DAY,YEAR TO DAYS SINCE 1/1/75
DIMENSION ATE(1)
REAL MONTH(12)
DATA MONTH/31., 59., 90., 120., 151., 181.,
212., 243., 273., 304., 334., 365./

```

ATE
= 0
IF(IM.GT.1) XP = MONTH(IM-1)
DTE = ATE(2) + XM + 365.*(ATE(3)-75.0)
RETURN
END

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QGRAF SORT

BORT DRIVER

C
 C NPLD=NO. OF SORT FIELDS
 C KORDR = 0 RANDOM ORDER, =1 PRESORTED ORDER
 C LENGTH = RANDOM FILE LENGTH
 C ILLERD = RANDOM FILE NAME
 C JPLD = FIELD(S) TO BE SORTED
 C FILSRT = FILE (SEQ) WITH ORDER RESULTING FROM SORT
 C FILESO = FILE (SEQ) WITH PREVIOUS SORT ORDER
 C INTEGER FILERD, FILESO, FILSRT
 C LOGICAL*1 FIRST

DIMENSION JPLD(20), FILERD(20), ORDER(2,2), FILESO(20),
 1 FILSRT(20), DUM(20), INDEX(4000)
 COMMON /HRR/ WORK(4000)

C DATA ORDER/' RA','NOO',' PRE','SORT'/

C
 501 FORMAT(1618)
 502 FORMAT(20A2)
 601 FORMAT(1H1,' FIELDS TO BE SORTED ARE- '/ (2(5X,51S)/))
 602 FORMAT(5X,'FROM FILE ',20A2)
 603 FORMAT(5X,'INITIAL ORDER OF DATA IS ',2A4)
 604 FORMAT(5X,'SORT SEQUENCE ON FILE ',20A2)
 605 FORMAT(5X,'INITIAL DATA ORDER DEFINED BY FILE ',20A2)
 606 FORMAT(5X,'...SORT COMPLETE')
 607 FORMAT(//5X,'I/O ERROR')

C
 C
 C
 READ(5,501) NPLD, KORDR, LENGTH
 READ(5,501) (JPLD(I),I=1,NPLD)
 READ(5,502) FILERD
 WRITE(6,601) (JPLD(I),I=1,NPLD)
 WRITE(6,602) FILERD

K = KORDR+1
 WRITE(6,603)(ORDER(I,K),I=1,2)

C LOGICAL 1 IS RANDOM FILE.....

CALL ASSIGN(1,FILERD)
 DEFINE FILE 1(LENGTH,40,U,NRCI)
 NRCI = LENGTH
 FIND(1,NRCI)

READ(5,502) FILSRT
 WRITE(6,604) FILSRT
 IF(KORDR.LT.1) GO TO 100
 READ(5,502) FILESO
 WRITE(6,605) FILESO

100 CONTINUE
 READ(1,NRCI,FRR=1000) NR
 NRCI = 2

IF(KORDR.LT.1) GO TO 200

C LOGICAL 11 IS PREVIOUS ORDER OF FILE.....

C*** READ INITIAL SEQUENCE
 CALL ASSIGN(11,FILESO)
 READ(11)(INDEX(JJ),JJ = 1,NR)
 FIRST = .FALSE.

C***** INITIAL SORT

```

NI = NI - 1
DO 0 JJ = 1, NR
NRCI = INDEX(JJ)
FIND(1'NRCI)
READ(1'NRCI, ERR=1000) (DUM(I), I=1, NI), WORK(JJ)
0 CONTINUE
GO TO 140

120 CONTINUE
DO 130 JJ = 1, NR
NRCI = INDEX(JJ)
FIND(1'NRCI)
READ(1'NRCI, ERR=1000) WORK(JJ)
130 CONTINUE
140 CONTINUE
GO TO 200

200 CONTINUE
C***** SORT ON FIRST FIELD OF RECORD
      = FLD(1)
FIRST = .TRUE.
IF(NI.EQ.1) GO TO 305
NI = NI - 1
DO 300 JJ = 1, NR
READ(1'NRCI, ERR=1000) (DUM(I), I=1, NI), WORK(JJ)
00 CONTINUE
GO TO 400

305 DO 310 JJ = 1, NR
READ(1'NRCI, ERR=1000) WORK(JJ)
310 CONTINUE
C
400 CONTINUE
CALL SORTAC(INDEX, NR, FIRST)
IF(NFLD.EQ.1) GO TO 950
C
FIRST = .FALSE.
DO 900 IS = 2, NFLD
NI = JFLD(IS)
IF(NI.EQ.1) GO TO 720
NI = NI - 1
DO 710 JJ = 1, NR
NRCI = INDEX(JJ)
FIND(1'NRCI)
READ(1'NRCI, ERR=1000) (DUM(I), I=1, NI), WORK(JJ)
710 CONTINUE
GO TO 740

720 CONTINUE
DO 730 JJ = 1, NR
NRCI = INDEX(JJ)
FIND(1'NRCI)
READ(1'NRCI, ERR=1000) WORK(JJ)
730 CONTINUE
C
740 CONTINUE
CALL SORTAC(INDEX, NR, FIRST)
900 CONTINUE
C
950 CONTINUE
WRITE(6, 606) NR, (INDEX(I), I=1, NR)
606 FORMAT(1X, 'NO. INDICES=', I10 /
1 (10I10))
C** LOGICAL 2 CONTAINS RESULTS OF SORT.....
CALL ASSIGN(2, FILSRT)
WRITE(2)(INDEX(I), I = 1, NR)
END FILE 2
WRITE(6, 606)

```

STOP '..FIN'

END
SUBROUTINE SORTAC(INDEX,NL,FIRST)

C *
C * FIELD = REAL FIELD TO BE SORTED
C * IFLD = INTEGER DOUBLE FIELD TO BE SORTED
C * INDEX = ARRAY OF INDICES IN SORTED ARRAY
C * NL = LENGTH OF ARRAY TO BE SORTED
C * FIRST = .TRUE. FOR FIRST SORT
C * = .FALSE. OTHERWISE
C *
C **** ROUTINE SORTS FIELD INTO ASCENDING ORDER
C **** ARRAY INDEX CONTAINS ORDERED INDICES OF FIELD
C **** THUS, INDEX(1) = INDEX OF INPUT ELEMENT OF ARRAY FIELD
C **** WITH SMALLEST VALUE
C **** NOTE: SORT DESTROYS ORIGINAL ORDER OF FIELD
C *

DIMENSION INDEX(1)
COMMON /WRR/ FIELD(4000)
LOGICAL*1 FIRST

C
NLL = NL - 1
FL(NOT.FIRST) GO TO 200

C * INITIALIZE
DO 100 I=1,NL
INDEX(I) = I-1

100 CONTINUE
200 CONTINUE

DO 300 I = 1, NLL
IC = 0
M = NL - I
DO 250 J = 1, M
IF(FIELD(J).LE.FIELD(J+1)) GO TO 250
UM = FIELD(J)
FIELD(J) = FIELD(J+1)
FIELD(J+1) = UM
IN = INDEX(J)
INDEX(J) = INDEX(J+1)
INDEX(J+1) = IN

C = 1
250 CONTINUE
IF(IC.EQ.0) RETURN
300 CONTINUE
RETURN
END


```

TO
300 CONTINUE
IDL = 70 + (IC/10)*100 - (ID/10)*10 + ID
MO = IDL/100
IY = IDL - 100*MO
IDL = 100*IY + MO
MO = IDS/100
IY = IDS - 100*MO
IDS = 100*IY + MO
WRITE(6,610)
610 FORMAT(1H1, ' DATE', 5X, 'NO. OF CLAIMS', 5X,
' NO. OF CLAIMS/HOUR OF EXPOSURE'//
2 ' NO. OF CLAIMS/HOUR OF EXPOSURE',
3 ' --- BY CATEGORY, BY LOCATION'//
' CLAIM(3) PER (EXP HOUR X REV 3)',
5 5X, 'CLAIM(3)/EXP HOUR', 5X, 'TOTAL CLAIM 3'//
6 ' CLAIM(3)/EXP HR X REV 3) BY CATEGORY'//
7 ' CLAIM(3)/(EXP HR X REV 3) BY LOCATION'//
8 ' TOTAL LOSS TO SHIPMENT RATIO', 5X,
9 ' TOTAL LOSS TO SHIPMENT RATIO PER EXP HOUR'//)
CONTINUE
READ(4,522,END=400) CMPNY, IDUM, (NCLAIM(I), I=1,5),
1 (CLAIM(I), I=1,5), (PASHIP(I), I=1,5),
(NTHFT(I), I=1,5), (THEFT(I), I=1,5), (TNSHHP(I), I=1,5),
3 ((LDCAT(K, I, 1), I=1,5), K=1,3),
4 ((LDCAT(K, I, 2), I=1,5), K=1,3),
(LDLOC(K, I, 1), I=1,5), K=1,3),
6 ((LDLOC(K, I, 2), I=1,5), K=1,3)
MO = IDUM/100
IY = IDUM - 100*MO
IDUM = 100*IY + MO
IF(IDUM.GT.IDL) GO TO 400
F(IDUM.LT.IDS) GO TO 350
CLAIM(5) = CLAIM(5)*NCLAIM(5)
PASHIP(5) = PASHIP(5)*NCLAIM(5)
DO 310 K = 1,3
LDCAT(K, 1, 1) = LDCAT(K, 5, 1)/EXPOS(IL)
LDCAT(K, 1, 2) = LDCAT(K, 5, 2)/EXPOS(IL)/REV(IL)
LDLOC(K, 1, 1) = LDLOC(K, 5, 1)/EXPOS(IL)
LDLOC(K, 1, 2) = LDLOC(K, 5, 2)/EXPOS(IL)/REV(IL)
310 CONTINUE
NCLAIM(1) = NCLAIM(5)/EXPOS(IL)
PASHIP(4) = PASHIP(5)/EXPOS(IL)
CLAIM(4) = CLAIM(5)/EXPOS(IL)
CLAIM(3) = CLAIM(4)/REV(IL)
WRITE(6,611) IDUM, NCLAIM(5), NCLAIM(1),
1 (LDCAT(K, 1, 1), K=1,3), (LDLOC(K, 1, 1), K=1,3),
2 (CLAIM(J), J=3,5), (LDCAT(K, 1, 2), K=1,3),
3 (LDLOC(K, 1, 2), K=1,3), PASHIP(5), PASHIP(4)
611 FORMAT(15, 2G20.8/6G20.8/3G20.8/6G20.8/2G20.8/)
2 FORMAT(/// ' THAT IS ALL FOLKS', 3I10)
IL = IL + 1
GO TO 350
400 CONTINUE
WRITE(6,612) IDUM, IDS, IDL
STOP 'FIN'
END

```

PROGRAM TABLES

- C FILE ASSIGNMENTS.....
- C 1 RANDOM ACCESS FILE WITH LOSS DATA
- C 2 TRUCK AND ROUTE LISTS FOR CO BEING ANALYZED
- C 3 SORT ORDER...IF NOT BY LOSS DATE ONLY TABLES MAY BE RUN
- C STATISTICS REQUIRES ORDER BY LOSS DATE
- C 4 STATISTICAL RESULTS FOR FURTHER ANALYSIS
- C 5 INPUT CONTROL INFORMATION
- C 6 TABLE OUTPUT
- C 7 STATISTICAL PRINT OUT

COMMON /CALNDR/MONTH(12)

LOGICAL*1 ICCLBL, PRINT, RAW,CBS,FIRM, ABTRSK,BLANK,SYMBOL

DIMENSION ICCLBL(10,63), HCODE(63), ROUTE(34,2), TRUCK(90,2),

1 FILERD(20), FILESO(20), RECORD(20), LSCAT(0,3),

2 FIRM(10,4), IPDAT(2,4), LOCAT(9,4), LSCB(0,4),

3 IOD(9), SYMBOL(2), FILENM(20), IOT(8)

INTEGER*2 FILERD, FILESO, FILENM

REAL NCLAIM, LDCAS,LDLOC,LDCAT,NRCVR, NTHFT

LOGICAL*1 STSOUT, LOCAT, LSCB,LSCAT, IOD, IOT,CPIF

EQUIVALENCE (IPDAT(1,1),LDAT(1)), (IPDAT(1,2),ICDAT(1)),

1 (IPDAT(1,3),IPDIT(1)), (IPDAT(1,4),IRDAT(1))

DIMENSION NCLAIM(5,2), NTHFT(5,2), CLAIM(9,2,2),

1 THEFT(5,2,2), PAID(5,2,2), PASHIP(5,2,2),

2 NRCVR(5,2), RVRCHN(5,2), RVRCHD(5,2),

3 FILAG(5,2,2), PALAG(5,2,2), LDCAT(3,5,2,2),

4 LDLOC(4,5,2,2), LDCAS(4,5,2,2), THFSHP(5,2,2)

DIMENSION NUMBER(10,2), TRK(200), RTE(200), INDEX(1000)

DIMENSION LDAT(2), CPI(54), MOYRCP(54), ICOAT(2), IPDIT(2)

DIMENSION IRDAT(2), IDEND(2), ISTRT(2)

LOGICAL*1 NUMBER

C***

C*****

DATA MOYRCP/0775, 0875, 0975, 1075, 1175, 1279,

1 0176, 0276, 0376, 0476, 0576, 0676,

2 0776, 0876, 0976, 1076, 1176, 1276,

3 0177, 0277, 0377, 0477, 0577, 0677,

4 0777, 0877, 0977, 1077, 1177, 1277,

5 0178, 0278, 0378, 0478, 0578, 0678,

6 0778, 0878, 0978, 1078, 1178, 1278,

7 0179, 0279, 0379, 0479, 0579, 0679,

8 0779, 0879, 0979, 1079, 1179, 1279/

DATA CPI/ 162.3, 162.8, 163.6, 164.6, 165.8, 166.3,

1 166.7, 167.1, 167.5, 168.2, 169.2, 170.1,

2 171.1, 171.9, 172.6, 173.3, 173.8, 174.3,

3 175.3, 177.1, 178.2, 179.6, 180.6, 181.8,

4 182.6, 183.3, 184.0, 184.5, 185.4, 186.1,

5 187.2, 188.4, 189.7, 191.4, 193.3, 195.5,

6 196.7,0.,0.,0.,0.,0.,

7 0.,0.,0.,0.,0.,0.,

8 0.,0.,0.,0.,0.,0./

C***** CPI DAT FROM 7/75 THRU 7/78

C JUNE 78 IS ESTIMATE, JULY 78 FROM CPI HOTLINE

C CPI IS CPI-W

DATA ROUTE/ '125', '134', '129', '124', '126',

1 '141', '132', '111', '117', '131',

2 '112', '122', '135', '110', '118',

3 '133', '121', '120', '107', '108',

4 '119', '123', '127', 10#, '000',

A '14', '20', '21', '22', '26',

'019', '020', '021', '022', '026',


```

FO 5,1 0; 3F1
FORMAT(5,1) PRINT,RAW,CSS,CPI,STSO,CHPNY,LENGTH,DATBGN,DATINC,
DTEST
WRITE(6,621)PRINT,RAW,CSS,CPI,STSO,CHPNY,LENGTH,DATBGN,DATINC,
DTEST
IF(ATSOUT) CALL ASSIGN(4,'DK1STATS.DAT')
CALL DATE(IOD)
CALL TIME(IOT)
READ(5,502) FILERD
WRITE(6,619)FILERD
619 FORMAT(// 'RANDOM INPUT FILE IS ',20A2)
IF(.NOT.RAW) READ(5,502) FILES0
IF(.NOT.RAW) WRITE(6,620)FILES0
620 FORMAT(// 'SCRIPT CDPR FROM FILE ',20A2)

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502 FORMAT(20A2)
C
601 FORMAT(//H1, 'COMPANY = ',10A1,10X,'REPORT GENERATED ',9A1,5X,8A1//
A
1 'RECOVERY',2X,'GOODS',6X,'FREIGHT',1X,'TRUCK',1X,'ROUTE',1X,
2 'LOSS',6X,'LOSS',6X,'LOSS',5X,'AMOUNT',3X,'AMOUNT',2X,
3 'AMOUNT',4X,'AMOUNT',2X,'C',1X,'T',2X,
4 2('DATE',3X),'CLAIM',1X,'DATE',6X,'MISSING',4X,'BILL',4X,
5 2('NO.',3X),'LOCATION',2X,'CATEGORY',2X,'CAUSE',4X,'CLAIMED',
2X,'PAID',4X,'RECOVERED',1X,'SHIPPED',1S,'S',16X,'PAID',
7 107X,'S T')

```

```

602 FORMAT(5X)
603 FORMAT(4(13,14),2X,10A1,1X,2A4,A1,1X,A4,2X,A3,3X,9A1,1X,8A1,
1 2X,8A1,F7.0,F9.0,F8.0,F10.0,2X,A1,1X,A1)
604 FORMAT(//H1, 'COMPANY = ',10A1,5X,'PERIOD',5X,12,14,2X,'TO',2X,12,14,
X,'REPORT GENERATED',1X,9A1,1X,8A1//
2 27X,'CONCSS-- OUTSIDE AREA ',2X,'TEST AREA ',
3 'CSS-- OUTSIDE AREA', 'TEST AREA ',12X,'TOTAL')

```

```

605 FORMAT(1X, 'NUMBER OF CLAIMS',10X,5F18.0)
606 FORMAT(1X, 'NUMBER OF THEFTS',10X,5F18.0/)
607 FORMAT(1X, 'CLAIMS-MEAN VALUE(0)',6X,5F18.0/
8X, 'VARIANCE',11X,5F18.0/)
608 FORMAT(1X, 'THEFTS-MEAN VALUE(0)',7X,5F18.0/
1 8X, 'VARIANCE',12X,5F18.0/)
609 FORMAT(1X, 'LOSS/SHIPMENT-MEAN VALUE',10X,F10.4,4F18.4/
1 15X, 'VARIANCE',12X,F10.4,4F18.4/)

```

```

C
610 FORMAT(1X, 'THEFT/SHIPMENT-MEAN VALUE', 9X,F10.4,4F18.4/
1 16X, 'VARIANCE',11X,F10.4,4F18.4/)
611 FORMAT(1X, 'NUMBER OF RECOVERIES',14X,F10.0,4F18.0/)
612 FORMAT(1X, 'NO. RECOVERIES, NO. CLAIMS', 8X,F10.4,4F18.4/)
613 FORMAT(1X, '(9) RECOVERED: (9) CLAIMED', 8X,F10.4,4F18.4/)
614 FORMAT(1X, 'LAG TIME(LOSS-CLAIM)-MEAN(DAYS)', 3X,F10.0,4F18.0/
1 22X, 'VARIANCE', 5X,F10.0,4F18.0/)
615 FORMAT(1X, 'LAG TIME(CLAIM-PAYMENT)-MEAN(DAYS)', F10.0,4F18.0/
1 25X, 'VARIANCE', 2X,F10.0,4F18.0/)
616 FORMAT((1X, 'LOSS CATEGORY =',10A1/
1 3(3X,8A1,24X,F10.0,4F18.0/)))
617 FORMAT((1X, 'LOSS LOCATION =',10A1/
1 4(3X,9A1,23X,F10.0,4F18.0/)))
618 FORMAT((1X, 'LOSS CAUSE =',10A1/
1 4(3X,8A1,24X,F10.0,4F18.0/)))

```

```

C***
C .... SCALE CPI TO 1/67 = 1.00
NCPI = 37
SCALE = CPI(7)
DO 50 I = 1,NCPI
50 CPI(I) = SCALE/CPI(I)
C

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```

NCCLAIM(5,1) = 0.0
READ(5,500) PRINT,RAW,CSS,CPI,STSO,CHPNY,LENGTH,DATBGN,DATINC,
DTEST
WRITE(6,621)PRINT,RAW,CSS,CPI,STSO,CHPNY,LENGTH,DATBGN,DATINC,
DTEST
IF(ATSOUT) CALL ASSIGN(4,'DK1STATS.DAT')
CALL DATE(IOD)
CALL TIME(IOT)
READ(5,502) FILERD
WRITE(6,619)FILERD
619 FORMAT(// 'RANDOM INPUT FILE IS ',20A2)
IF(.NOT.RAW) READ(5,502) FILES0
IF(.NOT.RAW) WRITE(6,620)FILES0
620 FORMAT(// 'SCRIPT CDPR FROM FILE ',20A2)

```

```

C
***** DEFINE INPUT FILES
CALL ASSIGN(1,FILERD)
IF(.NOT.RAW) CALL ASSIGN(3,FILESO)
DEFINE FILE 1 (LENGTH,40,U,NRCI)
  READ(1'1,ERR=9000) FILENM
  CALL ASSIGN(2,FILENM)
  READ(2,503) NTRK,NRT
  READ(2,504)(TRK(I),I=1,NTRK)
  READ(2,505)(RTE(I),I=1,NRT)
903  FORMAT(2I5)
904  FORMAT(1X,A4)
905  FORMAT(1X,A9)
C
  IF(C88) GO TO 700
***** NOT YET C88 CLASSIFIED
  NRCI = LENGTH
  READ(1'NRCI,ERR=9000) NR
  IF(.NOT.RAW) READ(3) (INDEX(I),I=1,NR)
  DO 400 IR = 1,NR
  NRCI = IR + 1
  IF(.NOT.RAW) NRCI = INDEX(IR)
  READ(1'NRCI,ERR=9000) RECORD
  IF(CMPNY-RECORD(4).GT.0.5) GO TO 9100
  IF(RECORD(4)-CMPNY.GT.0.5) GO TO 9100
  IC = CMPNY
  RECORD(19) = 0.0
  IF(IC.GT.2) GO TO 230
916  CONTINUE
  IF(RECORD(9).LT.DITEST) GO TO 230
  IDH = RECORD(8)
  DUM = TRK(IDH)
  IM = 50
  DO 220 I = 1, IM
  IF(DUM.NE.TRUCK(I,IC)) GO TO 220
  RECORD(19) = 1.0
920  CONTINUE
930  CONTINUE
  RECORD(20) = 0.0
  IM = 34
  IDH = RECORD(9)
  DUM = RTE(IDH)
  DO 240 I = 1, IM
  IF(DUM.NE.ROUTE(I,IC)) GO TO 240
  RECORD(20) = 1.0
  GO TO 250
940  CONTINUE
950  CONTINUE
  NRCI = NRCI + 1
  WRITE(1'NRCI,ERR=9000) RECORD
400  CONTINUE
  CSS = ,TRUE.
  IF(RAW) GO TO 1000
C**
C***
***** START STATISTICAL PROCESSING
700  CONTINUE
  IF(PRINT) GO TO 1000
  REWIND 3
  IC = CMPNY
  ISKIP = 0
  IFLIP = 999
  NRCI = LENGTH

```

C
C

JREC = -1
INITIALIZE INTERVAL COUNT

SDAT = DTRF
FST = SDAT
IF(INCDT.GT.0) GO TO 2740
IY = SDAT/365.
ID = SDAT
D = ID - .365*IY
DO 2730 I = 1,12
IF(ID.GT.MONTH(I)) GO TO 2730
DAT = 1880*I + MONTH(I)
ISAVE = I
GO TO 740

730 CONTINUE
STOP 'ERROR 2730'

2740 CONTINUE
IF(DTRF.GT.RECORD(1)) GO TO 000

740 EDAT = SDAT + DATINC
CONTINUE

DO 900 IREC = 1, NR
NRCI = INDEX(IREC)
IND(1,NRCI)
READ(1,NRCI,ERR=9000) RECORD
IF(CHPNY-RECORD(4).GT.0.5) GO TO 9100
IF(RECORD(4)-CHPNY.GT.0.5) GO TO 9100
IFLIP = IFLIP + 1
ISKIP = ISKIP + 1
FLIP.LH.AQ GO TO 710
IFLIP = 1
ISKIP = 1
WRITE(6,601) (PIRH(I,IC),I=1,10), IOD, IOT

710 CONTINUE
IF(ISKIP.LE.9) GO TO 720
ISKIP = 1
WRITE(6,602)

720 CONTINUE
CALL XMDAYR(RECORD(5),LDAT)
J = 2
DO 750 I = 1,19,2
IF(RECORD(I).LE.0.0) GO TO 745
CALL XMDAYR(RECORD(I),IPDAT(1,J))
J = J+1
GO TO 750

745 CONTINUE
IPDAT(1,J) = 0.
IPDAT(2,J) = 0.
J = J+1

750 CONTINUE
ICCD = RECORD(6)
DO 755 I = 1,63
IF(ICCD.NE.NCODE(I)) GO TO 755
ICCD = I
GO TO 760

755 CONTINUE
ICCD = 63

760 CONTINUE
SYMBOL(1) = BLANK
SYMBOL(2) = BLANK
D 19).NE.0.0) SYMBOL(1) = ASTRSK

I RFC(10)
IA = RFCORD(10)
IDM = RECORD(8)
DUM1 = TRK(IDM)
IDM = RECORD(7)
DUM2 = RTE(IDM)

C*** SCALE FOR CPI

IF(.NOT.CPIF) GO TO 2760
IDUM = LDAT(2) = 100*(LDAT(2)/100)
IDUM = 100*LDAT(1) + IDUM
DO 2755 I = 1,NCPI
IF(IDUM.NE.MOYRCP(I)) GO TO 2755
RECORD(12) = CPI(I)*RECORD(12)
RECORD(14) = CPI(I)*RECORD(14)
RECORD(16) = CPI(I)*RECORD(16)
RECORD(17) = CPI(I)*RECORD(17)
GO TO 2760

CONTINUE

STOP 'LS DATE OUT OF RANGE'

2760 WRITE(6,603) LDAT, ICDAT, IPOTT, IRDAT,
(ICCLBL(I,ICCD),I=1,10), (RECORD(I),I=1,3),
2 DUM1, DUM2, (LOCAT(I,IS),I=1,9),
3 (LSCAT(I,IS),I=1,8), (LSCS(I,IA),I=1,8),
4 RECORD(12), RECORD(14), RECORD(16), RECORD(17),
8 SYMBOL

N = 1

C

IF(IREC.LE.1) GO TO 773
F(NCLAIM(5,1).LE.0.0) GO TO 770
IF(RECORD(5).LE.EDAT) GO TO 800

C***

FINALIZATION OF STATS

2765 CONTINUE

DO 2780 I = 1,5
NCLAIM(I,2) = NCLAIM(I,2) + NCLAIM(I,1)
NTHFT(I,2) = NTHFT(I,2) + NTHFT(I,1)
NRCVR(I,2) = NRCVR(I,2) + NRCVR(I,1)
RRCMD(I,2) = RRCMD(I,2) + RRCMD(I,1)
DO 2770 K = 1,2
CLAIM(I,K,2) = CLAIM(I,K,2) + CLAIM(I,K,1)
THEFT(I,K,2) = THEFT(I,K,2) + THEFT(I,K,1)
PAID(I,K,2) = PAID(I,K,2) + PAID(I,K,1)
PASHIP(I,K,2) = PASHIP(I,K,2) + PASHIP(I,K,1)
THFSHP(I,K,2) = THFSHP(I,K,2) + THFSHP(I,K,1)
FILAG(I,K,2) = FILAG(I,K,2) + FILAG(I,K,1)
PALAG(I,K,2) = PALAG(I,K,2) + PALAG(I,K,1)

2770 CONTINUE

DO 2775 K = 1,4
DO 2775 J = 1,2
LDCAS(K,I,2,J) = LDCAS(K,I,2,J) + LDCAS(K,I,1,J)
LDLOC(K,I,2,J) = LDLOC(K,I,2,J) + LDLOC(K,I,1,J)
IF(K.EQ.4) GO TO 2775
LDCAT(K,I,2,J) = LDCAT(K,I,2,J) + LDCAT(K,I,1,J)

2775 CONTINUE

2780 CONTINUE

C* PERIOD STATS

C

DO 2795 I = 1,5
XN = NCLAIM(I,1)
IF(XN.LT.1) XN = 1
XD = XN-1

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CLA 1,1  C 1,1  N
XM = NTHFT(I,1)
XDD = XM - 1
IF(XDD.LT.0.) XDD = 1.0
IF(XM.LE.0.0) XM = 1.0
THEFT(I,2,1) = (THEFT(I,2,1) - THEFT(I,1,1)*THEFT(I,1,1)/XM)
/ XDD
THEFT(I,1,1) = THEFT(I,1,1)/XM
AID(I,2,1) = (PAID(I,2,1) - PAID(I,1,1)*PAID(I,1,1)/XM)
/ XD
PAID(I,1,1) = PAID(I,1,1)/XM
PALAG(I,2,1) = (PALAG(I,2,1) - PALAG(I,1,1)*PALAG(I,1,1)/XM)
/ XD
PALAG(I,1,1) = PALAG(I,1,1)/XM
LQ(I,2,1) = (FILAG(I,2,1) - FILAG(I,1,1)*FILAG(I,1,1)/XM)
/ XD
FILAG(I,1,1) = FILAG(I,1,1)/XM
PASH P 2,1) = (PASHIP(I,2,1) - PASHIP(I,1,1)*PASHIP(I,1,1)/XM)
/ XD
PASHIP(I,1,1) = PASHIP(I,1,1)/XM
THFSHP(I,2,1) = (THFSHP(I,2,1) - THFSHP(I,1,1)*THFSHP(I,1,1)/XM)
/ XDD
THFSHP(I,1,1) = THFSHP(I,1,1)/XM
RVRCMN(I,1) = NRCVR(I,1)/XM
DUM = XM*CLAIM(I,1,1)
IF(DUM.GT.0) RVRCHD(I,1) = RVRCHD(I,1)/DUM
CONTINUE

```

2900
C

```

WRITE(7,604) (FIRM(I,IC),I=1,10),ISTRT,IDEND,IOD,IOY
WRITE(7,605) (NCLAIM(I,M),I=1,5)
WRITE(7,606) (NTHFT(I,M),I=1,5)
WRITE(7,607) ((CLAIM(I,K,M),I=1,5),K=1,3)
WRITE(7,608) ((THEFT(I,K,M),I=1,5),K=1,2)
WRITE(7,609) ((PASHIP(I,K,M),I=1,5),K=1,2)
WRITE(7,610) ((THFSHP(I,K,M),I=1,5),K=1,2)
WRITE(7,611) (NRCVR(I,M),I=1,5)
WRITE(7,612) (RVRCMN(I,M),I=1,5)
WRITE(7,613) (RVRCHD(I,M),I=1,5)
WRITE(7,614) ((FILAG(I,K,M),I=1,5),K=1,2)
WRITE(7,615) ((PALAG(I,K,M),I=1,5),K=1,2)
WRITE 7 616) ((NUMBER(II,L),II=1,10),((LSCAT(II,K),II=1,8),
(LDCAT(K,I,M,L),I=1,5),K=1,3),L=1,2)
WRITE(7,617) ((NUMBER(II,L),II=1,10),((LOCAT(II,K),II=1,8),
(DLOC(K,I,M,L),I=1,5),K=1,4),L=1,2)
WRITE(7,618) ((NUMBER(II,L),II=1,10),((LSCS(II,K),II=1,8),
(LDCAS(K,I,M,L),I=1,5),K=1,4),L=1,2)
1
*****OUTPUT ***** TO UNIT 4 ***** STATE
IF(M.EQ.2) GO TO 9500
IF(.NOT.STSOUT) GO TO 2900
IDUM = ISTRT(2) - 100*(ISTRT(2)/100)
IDUM = 100*ISTRT(1) + IDUM
WRITE(4,622) CMPNY,IDUM,(NCLAIM(I,M),I=1,5),
1 (CLAIM(I,1,M),I=1,5),(PASHIP(I,1,M),I=1,5),
2 (NTHFT(I,M),I=1,5),(THEFT(I,1,M),I=1,5),(THFSHP(I,1,M),I=1,5),
3 ((LDCAT(K,I,M,1),I=1,5),K=1,3),
4 ((LDCAT(K,I,M,2),I=1,5),K=1,3),
5 ((LDLOC(K,I,M,1),I=1,5),K=1,3),
6 ((LDLOC(K,I,M,2),I=1,5),K=1,3)
2 FORMAT(F5.0,15,5F4.0,5F5.0,5F5.4/
3 5X,10F4.0,5F5.4/
3 5X,15F4.0/
3 5X,15F5.0/

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***** REINITIALIZE
(JRP 1.0? () 90

770 CONTINUE
SDAT = EDAT + 1.0
IF(INCDT.GT.0) GO TO 2975
IF(ISAVE.LT.12) GO TO 2970

ISAVE = 0
IY = IY + 1
970 ISAVE = ISAVE + 1
EDAT = 365*IY + MONTH(ISAVE)
GO TO 773

CONTINUE
EDAT = EDAT \$ DATINC
773 IF(RECORD(5).GT.EDAT) GO TO 770

75 CONTINUE
C STORE RESULTS
CALL XMDAYR(EDAT, IDEND)
CALL XMDAYR(SDAT, ISTRT)
DO 790 I = 1, 5
NCLAIM(I, 1) = 0.0
NTHFT(I, 1) = 0
NRCVP(I, 1) = 0.0
RVRCMN(I, 1) = 0.0
VRCMD(I, 1) = 0.0

C
DO 785 K = 1, 2
CLAIM(I, K, 1) = 0.0
THEFT(I, K, 1) = 0.0
PASHIP(I, K, 1) = 0.0
HFSHP(I, K, 1) = 0.0
FILAG(I, K, 1) = 0.0
PALAG(I, K, 1) = 0.0
DO 780 L = 1, 4
LDCAS(L, I, K) = 0.0
LDLOC(L, I, K) = 0.0
IF(L.EQ.4) GO TO 780
LDCAT(L, I, K) = 0.0

780 CONTINUE
785 CONTINUE
790 CONTINUE
C ...HAKLAL
800 CONTINUE

C
C
DO 830 I = 1, 2
J = RECORD(19)
L = RECORD(20)
K = 2*J + L + 1
IF(I.EQ.2) K = 5
NCLAIM(K, 1) = NCLAIM(K, 1) + 1
CLAIM(K, 1, 1) = CLAIM(K, 1, 1) + RECORD(12)
CLAIM(K, 2, 1) = CLAIM(K, 2, 1) + RECORD(12)*RECORD(12)
C ***** THEFT SEGREGATION
IF(RECORD(18).LE.2.0) GO TO 810
NTHFT(K, 1) = NTHFT(K, 1) + 1
THEFT(K, 1, 1) = THEFT(K, 1, 1) + RECORD(14)
THEFT(K, 2, 1) = THEFT(K, 2, 1) + RECORD(14)*RECORD(14)

C
DUM = RECORD(14)/RECORD(17)
THFSHP(K, 1, 1) = THFSHP(K, 1, 1) + DUM
THFSHP(K, 2, 1) = THFSHP(K, 2, 1) + DUM*DUM
810 CONTINUE
PAID(K, 1, 1) = PAID(K, 1, 1) + RECORD(14)
PAID(K, 2, 1) = PAID(K, 2, 1) + RECORD(14)*RECORD(14)

PA (K,) = 1 IP(K,) + *DUI

RECOVERIES

IF(RECUMD(16).LE.0.0) GO TO 820

MRCVR(K,1) = MRCVR(K,1) + 1.

RVRCHD(K,1) = RVRCHD(K,1) + RECORD(16)

CONTINUE

DUM = RECORD(11) - RECORD(5)

FILAG(K,1,1) = FILAG(K,1,1) + DUM

ILAG(K,2,1) = ILAG(K,2,1) + DUM*DUM

DUM = RECORD(13) - RECORD(11)

PALAG(K,1,1) = PALAG(K,1,1) + DUM

PALAG(K,2,1) = PALAG(K,2,1) + DUM*DUM

L = RECORD(10)

LDCAT(L,K,1,1) = LDCAT(L,K,1,1) + 1.

LDCAT(L,K,1,2) = LDCAT(L,K,1,2) + RECORD(12)

L = RECORD(9)

LDLOC(L,K,1,1) = LDLOC(L,K,1,1) + 1.

LDLOC(L,K,1,2) = LDLOC(L,K,1,2) + RECORD(12)

L = RECORD(10)

LDCAS(L,K,1,1) = LDCAS(L,K,1,1) + 1.

LDCAS(L,K,1,2) = LDCAS(L,K,1,2) + RECORD(12)

830 CONTINUE

900 CONTINUE

IF(JREC.GT.0) GO TO 905

JRFC = 1

GO TO 2758

CONTINUE

C***

DO 920 I = 1,5

N = NCLAIM(I,2)

IF (XN.LT.1) XN = 1

XD = XN - 1.

IF(XD.LE.0.0) XDD = 1.0

XN = NTHFT(I,2)

XDD = XN - 1.0

IF(XDD.LE.0.0) XDD = 1.0

IF(XN.LT.1.0) XN = 1.0

PALAG(I,2,2) = (PALAG(I,2,2) - PALAG(I,1,2)*PALAG(I,1,2)/XN)

XD = 1 - XDD

PALAG(I,1,2) = PALAG(I,1,2)/XN

FILAG(I,2,2) = (FILAG(I,2,2) - FILAG(I,1,2)*FILAG(I,1,2)/XN)

/XD

FILAG(I,1,2) = FILAG(I,1,2)/XN

IF(CLAIM(I,1,2).GT.0) RVRCHD(I,2) = RVRCHD(I,2)/CLAIM(I,1,2)

RVRCHD(I,2) = MRCVR(I,2)/XN

THFSHP(I,2,2) = (THFSHP(I,2,2) - THFSHP(I,1,2)*THFSHP(I,1,2)/XN)

/XDD

THFSHP(I,1,2) = THFSHP(I,1,2)/XN

PASHIP(I,2,2) = (PASHIP(I,2,2) - PASHIP(I,1,2)*PASHIP(I,1,2)/XN)

/XD

PASHIP(I,1,2) = PASHIP(I,1,2)/XN

PAID(I,2,2) = (PAID(I,2,2) - PAID(I,1,2)*PAID(I,1,2)/XN)

/XD

PAID(I,1,2) = PAID(I,1,2)/XN

THEFT(I,2,2) = (THEFT(I,2,2) - THEFT(I,1,2)*THEFT(I,1,2)/XN)

/XDD

THEFT(I,1,2) = THEFT(I,1,2)/XN

CLAIM(I,2,2) = (CLAIM(I,2,2) - CLAIM(I,1,2)*CLAIM(I,1,2)/XN)

/XD

CLAIM(I,1,2) = CLAIM(I,1,2)/XN

920 CONTINUE

P. NT

C***** RAW DATA -- PRINT TABLE ONLY / PRINT ONLY

1000 CONTINUE
NRCI = LENGTH
READ(1,NRCI,ERR=9000) NR
NRCI = 2

PNY
ISKIP = 0
IFLIP = 999
IF(RAW) GO TO 1025

REWIND 3
READ(3)(INDEX(I),I=1,NR)
CONTINUE
DO 2000 IR = 1,NR
IF(RAW) GO TO 1050
NRCI = INDEX(IR)
FIND(1,NRCI)

1050 CONTINUE
READ(1,NRCI,ERR=9000) RECORD
IF(CMPNY-RECORD(4).GT.0.5) GO TO 9100
IF(RECORD(4)-CMPNY.GT.0.5) GO TO 9100
IFLIP = IFLIP + 1
ISKIP = ISKIP + 1
IF(IFLIP.LE.40) GO TO 1100
FLIP = 1
ISKIP = 1
WRITE(6,601) (FIRM(I,IC),I=1,10),IOD,IOT

00 CONTINUE
IF(ISKIP.LE.8) GO TO 1110
ISKIP = 1
WRITE(6,602)

1110 CONTINUE
CALL XHDAYR(RECORD(5),LDAT)
DO 1120 I = 1,3
IS = 9 + 201
ID = I + 1
F(RECORD(18),LE,0,0) GO TO 1115
CALL XHDAYR(RECORD(18),IPDAT(1,ID))
GO TO 1120

15 CONTINUE
IPDAT(1,ID) = 0
IPDAT(2,ID) = 0

0 CONTINUE
ICCD = RECORD(6)
DO 1130 I = 1,63
IF(ICCD.NE.MCODE(I)) GO TO 1130
ICCD = I
GO TO 1140

CONTINUE
ICCD = 63

1140 CONTINUE
SYMBOL(1) = BLANK
SYMBOL(2) = BLANK
IF(RECORD(20).NE.0,0) SYMBOL(2) = ASTRSK
IF(RECORD(19).NE.0,0) SYMBOL(1) = ASTRSK
IS = RECORD(9)
ID = RECORD(10)
IA = RECORD(18)
IDM = RECORD(8)
DUM1 = TRK(IDM)
IDM = RECORD(7)
DUM2 = RTE(IDM)


```
I = L1 77 (LD 77)
IDUM = 100*LDAT(1) + IDUM
DO 1145 I = 1, NCPI
IF (IDUM.NE.NOYRCP(1)) GO TO 1145
RECORD(12) = CPI(I)*RECORD(12)
RECORD(14) = CPI(I)*RECORD(14)
RECORD(16) = CPI(I)*RECORD(16)
RECORD(17) = CPI(I)*RECORD(17)
GO TO 1145
```

```
1145 CONTINUE
STOP 'LS DATE OUT OF RANGE'
RITE(6,693) LDAT, ICDAT, IPDT, IRDAT,
1 (ICCLBL(I,ICCD),I=1,10), (RECORD(I),I=1,3),
2 DUM1, DUM2, (LOCAT(I,18),I=1,9),
(LSCAT(I,18),I=1,8), (LSCB(I,XAY,I=1,8))
4 RECORD(12), RECORD(14), RECORD(16), RECORD(17),
5 SYMBOL
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```
CONTINUE
STOP 'FIRM AND DATA TABULATION'
0000 I/O ERROR TRAP --- GOT YA
000 CONTINUE
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```
WRITE(6,691)NRCI,IR,NR
691 FORMAT(1H1,' NRCI,IR,NR' 3I10)
STOP 'I/O ERROR'
```

```
0100 CONTINUE
STOP 'FIRM AND FILE SPEC DO NOT MATCH'
00 CONTINUE
STOP 'TABLE ON 6. STATS ON 7.'
```

```
END
SUBROUTINE XMDAYR(DATE,IDT)
```

```
DIMENSION IDT(1)
COMMON /CALNDR/MONTH(12)
ATE = DATE
```

```
IY = IDATE/365
ID = IDATE - 365*IY
Q 100 I = 1,12
IF (ID.GT.MONTH(I)) GO TO 100
IM = I
I, ME-1) ID = ID - MONTH(I=1)
GO TO 150
```

```
100 CONTINUE
STOP 'DATE ERROR'
100 IDT(2) = IY + 75 + 100*ID
IDT(1) = IM
RETURN
END
```

```
SUBROUTINE DAT(ATE,DTE)
COMMON /CALNDR/ MONTH(12)
IF (ATE.GT.123199.) GO TO 200
IF (ATE.LT.0.0.) GO TO 200
IDT = ATE
IM = IDT/10000
ID = (IDT - 10000*IM)/100
IY = (IDT - 10000*IM - 100*ID)
M = 0
IF (IM.GT.1) M = MONTH(IM-1)
DTE = ID + M + 365*(IY-75)
```

```
RETURN
200 STOP 'BAD DATE SPECIFIED'
EN
```

SUBROUTINE REGRET (DAM,MMI,NUM,NAMF1,NAME2,XMAX,XMIN,STEP,NO,ALPHA
,BETA,BF)

C*****C

C

LINEAR BIVARIATE REGRESSION WITH WEIGHTING.

C

DAM = DEPENDENT VARIABLE

C

MMI = INDEPENDENT VARIABLE

C

NUM = WEIGHTING ARRAY

C

NAME1 = LABEL FOR DEPENDENT VARIABLE

C

NAME2 = LABEL FOR INDEPENDENT VARIABLE

C

XMAX = LARGEST VALUE ALLOWED FOR INDEPENDENT VARIABLE

C

XMIN = SMALLEST VALUE ALLOWED FOR THE INDEPENDENT VARIABLE

C

STEP = STEP SIZE

C

NO = NUMBER OF POINTS TO BE PROJECTED

C

ALPHA = 'A' OF REGRESSION FIT

C

BETA = 'B' OF REGRESSION FIT

C

BF = CONFIDENCE INTERVAL FLAG

C

BB BF = 1 COMPUTE CONFIDENCE LIMITS

C

BF .LE. 0 DO NOT COMPUTE CONFIDENCE LIMITS

C

C*****C

C

DIMENSION MMI(NO),DAM(NO),NUM(NO),E(200),DE(200),LDAM(200),

REAL NUM, MMI, LDAM,LOWER

SDAMEST(200),NA(7),X(200),Y(200,4) ,A(174),SMSQ(200)

INTEGER A

DATA NRY/6H BY /

DATA (A(L),L=1,160)/160*IR /

DATA (A(L),L=165,174)/1HU,1H,1HL,1HX,6*(1H) /

DATA NA/10H WEIGHT ,2*0,10H RESIDUAL ,10H DELTA=RES,

10H SIGMA SD ,10H EST VALUE/

34 FORMAT (1H1,7(2X,A10,2X))

36 FORMAT (1H ,7(2H *,12X)/1H ,7(2H *,G12.6))

101 FORMAT(1H0,7HALPHA =G12.6,8H BETA = G12.6,8H SIGMA = G12.6,

57H RSQ = ,G12.6,7H SEA = ,G12.6,6H TA = ,G12.6,

57H SER = ,G12.6, 6H TB = ,G12.6,12H DURB=HAT = ,G12.6,

511H TOT NO. = ,F5.0)

102 FORMAT(1H1,3X,'YEAR',5X,'2S HIGH',4X,'ESTIMATE',4X,'2S LOW'/)

103 FORMAT(1X,F6.0,G13.3,G12.3,G11.3)

TM = 0.

TDS = 0.

TMD = 0.

TMS = 0.

TM = 0.

TD = 0.

TDE = 0.

TE = 0.

AVV = 0.

NA(2)=NAME1

NA(3) = NAME2

DO 20 I = 1, NO

IF (NUM(I) .EQ. 0.) NUM(I) = 1.

C

C DAMAGE PERCENTAGE IS CONVERTED TO LN FORM

C

LDAM(I) = (DAM(I))

C

C TOTALS ARE COMPUTED BELOW

C

```

TMD = TMD + ( NUM(I) * MMI(I) * LDAM(I) )
TMS = TMS + ( NUM(I) * ( MMI(I) **2 ) )
TM = TM + ( NUM(I) * MMI(I) )
TD = TD + ( NUM(I) * LDAM(I) )
20 CONTINUE
XX = ( TM * TMS ) - ( TM **2 )

```

C
C
C COMPUTATION OF INTERCEPT POINT

$$ALPHA = ((TMS * TD) - (TM * TMD)) / XX$$

C
C
C COMPUTATION OF THE SLOPE

$$BETA = ((TM * TMD) - (TM * TD)) / XX$$

C
C
C COMPUTE THE ERRORS AND THE DURBIN-WATSON

```

WRITE ( 6,34 ) ( NA(M), M=1,7 )
AV = TM / TN
DO 40 J=1,ND
AVV = AVV + ( MMI(J) * AV ) **2
E(J) = LDAM(J) - ( ALPHA + BETA * MMI(J) )
TE = TE + E(J)**2
IF ( J .EQ. 1 ) GO TO 35
JJ = J - 1
DE(J) = E(J) - E(JJ)
TDE = TDE + DE(J)**2
35 CONTINUE
40 CONTINUE

```

C
C
C COMPUTATION OF THE CONFIDENCE STATISTICS

```

SIGMA = ( TDS - ( ALPHA * TD ) - ( BETA * TMD ) ) / ( TN - 2 )
SIGMA = SQRT(SIGMA)
RSQ = 1. - ( ( TDS - ALPHA*TD - BETA*TMD ) / ( TDS - ( TD**2 / TN ) ) )
SEA = SQRT ( ( SIGMA * ( TMS / TN ) ) / ( TMS - ( TM**2 / TN ) ) )
TA = ALPHA / SEA
SEB = SQRT ( SIGMA / ( TMS - ( TM **2 ) / TN ) )
TB = BETA / SEB
DO 50 J = 1, ND
SMSQ(J) = SIGMA * SQRT ( ( 1. / TN ) + ( (MMI(J) - AV ) **2 / AVV )
+ 1. )
DAMEST(J) = ( ALPHA + BETA * MMI(J) )
WRITE ( 6,36 ) NUM(J),MMI(J),DAM(J),E(J),DE(J),SMSQ(J),
DAMEST(J)
50 CONTINUE

```

C
C
C DUBIN WATSON TEST

```

D = TDE / TE
WRITE ( 6,101 ) ALPHA,BETA,SIGMA,RSQ,SEA,TA,SEB,TB,D,TN
IF ( BF.LE.0. ) RETURN

```

C
C
C COMPUTATION OF THE CONFIDENCE VARIENCE BETWEEN MMI 1 - 12

```

COMPUTE MINIMUM FOR SCALING
XM=DAM(1)
DO 120 I=2,ND
120 XM=AMINI(XM,DAM(I))
DO 150 I=1,ND
X(I) = MMI(I)
XSMSQ = SIGMA * SQRT( ( 1./TN ) + ( ( MMI(I) - AV ) **2 / AVV ) + 1. )
Y(I,2) = ALPHA + BETA * MMI(I)
Y(I,1) = Y(I,2) + 2. * XSMSQ

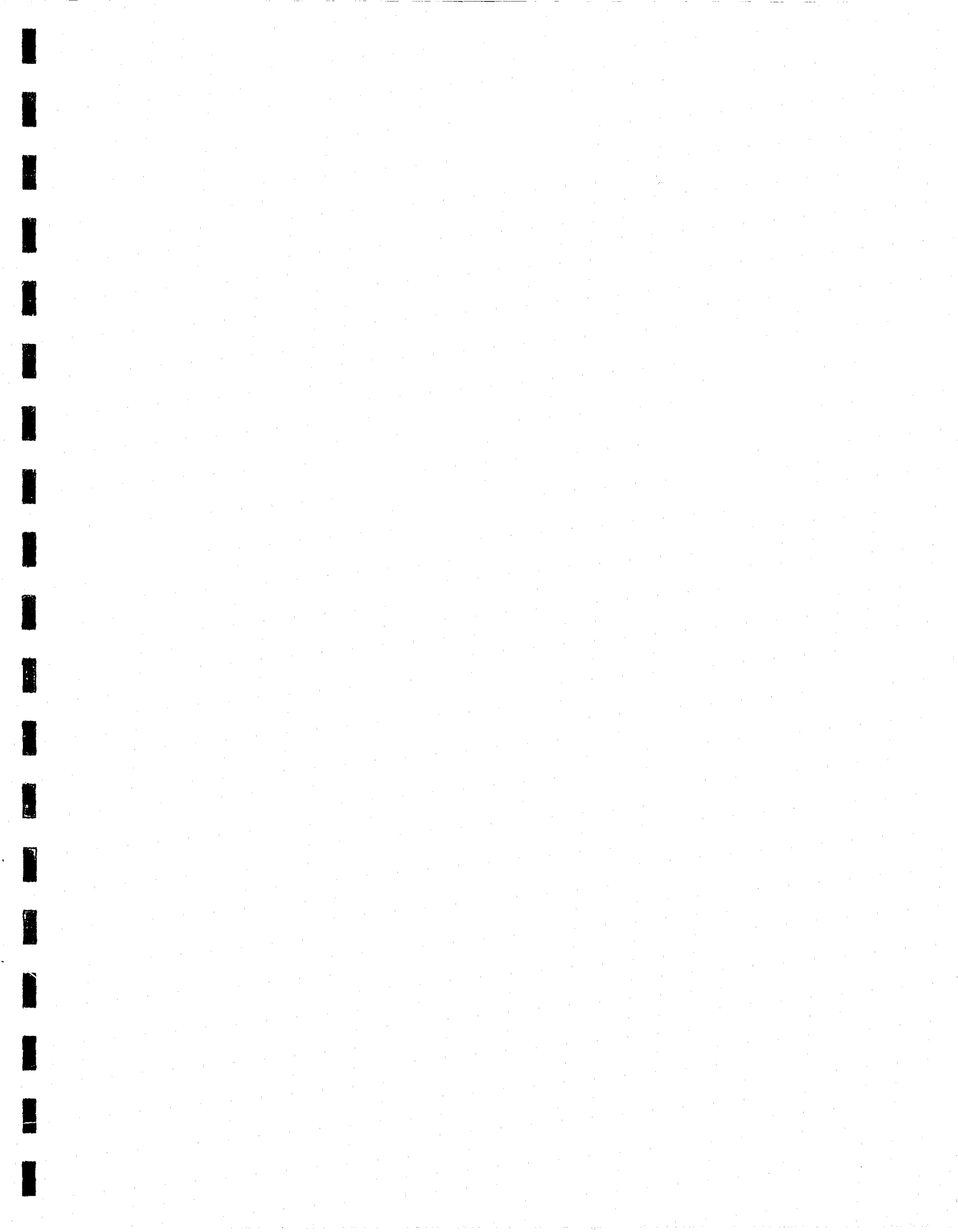
```

150

```
Y(I,N) = J*(I)
CONTINUE
NTOT = ND
IF ( STEP .LT. 0. ) GO TO 100
NTOT = ((XMAX-XMIN)/STEP) + ND
N1 = ND + 1
DO 99 N = N1, NTOT
  XMMI = XMIN + ((N-N1) * STEP )
  XSMSQ = SIGMA * SQRT ( ( 1. / TN) + ((XMMI - AV) **2 / AVV) +
    1. )
  ACTUAL = ALPHA + BETA * XMMI
  LOWER = ALPHA + BETA * XMMI - 2. * XSMSQ
  UPPER = ( ALPHA + BETA * XMMI + 2. * XSMSQ )
  X(N) = XMMI
  Y(N,1) = UPPER
  Y(N,2) = ACTUAL
  Y(N,3) = LOWER
  Y(N,4) = XM
99
```

100

```
CONTINUE
WRITE(6,102)
WRITE(6,103) (X(I), (Y(I,J), J=1,3), I=1, NTOT)
RETURN
END
```



PROGRAM EXTNDN

```

C*****C
C
C   THIS PROGRAM PERFORMS THE EXTENDED MEDIAN TEST FOR
C   COMPARISON OF UP TO NG GROUPS OF DATA
C   NOMENCLATURE
C   NG = TOTAL NUMBER OF OBSERVATIONS
C   NG = NUMBER OF GROUPS
C   G = MATRIX CONTAINING GROUPS OF DATA
C*****C
C
C   INTEGER           NI(10),       H(2,10),       TITLE(40)
C
C   REAL              G(10,50),     X(500),       E(2,10)
C*****C
C   .... FORMAT STATEMENTS ....
C*****C
1  FORMAT(9I10)
2  FORMAT(8F10.0)
3  FORMAT(8F10.2)
4  FORMAT(40A2)
100 FORMAT(1H1,'***** DATA ARRAY TOO LONG ****')
101 FORMAT(1H1,5X,'NUMBER OF GROUPS OUT OF RANGE')
102 FORMAT(1H1,30X,40A2)
103 FORMAT(1H1,' *** TOO MANY DATA POINTS IN GROUP' ,I9,I20)
104 FORMAT(//,5X,'CHI-SQUARE = ',F12.4)
105 FORMAT(//,5X,'PROBABILITY = ',F12.4)
106 FORMAT(//,5X,'THE DATA VECTOR CONTAINS ',I9,' OBSERVATIONS WITH ',
-      ' A MEDIAN OF ',F12.4)
C
C*****C
C   .... ENTER DATA ....
C*****C
      READ(5,4) TITLE
      WRITE(6,102) TITLE
      READ(5,1) NG
      WRITE(6,1) NG
      IF(NG.LT.1.OR.NG.GT.10) GO TO 200
      DOF = NG-1
      READ(5,1) (NI(I),I=1,NG)
      DO 320 I=1,NG
      NIT = NI(I)
      IF(NIT.GT.50.OR.NIT.LT.1) GO TO 330
      READ(5,2) (G(I,J),J=1,NIT)
320 CONTINUE
C*****C
C   .... COMPUTE NUMBER OF OBSERVATIONS AND LOAD DATA ....
C*****C
      NO = 0
      KNTR = 0
      DO 210 I=1,NG
      IF(NI(I).GT.50.OR.NI(I).LT.1) GO TO 330
      NO = NO+NI(I)
      ND = NI(I)
      DO 210 J=1,ND
      KNTR = KNTR+1
      X(KNTR) = G(I,J)
210 CONTINUE
C*****C

```

```

(0001 FORMAT(10F7.2))
C*****
C *****
C .... COMPUTE MEDIAN OF THE COMBINED GROUPS ....
C*****
      CALL MEDIAN(NO,X,XH)
      WRITE(6,106) NO,XH
C*****
C .... COUNT THE GROUPS CONTENTS ....
C*****
      DO 310 J=1,NG
      M(1,J) = 0
      M(2,J) = 0
310 CONTINUE
      DO 230 I=1,NG
      ND = NI(I)
      DO 230 J=1,ND
      IF(G(I,J).GE.XH) M(1,I) = M(1,I)+1
      IF(G(I,J).LT.XH) M(2,I) = M(2,I)+1
230 CONTINUE
C*****
      WRITE(6,6000) M
6000 FORMAT(2I20)
C*****
      M1 = 0
      M2 = 0
      DO 240 J=1,NG
      M1 = M1+M(1,J)
      M2 = M2+M(2,J)
240 CONTINUE
C*****
      WRITE(6,6002) M1,M2
6002 FORMAT(5X,'M1 = ',2I20)
C*****
      DO 250 J=1,NG
      E(1,J) = (FLOAT(M1)/FLOAT(M1+M2))*FLOAT(NI(J))
      E(2,J) = (FLOAT(M2)/FLOAT(M1+M2))*FLOAT(NI(J))
C*****
      WRITE(6,6003) E(1,J),E(2,J)
6003 FORMAT(5X,'E = ',2E20.5)
C*****
250 CONTINUE
C*****
C .... COMPUTE CHI SQUARE ....
C*****
      CH12 = 0.0
      DO 260 I=1,2
      DO 260 J=1,NG
      CH12 = CH12+(FLOAT(M(I,J))-E(I,J))*#2/E(I,J)
260 CONTINUE
      WRITE(6,104) CH12
C*****
C .... COMPUTE PROBABILITY ....
C*****
      CALL CHI(CH12,NDF,XX,IERR)
      PX = 1.0-XX
      WRITE(6,105) PX
      RETURN
270 CONTINUE
      WRITE(6,100)
300 CONTINUE
      STOP
200 CONTINUE
      WRITE(6,101)

```

STOP
END
SUBROUTINE MEDIAN(NX,X,XH)

```
C*****C  
C THIS ROUTINE DETERMINES THE MEDIAN VALUE OF AN ARRAY C  
C NOMENCLATURE C  
C NX = NUMBER OF DATA POINTS IN ARRAY C  
C X = DATA ARRAY C  
C XH = MEDIAN OF X ARRAY C  
C*****C
```

REAL X(1)

```
C*****C  
C .... DETERMINE MAXIMUM AND MINIMUM VALUES ....  
C*****C
```

```
XMAX = -1.0E20  
XMIN = 1.0E20  
DO 200 I=1,NX  
IF(X(I).GT.XMAX) XMAX = X(I)  
IF(X(I).LT.XMIN) XMIN = X(I)  
200 CONTINUE
```

```
C*****C  
C .... DETERMINE SMALLEST DELTA BETWEEN VALUES ....  
C*****C
```

```
DELS = 1.0E20  
DO 230 I=1,NX  
NS = I+1  
DO 230 J=NS,NX  
TEMP = ABS(X(I)-X(J))  
IF(TEMP.EQ.0.0) GO TO 230  
DELS = AMIN1(TEMP,DELS)  
230 CONTINUE  
DELS = 0.5*DELS
```

```
C*****C  
C .... MAKE A FIRST GUESS OF THE MEDIAN VALUE ....  
C*****C
```

```
XH = 0.5*(XMAX-XMIN)+XMIN  
DELTA = (XMAX-XMIN)/2.0
```

```
C*****C  
C .... DETERMINE THE MEDIAN BY SUCCESSIVE APPROXIMATION ....  
C
```

```
C COUNT THE NUMBER OF DATA POINTS ABOVE AND BELOW THE  
C SELECTED VALUE.
```

```
C*****C  
230 CONTINUE  
XMINU = 1.0E20  
XMAXL = -1.0E20  
KNTRL = 0  
KNTRU = 0  
DO 210 I=1,NX  
IF(X(I).GE.XH) GO TO 240  
KNTRL = KNTRL+1  
IF(X(I).GT.XMAXL) XMAXL = X(I)  
GO TO 210  
240 CONTINUE  
KNTRU = KNTRU+1  
IF(X(I).LT.XMINU) XMINU = X(I)  
210 CONTINUE
```

```
C*****C  
C .... TEST TO SEE IF THE MEDIAN HAS BEEN FOUND ....
```



```

C*****
IF(KNTRL.GT.KNTRU) GO TO 280
C*****
C     .... MODIFY MEDIAN ESTIMATOR BY UPWARD SHIFT ....
C*****
      DELTA = DELTA/2.0
      IF(DELTA.LT.DEL8) GO TO 250
      XM = XM+DELTA
      GO TO 220
C*****
C     .... MODIFY MEDIAN ESTIMATOR BY DOWNWARD SHIFT ....
C*****
280 CONTINUE
      IF(DELTA.LT.DEL8) GO TO 250
      DELTA = DELTA/2.0
      XM = XM-DELTA
      GO TO 220
C*****
C     .... MEDIAN HAS BEEN DETERMINED TO WITHIN ONE DATA POINT ....
C     DETERMINE THE EXACT MEDIAN
C*****
270 IF((KNTRL-KNTRU).EQ.0) GO TO 290
      IF(KNTRL.GT.KNTRU) XM = XMAXL
      IF(KNTRU.GT.KNTRL) XM = XMINU
290 CONTINUE
      RETURN
C*****
C     .... THERE ARE TIES ABOUT MEDIAN ....
C*****
250 CONTINUE
      IF(KNTRL.LT.KNTRU) KNTRL=KNTRL+(KNTRU-KNTRL)/2
      IF(KNTRL.GT.KNTRU) KNTRL=KNTRL-(KNTRL-KNTRU)/2
      GO TO 270
      END
    
```

SUBROUTINE MEDTST(NG1,G1,NG2,G2,PX)

C*****C
C THIS SUBROUTINE PERFORMS THE MEDIAN TEST ON TWO GROUPS C
C OF DATA. C
C*****C

REAL	G1(1), FACLOG(100)	G2(1),	X(100),
DATA	FACLOG / 0.00000,	0.30103,	0.77815,
-	1.38021,	2.07918,	2.85733,
-	3.70243,	4.60552,	5.55976,
-	6.55976,	7.60116,	8.68034,
-	9.79428,	10.94041,	12.11650,
-	13.32062,	14.55107,	15.80634,
-	17.08509,	18.38612,	19.70834,
-	21.05077,	22.41249,	23.79271,
-	25.19065,	26.60562,	28.03698,
-	29.48414,	30.94654,	32.42366,
-	33.91502,	35.42017,	36.93869,
-	38.47016,	40.01423,	41.57054,
-	43.13874,	44.71852,	46.30959,
-	47.91165,	49.52443,	51.14768,
-	52.78115,	54.42460,	56.07781,
-	57.74057,	59.41267,	61.09391,
-	62.78410,	64.48307,	
-	66.19062,	67.90665,	69.83092,
-	71.36332,	73.10368,	74.83187,
-	76.60774,	78.37117,	80.14202,
-	81.92017,	83.70550,	85.49790,
-	87.29724,	89.10342,	90.91633,
-	92.73587,	94.56195,	96.39446,
-	98.23331,	100.07841,	101.92566,
-	103.78700,	105.65032,	107.51955,
-	109.39461,	111.27543,	113.16192,
-	115.05401,	116.95164,	118.85473,
-	120.76321,	122.67703,	124.59610,
-	126.52038,	128.44980,	130.38430,
-	132.32382,	134.26830,	136.21769,
-	138.17194,	140.13098,	142.09477,
-	144.06325,	146.03638,	148.01410,
-	149.99637,	151.98314,	153.97437,
-	155.97000,	157.97000 /	

C
C*****
C FORMAT STATEMENTS
C*****
100 FORMAT(1H1,'***** DATA ARRAY TOO LONG ****')
101 FORMAT(//,5X,'MEDIAN VALUE = ',F12.4)
102 FORMAT(//,5X,'CHI-SQUARE VALUE = ',F12.4)
C
C*****
C COMPUTE THE MEDIAN ON THE COMBINED GROUPS
C*****
KNTR = 0
NX = NG1+NG2
IF(NX.GT.100) GO TO 360
DO 200 I=1,NG1
KNTR = KNTR+1

```
100 CONTINUE
D( ) I= 2
KNTR = KNTR+1
X(KNTR) = G2(I)
210 CONTINUE
CALL MEDIAN(NX,X,XH)
WRITE(6,101) XH
C*****
C ..... COUNT THE GROUP CONTENTS .....
C*****
KA = 0
KB = 0
KC = 0
KD = 0
DO 300 I=1,NG1
IF(G1(I).GE.XH) KA = KA+1
IF(G1(I).LT.XH) KC = KC+1
300 CONTINUE
DO 310 I=1,NG2
IF(G2(I).GE.XH) KB = KB+1
IF(G2(I).LT.XH) KD = KD+1
310 CONTINUE
C*****
C ..... COMPUTE N'S .....
C*****
N1 = KA+KC
FN1 = N1
N2 = KB+KD
FN2 = N2
N = N1+N2
FN = N
IF(N.LT.40) GO TO 320
340 CONTINUE
TEMP = FLOAT(KA)*FLOAT(KD)
TFMP = TEMP-FLOAT(KB)*FLOAT(KC)
TEMP1 = FLOAT(KA+KB)
TEMP1 = TEMP1*FLOAT(KC+KD)
TEMP1 = TEMP1*FLOAT(KA+KC)
TEMP1 = TEMP1*FLOAT(KB+KD)
CHI2 = (FN*(ABS(TEMP)-(FN/2.0)**2)/TEMP1
WRITE(6,102) CHI2
C*****
C ..... COMPUTE PX FOR 1 D-D-F CHI SQUARE .....
C*****
PX = 2.0*(1.0-RNORM(BORT(CHI2)))
GO TO 330
320 CONTINUE
IF(N.LT.20) GO TO 350
C*****
C ..... COMPUTE EXPECTED FREQUENCIES .....
C*****
KAE = (FLOAT(KA+KB)/FLOAT(N))*FLOAT(N1)
KBE = (FLOAT(KA+KB)/FLOAT(N))*FLOAT(N2)
KCE = (FLOAT(KC+KD)/FLOAT(N))*FLOAT(N1)
KDE = (FLOAT(KC+KD)/FLOAT(N))*FLOAT(N2)
IF(KAE.GE.5.AND.KBE.GE.5.AND.KCE.GE.5.AND.KDE.GE.5) GO TO 340
350 CONTINUE
C*****
C ..... COMPUTE FACTORIAL LOGS .....
C*****
INDEX = KA+KB
IF(INDEX.LT.1) INDEX=1
AB = FACLOG(INDEX)
INDEX = KC+KD
IF(INDEX.LT.1) INDEX=1
```



CONTINUED

1 OF 3

```
INDEX = KA+KC
IF(INDEX.LT.1) INDEX=1
AC = FACLOG(INDEX)
INDEX = KB+KD
IF(INDEX.LT.1) INDEX=1
BD = FACLOG(INDEX)
FN = FACLOG(N)
INDEX = KA
IF(INDEX.LT.1) INDEX=1
FA = FACLOG(INDEX)
INDEX = KB
IF(INDEX.LT.1) INDEX=1
FB = FACLOG(INDEX)
INDEX = KC
IF(INDEX.LT.1) INDEX=1
FC = FACLOG(INDEX)
INDEX = KD
IF(INDEX.LT.1) INDEX=1
FD = FACLOG(INDEX)
```

C*****

C COMPUTE PROBABILITY

C*****

```
PX = AB+CD+AC+BD-FN-FA-FD-FC-FD
```

```
PX = 10.0**PX
```

330 CONTINUE

RETURN

360 CONTINUE

```
WRITE(6,100)
```

STOP

END

PROGRAM EXTRM

C INTEGER TITLE(24), ID(24), TM1(16,40),
 - TH2(16,50), R(3,200), A(200)

C *****
 C FORMAT STATEMENTS
 C *****

1 FORMAT(14I4,12X,2I4)
 2 FORMAT(24A2)
 3 FORMAT(8I10)

C
 100 FORMAT(1H1,30X,24A2,/)
 101 FORMAT(///,10X,24A2,/)
 102 FORMAT(5X,'INPUT VECTOR',/,40(5X,20I6,/)
 106 FORMAT(///,10X,'N1 IS FOR TEST AREA GROUP')
 107 FORMAT(///,10X,'N1 IS FOR NON TEST AREA GROUP')
 110 FORMAT(10X,'P = ',E15.3)
 READ(5,2) TITLE

WRITE(6,100) TITLE
 READ(5,3) NT1,NT2

C *****
 C READ FIRST GROUP OF DATA
 C *****

DO 200 J=1,NT1
 READ(5,1) (TM1(I,J),I=1,16)
 WRITE(6,1) (TM1(I,J),I=1,16)

200 CONTINUE

C *****
 C READ SECOND GROUP OF DATA
 C *****

DO 210 J=1,NT2
 READ(5,1) (TM2(I,J),I=1,16)
 WRITE(6,1) (TM2(I,J),I=1,16)

210 CONTINUE

C *****
 C LOOP ON QUESTIONS
 C *****

DO 220 I=1,16

C *****
 C READ QUESTION ID
 C *****

READ(5,2) ID
 IF(1.EQ.14) GO TO 220

C *****
 C LOAD ARRAY
 C *****

N1 = 0
 N2 = 0

DO 230 J=1,NT1

250 N1 = N1+1
 A(N1) = TM1(I,J)

230 CONTINUE

DO 240 J=1,NT2

280 N2 = N2+1
 R(3,N2) = TM2(I,J)

240 CONTINUE

C *****
 C ARRANGE VECTOR FOR PROCESSING
 C *****

```

      N      1+N
      KK = 0
DO 300 K=KL,N
      KK = KK+1
      A(K) = R(3, KK)
300 CONTINUE
      WRITE(6,101) ID
      WRITE(6,102) (A(J),J=1,N)
      CALL MOSES(N1,N2,N,A,R,P)
      WRITE(6,110) P
220 CONTINUE
      STOP
      END
      SUBROUTINE MOSES(N1,N2,N,A,R,P)
C*****
C
C      MOSES TEST OF EXTREME REACTIONS
C
C*****
C
      LOGICAL      XSKIP
      INTEGER      A(200),      R(3,200)
C*****
C      .... RANK VECTORS ....
C*****
      KK = 0
      KNTR = 0
DO 550 J=1,200
      IF(A(L).NE.KK) GO TO 560
DO 560 L=1,N1
      KNTR = KNTR+1
      R(1,KNTR) = 1
      R(2,KNTR) = A(L)
560 CONTINUE
      KM = N1+1
DO 570 L=KN,N
      R(3,KNTR) = KNTR
      IF(A(L).NE.KK) GO TO 570
      KNTR = KNTR+1
      R(1,KNTR) = 2
      R(2,KNTR) = A(L)
      R(3,KNTR) = KNTR
570 CONTINUE
      KK = KK+1
      IF(KNTR.GT.N) GO TO 580
550 CONTINUE
580 CONTINUE
C*****
C      .... DETERMINE EXTREME RANKS IN NON TEST AREA ....
C*****
      IH = 1
      XSKIP = .TRUE.
DO 600 J=1,N
      IF(R(1,J).NE.2) GO TO 600
      IF(XSKIP) GO TO 250
      ISHLOW = J
      GO TO 610
250 XSKIP = .FALSE.
600 CONTINUE
610 KK = N+1
      XSKIP = .TRUE.
DO 620 J=1,N

```


IF(XSKIP) GO TO 260

I =

GO TO 630

260 XSKIP = .FALSE.

620 CONTINUE

630 CONTINUE

SH = ISHHI-ISHLOW+1

C*****

C COMPUTE THE NUMBER OF SAMPLES IN EACH GROUP

C*****

NC = N2

NE = N1

C*****

C COMPUTE INTEGRATION INDEX

C*****

M = (SH+.71)-FLOAT(NC-2*IH)

JJ = -1

M = M+1

P = 0.0

DO 430 K=1,M

JJ = JJ+1

NPOL = JJ+NC-2*IH-2

IF(NPOL.LE.0) NPOL=1

AN = 1.0

DO 440 L=1,NPOL

FL = L

AN = AN*FL

440 CONTINUE

AD1 = 1.0

IF(JJ.LT.1) GO TO 450

DO 460 L=1,JJ

FL = L

AD1 = AD1*FL

460 CONTINUE

450 CONTINUE

AD2 = 1.0

LL = NPOL-JJ

IF(LL.LT.1) LL=1

DO 480 L=1,LL

FL = L

AD2 = AD2*FL

480 CONTINUE

AP = AN/(AD1*AD2)

NPOL = NE+2*IH+1-JJ

IF(NPOL.LE.0) NPOL=1

AN = 1.0

DO 490 L=1,NPOL

FL = L

AN = AN*FL

490 CONTINUE

LL = NE-JJ

IF(LL.LE.0) LL=1

AD1 = 1.0

DO 500 L=1,LL

FL = L

AD1 = AD1*FL

500 CONTINUE

LL = (NE+2*IH+1-JJ)-(NE-JJ)

IF(LL.LE.0) LL=1

AD2 = 1.0

DO 510 L=1,LL

FL = L

AD2 = AD2*FL

510 CONTINUE

AP = AN/(AD1*AD2)

```
IFC .LE . PO  
1.  
DO 520 L=1, NPOL  
FL = L  
AN = AN*FL  
320 CONTINUE  
AD1 = 1.0  
IF(NC.LE.0) NC=1  
DO 530 L=1, NC  
FL = L  
AD1 = AD1*FL  
530 CONTINUE  
AD2 = 1.0  
LL = NE  
IF(LL.LE.0) LL=1  
DO 540 L=1, LL  
FL = L  
AD2 = AD2*FL  
540 CONTINUE  
CP = AN/(AD1*AD2)  
P = P+(AP*BP)/CP  
430 CONTINUE  
RETURN  
END
```

PROGRAM WALLIS

```

C*****
C
C   THIS PROGRAM COMPUTES A KRUSKAL-WALLIS ONE WAY ANALYSIS
C   OF VARIANCE BY RANKS
C*****

```

```

C   LOGICAL*1      XPND
C
C   .INTEGER      NI(10),...   TITLE(40),   DF,
C   .              INDX(100)
C
C   REAL          N(500),      R(500),      RS(10),
C   .              T(100)

```

```

C*****
C   FORMAT STATEMENTS
C*****

```

```

1   FORMAT(8I10)
2   FORMAT(8F10.0)
3   FORMAT(40A2)
100  FORMAT(1H1,5X,'**** NUMBER OF GROUPS OUT OF RANGE = ',I10)
101  FORMAT(1H1,5X,'**** TOTAL NUMBER OF OBSERVATIONS OUT OF RANGE = ',
-     I10)
102  FORMAT(1H1,30X,40A2,/)
103  FORMAT(5X,'THIS ANALYSIS IS OF ',I4,' GROUPS OF DATA',/)
104  FORMAT(5X,'DATA GROUP NUMBER ',I4,' HAS ',I4,' OBSERVATIONS')
105  FORMAT(//,5X,'TOTAL NUMBER OF OBSERVATIONS = ',I5,/)
106  FORMAT(30X,'VECTOR OF OBSERVATIONS',/,50(10F10.2,/)
107  FORMAT(30X,'RANKED VECTOR OF OBSERVATIONS',/,50(10F10.2,/)
108  FORMAT(1H1,' ** NUMBER OF TIES .GT. 100 **')
109  FORMAT(5X,'DATA GROUP NUMBER ',I4,' HAS A SUMMED RANK VALUE OF '
-     ,F10.2)
110  FORMAT(//,5X,'THE TEST HAS ',I4,' DEGREES-OF-FREEDOM')
111  FORMAT(1H1,5X,' ** CHI COMPUTATION ERROR **')
112  FORMAT(//,5X,'PROBABILITY OF OCCURANCE UNDER H SUB 0 OF P = ',
-     F10.4)
113  FORMAT(//,5X,'H ON THE CHI-SQUARE DISTRIBUTION = ',F10.4,/)

```

```

C   NMAX = 500
C*****
C   .... ENTER DATA ....
C*****
      READ(5,3) TITLE
      WRITE(6,102) TITLE
      READ(5,1) NG
      WRITE(6,103) NG
      IF(NG.LT.1.OR.NG.GT.10) GO TO 200
      READ(5,1) (NI(I),I=1,NG)

```

```

C*****
C   .... COMPUTE NUMBER OF OBSERVATIONS ....
C*****
      NO = 0
      DO 220 I=1,NG
      NO = NO+NI(I)
      WRITE(6,104) I,NI(I)
220  CONTINUE
      WRITE(6,105) NO
      IF(NO.GT.NMAX) GO TO 240

```

```

*****
N      1
DO 230 I=1,NG
  NT = NI(I)
  NT = NS-1+NT
  RFAD(5,2) (X(J),J=NS,NT)
  NS = NT+1
230 CONTINUE
  WRITE(6,102) TITLE
  WRITE(6,106) (X(I),I=1,NO)
  CALL RANK(X,R,NO)
  WRITE(6,102) TITLE
  WRITE(6,107) (R(I),I=1,NO)
C*****
C      .... COMPUTE SUM OF RANKS ....
C*****
  WRITE(6,102) TITLE
  ISTART = 1
  DO 250 I=1,NG
    IEND = ISTART+NI(I)-1
    RS(I) = 0.0
  DO 260 J=ISTART,IEND
    RS(I) = RS(I)+R(J)
  260 CONTINUE
  ISTART = IEND+1
  WRITE(6,109) I,RS(I)
250 CONTINUE
C*****
C      .... COMPUTE VALUES OF H UNCORRECTED FOR TIES ....
C*****
  SUM = 0.0
  DO 270 I=1,NG
    SUM = RS(I)**2.0/FLOAT(NI(I))+SUM
  270 CONTINUE
  H = (12.0/(FLOAT(NO*(NO+1))))*SUM-3.0*FLOAT(NO+1)
C*****
C      .... COMPUTE CORRECTION FOR TIES ....
C*****
  NV = NO
  NOTIES = 0
  440 CONTINUE
  IF(NV.LT.1) GO TO 330
C*****
C      .... FIND MINIMUM VALUE OF RANKED VECTOR ....
C*****
  RMIN = 1.0E20
  DO 430 I=1,NV
    RMIN = AMINI(RMIN,R(I))
  430 CONTINUE
C*****
C      .... DETERMINE INDICES OF TIES ....
C*****
  KNTR = 0
  DO 300 I=1,NV
    IF(R(I).NE.RMIN) GO TO 300
    KNTR = KNTR+1
    IF(KNTR.GT.100) GO TO 310
    INDX(KNTR) = I
  300 CONTINUE
C*****
C      .... SAVE TIES IF ANY ....
C*****
  IF(KNTR.LE.0) GO TO 340
  NOTIES = NOTIES+1

```

```

..... REMOVE TIES FROM VECTOR .....
****
DO 360 I=1,KNTR
  NDX = INDX(I)
  R(NDX) = 0.0
360 CONTINUE
DO 370 I=1,KNTR
DO 380 J=1,NV
  NST = J
  IF(R(J).LE.0.0) GO TO 390
380 CONTINUE
  GO TO 370
390 CONTINUE
  IF(NV.LT.NST) GO TO 370
  DO 400 J=NST,NV
    R(J) = R(J+1)
400 CONTINUE
  NV = NV-1
370 CONTINUE
  GO TO 440
C*****
C ..... NO TIES - REMOVE RHIN VALUE FROM VECTOR ....
C*****

```

```

340 CONTINUE
  XFND = .FALSE.
  DO 350 I=1,NV
    IF(R(I).EQ.RHIN) XFND=.TRUE.
    IF(.NOT.XFND) GO TO 350
    R(I) = R(I+1)
350 CONTINUE
  NV = NV-1
  GO TO 440
C*****
C ..... COMPUTE TIES CORRECTION IF ANY
C*****
330 CONTINUE
  IF(NOTIES.LE.0) GO TO 410
  TEMP = 0.0
  DO 420 I=1,NOTIES
    TEMP = TEMP+I(I)**3.0-T(I)
420 CONTINUE
  FNO = NO
  COR = 1.0-TEMP/(FNO**3.0-FNO)
  H = H/COR
410 CONTINUE
  WRITE(6,113) H
  DF = NG-1
  WRITE(6,110) DF
  CALL CHI(H,DF,PX,IERR)
  IF(IERR.GT.0) GO TO 280
  PX = 2.0*(1.0-PX)
  WRITE(6,112) PX
210 CONTINUE
  STOP
200 CONTINUE
  WRITE(6,100) NG
  GO TO 210
240 CONTINUE
  WRITE(6,101) NO
  GO TO 210
280 CONTINUE
  WRITE(6,111)
  GO TO 210
310 CONTINUE
  WRITE(6,108)

```



```

C      1000
C      .... INITIALIZATION ....
C*****
      DO 10 I=1,N
10     R(I) = 0.0
C*****
C      .... FIND RANK OF DATA ....
C*****
      DO 100 I=1,N
C*****
C      .... TEST WHETHER DATA POINT IS ALREADY RANKED ....
C*****
      IF(R(I)) 20,20,100
C*****
C      .... DATA POINT TO BE RANKED ....
C*****
20     SMALL = 0.0
      EQUAL = 0.0
      X = A(I)
      DO 50 J=1,N
      IF(A(J)-X) 30,40,50
C*****
C      .... COUNT NUMBER OF DATA POINTS WHICH ARE SMALLER ...
C*****
30     SMALL = SMALL+1.0
      GO TO 50
C*****
C      .... COUNT NUMBER OF DATA POINTS WHICH ARE EQUAL ....
C*****
40     EQUAL = EQUAL+1.0
      R(J) = -1.0
50     CONTINUE
C*****
C      .... TEST FOR TIE
C*****
      IF(EQUAL-1.0) 60,60,70
C*****
C      .... STORE RANK OF DATA POINT WHERE NO TIE ....
C*****
60     R(I) = SMALL+1.0
      GO TO 100
C*****
C      .... CALCULATE RANK OF TIED DATA POINTS ....
C*****
70     P = SMALL+(EQUAL+1.0)*0.5
      DO 90 J=1,N
      IF(R(J)+1.0) 90,80,90
80     R(J) = P
90     CONTINUE
100    CONTINUE
      RETURN
      END
      FUNCTION RNORMAX<
      DIMENSION A(7)<
      DATA A / .430638E-4, .2765672E-3, .1520143E-3, .92705272E-2,
1.422820123E-1, .705230784E-1, 1.0/
-----
C      TO COMPUTE A RATIONAL FUNCTION APPROXIMATION TO THE NORMAL
C      DISTRIBUTION
C-----
      Y#ABRAX</1.41421356
      RNORM#0.0
      DO 1 I#1,7
      RNORM#RNORM+Y#ABRAX<

```

```

RNORM
NORM
NORM
NORM
NORM
NORM
RNORM
RNORM
NORM
RNORM

```

IFFI
1 CONTINUE
RNORM#.5*##### 1.0/RNORM<##2<##2<##2<##2<
2 IF#.GT.0.0< RNORM#1.0-RNORM
RETURN
3 RNORM#0.0
GO TO 2
END

INI
NORM
RNORM
RNORM
NORM
RNORM
RNORM
NORM

723456789 723456789 723456789 7234567

BEGIN READING LOGICAL RECORD NUMBER 1

1	41316302054006410000	0000000000060400657	5020000000000000014	14260272100000000000
5	00000303003342420000	0000000000060400650	5060000000000000014	30135352140000000000
9	00000303003336430000	00000000000061605673	5060000000000000010	14047212162601164243
13	40601750507130037232	16030106464445402151	51101403323222260066	52444060235251113004
17	72522124007656440000	00000000100025601753	5100000000000000005	40037272200000000000
21	00400203007656444540	17535105200373322000	0000000004001270076	66440000000000000000
25	26001755510000000000	00020005200373722000	0000000004001270076	76440000000000000000
29	26001757510000000000	00020005200374322000	0000000004001270077	06440000000000000000
33	26001761510000000000	00020005200374722000	0000000004001270077	16440000000000000000
37	26001763510000000000	00020005200375522000	0000000004001270077	32440000000000000000
41	26001766510000000000	00020005200376122000	0000000004001270077	42440000000000000000
45	26001770510000000000	00020005200376522000	0000000004001270077	52440000000000000000
49	26001772510000000000	00020005242602322400	0000000004001270540	46455242310100000000
53	26213011512000000000	00020010140432322626	01064645406015515131	30033252270200544645
57	16034061142000006040	47175120000000000000	00141005655224000000	00000000030201157245
61	00000000000000006040	17445120000000000000	001014047232260116	46454060175151313003
65	72522703005712451423	14620000000060604771	5120000000000000014	14050032300000000000
69	000000000000050161755			

6Y8BE5F6	05P./P	LLVR<H
CC 077	05P//0	LXK6)L
CC 038	[0,>/0	HTD<JNVA
5P0//?XC<ZNCAP-9+50((HLCZ2RV 1)950S)(
<)QT 0,9	H U#08(	ESC<<P
SBC 0,9+500(EPC>ZP		SAW 019
V 0 (	R EPC><P	SAW 009
V 0.(	R EPC0ZP	SAW 1F9
V 0((	R EPC0<P	SAW 1N9
V 00(	R EPC\}P	SAW 1Z9
V 01(	R FPC0JP	SAW 179
V 0^(	R EPC0P	SAW 1)9
V 0<(	R ETVRZT	SAW5-+}7YA
VQXI(P	R HLDZVVAF-+50H((YXCZ)WF	
NC5[LP	05*0(P	LHE_)T CBA
	0509(P	HLD<ZVVAF-+500((
<)HC	J+LSL1	000?(P
/NO		LLE ZX

END OF LOGICAL RECORD, LEVEL 000

BEGIN READING LOGICAL RECORD NUMBER 2

1	41316302054006410000	0000000000060400657	5020000000000000014	14260272100000000000
5	00000303003342420000	0000000000060400650	5060000000000000014	30135352140000000000
9	00000303003336430000	00000000000061605673	5060000000000000010	14047212162601164243
13	40601750507130037232	16030106464445402151	51101403323222260066	52444060235251113004
17	72522124007656440000	00000000100025601753	5100000000000000005	40037272200000000000
21	00400203007656444540	17535105200373322000	0000000004001270076	66440000000000000000
25	26001755510000000000	00020005200373722000	0000000004001270076	76440000000000000000
29	26001757510000000000	00020005200374322000	0000000004001270077	06440000000000000000
33	26001761510000000000	00020005200374722000	0000000004001270077	16440000000000000000
37	26001763510000000000	00020005200375522000	0000000004001270077	32440000000000000000
41	26001766510000000000	00020005200376122000	0000000004001270077	42440000000000000000
45	26001770510000000000	00020005200376522000	0000000004001270077	52440000000000000000
49	26001772510000000000	00020005242602322400	0000000004001270540	46455242310100000000
53	26213011512000000000	00020010140432322626	01064645406015515131	30033252270200544645
57	16034061142000006040	47175120000000000000	00141005655224000000	00000000030201157245

6Y8BE5F6	05P./P	LLVR<H
CC 077	05P//0	LXK6)L
CC 038	[0,>/0	HTD<JNVA
5P0//?XC<ZNCAP-9+50((HLCZ2RV 1)950S)(
<)QT 0,9	H U#08(	ESC<<P
SBC 0,9+500(EPC>ZP		SAW 019
V 0 (	R EPC><P	SAW 009
V 0.(	R EPC0ZP	SAW 1F9
V 0((	R EPC0<P	SAW 1N9
V 00(	R EPC\}P	SAW 1Z9
V 01(	R EPC0JP	SAW 179
V 0^(	R EPC0P	SAW 1)9
V 0<(	R ETVRZT	SAW5-+}7YA
VQXI(P	R HLDZVVAF-+50H((YXCZ)WF	
NC5[LP	05*0(P	LHE_)T CBA

EDITED DUMPED TAPE

1 41316302054006410000 0000000000060400657 50200000000000000014 14260272100000000000
5 00000303003342420000 0000000000060400650 50600000000000000014 30135352140000000000
9 00000303003336430000 0000000000061605673 50600000000000000010 14047212162601164243
13 40601750507130037232 16030106464445402151 51101403323222260066 52444060235251113004
17 72522124007656440000 00000000100025601753 51000000000000000005 40037272200000000000
21 00400203007656444540 -17535105200373322000 0000000004001270076 66440000000000000000
25 26001755510000000000 00020005200373722000 0000000004001270076 76440000000000000000
29 26001757510000000000 00020005200374322000 0000000004001270077 06440000000000000000
33 26001761510000000000 00020005200374722000 0000000004001270077 16440000000000000000
37 26001763510000000000 00020005200375522000 0000000004001270077 32440000000000000000
41 26001766510000000000 00020005200376122000 0000000004001270077 42440000000000000000
45 26001770510000000000 00020005200376522000 0000000004001270077 52440000000000000000
49 26001772510000000000 00020005242602322400 0000000004001270540 46455242310100000000
53 26213011512000000000 00020010140432322626 01064645406015515131 30033252270200544645
57 16034061142000006040 47175120000000000000 00141005655224000000 00000000030201157245
61 00000000000000006040 17445120000000000000 00101404723226260116 46454060175151313003
65 72522703005712451423 14620000000060604771 51200000000000000014 14050032300000000000
69 00000000000050161755

1 41316302054006410000 0000000000060400657 50200000000000000014 14260272100000000000
5 00000303003342420000 0000000000060400650 50600000000000000014 30135352140000000000
9 00000303003336430000 0000000000061605673 50600000000000000010 14047212162601164243
13 40601750507130037232 16030106464445402151 51101403323222260066 52444060235251113004
17 72522124007656440000 00000000100025601753 51000000000000000005 40037272200000000000
21 00400203007656444540 -17535105200373322000 0000000004001270076 66440000000000000000
25 26001755510000000000 00020005200373722000 0000000004001270076 76440000000000000000
29 26001757510000000000 00020005200374322000 0000000004001270077 06440000000000000000
33 26001761510000000000 00020005200374722000 0000000004001270077 16440000000000000000
37 26001763510000000000 00020005200375522000 0000000004001270077 32440000000000000000
41 26001766510000000000 00020005200376122000 0000000004001270077 42440000000000000000
45 26001770510000000000 00020005200376522000 0000000004001270077 52440000000000000000
49 26001772510000000000 00020005242602322400 0000000004001270540 46455242310100000000
53 26213011512000000000 00020010140432322626 01064645406015515131 30033252270200544645
57 16034061142000006040 47175120000000000000 00141005655224000000 00000000030201157245
61 00000000000000006040 17445120000000000000 00101404723226260116 46454060175151313003
65 72522703005712451423 14620000000060604771 51200000000000000014 14050032300000000000
69 00000000000050161755

1 00400124033776440000 00000000100025606777 51125046202000000005 40157772200000000000
5 00400124032006450000 00000000100025606401 51325046202000000005 40150032240000000000
9 00400124016066450000 00000000100025603415 51325046202000000005 40070332240000000000
13 00400124052262450000 00000000100025612454 51325046202000000005 40251312240000000000
17 00400124052276450000 00000000100025612457 51325046202000000005 40251372240000000000
21 00400202010316454100 20635130240414722607 01032245420020645130 50041512261301032645
25 43002065513064041532 26160103324543602066 51310004155226210103 36454440206751312004
29 16122625010342454540 20705131340416322631 01034645464020715131 54041652263401035245
33 47202072513170041672 26420103564550602073 51322004171226450103 62455140207451324404
37 17322657010366454040 14755130200317522605 00637245416014775130 40031772261200637645
41 42601500513060032012 26150064024543401501 51307403203226200064 06452501050151200000
45 0000002000534212032 265211440400000000130 04240645000000000000 10004420150251311003
49 20522624006412454520 15035131300320722627 00641645250105045120 0000000000200053421
53 21122652114404000000 01300424224500000000 00001000462015045131 50032112263300642245
57 47001505513164032132 26360064324550401506 51252021215224000000 00000040012704243245
61 52423101000000002601 050651200000000000002 00121403215226440064 36455120150751323003
65 21722651006442455240 15105125201725122400 0000000004001270365 22455242310100000000
69 26007400000050161755

1 00400124033776440000 00000000100025606777 51125046202000000005 40157772200000000000
5 00400124032006450000 00000000100025606401 51325046202000000005 40150032240000000000
9 00400124016066450000 00000000100025603415 51325046202000000005 40070332240000000000
13 00400124052262450000 00000000100025612454 51325046202000000005 40251312240000000000
17 00400124052276450000 00000000100025612457 51325046202000000005 40251372240000000000
21 00400202010316454100 20635130240414722607 01032245420020645130 50041512261301032645
25 43002065513064041532 26160103324543602066 51310004155226210103 36454440206751312004

41	0150	1060	12	0064	7434	15	8032	1620	06	0105	200
45	00000002000534212032	26521144040000000130	04240645000000000000	10004420150251311003							
49	20522624006412454520	15035131300320722627	00641645250105045120	00000000300200053421							
53	211226521144040000000	013004232245000000000	00001000462015045131	50032112263300642245							
57	47001505513164032132	26360664324550401506	51252021215224000000	00000040012704243245							
61	52423101000000002601	05065120000000000002	00121403215226440064	36455120150751323003							
65	21722651006442455240	15105125201725172400	00000000004001270365	22455242310100000000							
69	26007400000050161755										
1	22042122142421242144	45142122710420252040	10020040100200402445	20611423006114030060							
5	14230060140304601403	00611403004014030060	14030040140300601403	00401403006014030060							
9	24452061142200401002	00401002004010020040	10020040100203020721	73726040630230303400							
13	40213404003004370000	03163120100060010700	31235002440126671034	13717710062004010021							
17	05610330033405057617	75670407300175705623	76410002757367647630	53720200112710003400							
21	00401567000533727575	67427627437231410367	02205375402127270520	50000240030305250365							
25	60206100041401416006	24060000354206000024	00010000040000240004	10000400010200173411							
29	20400367022300007560	45020003361206600737	07321371255727370732	13712517253744051365							
33	41012602053004254001	26030535752520200122	75303400756045760016	40016263240001001403							
37	77652401000263714160	03131520200037001207	00145465200001700074	54650260000400557465							
41	00010132753744034160	03372124000024572767	02272374356001220037	40017141345400057011							
45	20000346040230203141	02460402302155610732	76157505200001227521	56017570562500012402							
49	75705657762560036001	64107760203000414301	04340545124004460600	04407730120700145465							
53	10400311007736134337	45050076700160316544	00121001606135207534	14654013474000773613							
57	25200072005736120057	74670074146540100064	00541465000004100075	34551700000100026402							
61	60632400161464031220	07030565136560642760	37740020600607003120	32000166120677612000							
65	04000206776270001340	00200010337760612414	40157455461741247534	64036561000200140425							
69	02400000000050161755										

```
0001      PROGRAM MAGIC
C*****C
C      PROCESS DATA FROM A CBS DATA TAPE WHICH IS BLOCKED TO
C      512. BYTES FROM A CDC DUMP OF PDP-11 TAPE
C*****C
0002      LOGICAL*1      XVDN,      XVUP,      XDSDN,
C      XDSUP
0003      INTEGER*2      IDAT(348),  ODAT(256),  OUTDAT,
C      -                IFILE(10),  OFILE(10),  IWORK(30)
0004      COMMON / PAR /  INDAT(4),  OUTDAT(3)
C*****C
C      .... FORMAT STATEMENTS ....
C*****C
0005      1 FORMAT(9X,4(504,1X))
0006      2 FORMAT(10A2)
0007      100 FORMAT(1,  ** ENTER INPUT FILE DESCRIPTOR **.)
0008      102 FORMAT(1H1,20X,' DATA DUMP',/)
0009      103 FORMAT(5X,1007)
0010      104 FORMAT(//,2X,'** THE DATE OF DATA ACQUISITION WAS ',I2,'//',I2,
C      - '/19',I2,' **',//)
0011      105 FORMAT(10X,'TYPE = ',I2)
0012      107 FORMAT(2X,'** DISPATCH STATION DOWN-LINK DATA ** TRANSCON ',I,X,
C      - 'VEHICLE ID = ',I3,2X,'TIME = ',I2,':',I2,':',I2,/,
C      - 40X,'STREET POINTERS = ',207,2X,'CITY POINTER = ',I3,2X,
C      - 'TRACK CHARACTER = ',06)
0013      108 FORMAT(2X,'** VEHICLE DOWN-LINK DATA ** VEHICLE NO. = ',I3,2X,
C      - 'DATA ',06,2X,'TIME = ',I2,':',I2,':',I2)
0014      109 FORMAT(2X,'** DISPATCH STATION UP-LINK DATA ** TRANSCON = COMMAND',
C      - ', TYPE = ',I2,2X,'COMMAND = ',06,2X,'TIME = ',I2,':',
C      - I2,':',I2,/,38X,'VEH = ',06,2X,'DAY = ',06,2X,'VEH ID = ',
C      - 06,2X,'TRUCKING CD = ',06)
0015      110 FORMAT(2X,'** VEHICLE UP-LINK DATA ** VEHICLE ID = ',I3,2X,
C      - 'DATA = ',207,2X,'TIME = ',I2,':',I2,':',I2)
0016      111 FORMAT(2X,'** DISPATCH STATION DOWN-LINK DATA ** GI TRUCKING',I,X,
C      - 'VEHICLE ID = ',I3,2X,'TIME = ',I2,':',I2,':',I2,/,
C      - 40X,'STREET POINTERS = ',207,2X,'CITY POINTER = ',I3,2X,
C      - 'TRACK CHARACTER = ',06)
0017      112 FORMAT(2X,'** DISPATCH STATION DOWN-LINK DATA ** TRANSCON ',I,X,
C      - 'VEHICLE ID = ',I3,2X,'TIME = ',I2,':',I2,':',I2,/,
C      - 40X,'SENSOR STATUS = ',06,2X,'SENSORS DISABLED = ',06,2X,
C      - 'PROCESSING FLAGS = ',06,2X,'COLOR = ',06,/,40X,
C      - 'HACKLIFT SENSORS = ',06,2X,'HACKLIFT FLAGS = ',06)
0018      113 FORMAT(2X,'** DISPATCH STATION DOWN-LINK DATA ** GI TRUCKING',I,X,
C      - 'VEHICLE ID = ',I3,2X,'TIME = ',I2,':',I2,':',I2,/,
C      - 40X,'SENSOR STATUS = ',06,2X,'SENSORS DISABLED = ',06,2X,
C      - 'PROCESSING FLAGS = ',06,2X,'COLOR = ',06,/,40X,
C      - 'HACKLIFT SENSORS = ',06,2X,'HACKLIFT FLAGS = ',06)
0019      114 FORMAT(2X,'** DISPATCH STATION DOWN-LINK DATA ** TRANSCON ',I,X,
```

```
      'VEHICLE ID = ',13,2X,'TIME = ',12,':',12,':',12,/,  
      40X,'STREET POINTERS = ',207,2X,'CITY POINTER = ',06,2X,  
      'MESSAGE CODE = ',06)  
0020 115 FORMAT(2X,'** DISPATCH STATION DOWN=LINK DATA ** GI TRUCKING',1X,  
      'VEHICLE ID = ',13,2X,'TIME = ',12,':',12,':',12,/,  
      40X,'STREET POINTERS = ',207,2X,'CITY POINTER = ',06,2X,  
      'MESSAGE CODE = ',06)  
0021 116 FORMAT(2X,'** DISPATCH STATION DOWN=LINK DATA ** TRANSCON ',1X,  
      'VEHICLE ID = ',13,2X,'TIME = ',12,':',12,':',12,/,  
      40X,'SENSOR DATA = ',06,2X,'DISABLED SENSORS = ',06,2X,  
      'SPARE = ',06)  
0022 117 FORMAT(2X,'** DISPATCH STATION UP=LINK DATA ** GI TRUCK = COMMAND'  
      ' TYPE = ',12,2X,'COMMAND = ',06,2X,'TIME = ',12,':',  
      12,':',12,/,38X,'VEH = ',06,2X,'DAY = ',06,2X,'VEH ID = ',  
      06,2X,'TRUCKING CU = ',06)  
0023 118 FORMAT(2X,'** DISPATCH STATION DOWN=LINK DATA ** GI TRUCKING ',1X,  
      'VEHICLE ID = ',13,2X,'TIME = ',12,':',12,':',12,/,  
      40X,'SENSOR DATA = ',06,2X,'DISABLED SENSORS = ',06,2X,  
      'SPARE = ',06)
```

C

C*****

C ASSIGN LOGICAL FILE NUMBERS

C*****

```
0024 CALL ASSIGN(1,'TI:')
```

```
0025 WRITE(1,100)
```

```
0026 READ(1,2) IFILE
```

```
0027 CALL ASSIGN(2,IFILE)
```

```
0028 XVON = .FALSE.
```

```
0029 XVUP = .FALSE.
```

```
0030 XDSN = .FALSE.
```

```
0031 XDSUP = .FALSE.
```

```
0032 NBLCK = 0
```

```
0033 200 CONTINUE
```

```
0034 NBLOCK = NBLOCK+1
```

C*****

C READ A BLOCK OF DATA

C*****

```
0035 II = 1
```

```
0036 JJ = 20
```

```
0037 DO 210 I=1,17
```

```
0038 READ(2,1,END=220) (IDAT(J),J=II,JJ)
```

```
0039 II = II+20
```

```
0040 JJ = JJ+20
```

```
0041 210 CONTINUE
```

```
0042 READ(2,1,END=220) (IDAT(J),J=341,345)
```

C*****

C PROCESS A BLOCK OF DATA

C*****

```
0043 IO = 0
```

```
0044 II = 1
```

```
0045 JJ = 4
```

```
0046 DO 230 I=1,87
```

```
0047 KK = 0
```

```
0048 DO 240 J=11,JJ
```

```
0049      KK = KK+1
0050      INDAT(KK) = IDAT(J)
0051 240 CONTINUE
0052      II = II+4
0053      JJ = JJ+4
0054      CALL CSSDAT
0055      DO 230 J=1,3
0056      IO = IO+1
0057      IF(IO.GT.256) GO TO 250
0059      ODAT(IG) = OUTDAT(J)
0060 230 CONTINUE
C*****
C      .... THIS BLOCK OF DATA HAS BEEN PROCESSED.....
C*****
0061 250 CONTINUE
0062      WRITE(6,102)
0063      WRITE(6,103) ODAT
C*****
C      .... UNPACK A BLOCK OF DATA ....
C*****
0064      IO = 1
0065      IF(NBLOCK.GT.2) GO TO 280
0067      INDAT(1) = ODAT(IO)
0068      IO = IO+1
C*****
C      .... EXTRACT DATE ....
C*****
0069      CALL EDAT(INDAT)
0070      WRITE(6,104) INDAT(2),INDAT(1),INDAT(3)
C*****
C      .... DECODE FIRST WORD IN DATA GROUP TO OBTAIN TYPE....
C*****
0071 280 CONTINUE
0072      IF(XDSUP) GO TO 340
0074      IF(XVUP) GO TO 400
0076      IF(XUSON) GO TO 430
0078      IF(XVON) GO TO 410
0080      INDAT(1) = ODAT(IO)
0081      CALL GETYPE(INDAT)
0082      NTYPE = INDAT(1)+1
0083      GO TO(301,302,303,304), NTYPE
C*****
C      .... VEHICLE UP-LINK ....
C*****
0084 301 CONTINUE
0085      KK = 0
0086      IK = 1
0087 400 CONTINUE
0088      DO 270 J=IK,3
0089      IWORK(I) = ODAT(IO)
0090      IO = IO+1
0091      KK = KK+1
0092      IF(IO.GT.256) GO TO 290
0094 270 CONTINUE
```

0095 420 CONTINUE
0096 XVUP = .FALSE.
0097 CALL VEHUP(IWORK)
0098 WRITE(6,110) (IWORK(J),J=4,9)
0099 GO TO 280
0100 290 CONTINUE
0101 IF(KK.GE.3) GO TO 420
0103 XVUP = .TRUE.
0104 IK = KK
0105 GO TO 200

C*****
C DISPATCH STATION DOWN-LINK
C*****

0106 302 CONTINUE
0107 KK = 0
0108 IK = 1
0109 430 CONTINUE
0110 DO 300 I=IK,5
0111 IWORK(I) = ODAT(IO)
0112 IO = IO+1
0113 KK = KK+1
0114 IF(IO.GT.286) GO TO 310
0116 300 CONTINUE
0117 440 CONTINUE
0118 XSDN = .FALSE.
0119 CALL DISPDN(IWORK)
0120 IF(IWORK(1).LT.0.OR.IWORK(1).GT.4) GO TO 320
0122 NTYPE = IWORK(1)
0123 GO TO (401,402,403,404), NTYPE
0124 401 CONTINUE
0125 IF(IWORK(6).EQ.0) WRITE(6,107) (IWORK(I),I=7,14)
0127 IF(IWORK(6).EQ.1) WRITE(6,111) (IWORK(I),I=7,14)
0129 GO TO 280
0130 402 CONTINUE
0131 IF(IWORK(6).EQ.0) WRITE(6,112) (IWORK(I),I=7,16)
0133 IF(IWORK(6).EQ.1) WRITE(6,113) (IWORK(I),I=7,16)
0135 GO TO 280
0136 403 CONTINUE
0137 IF(IWORK(6).EQ.0) WRITE(6,114) (IWORK(I),I=7,14)
0139 IF(IWORK(6).EQ.1) WRITE(6,115) (IWORK(I),I=7,14)
0141 GO TO 280
0142 404 CONTINUE
0143 IF(IWORK(6).EQ.0) WRITE(6,116) (IWORK(I),I=7,13)
0145 IF(IWORK(6).EQ.1) WRITE(6,118) (IWORK(I),I=7,13)
0147 GO TO 280
0148 310 CONTINUE
0149 IF(KK.GE.5) GO TO 440
0151 XSDN = .TRUE.
0152 GO TO 200
0153 320 CONTINUE
0154 GO TO 280

C*****
C VEHICLE DOWN-LINK
C*****

RAN IC=0
CORE=08K, UIC=(100,1)

4U 7 IL-7 254 PA 05
DK3:MAGIC,LP=DK3:MAGIC

```
0155 303 CONTINUE
0156     KK = 0
0157     IK = 1
0158 410 CONTINUE
0159     DO 330 I=IK,2
0160         IWORK(I) = ODAT(IU)
0161         IU = IC+1
0162     IF(IU.GT.256) GO TO 340
0164 330 CONTINUE
0165 370 CONTINUE
0166     XVDN = .FALSE.
0167     CALL VEHEN(IWORK)
0168     WRITE(6,108) (IWORK(I),I=3,7)
0169     GO TO 280
0170 340 CONTINUE
0171     IF(KK.GE.2) GO TO 370
0173     XVDN = .TRUE.
0174     GO TO 200
```

C*****

C DISPATCH STATION UP-LINK

C*****

```
0175 304 CONTINUE
0176     KK = 0
0177     IK = 1
0178 390 CONTINUE
0179     DO 350 I=IK,5
0180         IWORK(I) = ODAT(IU)
0181         IU = IO+1
0182         KK = KK+1
0183     IF(IU.GT.256) GO TO 360
0185 350 CONTINUE
0186 380 CONTINUE
0187     XDSUP = .FALSE.
0188     CALL DISPUP(IWORK)
0189     IF(IWORK(6).EQ.0) WRITE(6,109) (IWORK(I),I=7,15)
0191     IF(IWORK(6).EQ.1) WRITE(6,117) (IWORK(I),I=7,15)
0193     IF(IU.GT.256) GO TO 200
0195     GO TO 280
0196 360 CONTINUE
0197     IF(KK.GE.5) GO TO 380
0199     XDSUP = .TRUE.
0200     IK = KK
0201     GO TO 200
0202 260 CONTINUE
0203     STOP
```

C*****

C FOUND END OF FILE ON DATA FILE

C*****

```
0204 220 CONTINUE
0205     GO TO 260
0206     END
```



```

1          .TITLE  DISPDN
2          ;
3          ;       CALL  DISPDN(IWORK)
4          ;
5          .MCALL  RETURN
6          ;
7          ;       .... DATA SECTION ....
8          ;
9 000000   000000   INDX:   .WORD   0
10 000002   000000   TEMP:   .WORD   0
11 000004   000000   KEEP:   .WORD   0
12 000006   000000   SAVE:   .WORD   0
13 000010   000000           .WORD   0
14 000012   000000           .WORD   0
15          ;
16          ;       .... DEFINE REGISTERS ....
17          ;
18          000003   R3      =      R3
19          000004   R4      =      R4
20          000005   R5      =      R5
21 000014          DISPDN:
22 000014   010367   177766   MOV     R3,SAVE      ; SAVE REGISTER #3
23 000020   010467   177764   MOV     R4,SAVE+2    ; SAVE REGISTER #4
24 000024   010567   177762   MOV     R5,SAVE+4    ; SAVE REGISTER #5
25 000030   022527   000001   CMP     (R5)+,#1     ; CORRECT NUMBER OF ARGUMENTS?
26 000034   001402           BFC     256          ; YES, CONTINUE
27 000036   000167   001266   JMP     108          ; NO, EXIT
28 000042   017503   000000   250:   MOV     R(R5),R3    ; LOAD FIRST WORD
29 000046   010304           MOV     R3,R4        ; FIRST WORD
30 000050   042704   177776   RLC     R17776,R4    ; MASK OUT BITS 15-1
31 000054   062715   000012   ADD     #12,(R5)     ; ADDRESS OF IWORK(6)
32 000060   010475   000000   MOV     R4,R(R5)     ; STUFF CO. ID IN IWORK(6)
33 000064   010304           MOV     R3,R4        ; RELOAD REG # 4
34 000066   006004           ROR     R4           ; ROTATE RIGHT 1 BIT
35 000070   010403           MOV     R4,R3        ; SAVE SHIFTED WORD
36 000072   042704   177740   RLC     R177740,R4   ; MASK OUT BITS 15-5
37 000076   010467   177700   MOV     R4,TEMP      ; SAVE FOR LATER USE
38 000102   010304           MOV     R3,R4        ; LOAD WORD IN REG #4
39 000104   005067   177670   CLR     INDX         ; ZERO COUNTER
40 000110   006004           ROR     R4           ; ROTATE RIGHT 1 BIT
41 000112   005267   177662   INC     INDX         ; INCREMENT COUNTER
42 000116   026727   177656   000007   CMP     INDX,#7     ; DONE 7 TIMES?
43 000124   002771           BLT     208          ; NO, LOOP
44 000126   042704   177400   BIC     #177400,R4   ; MASK OUT BITS 15-8
45 000132   062715   000002   ADD     #2,(R5)      ; ADDRESS IWORK(7)
46 000136   010475   000000   MOV     R4,R(R5)     ; STUFF VEHICLE ID
47 000142   162715   000012   SUB     #12,(R5)     ; GET ADDRESS OF IWORK(2)
48 000146   017503   000000   MOV     R(R5),R3     ; LOAD SECOND WORD (IWORK(2))
49 000152   010304           MOV     R3,R4        ; LOAD WORD INTO REGISTER #4
50 000154   042704   177700   BIC     #177700,R4   ; MASK OUT BITS 15-6
51 000160   062715   000020   ADD     #20,(R5)     ; ADDRESS IWORK(10)
52 000164   010475   000000   MOV     R4,R(R5)     ; STUFF SECONDS
53 000170   010304           MOV     R3,R4        ; RELOAD WORD
54 000172   005067   177602   CLR     INDX         ; ZERO COUNTER
55 000176   006004           ROR     R4           ; ROTATE RIGHT 1 BIT
56 000200   005267   177574   INC     INDX         ; INCREMENT COUNTER
57 000204   026727   177570   000006   CMP     INDX,#6     ; DONE 6 TIMES?

```

58	000212	002771				BLT	30\$		; NO, LOOP
59	000214	010403				MOV	R4,R3		; SAVE SHIFTED WORD
60	000216	162715	000002			SUB	#2,(R5)		; ADDRESS IWORK(9)
61	000222	042704	177700			BIC	#177700,R4		; MASK OUT BITS 15-6
62	000226	010475	000000			MOV	R4,#(R5)		; STUFF MINUTES
63	000232	010304				MOV	R3,R4		; LOAD SHIFTED WORD
64	000234	005067	177540			CLR	INDX		; CLEAR COUNTER
65	000240	006004			40\$:	ROR	R4		; ROTATE RIGHT 1 BIT
66	000242	005267	177532			INC	INDX		; INCREMENT COUNTER
67	000246	026727	177526	000006		CMP	INDX,#6		; DONE 6 TIMES?
68	000254	002771				BLT	40\$		; NO, LOOP
69	000256	042704	177760			BIC	#177760,R4		; MASK OUT BITS 15-4
70	000262	162715	000002			SUB	#2,(R5)		; ADDRESS IWORK(8)
71	000266	010475	000000			MOV	R4,#(R5)		; STUFF HOUR
72	000272	162715	000012			SUB	#12,(R5)		; ADDRESS IWORK(3)
73	000276	017503	000000			MOV	#(R5),R3		; LOAD WORD #3
74	000302	010304				MOV	R3,R4		; WORD #3
75	000304	162715	000004			SUB	#4,(R5)		; ADDRESS IWORK(1)
76	000310	026727	177466	000012		CMP	TEMP,#12		; TEST FOR MESSAGE TYPE #1
77	000316	001054				BNE	50\$		; NOT TYPE 1 BRANCH
78	000320	012775	000001	000000		MOV	#1,#(R5)		; STUFF (1) INTO IWORK(1)
79	000326	062715	000024			ADD	#24,(R5)		; ADDRESS IWORK(11)
80	000332	010475	000000			MOV	R4,#(R5)		; STUFF STREET # POINTER NUMBER 1
81	000336	162715	000016			SUB	#16,(R5)		; ADDRESS IWORK(4)
82	000342	017504	000000			MOV	#(R5),R4		; LOAD IWORK(4)
83	000346	062715	000020			ADD	#20,(R5)		; ADDRESS IWORK(12)
84	000352	010475	000000			MOV	R4,#(R5)		; STUFF SECOND STREET # POINTER
85	000356	162715	000016			SUB	#16,(R5)		; ADDRESS IWORK(5)
86	000362	017503	000000			MOV	#(R5),R3		; LOAD LAST INPUT WORD
87	000366	010304				MOV	R3,R4		; LOAD INTO REG#4
88	000370	042704	177600			BIC	#177600,R4		; MASK OUT BITS 15-7
89	000374	062715	000020			ADD	#20,(R5)		; ADDRESS IWORK(13)
90	000400	010475	000000			MOV	R4,#(R5)		; STUFF CITY # POINTER
91	000404	010304				MOV	R3,R4		; LOAD WORD
92	000406	005067	177366			CLR	INDX		; ZERO COUNTER
93	000412	006004			60\$:	ROR	R4		; ROTATE RIGHT 1 BIT
94	000414	005267	177360			INC	INDX		; INCREMENT COUNTER
95	000420	026727	177354	000007		CMP	INDX,#7		; DONE 7 TIMES?
96	000426	002771				BLT	60\$		; NO, LOOP
97	000430	042704	177000			BIC	#177000,R4		; MASK OUT BITS 15-9
98	000434	062715	000002			ADD	#2,(R5)		; ADDRESS IWORK(14)
99	000440	010475	000000			MOV	R4,#(R5)		; STUFF TRACK CHARACTER
100	000444	000167	000660			JMP	10\$		; ALL DONE, RETURN
101	000450	026727	177326	000013	50\$:	CMP	TEMP,#13		; TEST FOR TYPE #2
102	000456	001121				BNE	70\$		; BRANCH NOT TYPE #2
103	000460	012775	000002	000000		MOV	#2,#(R5)		; STUFF (2) IN TO IWORK(1)
104	000466	062715	000024			ADD	#24,(R5)		; ADDRESS IWORK(11)
105	000472	042704	177600			BIC	#177600,R4		; MASK OUT BITS 15-7
106	000476	010475	000000			MOV	R4,#(R5)		; STUFF SENSOR STATUS INTO IWORK(12)
107	000502	010304				MOV	R3,R4		; RELOAD WORD
108	000504	005067	177270			CLR	INDX		; ZERO COUNTER
109	000510	006004			80\$:	ROR	R4		; ROTATE RIGHT 1 BIT
110	000512	005267	177262			INC	INDX		; INCREMENT COUNTER
111	000516	026727	177256	000007		CMP	INDX,#7		; DONE 7 TIMES?
112	000524	002771				BLT	80\$		; NO, LOOP
113	000526	042704	177000			BIC	#177000,R4		; MASK OUT BITS 15-9
114	000532	062715	000002			ADD	#2,(R5)		; ADDRESS IWORK(12)

115	000536	010475	000000		MOV	R4,R(R5)		; STUFF SENSOR DISABLED
116	000542	162715	000020		SUB	#20,(R5)		; ADDRESS IWORK(4)
117	000546	017503	000000		MOV	#(R5),R3		; LOAD IWORK(4)
118	000552	010304			MOV	R3,R4		; LOAD IWORK(4)
119	000554	042704	177600		BIC	#177600,R4		; MASK OUT BITS 15-7
120	000560	062715	000022		ADD	#22,(R5)		; ADDRESS IWORK(13)
121	000564	010475	000000		MOV	R4,R(R5)		; STUFF PROCCESSING FLAGS
122	000570	010304			MOV	R3,R4		; RELOAD WORD
123	000572	005067	177202		CLR	INDX		; ZERO COUNTER
124	000576	006004		908:	ROR	R4		; ROTATE RIGHT 1 BIT
125	000600	005267	177174		INC	INDX		; INCREMENT COUNTER
126	000604	026727	177170	000007	CMP	INDX,#7		; DONE 7 TIMES?
127	000612	002771			BLT	908		; NO, LOOP
128	000614	042704	177000		BIC	#177000,R4		; MASK OUT BITS 15-9
129	000620	062715	000002		ADD	#2,(R5)		; ADDRESS IWORK(14)
130	000624	010475	000000		MOV	R4,R(R5)		; STUFF LINE COLOR DATA
131	000630	162715	000022		SUB	#22,(R5)		; ADDRESS IWORK(5)
132	000634	017503	000000		MOV	#(R5),R3		; LOAD LAST WORD
133	000640	010304			MOV	R3,R4		; LOAD WORD
134	000642	042704	177600		BIC	#177600,R4		; MASK OUT BITS 15-7
135	000646	062715	000024		ADD	#24,(R5)		; ADDRESS IWORK(15)
136	000652	010475	000000		MOV	R4,R(R5)		; STUFF BACKLIFT SENSOR
137	000656	010304			MOV	R3,R4		; RELOAD WORD
138	000660	005067	177114		CLR	INDX		; ZERO COUNTER
139	000664	006004		1008:	ROR	R4		; ROTATE RIGHT 1 BIT
140	000666	005267	177106		INC	INDX		; INCREMENT COUNTER
141	000672	026727	177102	000007	CMP	INDX,#7		; DONE 7 TIMES?
142	000700	002771			BLT	1008		; NO, LOOP
143	000702	042704	177000		BIC	#177000,R4		; MASK OUT BITS 15-9
144	000706	062715	000002		ADD	#2,(R5)		; ADDRESS IWORK(16)
145	000712	010475	000000		MOV	R4,R(R5)		; STUFF BACKLIFT FLAG
146	000716	000167	000406		JMP	108		; ALL DONE, EXIT
147	000722	016767	177054	177054	MOV	TEMP,KEEP		; SAVE MESSAGE TYPE
148	000730	042767	177760	177044	BIC	#177760,TEMP		; MASK OUT BITS 15-4
149	000736	026727	177040	000014	CMP	TEMP,#14		; TYPE #3?
150	000744	001101			BNE	1106		; NO BRANCH
151	000746	016704	177032		MOV	KEEP,R4		; RELOAD MESSAGE TYPE
152	000752	005067	177022		CLR	INDX		; ZERO COUNTER
153	000756	006004		1208:	ROR	R4		; ROTATE RIGHT 1 BIT
154	000760	005267	177014		INC	INDX		; INCREMENT COUNTER
155	000764	026727	177010	000004	CMP	INDX,#4		; DONE 4 TIMRS?
156	000772	002771			BLT	1208		; NO, LOOP
157	000774	042704	177776		BIC	#177776,R4		; MASK OUT BITS 15-1
158	001000	012775	000003	000000	MOV	#3,R(R5)		; STUFF (3) INTO IWORK(1)
159	001006	062715	000024		ADD	#24,(R5)		; ADDRESS IWORK(11)
160	001012	010475	000000		MOV	R4,R(R5)		; STUFF ALERT/ALARM DATA
161	001016	162715	000020		SUB	#20,(R5)		; ADDRESS IWORK(3)
162	001022	017503	000000		MOV	#(R5),R3		; LOAD IWORK(3)
163	001026	062715	000002		ADD	#2,(R5)		; ADDRESS IWORK(4)
164	001032	017504	000000		MOV	#(R5),R4		; LOAD IWORK(4)
165	001036	062715	000020		ADD	#20,(R5)		; ADDRESS IWORK(12)
166	001042	010375	000000		MOV	R3,R(R5)		; STUFF STREET # POINTER
167	001046	062715	000002		ADD	#2,(R5)		; ADDRESS IWORK(13)
168	001052	010475	000000		MOV	R4,R(R5)		; STUFF STREET # POINTER
169	001056	162715	000020		SUB	#20,(R5)		; ADDRESS IWORK(5)
170	001062	017503	000000		MOV	#(R5),R3		; LOAD WORD
171	001066	010304			MOV	R3,R4		;

172	001070	042704	177400		BIC	#177400,R4		; MASK OUT BITS 15-8
173	001074	062715	000022		ADD	#22,(R5)		; ADDRESS IWORD(14)
174	001100	010475	000000		MOV	R4,#(R5)		; STUFF CITY # POINTER
175	001104	010304			MOV	R3,R4		; LOAD WORD
176	001106	005067	176666		CLR	INDX		; ZERO COUNTER
177	001112	006004		1306:	ROR	R4		; ROTATE RIGHT 1 BIT
178	001114	005267	176660		INC	INDX		; INCREMENT COUNTER
179	001120	026727	176654	000010	CMP	INDX,#10		; DONE 8 TIMES?
180	001126	002771			BLT	1306		; NO, LOOP
181	001130	042704	177400		BIC	#177400,R4		; MASK OUT BITS 15-8
182	001134	062715	000002		ADD	#2,(R5)		; ADDRESS IWORD(15)
183	001140	010475	000000		MOV	R4,#(R5)		; STUFF MESSAGE CODE
184	001144	000167	000160		JMP	106		; ALL DONE, EXIT
185	001150	026727	176626	000015	1106:	CMP	TEMP,#15	; TYPE #4
186	001156	001061			BNE	1406		; ERROR, TYPE NOT FOUND
187	001160	012775	000004	000000	MOV	#4,#(R5)		; STUFF (4) INTO IWORD(1)
188	001166	062715	000004		ADD	#4,(R5)		; ADDRESS IWORD(3)
189	001172	016704	176606		MOV	KEEP,R4		; LOAD MESSAGE TYPE
190	001176	005067	176576		CLR	INDX		; ZERO COUNTER
191	001202	006004		1506:	ROR	R4		; ROTATE RIGHT 1 BIT
192	001204	005267	176570		INC	INDX		; INCREMENT COUNTER
193	001210	026727	176564	000004	CMP	INDX,#4		; DONE 4 TIMES?
194	001216	002771			BLT	1506		; NO, LOOP
195	001220	042704	177776		BIC	#177776,R4		; MASK OUT BITS 15-1
196	001224	062715	000024		ADD	#24,(R5)		; ADDRESS IWORD(11)
197	001230	010475	000000		MOV	R4,#(R5)		; STUFF ALERT/ALARM CODE
198	001234	162715	000020		SUB	#20,(R5)		; ADDRESS IWORD(3)
199	001240	017503	000000		MOV	#(R5),R3		; LOAD WORD 3
200	001244	062715	000002		ADD	#2,(R5)		; ADDRESS IWORD(4)
201	001250	017504	000000		MOV	#(R5),R4		; LOAD WORD #4
202	001254	062715	000002		ADD	#2,(R5)		; LOAD LAST WORD
203	001260	017567	000000	176516	MOV	#(R5),KEEP		
204	001266	062715	000016		ADD	#16,(R5)		; ADDRESS IWORD(12)
205	001272	010375	000000		MOV	R3,#(R5)		; STUFF SENSOR DATA
206	001276	062715	000002		ADD	#2,(R5)		; ADDRESS IWORD(13)
207	001302	010475	000000		MOV	R4,#(R5)		; STUFF DISABLE SENDSRS
208	001306	062715	000002		ADD	#2,(R5)		; ADDRESS IWORD(14)
209	001312	016775	176466	000000	MOV	KEEP,#(R5)		; STUFF SPARE
210	001320	000403			BR	106		; ALL DONE, EXIT
211	001322	012775	000005	000000	1406:	MOV	#5,#(R5)	; STUFF (5) INTO IWORD(1)
212	001330	016703	176452	106:	MOV	SAVE,R3		; RESTORE REG #3
213	001334	016704	176450		MOV	SAVE+2,R4		; RESTORE REGISTER #4
214	001340	016705	176446		MOV	SAVE+4,R5		; RESTORE REGISTER #5
215	001344				RETURN			
216		000001			.END			

```

1          ; .TITLE DISPUP
2          ;
3          ;   FORTRAN CALL DISPUP(IWORK)
4          ;
5          ; .MCALL RETURN
6          ;
7          ;   .... DATA SECTION ....
8          ;
9 000000 000000 INDX:  .WORD  0
10 000002 000000 SAVE:  .WORD  0
11 000004 000000          .WORD  0
12 000006 000000          .WORD  0
13          ;
14          ;   .... DEFINE REGISTERS ....
15          ;
16          000003 R3      =      03
17          000004 R4      =      04
18          000005 R5      =      05
19          ;
20 000010 DISPUP:
21          ;
22 000010 010367 177766      MOV      R3,SAVE      ; SAVE REGISTER 03
23 000014 010467 177764      MOV      R4,SAVE+2    ; SAVE REGISTER 04
24 000020 010567 177762      MOV      R5,SAVE+4    ; SAVE REGISTER 05
25 000024 022527 000001      CMP      (R5)+,01    ; CORRECT NUMBER OF ARGUMENTS?
26 000030 001171          BNE      108        ; NO, EXIT
27 000032 017503 000000      MOV      0(R5),R3    ; LOAD IWORK(1)
28 000036 010304          MOV      R3,R4      ;
29 000040 042704 177776      BIC      017776,R4    ; MASK OUT BITS 15-1
30 000044 062715 000012      ADD      012,(R5)    ; ADDRESS IWORK(6)
31 000050 010475 000000      MOV      R4,0(R5)   ; STUFF COMPANY ID
32 000054 010304          MOV      R3,R4      ; LOAD IWORK(1)
33 000056 006004          ROR      R4          ; ROTATE RIGHT 1 BIT
34 000060 010403          MOV      R4,R3      ; SAVE SHIFTED WORD
35 000062 042704 177774      BIC      017774,R4    ; MASK OUT BITS 15-2
36 000066 062715 000002      ADD      02,(R5)    ; ADDRESS IWORK(7)
37 000072 010475 000000      MOV      R4,0(R5)   ; STUFF COMMAND TYPE
38 000076 010304          MOV      R3,R4      ; LOAD WORD
39 000100 005067 177674      CLR      INDX      ; ZERO COUNTER
40 000104 006004          ROR      R4          ; ROTATE RIGHT 1 BIT
41 000106 005267 177666      INC      INDX      ; INCREMENT COUNTER
42 000112 026727 177662 000007  CMP      INDX,#7    ; DONE 7 TIMES?
43 000120 002771          BLT      206        ; NO, LOOP
44 000122 042704 177400      BIC      017740,R4    ; MASK OUT BITS 15-8
45 000126 062715 000002      ADD      02,(R5)    ; ADDRESS IWORK(8)
46 000132 010475 000000      MOV      R4,0(R5)   ; STUFF COMMAND
47 000136 162715 000014      SUB      014,(R5)    ; ADDRESS IWORK(2)
48 000142 017503 000000      MOV      0(R5),R3    ; LOAD IWORD(2)
49 000146 010304          MOV      R3,R4      ;
50 000150 042704 177700      BIC      017700,R4    ; MASK OUT BITS 15-6
51 000154 062715 000022      ADD      022,(R5)    ; ADDRESS IWORK(11)
52 000160 010475 000000      MOV      R4,0(R5)   ; STUFF SECONDS
53 000164 010304          MOV      R3,R4      ; LOAD WORD
54 000166 005067 177606      CLR      INDX      ; ZERO COUNTER
55 000172 006004          ROR      R4          ;
56 000174 005267 177600      INC      INDX      ; INCREMENT COUNTER
57 000200 026727 177574 000006  CMP      INDX,#6    ; DONE 6 TIMES?

```

58	000206	002771		HLT	30S		; NO, LOOP
59	000210	010403		MOV	R4,R3		; SAVE SHIFTED WORD
60	000212	042704	177700	BIC	#177700,R4		; MASK OUT BITS 15-6
61	000216	162715	000002	SUB	#2,(R5)		; ADDRESS IWORK(10)
62	000222	010475	000000	MOV	R4,#(R5)		; STUFF MINUTES
63	000226	010304		MOV	R3,R4		; LOAD WORD
64	000230	005067	177544	CLR	INDX		; ZERO COUNTER
65	000234	006004		ROR	R4	40S:	; ROTATE RIGHT 1 BIT
66	000236	005267	177536	INC	INDX		; INCREMENT COUNTER
67	000242	026727	177532	CMP	INDX,#6	000006	; DONE 6 TIMES?
68	000250	002771		HLT	40S		; NO, LOOP
69	000252	042704	177760	BIC	#177760,R4		; MASK OUT BITS 15-4
70	000256	162715	000002	SUB	#2,(R5)		; ADDRESS IWORK(9)
71	000262	010475	000000	MOV	R4,#(R5)		; STUFF HOURS
72	000266	162715	000014	SUB	#14,(R5)		; ADDRESS IWORK(3)
73	000272	017503	000000	MOV	#(R5),R3		; LOAD IWORK(3)
74	000276	062715	000002	ADD	#2,(R5)		; ADDRESS IWORK(4)
75	000302	017504	000000	MOV	#(R5),R4		; LOAD IWORK(4)
76	000306	062715	000020	ADD	#20,(R5)		; ADDRESS IWORK(12)
77	000312	010375	000000	MOV	R3,#(R5)		; STUFF GROUP 1
78	000316	062715	000002	ADD	#2,(R5)		; ADDRESS IWORK(13)
79	000322	010475	000000	MOV	R4,#(R5)		; STUFF GROUP 2
80	000326	162715	000022	SUB	#22,(R5)		; ADDRESS IWORD(5)
81	000332	017503	000000	MOV	#(R5),R3		; LOAD LAST WORD
82	000336	010304		MOV	R3,R4		
83	000340	042704	177600	BIC	#177600,R4		; MASK OUT BITS 15-7
84	000344	062715	000022	ADD	#22,(R5)		; ADDRESS IWORK(14)
85	000350	010475	000000	MOV	R4,#(R5)		; STUFF VEHICLE ID
86	000354	010304		MOV	R3,R4		; LOAD WORD
87	000356	005067	177416	CLR	INDX		; ZERO COUNTER
88	000362	006004		ROR	R4	50S:	; ROTATE RIGHT 1 BIT
89	000364	005267	177410	INC	INDX		; INCREMENT COUNTER
90	000370	026727	177404	CMP	INDX,#7	000007	; DONE 7 TIMES?
91	000376	002771		HLT	50S		; NO, LOOP
92	000400	042704	177000	BIC	#177000,R4		; MASK OUT BITS 15-7
93	000404	062715	000002	ADD	#2,(R5)		; ADDRESS IWORK(15)
94	000410	010475	000000	MOV	R4,#(R5)		; STUFF TRUCKING CO
95	000414	016703	177362	MOV	SAVE,R3	10S:	; RESTORE REGISTER #3
96	000420	016704	177360	MOV	SAVE+2,R4		; RESTORE REGISTER #4
97	000424	016705	177356	MOV	SAVE+4,R5		; RESTORE REGISTER #5
98	000430			RETURN			
99		000001		.END			

```

1          .TITLE VEHDN
2          /
3          /      FORTRAN CALL VEHDN(IWORK)
4          /
5          .*CALL RETURN
6          /
7          /      .... DATA SECTION ....
8          /
9 000000 000000      INDX:  .WORD  0      /
10 000002 000000     SAVE:  .WORD  0      /
11 000004 000000      .WORD  0      /
12 000006 000000      .WORD  0      /
13          /
14          /      .... DEFINE REGISTERS ....
15          /
16          000003     R3      =      R3      /
17          000004     R4      =      R4      /
18          000005     R5      =      R5      /
19          /
20 000010      VEHDN:
21          /
22 000010 010367 177766      MOV      R3,SAVE      / SAVE REGISTER #3
23 000014 010467 177764      MOV      R4,SAVE+2     / SAVE REGISTER #4
24 000020 010567 177762      MOV      R5,SAVE+4     / SAVE REGISTER #5
25 000024 022527 000001      CMP      (R5)+,#1     / CORRECT NUMBER OF ARGUMENTS?
26 000030 001105      RNE      106      / NO, EXIT
27 000032 017503 000000      MOV      @(R5),R3     / LOAD IWORD(1)
28 000036 010304      MOV      R3,R4      /
29 000040 042704 177700      BIC      #177700,R4     / MASK OUT BITS 15-6
30 000044 062715 000004      ADD      #4,(R5)     / ADDRESS IWORK(3)
31 000050 010475 000000      MOV      R4,@(R5)   / STUFF VEHICLE ID
32 000054 010304      MOV      R3,R4      / LOAD IWORD(1)
33 000056 005067 177716      CLR      INDX      / ZERO COUNTER
34 000062 006004      20s:  ROR      R4      / ROTATE RIGHT 1 BIT
35 000064 005267 177710      INC      INDX      / INCREMENT COUNTER
36 000070 026727 177704 000010      CMP      INDX,#10   / DONE 8 TIMES?
37 000076 002771      RLT      20s      / NO, LOOP
38 000100 042704 177400      BIC      #177400,R4     / MASK OUT BITS 15-8
39 000104 062715 000002      ADD      #2,(R5)     / ADDRESS IWORK(4)
40 000110 010475 000000      MOV      R4,@(R5)   / STUFF DATA
41 000114 162715 000004      SUB      #4,(R5)     / ADDRESS IWORK(2)
42 000120 017503 000000      MOV      @(R5),R3     / LOAD IWORK(2)
43 000124 010304      MOV      R3,R4      /
44 000126 042704 177700      BIC      #177700,R4     / MASK OUT BITS 15-6
45 000132 062715 000012      ADD      #12,(R5)    / ADDRESS IWORK(7)
46 000136 010475 000000      MOV      R4,@(R5)   / STUFF SECONDS
47 000142 010304      MOV      R3,R4      / LOAD IWORK(2)
48 000144 005067 177630      CLR      INDX      / ZERO COUNTER
49 000150 006004      30s:  ROR      R4      / ROTATE RIGHT 1 BIT
50 000152 005267 177622      INC      INDX      / INCREMENT COUNTER
51 000156 026727 177616 000006      CMP      INDX,#6     / DONE 6 TIMES?
52 000164 002771      RLT      30s      / NO, LOOP
53 000166 010403      MOV      R4,R3      / SAVE SHIFTED WORD
54 000170 042704 177700      BIC      #177700,R4     / MASK OUT BITS 15-6
55 000174 162715 000002      SUB      #2,(R5)     / ADDRESS IWORK(6)
56 000200 010475 000000      MOV      R4,@(R5)   / STUFF MINUTES
57 000204 010304      MOV      R3,R4      / LOAD SHIFTED WORD

```

58	000206	005067	177566		CLR	INDX	; ZERO COUNTER
59	000212	006004		40s:	ROR	R4	; ROTATE RIGHT 1 BIT
60	000214	005267	177560		INC	INDX	; INCREMENT COUNTER
61	000220	026727	177554	000006	CMP	INDX,#6	; DONE 6 TIMES?
62	000226	002771			BLT	40s	; NO, LOOP
63	000230	042704	177760		BIC	#177760,R4	; MASK OUT BITS 15-4
64	000234	162715	000002		MOV	#2,(R5)	; ADDRESS IWORK(5)
65	000240	010475	000000		MOV	R4,#(R5)	; STUFF HOURS
66	000244	016703	177532	106:	MOV	SAVE,R3	; RESTORE REGISTER #3
67	000250	016704	177530		MOV	SAVE+2,R4	; RESTORE REGISTER 4
68	000254	016705	177526		MOV	SAVE+4,R5	; RESTORE REGISTER #5
69	000260				RETURN		
70		000001			.END		

***NEW**

```

1
2
3
4
5
6
7
8
9
10 000000 000000
11 000002 000000
12 000004 000000
13
14
15
16 000004
17 000005
18 000006
19
20
21
22 000006 010467 177770
23 000012 010567 177766
24 000016 022527 000001
25 000022 001123
26 000024 017504 000000
27 000030 042704 177700
28 000034 062715 000006
29 000040 010475 000000
30 000044 162715 000006
31 000050 017504 000000
32 000054 005067 177720
33 000060 006004
34 000062 005267 177712
35 000066 026727 177706 000010
36 000074 002771
37 000076 042704 177400
38 000102 062715 000010
39 000106 010475 000000
40 000112 162715 000006
41 000116 017504 000000
42 000122 062715 000010
43 000126 010475 000000
44 000132 162715 000006
45 000136 017504 000000
46 000142 042704 177700
47 000146 062715 000014
48 000152 010475 000000
49 000156 162715 000014
50 000162 017504 000000
51 000166 005067 177606
52 000172 006004
53 000174 005267 177600
54 000200 026727 177574 000006
55 000206 002771
56 000210 042704 177700
57 000214 062715 000012

```

```

;
; .TITLE VEHUP
;
; CALL VEHUP(IWORK)
;
; .MCALL RETURN
;
; .... DATA SECTION ....
;
INDX: .WORD 0 ;
SAVE: .WORD 0 ;
      .WORD 0 ;
;
; .... DEFINE REGISTERS ....
;
R4    =    04
R5    =    05
VEHUP:
;
; .... UNPACK FIRST WORD ....
;
MOV    R4,SAVE ; STORE REGISTER #4
MOV    R5,SAVE+2 ; STORE REGISTER #5
CMP    (R5)+,01 ; ONE ARGUMENT?
BNE    108 ; NO, RETURN
MOV    @R5,R4 ; LOAD FIRST WORD INTO REGISTER #4
BIC    #177700,R4 ; MASK OUT BITS 15-6
ADD    #6,(R5) ; ADDRESS OF IWORK(4)
MOV    R4,@R5 ; STORE VEHICLE IN IWORK(4)
SUB    #6,(R5) ; RETURN ADDRESS TO IWORK(1)
MOV    @R5,R4 ; LOAD IWORD(1) INTO REGISTER #4
CLR    INDX ; CLEAR COUNTER
200:   ROR    R4 ; ROTATE RIGHT 1 BIT
INC    INDX ; INCREMENT COUNTER
CMP    INDX,#10 ; DONE 0 TIMES?
BLT    206 ; NO, LOOP
BIC    #177400,R4 ; MASK OUT BITS15-8
ADD    #10,(R5) ; ADDRESS OF IWORK(5)
MOV    R4,@R5 ; STORE DATA(1) IN IWORK(5)
SUB    #6,(R5) ; ADDRESS IWORK(2)
MOV    @R5,R4 ; LOAD IWORK(2)
ADD    #10,(R5) ; ADDRESS IWORK(6)
MOV    R4,@R5 ; STUFF IT IN IWORK(6)
SUB    #6,(R5) ; ADDRESS OF IWORK(3)
MOV    @R5,R4 ; LOAD IWORK(3) INTO REGISTER #4
BIC    #177700,R4 ; MASK OUT BITS 15-6
ADD    #14,(R5) ; ADDRESS IWORK(9)
MOV    R4,@R5 ; STUFF SECONDS /F TIME
SUB    #14,(R5) ; ADDRESS OF IWORK(3)
MOV    @R5,R4 ; RELOAD IWORK(3)
CLR    INDX ; ZERO COUNTER
308:   ROR    R4 ; ROTATE RIGHT 1 BIT
INC    INDX ; INCREMENT COUNTER
CMP    INDX,#6 ; DONE 6 TIMES?
BLT    308 ; NO, LOOP
BIC    #177700,R4 ; MASK OUT BITS 15-6
ADD    #12,(R5) ; ADDRESS IWORK(8)

```

```

58 000220 010475 000000          MOV    R4,#(R5)      ; STUFF MINUTES OF TIME
59 000224 162715 000012          SHB    #12,(R5)      ; ADDRESS OF IWORK(3)
60 000230 017504 000000          MOV    #(R5),R4     ; LOAD IWORK(3) INTO REGISTER #4
61 000234 005067 177540          CLR    INDX         ; ZERO COUNTER
62 000240 006004          406:  ROR    R4      ; ROTATE RIGHT 1 BIT
63 000242 005267 177532          INC    INDX         ; INCREMENT COUNTER
64 000246 026727 177526 000014  CMP    INDX,#14     ; DONE 12 TIMES?
65 000254 002771          BLT    406         ; NO, LOOP
66 000256 042704 177760          BIC    #177760,R4   ; MASK OUT BITS 15-4
67 000262 062715 000010          ADD    #10,(R5)     ; ADDRESS IWORK(7)
68 000266 010475 000000          MOV    R4,#(R5)     ; STUFF HOURS IN IWORK(7)
69
70
71
72 000272 016704 177504          108:  MOV    SAVE,R4      ; RESTORE REGISTER #4
73 000276 016705 177502          MOV    SAVE+2,R5    ; RESTORE REGISTER #5
74 000302          RETURN
75          000001          .END

```

```

1          .TITLE  GETYPF
2          ;
3          ;   CALL FROM FORTRAN PROGRAM
4          ;   WITH:
5          ;       CALL GETYPE(INDAT)
6          ;
7          .MCALL  RETURN
8          ;
9          ;   .... DATA SECTION ....
10         ;
11 000000 000000  SAVE:  .WORD  0          ;
12 000002 000000          .WORD  0          ;
13 000004 000000  INDX:  .WORD  0
14         ;
15         ;   .... DEFINE REGISTERS ....
16         ;
17         R4      =      R4          ; REGISTER #4
18         R5      =      R5          ; REGISTER #5
19         ;
20         ;   .... ENTRY POINT ....
21         ;
22 000006  GETYPE::
23         ;
24         ;   .... SAVE REGISTERS ....
25         ;
26 000006 010467 177766      MOV      R4,SAVE          ; SAVE REGISTER #4
27 000012 010567 177764      MOV      R5,SAVE+2        ; SAVE REGISTER #5
28 000016 022527 000001      CMP      (R5)+,#1        ; ONE ARGUMENT?
29 000022 001017          RNE      106          ; NO, RETURN
30 000024 017504 000000      MOV      @R5,R4          ; LOAD WORD INTO REGISTER #4
31 000030 005067 177750      CLR      INDX          ; ZERO COUNTER
32 000034 006004          206:  ROR      R4          ; ROTATE REGISTER #4 RIGHT BY 1 BIT
33 000036 005267 177742      INC      INDX          ; INCREMENT COUNTER
34 000042 026727 177736 000006  CMP      INDX,#6        ; DONE 6 TIMES?
35 000050 002771          BLT      209          ; NO, LOOP AGAIN
36 000052 042704 177774      BIC      @177774,R4    ; MASK OUT BITS 15-2
37 000056 010475 000000      MOV      R4,@R5        ; RETURN TYPE WORD
38         ;
39         ;   .... RETURN ....
40         ;
41 000062 016704 177712      106:  MOV      SAVE,R4          ; RESTORE REGISTER #4
42 000066 016705 177710      MOV      SAVE+2,R5    ; RESTORE REGISTER #5
43 000072          RETURN
44         .END

```

```

1          .TITLE DATE
2          ;
3          ;     .... CALL FROM FOPTRAN PROGRAM ....
4          ;     WITH:
5          ;     CALL EDATE(INDAT)
6          ;
7          ;     .MCALL RETURN
8          ;
9          ;     .... DATA SECTION ....
10         ;
11         000000 000000      SAVF:  .WORD  0          ; REGISTER STORAGE
12         000002 000000      ;     .WORD  0          ;
13         000004 000000      INDX:  .WORD  0          ;
14         000006 000000      TEMP:  .WORD  0          ;
15         ;
16         ;     .... DEFINE REGISTERS ....
17         ;
18         000004      R4      =      R4          ; REGISTER NUMBER 4
19         000005      R5      =      R5          ; REGISTER NUMBER 5
20         000010      EDATE:;
21         ;
22         ;     .... SAVE VALUES IN REGISTERS ....
23         ;
24         000010 010467 177764      MOV      R4,SAVE      ; STORE REGISTER #4
25         000014 010567 177762      MOV      R5,SAVE+2    ; STORE REGISTER #5
26         ;
27         ;     .... PROCESS DATE WORD ....
28         ;
29         000020 022527 000001      CMP      (R5)+,#1    ; ONE ARGUMENT?
30         000024 001054              BNE      106          ; NO, RETURN
31         000026 017504 000000      MOV      B(R5),R4    ; LOAD WORD INTO REGISTER #3
32         000032 010467 177750      MOV      R4,TEMP     ; SAVE WORD
33         000036 042704 177740      BIC      #177740,R4  ; MASK OUT YEAR AND MONTH
34         000042 010475 000000      MOV      R4,#(R5)   ; LOAD DAY INTO FIRST WORD OF VECTOR
35         000046 005215              INC      (R5)        ; MOVE TO NEXT ADDRESS
36         000050 005215              INC      (R5)        ;
37         000052 016704 177730      MOV      TEMP,R4    ; LOAD WORD INTO REGISTER #3
38         000056 005067 177722      CLR      INDX       ; CLEAR COUNTER
39         000062 006004              200:  ROR      R4          ; ROTATE RIGHT 1 BIT
40         000064 005267 177714      INC      INDX       ; INCREMENT COUNTER
41         000070 026727 177710 000005  CMP      INDX,#5    ; DONE 5 TIMES?
42         000076 002771              HLT      208        ; NO, LOOP
43         000100 010467 177702      MOV      R4,TEMP     ; SAVE SHIFTED WORD
44         000104 042704 177760      BIC      #177760,R4  ; MASK OUT YEAR AND DAY
45         000110 010475 000000      MOV      R4,#(R5)   ; SAVE MONTH
46         000114 005215              INC      (R5)        ; GO TO NEXT WORD
47         000116 005215              INC      (R5)        ;
48         000120 016704 177662      MOV      TEMP,R4    ; LOAD SHIFTED WORD
49         000124 005067 177654      CLR      INDX       ; CLEAR COUNTER
50         000130 006004              308:  ROR      R4          ; ROTATE RIGHT 1 BIT
51         000132 005267 177646      INC      INDX       ; INCREMENT COUNTER
52         000136 026727 177642 000004  CMP      INDX,#4    ; DONE 4 TIMES?
53         000144 002771              BLT      308        ; NO, LOOP AGAIN
54         000146 042704 177600      BIC      #177600,R4  ; EXTRACT YEAR
55         000152 010475 000000      MOV      R4,#(R5)   ; SAVE YEAR
56         000156 016704 177616      108:  MOV      SAVF,R4    ; RESTORE REGISTER #4
57         000162 016705 177614      MOV      SAVE+2,R5  ; RESTORE REGISTER #5

```

58 000166
59 000001

RETURN
.END

```

1          .TITLE  CSSDAT
2          ;
3          CALL CSSDAT ( FORTRAN CALL )
4          ;
5          WITH:
6          COMMON / PAR / INDAT(4),  OUTDAT(3)
7          .ACALL  RETURN
8          ;
9          .... SET UP COMMON SECTION ....
10         ;
11         .PSECT  PAR,D,GBL,OVR
12         INDAT:  .BLKW  4
13         OUTDAT: .BLKW  3
14         ;
15         .... DEFINE REGISTERS ....
16         ;
17         R2      =      02
18         R3      =      03
19         R4      =      04
20         R5      =      05
21         ;
22         .... DATA SECTION ....
23         ;
24         SAVE:  .WORD  0
25         .WORD  0
26         .WORD  0
27         .WORD  0
28         INDX:  .WORD  0
29         ;
30         .... PROGRAM ENTRY POINT ...
31         ;
32         CSSDAT:;
33         ;
34         .... SAVE REGISTERS ....
35         ;
36         MOV     R2,SAVE          ; SAVE REGISTER #2
37         MOV     R3,SAVE+2        ; SAVE REGISTER #3
38         MOV     R4,SAVE+4        ; SAVE REGISTER #4
39         MOV     R5,SAVE+6        ; SAVE REGISTER #5
40         ;
41         .... PROCESS FOUR INPUT WORD INTO 3 OUTPUT WORDS ....
42         ;
43         MOV     #INDAT,R2        ; LOAD INPUT VECTOR ADDRESS
44         MOV     #OUTDAT,R3       ; LOAD OUTPUT VECTOR ADDRESS
45         MOV     (R2),R4          ; LOAD FIRST INPUT WORD
46         ROL     R4              ; ROTATE 4 BITS LEFT
47         ROL     R4              ;
48         ROL     R4              ;
49         ROL     R4              ;
50         BIC     #000017,R4       ; MASK OUT BITS 3-0
51         INC     R2              ; MOVE TO NEXT WORD ADDRESS
52         INC     R2              ;
53         MOV     (R2),R5          ; LOAD SECOND INPUT WORD
54         MOV     #0,INDX          ; LOAD COUNTER WITH ZERO
55         HOR     R5              ; ROTATE REGISTER #5 ONE BIT RIGHT
56         ADD     #1,INDX          ; ADD ONE TO COUNTER
57         CMP     INDX,#10         ; DONE 8 TIMES?
58         BLT     10$             ; NO, DO AGAIN

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58 000132 042705 177760          BIC    #177760,R5      ; MASK OUT BITS 15-4
59 000136 060504                  ADD    R5,R4          ; COMBINE TO GIVE ONE PDP-11 WORD
60 000140 000304                  SWAB   R4             ; SWAP BYTFS
61 000142 010413                  MOV    R4,(R3)       ; STORE FIRST OUTPUT WORD
62 000144 005203                  INC    R3            ; INCREMENT TO NEXT ADDRESS
63 000146 005203                  INC    R3            ;
64                                     ;
65                                     ;     .... START FOR SECOND OUTPUT WORD ....
66                                     ;
67 000150 011204                  MOV    (R2),R4       ; LOAD SECOND INPUT WORD
68 000152 012767 000000 177646    MOV    #0,INDX      ; ZERO COUNTER
69 000160 006104                  400:  ROL    R4       ; ROTATE 1 BIT LEFT
70 000162 062767 000001 177636    ADD    #1,INDX      ; INCREMENT COUNTER
71 000170 026727 177632 000010    CMP    INDX,#10     ; DONE 8 TIMES?
72 000176 002770                  BLT    400          ; NO, LOOP AGAIN
73 000200 042704 000377          BIC    #000377,R4   ; MASK OUT BITS 7-0
74 000204 005202                  INC    R2            ; MOVE TO ADDRESS OF THIRD INPUT WORD
75 000206 005202                  INC    R2            ;
76 000210 011205                  MOV    (R2),R5       ; LOAD THIRD INPUT WORD
77 000212 012767 000000 177606    MOV    #0,INDX      ; ZERO COUNTER
78 000220 006005                  200:  ROR    R5       ; ROTATE FOUR BITS RIGHT
79 000222 062767 000001 177576    ADD    #1,INDX      ; INCREMENT COUNTER
80 000230 026727 177572 000004    CMP    INDX,#4      ; DONE 4 TIMES?
81 000236 002770                  BLT    200          ; NO, LOOP AGAIN
82 000240 042705 177400          BIC    #177400,R5   ; MASK OUT BITS 15-0
83 000244 060504                  ADD    R5,R4          ; SUM INTO REG #4
84 000246 000304                  SWAB   R4            ; SWAP BYTES
85 000250 010413                  MOV    R4,(R3)       ; SAVE SECOND OUTPUT WORD
86 000252 005203                  INC    R3            ; GET ADDRESS OF THIRD OUTPUT WORD
87 000254 005203                  INC    R3            ;
88                                     ;
89                                     ;     .... START LAST OUTPUT WORD GENERATION ....
90                                     ;
91 000256 011204                  MOV    (R2),R4       ; LOAD THIRD INPUT WORD
92 000260 012767 000000 177540    MOV    #0,INDX      ; ZERO COUNTER
93 000266 006104                  300:  ROL    R4       ; ROTATE 1 BIT LEFT
94 000270 062767 000001 177530    ADD    #1,INDX      ; INCREMENT COUNTER
95 000276 026727 177524 000014    CMP    INDX,#14     ; DONE 12 TIMES?
96 000304 002770                  BLT    300          ; NO, LOOP AGAIN
97 000306 042704 007777          BIC    #007777,R4   ; MASK OUT BITS 11-0
98 000312 005202                  INC    R2            ; PICK UP ADDRESS OF LAST INPUT WORD
99 000314 005202                  INC    R2            ;
100 000316 011205                  MOV    (R2),R5       ; LOAD LAST INPUT WORD
101 000320 042705 170000          BIC    #170000,R5   ; MASK OUT BITS 15-11
102 000324 060504                  ADD    R5,R4          ; COMBINE WORD
103 000326 000304                  SWAB   R4            ; SWAP BYTES
104 000330 010413                  MOV    R4,(R3)       ; SAVE THIRD WORD OF OUTPUT
105                                     ;
106                                     ;     .... RETURN ....
107                                     ;
108 000332 016702 177460          MOV    SAVE,R2       ; RESTORE REGISTERS
109 000336 016703 177456          MOV    SAVE+2,R3     ;
110 000342 016704 177454          MOV    SAVE+4,R4     ;
111 000346 016705 177452          MOV    SAVE+6,R5     ;
112 000352                  RETURN
113 000001 000001                  .END

```

```

1
2
3
4
5
6
7
8
9 000000 000000
10 000002 000000
11 000004 000000
12 000006 000000
13 000010 000000
14 000012 000000
15
16
17
18 000003
19 000004
20 000005
21 000014
22 000014 010367 177766
23 000020 010467 177764
24 000024 010567 177762
25 000030 022527 000001
26 000034 001402
27 000036 000167 001266
28 000042 017503 000000
29 000046 010304
30 000050 042704 177776
31 000054 062715 000012
32 000060 010475 000000
33 000064 010304
34 000066 006004
35 000070 010403
36 000072 042704 177740
37 000076 010467 177700
38 000102 010304
39 000104 005067 177670
40 000110 006004
41 000112 005267 177662
42 000116 026727 177656 000007
43 000124 0C2771
44 000126 042704 177400
45 000132 062715 000002
46 000136 010475 000000
47 000142 162715 000012
48 000146 017503 000000
49 000152 010304
50 000154 042704 177700
51 000160 062715 000020
52 000164 010475 000000
53 000170 010304
54 000172 005067 177602
55 000176 006004
56 000200 005267 177574
57 000204 026727 177570 000006

          .TITLE DISPDN
          /
          /   CALL DISPDN(IWORK)
          /
          /   .MCALL RETURN
          /
          /   .... DATA SECTION ....
          /
          /
          /   INDX:  .WORD  0
          /   TEMP:  .WORD  0
          /   KEFP:  .WORD  0
          /   SAVE:  .WORD  0
          /           .WORD  0
          /           .WORD  0
          /
          /   .... DEFINE REGISTERS ....
          /
          /   R3      =      R3
          /   R4      =      R4
          /   R5      =      R5
          /
          /   DISPDN:
          /
          /   MOV      R3,SAVE      ; SAVE REGISTER #3
          /   MOV      R4,SAVE+2    ; SAVE REGISTER #4
          /   MOV      R5,SAVE+4    ; SAVE REGISTER #5
          /   CMP      (R5)+, #1    ; CORRECT NUMBER OF ARGUMENTS?
          /   BFO      256        ; YES, CONTINUE
          /   JMP      106        ; NO, EXIT
          /
          /   258:  MOV      #12(R5),R3 ; LOAD FIRST WORD
          /   MOV      R3,R4        ; FIRST WORD
          /   RIC      #17776,R4    ; MASK OUT BITS 15-1
          /   AUD      #12,(R5)    ; ADDRESS OF IWORK(6)
          /   MOV      R4,#(R5)    ; STUFF CO. ID IN IWORK(6)
          /   MOV      R3,R4        ; RELOAD REG # 4
          /   ROR      R4          ; ROTATE RIGHT 1 BIT
          /   MOV      R4,R3        ; SAVE SHIFTED WORD
          /   RIC      #17740,R4   ; MASK OUT BITS 15-5
          /   MOV      R4,TEMP     ; SAVE FOR LATER USE
          /   MOV      R3,R4        ; LOAD WORD IN REG #4
          /   CLR      INDX        ; ZERO COUNTER
          /   208:  ROR      R4          ; ROTATE RIGHT 1 BIT
          /   INC      INDX        ; INCREMENT COUNTER
          /   CMP      INDX,#7     ; DONE 7 TIMES?
          /   BGT      206        ; NO, LOOP
          /   RIC      #17740,R4   ; MASK OUT BITS 15-8
          /   ADD      #2,(R5)     ; ADDRESS IWORK(7)
          /   MOV      R4,#(R5)    ; STUFF VEHICLE ID
          /   SUB      #12,(R5)    ; GET ADDRESS OF IWORK(2)
          /   MOV      #12,(R5)    ; LOAD SECOND WORD (IWORK(2))
          /   MOV      #12,(R5)    ; LOAD WORD INTO REGISTER #4
          /   ROR      R3,R4        ; MASK OUT BITS 15-6
          /   ADD      #20,(R5)    ; ADDRESS IWORK(10)
          /   MOV      R4,#(R5)    ; STUFF SECONDS
          /   MOV      R3,R4        ; RELOAD WORD
          /   CLR      INDX        ; ZERO COUNTER
          /   308:  ROR      R4          ; ROTATE RIGHT 1 BIT
          /   INC      INDX        ; INCREMENT COUNTER
          /   CMP      INDX,#6     ; DONE 6 TIMES?

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58	000212	002771			HIT	30\$; NO, LOOP
59	000214	010403			MOV	R4,R3		; SAVE SHIFTED WORD
60	000216	162715	000002		SUB	#2,(R5)		; ADDRESS IWORK(9)
61	000222	042704	177700		BIC	#177700,R4		; MASK OUT BITS 15-6
62	000226	010475	000000		MOV	R4,@(R5)		; STUFF MINUTES
63	000232	010304			MOV	R3,R4		; LOAD SHIFTED WORD
64	000234	005067	177540		CLR	INDX		; CLEAR COUNTER
65	000240	006004		40\$:	ROR	R4		; ROTATE RIGHT 1 BIT
66	000242	005267	177332		INC	INDX		; INCREMENT COUNTER
67	000246	026727	177526	000006	CMP	INDX,#6		; DONE 6 TIMES?
68	000254	002771			BLT	40\$		; NO, LOOP
69	000256	042704	177760		BIC	#177760,R4		; MASK OUT BITS 15-4
70	000262	162715	000002		SUB	#2,(R5)		; ADDRESS IWORK(8)
71	000266	010475	000000		MOV	R4,@(R5)		; STUFF HOUR
72	000272	162715	000012		SUB	#12,(R5)		; ADDRESS IWORK(3)
73	000276	017503	000000		MOV	@(R5),R3		; LOAD WORD #3
74	000302	010304			MOV	R3,R4		; WORD #3
75	000304	162715	000004		SUB	#4,(R5)		; ADDRESS IWORK(1)
76	000310	026727	177466	000012	CMP	TEMP,#12		; TEST FOR MESSAGE TYPE #1
77	000316	001054			BNE	50\$		; NOT TYPE 1 BRANCH
78	000320	012775	000001	000000	MOV	#1,@(R5)		; STUFF (1) INTO IWORK(:)
79	000326	062715	000024		ADD	#24,(R5)		; ADDRESS IWORK(11)
80	000332	010475	000000		MOV	R4,@(R5)		; STUFF STREET # POINTER NUMBER 1
81	000336	162715	000016		SUB	#16,(R5)		; ADDRESS IWORK(4)
82	000342	017504	000000		MOV	@(R5),R4		; LOAD IWORK(4)
83	000346	062715	000020		ADD	#20,(R5)		; ADDRESS IWORK(12)
84	000352	010475	000000		MOV	R4,@(R5)		; STUFF SECOND STREET # POINTER
85	000356	162715	000016		SUB	#16,(R5)		; ADDRESS IWORK(5)
86	000362	017503	000000		MOV	@(R5),R3		; LOAD LAST INPUT WORD
87	000366	010304			MOV	R3,R4		; LOAD INTO REG#4
88	000370	042704	177600		BIC	#177600,R4		; MASK OUT BITS 15-7
89	000374	062715	000020		ADD	#20,(R5)		; ADDRESS IWORK(13)
90	000400	010475	000000		MOV	R4,@(R5)		; STUFF CITY # POINTER
91	000404	010304			MOV	R3,R4		; LOAD WORD
92	000406	005067	177366		CLR	INDX		; ZERO COUNTER
93	000412	006004		60\$:	ROR	R4		; ROTATE RIGHT 1 BIT
94	000414	005267	177360		INC	INDX		; INCREMENT COUNTER
95	000420	026727	177354	000007	CMP	INDX,#7		; DONE 7 TIMES?
96	000426	002771			BLT	60\$		; NO, LOOP
97	000430	042704	177000		BIC	#177000,R4		; MASK OUT BITS 15-9
98	000434	062715	000002		ADD	#2,(R5)		; ADDRESS IWORK(14)
99	000440	010475	000000		MOV	R4,@(R5)		; STUFF TRACK CHARACTER
100	000444	000167	000660		JMP	10\$		; ALL DONE, RETURN
101	000450	026727	177326	000013	CMP	TEMP,#13		; TEST FOR TYPE #2
102	000456	001121		50\$:	BNE	70\$		; BRANCH NOT TYPE #2
103	000460	012775	000002	000000	MOV	#2,@(R5)		; STUFF (2) IN TO IWORK(1)
104	000466	062715	000024		ADD	#24,(R5)		; ADDRESS IWORK(11)
105	000472	042704	177600		BIC	#177600,R4		; MASK OUT BITS 15-7
106	000476	010475	000000		MOV	R4,@(R5)		; STUFF SENSOR STATUS INTO IWORK(12)
107	000502	010304			MOV	R3,R4		; RELOAD WORD
108	000504	005067	177270		CLR	INDX		; ZERO COUNTER
109	000510	006004		80\$:	ROR	R4		; ROTATE RIGHT 1 BIT
110	000512	005267	177262		INC	INDX		; INCREMENT COUNTER
111	000516	026727	177256	000007	CMP	INDX,#7		; DONE 7 TIMES?
112	000524	002771			BLT	80\$		; NO, LOOP
113	000526	042704	177000		BIC	#177000,R4		; MASK OUT BITS 15-9
114	000532	062715	000002		ADD	#2,(R5)		; ADDRESS IWORK(12)

115	000536	010475	000000		MOV	R4,@(R5)		; STUFF SENSOR DISABLED
116	000542	162715	000020		SUB	#20,(R5)		; ADDRESS IWORK(4)
117	000546	017503	000000		MOV	@(R5),R3		; LOAD IWORK(4)
118	000552	010304			MOV	R3,R4		; LOAD IWORK(4)
119	000554	042704	177600		BIC	#177600,R4		; MASK OUT BITS 15-7
120	000560	062715	000022		ADD	#22,(R5)		; ADDRESS IWORK(13)
121	000564	010475	000000		MOV	R4,@(R5)		; STUFF PROCESSING FLAGS
122	000570	010304			MOV	R3,R4		; RELOAD WORD
123	000572	005067	177202		CLR	INDX		; ZERO COUNTER
124	000576	006004		908:	ROR	R4		; ROTATE RIGHT 1 BIT
125	000600	005267	177174		INC	INDX		; INCREMENT COUNTER
126	000604	026727	177170	000007	CMP	INDX,#7		; DONE 7 TIMES?
127	000612	002771			ALT	908		; NO, LOOP
128	000614	042704	177000		BIC	#177000,R4		; MASK OUT BITS 15-9
129	000620	062715	000002		ADD	#2,(R5)		; ADDRESS IWORK(14)
130	000624	010475	000000		MOV	R4,@(R5)		; STUFF LINE COLOR DATA
131	000630	162715	000022		SUB	#22,(R5)		; ADDRESS IWORK(5)
132	000634	017503	000000		MOV	@(R5),R3		; LOAD LAST WORD
133	000640	010304			MOV	R3,R4		; LOAD WORD
134	000642	042704	177600		BIC	#177600,R4		; MASK OUT BITS 15-7
135	000646	062715	000024		ADD	#24,(R5)		; ADDRESS IWORK(15)
136	000652	010475	000000		MOV	R4,@(R5)		; STUFF BACKLIFT SENSOR
137	000656	010304			MOV	R3,R4		; RELOAD WORD
138	000660	005067	177114		CLR	INDX		; ZERO COUNTER
139	000664	006004		1008:	ROR	R4		; ROTATE RIGHT 1 BIT
140	000666	005267	177106		INC	INDX		; INCREMENT COUNTER
141	000672	026727	177102	000007	CMP	INDX,#7		; DONE 7 TIMES?
142	000700	002771			HLT	1008		; NO, LOOP
143	000702	042704	177000		BIC	#177000,R4		; MASK OUT BITS 15-9
144	000706	062715	000002		ADD	#2,(R5)		; ADDRESS IWORK(16)
145	000712	010475	000000		MOV	R4,@(R5)		; STUFF BACKLIFT FLAG
146	000716	000167	000406		JMP	108		; ALL DONE, EXIT
147	000722	016767	177054	177054	MOV	TEMP,KEEP		; SAVE MESSAGE TYPE
148	000730	042767	177760	177044	BIC	#177760,TEMP		; MASK OUT BITS 15-4
149	000736	026727	177040	000014	CMP	TEMP,#14		; TYPE #3?
150	000744	001101			BNE	1108		; NO BRANCH
151	000746	016704	177032		MOV	KEEP,R4		; RELOAD MESSAGE TYPE
152	000752	005067	177022		CLR	INDX		; ZERO COUNTER
153	000756	006004		1208:	ROR	R4		; ROTATE RIGHT 1 BIT
154	000760	005267	177014		INC	INDX		; INCREMENT COUNTER
155	000764	026727	177010	000004	CMP	INDX,#4		; DONE 4 TIMES?
156	000772	002771			BLT	1208		; NO, LOOP
157	000774	042704	177776		BIC	#177776,R4		; MASK OUT BITS 15-1
158	001000	012775	000003	000000	MOV	#3,@(R5)		; STUFF (3) INTO IWORK(1)
159	001006	062715	000024		ADD	#24,(R5)		; ADDRESS IWORK(11)
160	001012	010475	000000		MOV	R4,@(R5)		; STUFF ALERT/ALARM DATA
161	001016	162715	000020		SUB	#20,(R5)		; ADDRESS IWORK(3)
162	001022	017503	000000		MOV	@(R5),R3		; LOAD IWORK(3)
163	001026	062715	000002		ADD	#2,(R5)		; ADDRESS IWORK(4)
164	001032	017504	000000		MOV	@(R5),R4		; LOAD IWORK(4)
165	001036	062715	000020		ADD	#20,(R5)		; ADDRESS IWORK(12)
166	001042	010375	000000		MOV	R3,@(R5)		; STUFF STREET # POINTER
167	001046	062715	000002		ADD	#2,(R5)		; ADDRESS IWORK(13)
168	001052	010475	000000		MOV	R4,@(R5)		; STUFF STREET # POINTER
169	001056	162715	000020		SUB	#20,(R5)		; ADDRESS IWORK(5)
170	001062	017503	000000		MOV	@(R5),R3		; LOAD WORD
171	001066	010304			MOV	R3,R4		;

172	001070	042704	177400		BIC	#177400,R4	; MASK OUT BITS 15-8
173	001074	062715	000022		ADD	#22,(R5)	; ADDRESS IWORD(14)
174	001100	010475	000000		MOV	R4,@(R5)	; STUFF CITY # POINTER
175	001104	010304			MOV	R3,R4	; LOAD WORD
176	001106	005067	176666		CLR	INDX	; ZERO COUNTER
177	001112	006004		1308:	ROR	R4	; ROTATE RIGHT 1 BIT
178	001114	005267	176660		INC	INDX	; INCREMENT COUNTER
179	001120	026727	176654	000010	CMP	INDX,#10	; DONE 8 TIMES?
180	001126	002771			BLT	1308	; NO, LOOP
181	001130	042704	177400		BIC	#177400,R4	; MASK OUT BITS 15-8
182	001134	062715	000002		ADD	#2,(R5)	; ADDRESS IWORD(15)
183	001140	010475	000000		MOV	R4,@(R5)	; STUFF MESSAGE CODE
184	001144	000167	000160		JMP	106	; ALL DONE, EXIT
185	001150	026727	176626	000015	CMP	TEMP,#15	; TYPE #4
186	001156	001061			BNE	1406	; ERROR, TYPE NOT FOUND
187	001160	012775	000004	000000	MOV	#4,@(R5)	; STUFF (4) INTO IWORD(1)
188	001166	062715	000004		ADD	#4,(R5)	; ADDRESS IWORD(3)
189	001172	016704	176606		MOV	KEEP,R4	; LOAD MESSAGE TYPE
190	001176	005067	176576		CLR	INDX	; ZERO COUNTER
191	001202	006004		1508:	ROR	R4	; ROTATE RIGHT 1 BIT
192	001204	005267	176570		INC	INDX	; INCREMENT COUNTER
193	001210	026727	176564	000004	CMP	INDX,#4	; DONE 4 TIMES?
194	001216	002771			BLT	1508	; NO, LOOP
195	001220	042704	177776		BIC	#177776,R4	; MASK OUT BITS 15-1
196	001224	062715	000024		ADD	#24,(R5)	; ADDRESS IWORD(11)
197	001230	010475	000000		MOV	R4,@(R5)	; STUFF ALERT/ALARM CODE
198	001234	162715	000020		SUB	#20,(R5)	; ADDRESS IWORD(3)
199	001240	017503	000000		MOV	@(R5),R3	; LOAD WORD 3
200	001244	062715	000002		ADD	#2,(R5)	; ADDRESS IWORD(4)
201	001250	017504	000000		MOV	@(R5),R4	; LOAD WORD #4
202	001254	062715	000002		ADD	#2,(R5)	; LOAD LAST WORD
203	001260	017567	000000	176516	MOV	@(R5),KEEP	
204	001266	062715	000016		ADD	#16,(R5)	; ADDRESS IWORD(12)
205	001272	010375	000000		MOV	R3,@(R5)	; STUFF SENSOR DATA
206	001276	062715	000002		ADD	#2,(R5)	; ADDRESS IWORD(13)
207	001302	010475	000000		MOV	R4,@(R5)	; STUFF DISABLE SENDERS
208	001306	062715	000002		ADD	#2,(R5)	; ADDRESS IWORD(14)
209	001312	016775	176466	000000	MOV	KEEP,@(R5)	; STUFF SPARE
210	001320	000403			BR	106	; ALL DONE, EXIT
211	001322	012775	000005	000000	MOV	#5,@(R5)	; STUFF (5) INTO IWORD(1)
212	001330	016703	176452	108:	MOV	SAVE,R3	; RESTORE REG #3
213	001334	016704	176450		MOV	SAVE+2,R4	; RESTORE REGISTER #4
214	001340	016705	176446		MOV	SAVE+4,R5	; RESTORE REGISTER #5
215	001344				RETURN		
216		000001			.END		

DATA DUMP

116205 13302 120401 0 0 0 702 120657 0 0
 0 13303 121013 0 0 0 703 121270 0 0
 0 702 121650 0 0 0 5706 121656 0 0
 0 703 121667 0 0 0 5707 121673 0 0
 0 2203 121750 2226 121750 1603 121750 1626 121751 2203
 122151 2226 122151 1603 122151 1626 122152 2203 122352 2226
 122352 1524 122353 0 0 2 1527 122353 0 0
 0 1530 122353 0 0 2 1603 122353 1626 122353
 1524 122355 0 0 2 1527 122355 0 0 0
 1530 122355 0 0 2 1524 122357 0 0 2
 1527 122357 0 0 2 1530 122357 0 0 2
 1524 122361 0 0 2 1527 122361 0 0 0
 1530 122361 0 0 2 1524 122363 0 0 2
 1527 122363 0 0 0 1530 122363 0 0 2
 1524 122366 0 0 2 1527 122366 0 0 0
 1530 122366 0 0 2 1524 122370 0 0 2
 1527 122370 0 0 0 1530 122370 0 0 2
 1524 122372 0 0 2 1527 122372 0 0 0
 1530 122372 0 0 2 13125 122411 0 0 2
 13127 122411 23252 101 0 13131 122411 0 0 2
 2203 122551 2226 122551 1603 122551 1626 122552 1302 122711
 34070 30461 0 4702 122717 0 0 0 2702 122726
 0 0 0 2302 122736 0 0 0 1702 122744
 0 0 0 2203 122751 2226 122751 1603 122751 1626
 122752 1303 122762 31461 62 0 4703 122771 0 0
 0 2703 123001 0 0 0

** THE DATE OF DATA ACQUISITION WAS 01/5/1978 **

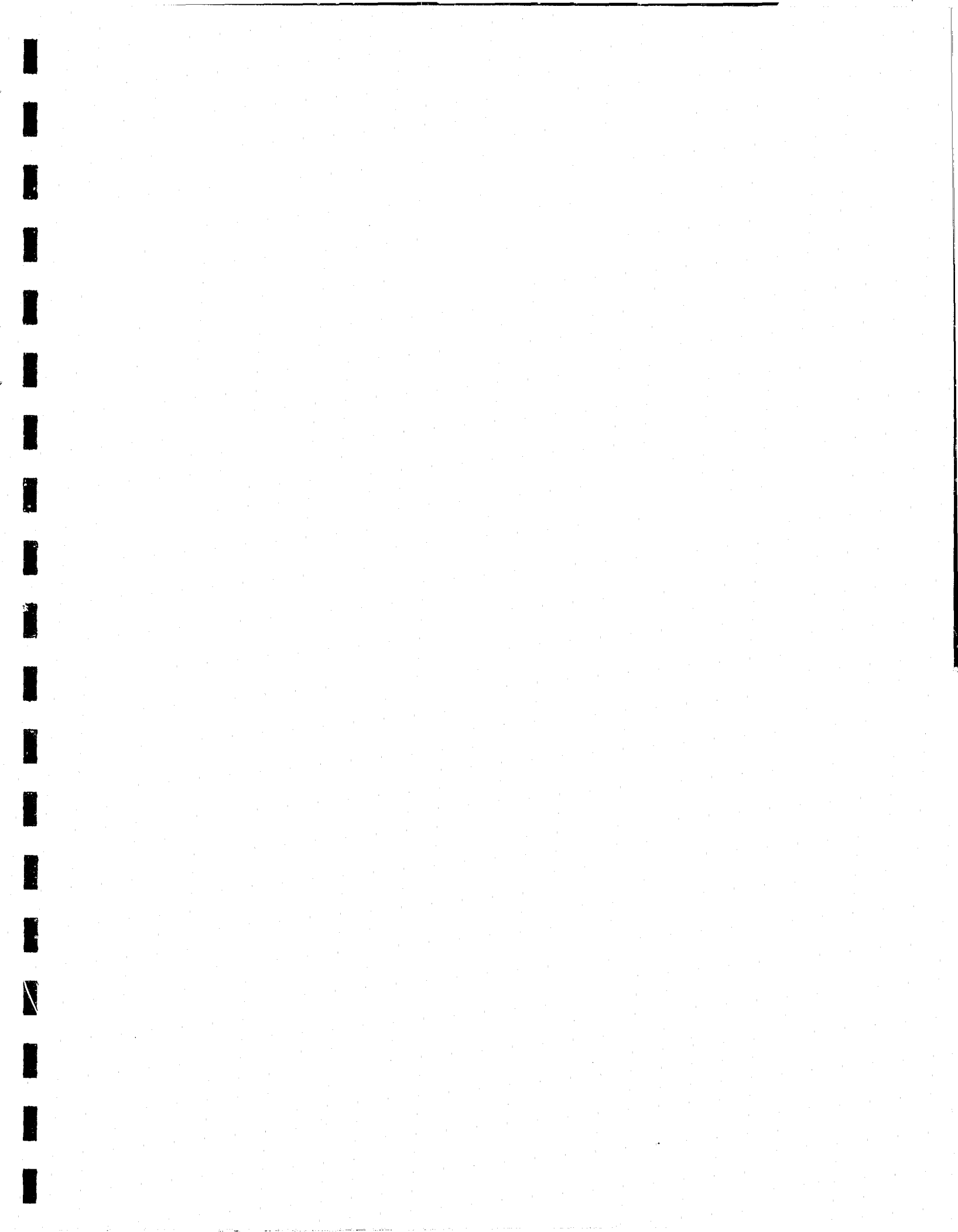
** DISPATCH STATION UP-LINK DATA ** TRANSCON = COMMAND TYPE = 1 COMMAND = 26 TIME = 10: 0: 1
 VEH = 0 DAY = 0 VEH ID = 0 TRUCKING CO = 0
 ** DISPATCH STATION UP-LINK DATA ** TRANSCON = COMMAND TYPE = 1 COMMAND = 1 TIME = 10: 6:47
 VEH = 0 DAY = 0 VEH ID = 0 TRUCKING CO = 0
 ** DISPATCH STATION UP-LINK DATA ** GI TRUCK = COMMAND TYPE = 1 COMMAND = 26 TIME = 10: 8:11
 VEH = 0 DAY = 0 VEH ID = 0 TRUCKING CO = 0
 ** DISPATCH STATION UP-LINK DATA ** GI TRUCK = COMMAND TYPE = 1 COMMAND = 1 TIME = 10:10:56
 VEH = 0 DAY = 0 VEH ID = 0 TRUCKING CO = 0
 ** DISPATCH STATION UP-LINK DATA ** TRANSCON = COMMAND TYPE = 1 COMMAND = 1 TIME = 10:14:40
 VEH = 0 DAY = 0 VEH ID = 0 TRUCKING CO = 0
 ** DISPATCH STATION UP-LINK DATA ** TRANSCON = COMMAND TYPE = 3 COMMAND = 13 TIME = 10:14:46
 VEH = 0 DAY = 0 VEH ID = 0 TRUCKING CO = 0
 ** DISPATCH STATION UP-LINK DATA ** GI TRUCK = COMMAND TYPE = 1 COMMAND = 1 TIME = 10:14:55
 VEH = 0 DAY = 0 VEH ID = 0 TRUCKING CO = 0
 ** DISPATCH STATION UP-LINK DATA ** GI TRUCK = COMMAND TYPE = 3 COMMAND = 13 TIME = 10:14:59
 VEH = 0 DAY = 0 VEH ID = 0 TRUCKING CO = 0
 ** VEHICLE DOWN-LINK DATA ** VEHICLE NO. = 3 DATA 4 TIME = 10:15:40
 ** VEHICLE DOWN-LINK DATA ** VEHICLE NO. = 22 DATA 4 TIME = 10:15:40
 ** VEHICLE DOWN-LINK DATA ** VEHICLE NO. = 3 DATA 3 TIME = 10:15:40
 ** VEHICLE DOWN-LINK DATA ** VEHICLE NO. = 22 DATA 3 TIME = 10:15:41
 ** VEHICLE DOWN-LINK DATA ** VEHICLE NO. = 3 DATA 4 TIME = 10:17:41
 ** VEHICLE DOWN-LINK DATA ** VEHICLE NO. = 22 DATA 4 TIME = 10:17:41
 ** VEHICLE DOWN-LINK DATA ** VEHICLE NO. = 3 DATA 3 TIME = 10:17:41
 ** VEHICLE DOWN-LINK DATA ** VEHICLE NO. = 22 DATA 3 TIME = 10:17:42
 ** VEHICLE DOWN-LINK DATA ** VEHICLE NO. = 3 DATA 4 TIME = 10:19:42
 ** VEHICLE DOWN-LINK DATA ** VEHICLE NO. = 22 DATA 4 TIME = 10:19:42
 ** DISPATCH STATION DOWN-LINK DATA ** TRANSCON VEHICLE ID = 3 TIME = 10:19:43
 STREET POINTERS = 0 CITY POINTER = 2 TRACK CHARACTER = 0
 DISPATCH STATION DOWN-LINK DATA ** GI TRUCKING VEHICLE ID = 3 TIME = 10:19:43
 SENSOR STATUS = 0 SENSORS DISABLED = 0 PROCESSING FLAGS = 0 COLLR = 0


```

** DISPATCH STATION UP-LINK DATA ** 0 1 = V D = 0 1 23 0
** DISPATCH STATION UP-LINK DATA ** TRANSCOM - COMMAND TYPE = 1 COMMAND = 5 TIME = 10:23:22
VEH = 0 DAY = 0 VEH ID = 0 TRUCKING CO = 0
** DISPATCH STATION UP-LINK DATA ** TRANSCOM - COMMAND TYPE = 1 COMMAND = 4 TIME = 10:23:30
VEH = 0 DAY = 0 VEH ID = 0 TRUCKING CO = 0
** DISPATCH STATION UP-LINK DATA ** TRANSCOM - COMMAND TYPE = 1 COMMAND = 3 TIME = 10:23:36
VEH = 0 DAY = 0 VEH ID = 0 TRUCKING CO = 0
** VEHICLE DOWN-LINK DATA ** VEHICLE NO. = 3 DATA 4 TIME = 10:23:41
** VEHICLE DOWN-LINK DATA ** VEHICLE NO. = 22 DATA 4 TIME = 10:23:41
** VEHICLE DOWN-LINK DATA ** VEHICLE NO. = 3 DATA 3 TIME = 10:23:41
** VEHICLE DOWN-LINK DATA ** VEHICLE NO. = 22 DATA 3 TIME = 10:23:42
** DISPATCH STATION UP-LINK DATA ** GI TRUCK - COMMAND TYPE = 1 COMMAND = 2 TIME = 10:23:50
VEH = 31461 DAY = 62 VEH ID = 0 TRUCKING CO = 0
** DISPATCH STATION UP-LINK DATA ** GI TRUCK - COMMAND TYPE = 1 COMMAND = 11 TIME = 10:23:57
VEH = 0 DAY = 0 VEH ID = 0 TRUCKING CO = 0
** DISPATCH STATION UP-LINK DATA ** GI TRUCK - COMMAND TYPE = 1 COMMAND = 5 TIME = 10:24: 1
VEH = 0 DAY = 0 VEH ID = 0 TRUCKING CO = 0

```

LISTING OF
SURVEY DATA



PERTEST LAW SURVEY

1	1	5	3	4	1	2	1	3	2
2	1	2	2	4	1	3	1	4	1
2	2	3	3	3	2	3	2	2	2
2	2	3	4	4	2	2	1	1	2
5	1	5	5	5	5	5	1	5	5
2	2	3	4	4	2	2	2	2	2
1	2	3	3	3	2	2	1	4	1
2	1	3	2	3	1	2	1	4	3
2	2	2	4	4	2	2	1	4	2
2	2	4	3	2	2	1	1	2	2
1	2	2	3	2	2	1	1	2	1
1	2	3	3	3	2	1	1	4	1
2	2	3	3	3	1	1	1	5	1
2	2	3	3	3	2	2	2	3	1
2	2	3	3	3	2	2	1	5	1
2	2	3	3	3	2	2	1	1	1
2	3	3	3	3	2	3	2	4	2
2	2	3	3	3	2	2	2	2	1
2	2	3	3	4	3	3	2	2	3
1	1	4	3	2	2	2	1	1	1
2	1	3	3	3	2	2	1	3	2
2	2	3	3	3	2	2	3	3	2
1	1	3	3	2	2	2	1	5	2
1	2	3	3	4	2	1	1	2	3
1	1	3	4	2	2	2	1	5	2
2	2	3	3	4	2	2	2	3	2
2	2	3	3	3	2	1	2	2	1
2	2	3	3	3	2	3	3	3	2
2	2	2	2	3	2	2	1	4	2
3	3	3	3	2	2	1	1	3	1

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QUESTION 0

SEE SURVEY FOR QUESTIONS

GI AND TRANSCON PRETEST DRIVERS SURVEY

38

48

2	3	3	3	2	3	3	3	4	3	2	2	2	1	3	3	1
2	2	2	2	2	2	2	3	4	2	2	2	2	1	2	2	2
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2	3	2	2	2	2	2	3	3	3	1	2	2	1	4	3	5
1	1	1	1	1	1	1	2	2	1	1	2	2	1	4	4	6
4	4	4	2	3	4	4	1	4	3	1	2	2	1	2	3	7
5	4	4	3	3	4	4	4	4	4	1	2	2	1	2	3	8
3	2	2	3	2	2	2	4	2	2	2	2	2	1	2	3	9
2	3	2	2	2	2	2	2	2	3	2	2	2	1	3	3	10
2	4	2	1	3	3	3	3	2	3	1	2	2	1	3	2	11
2	3	3	2	3	3	3	3	1	3	1	1	2	1	4	3	12
2	3	2	2	2	2	2	3	3	2	1	2	2	1			13
1	3	3	3	1	3	3	3	3	3	2	2	2	1	3		14
2	4	2	2	2	2	2	3	2	2	1	2	2	1	2	3	15
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2	2	2	2	2	2	2	2	2	2	1	2	2		4	3	17
2	4	3	3	2	3	3	3	5	3	1	2	2	2	2	2	18
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2	4	2	2	2	2	2	2	2	3	3	1	2	2	2	3	20
2	2	2	2	3	2	3	1	1	3	2	2	2	2	2		21
2	3	2	4	4	3	3	3	3	3	1	2	2	2	3	3	22
2	3	2	2	3	3	3	3	3	2	2	2	2	2	4	4	23
2	4	4	2	2	4	4	4	4	4	2	2	2	2	3	3	24
3	4	2	2	2	5	2	1	4	3	1	2	2	2	4	4	25
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2	3	2	2	2	3	3	3	3	3	2	2	2	2	4		28
2	4	2	3	3	5	3	3	3	2	1	2	2	2	3	3	29
2	3	3	2	2	3	2	2	3	3	1	2	2	2	2	2	30
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2	4	1	2	2	2	2	2	4	2	2	2	2	2	3	3	37
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1	3	1	3	1	3	1	1	3	1	2	2	1	1	4	3	39
1	2	1	2	2	4	2	2	4	2	2	2	1	2	4	4	40
2	3	2	2	2	2	2	2	3	2	2	2	1	2	4	3	41
2	3	2	2	3	2	2	4	2	2	2	1	1	2	4	4	42
2	3	2	2	1	2	2	3	3	2	2	2	1	2	4	4	43
3	5	5	5	5	5	5	5	5	5	2	2	1		4	4	44
3	3	2	2	3	3	3	3	5	3	2		1		4	4	45
3	5	5	5	5	5	5	5	5	5	2	1	1		4	3	46
2	3	3	2	2	2	2	2	3	2	2		1		4	3	47
2	4	3	2	4	4	4	2	4	4	2	2	1		4	3	48
3	3	3	3	3	3	3	3	3	3	2	2	1	2	4	3	49
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2	4	4	4	2	4	4	4	4	3	2	2	1	2	4	4	51
2	3	2	2	2	2	2	2	4	2	2	2	1	1	4	4	52
3	3	2	4	2	2	4	3	2	2	2	2	1	2	4	3	53
3	3	3	3	2	2	3	3	3	3	2	2	1	2	4	2	54
3	3	3	3	2	2	3	3	2	3	2	2	1	2	4	4	55
3	3	3	3	3	3	3	3	3	3	2	2	1	1	4	4	56
3	4	3	3	3	1	3	3	5	3	2	2	2	2	4	4	57
3	2	2	5	2	2	5	2	5	3	2	2	1	2	4	3	58
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4	4	2	4	4	4	4	5	4	5	2	1	1	1	4	3	60

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1	1	1	1	1	1	1	1	1	1	2	1	1	2	4	26
1	2	1	1	2	2	2	2	4	2	2	1	1	2	4	27
3	3	3	3	3	3	3	3	3	3	2	2	1	2	4	28
3	3	3	3	3	3	3	3	3	3	2	2	1	2	4	29
3	3	3	3	3	3	3	3	3	3	2	2	1	1	4	30
3	3	3	3	3	3	3	3	3	3	2	2	1	1	4	31
		4	3	4	3	4	3	4	5	2	1	1	1	4	32
2	5	3	5	3	3	5	5	5	3	2	2	1	2	4	33
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3	3	3	3	3	3	3	3	3	3	2	2	1	2	4	38
1	2	2	2	1	3	2	3	3	3	2	2	1	2	4	39
3	3	3	3	3	3	3	3	3	3	2	2	1	1	4	40
4	4	4	4	4	3	4	4	4	5	2	2	1	2	4	41
3	3	3	2	5	3	5	5	3	5	2	2	1	2	4	42
1	3	1	2	1	1	2	3	3	2	2	1	1	1	4	43
2	4	3	3	3	2	4	3	4	3	2	1	1	1	4	44
3	3	3	3	4	2	3	4	5	5	2	2	1	2	4	45
2	3	2	2	2	2	2	3	2	2	2	1	1	2	4	46
3	3	3	4	2	3	3	4	3	3	2	2	1	2	4	47
2	2	2	2	1	5	2	2	5	2	2	2	1	3	4	48

I UNDERSTAND THE PURPOSE OF CBS
 THE CBS WILL MAKE MY JOB EASIER
 THE CBS WILL MAKE MY JOB SAFER
 CBS WILL NOT INTERFERE WITH MY DOING MY JOB
 CBS WILL REDUCE HIJACK DANGERS
 CBS IS GOOD FOR OWNER DRIVERS
 CBS IS GOOD FOR COMPANY EMPLOYED DRIVERS
 CBS SHOULD BE SUPPORTED BY THE UNION
 CBS WILL REDUCE THE TIME I HAVE TO SPEND TALKING TO DISPATCHER OVER THE RADIO
 CBS IS A GOOD IDEA
 I OWN MY OWN TRUCK
 I PARTICIPATED IN THE PILOT STUDY
 I BELONG TO THE UNION
 MY ROUTE IS IN THE TEST AREA
 HOW MANY YEARS HAVE YOU BEEN A TRUCK DRIVER
 HOW MANY YEARS HAVE YOU WORKED FOR THIS COMPANY

H 1	017	3174.2	4037.7	7211.9	577.1	412.6	989.7	E 3188.6	3782.8
H 1	027	2615.7	4208.0	6823.7	432.7	550.0	982.8	E 2591.2	4044.3
H 1	037	2726.3	5004.0	7730.3	401.6	629.3	1030.9	E 2658.7	4788.3
H 1	047	2646.2	4759.1	7405.3	311.8	490.0	801.8	E 3271.1	5455.3
H 1	057	2646.2	4759.1	7405.3	311.8	490.0	801.8	E 2514.3	4461.7
H 1	067	2587.6	4269.4	6857.0	354.1	407.2	761.2	E 2500.5	3975.0
H 1	077	3297.9	5745.9	9043.8	425.6	666.7	1092.3	E 3164.9	5450.7
H 1	087	2762.4	4798.5	7561.0	371.8	519.7	891.4	E 2664.0	4520.0
H 1	097	2631.6	4653.2	7284.8	420.0	517.5	937.5	E 2593.6	4395.1
H 1	107	3394.9	6293.3	9688.2	482.3	785.4	1267.6	E 3295.6	6016.3
H 1	117	2469.7	4612.9	7082.6	371.3	536.3	907.6	E 2414.9	6016.9
H 1	127	3292.1	5435.1	8727.2	473.0	657.3	1130.3	E 3200.0	5178.0
H 1	018	2562.2	4476.0	7038.2	416.8	583.5	1000.3	E 2532.2	4300.6
H 1	028	2519.8	4084.0	6603.8	466.6	769.3	1235.8	E 2538.4	4125.3
H 1	038	2662.0	4247.0	6909.1	478.6	1015.6	1497.2	E 2669.5	4473.2
H 1	048	3374.2	4672.7	8046.9	634.2	1104.7	1739.0	E 3407.1	4910.8
H 1	058	2729.6	4141.2	6870.8	486.0	629.8	1115.0	E 2733.3	4055.4
H 1	069	3268.1	5274.3	8542.4	526.6	885.8	1382.4	E 3225.5	5210.6

W 1 017	1047800	10983000	12030800
W 1 027	2899900	8649831	11749731
W 1 037	4569521	14814731	10245210
W 1 047	6167856	8786068	14953924
W 1 057	5248379	7163836	12412215
W 1 067	4863921	6604177	11468098
W 1 077	6141279	8945390	15086669
W 1 087	5194338	7018922	12213260
W 1 097	3953345	7808067	11761412
W 1 107	7254867	5998570	13253437
W 1 117	5180318	6701925	11882243
W 1 127	6416169	8619102	15035271
W 1 019	5070507	6810106	11880613
W 1 028	5507875	4728742	10236617
W 1 038	8707545	5854385	14261930
W 1 048	6866830	7340993	14207823
W 1 058	7061623	7177344	14238967
W 1 068	6809748	9139159	15948904

R 1 017	1712000	027	1890000	037	2141000
R 1 047	1881000	057	1938000	067	2093000
R 1 077	1944000	087	2302000	097	2222000
R 1 107	2326000	117	2145000	127	2106000
R 1 018	2149000	028	1885000	038	2496000
R 1 048	2255000	058	2396000	068	2441000



CONTINUED

2 OF 3

H 2 036	3128.8	15827.9	18956.7	877.0	3301.7	4178.7	E 3404.9	16260.2
H 2 046	3144.0	21862.4	25006.4	902.3	4113.2	5015.5	E 3439.4	22079.3
H 2 056	3960.0	14318.4	18278.4	1168.6	3925.0	4193.6	E 4359.3	14741.9
H 2 066	3088.0	20557.8	23645.8	888.6	3800.4	4689.0	E 3380.1	20704.5
H 2 076	2064.0	16835.0	18899.0	887.3	2850.4	3737.7	E 2508.6	16732.6
H 2 086	3960.0	14886.4	18846.4	1098.5	2789.8	3888.3	E 4299.7	15024.8
H 2 096	2968.0	20259.3	23227.3	850.1	3077.6	3927.7	E 3245.4	19836.4
H 2 106	3928.0	15620.1	19548.1	1081.0	3064.6	4145.6	E 4257.7	15882.0
H 2 116	3024.0	15967.3	18991.3	937.6	2713.8	3551.4	E 3282.4	15879.9
H 2 126	3840.0	18907.7	22747.7	1033.7	2864.0	3897.7	E 4142.6	18505.9
H 2 017	3184.0	15268.6	18452.6	806.3	2433.7	3240.0	E 3391.8	15047.0
H 2 027	3063.2	15901.1	18964.3	837.6	2846.4	3684.0	E 3315.7	15935.4
H 2 037	3160.0	22269.3	25429.3	890.7	3925.8	4816.5	E 3443.1	22265.8
H 2 047	3184.0	16787.5	19971.5	885.3	2874.7	3760.0	E 3458.9	16712.9
H 2 057	3947.7	15436.8	19384.5	1102.9	8232.0	9334.9	E 4293.0	20118.5
H 2 067	3062.0	21516.0	24578.0	889.4	4021.9	4911.3	E 3358.7	21707.2
H 2 077	3890.0	15586.3	19476.3	1120.0	3118.5	4238.5	E 4258.5	15899.1
H 2 087	3136.0	9601.2	12737.2	981.0	3675.4	4656.4	E 3499.5	11285.1
H 2 097	3096.0	10561.8	13657.8	1021.0	3877.2	4898.2	E 3499.5	12273.2
H 2 107	3952.0	13274.7	17226.7	1233.0	5236.0	6469.0	E 4407.3	15734.1
H 2 117	3200.0	11321.1	14521.1	978.9	3751.8	4730.7	E 3552.1	12812.0
H 2 127	2645.8	15305.7	17951.5	844.1	4549.4	5393.5	E 2966.4	16876.8
H 2 018	3789.2	13293.8	17083.0	1149.8	2503.3	3653.1	E 4198.2	13427.8
H 2 028	3090.7	14052.1	17142.8	961.9	2275.5	3237.4	E 3444.7	13878.5
H 2 038	1726.8	16711.2	18438.0	994.4	3798.5	3792.9	E 2313.0	16583.2
H 2 048	3938.8	19010.8	22949.6	1243.1	3888.9	5132.3	E 4404.6	19464.7
H 2 058	3181.8	15147.1	18329.9	979.8	2464.9	3444.7	E 3537.4	14970.2
H 2 068	3128.0	17646.5	20774.5	974.3	3513.5	4487.8	E 3487.0	17986.0

W 2 036	5217781	50390214	55607995
W 2 046	5241437	49052527	54293964
W 2 056	6739191	35561566	42300727
W 2 066	5529518	45425091	50954609
W 2 076	5449105	40639156	46088261
W 2 086	6839911	40571637	47411548
W 2 096	4905786	39342756	44248542
W 2 106	6816382	38905955	45722937
W 2 116	4833661	43368033	48201694
W 2 126	6264802	36546930	42811732
W 2 017	4937042	39644689	44581031
W 2 027	5230881	39113413	44344294
W 2 037	5670494	50686710	56357204
W 2 047	5499588	43310126	48809714
W 2 057	6980930	39975048	46955978
W 2 067	5402416	45635034	51037450
W 2 077	7036322	36727876	43764198
W 2 087	5620356	40373198	45993554
W 2 097	5665946	37138974	42804920
W 2 107	6238959	51511226	57750185
W 2 117	5185237	40639021	45824258
W 2 127	5387443	29038756	34426199
W 2 018	6321973	46799321	53120394
W 2 028	5359303	38771131	44130434
W 2 038	5664159	38577324	44241483
W 2 048	7232240	56436952	63669192
W 2 058	5622093	42387288	48009381
W 2 068	5412231	52795734	58207965

R 2 036	823887	046	703293	056	696867
R 2 066	781584	076	717568	086	786693
R 2 096	750588	106	764746	116	763726
R 2 126	705650	017	779969	027	759357
R 2 037	968835	047	865716	057	867459
R 2 067	939289	077	865949	087	969667
R 2 097	970941	107	975196	117	982541
R 2 127	846632	018	935741	028	879247
R 2 038	1141538				
R 2 048	1038309	058	1175330	068	1214245

H 4 096	13608.0	13608.0	3861.0	3861.0	E	14848.7
H 4 106	14896.0	14896.0	4021.0	4021.0	E	16079.5
H 4 116	14259.0	14259.0	3097.0	3097.0	E	14752.6
H 4 126	15631.0	15631.0	4689.0	4689.0	E	17272.0
H 4 017	15666.0	15666.0	3338.0	3338.0	E	16153.4
H 4 027	12824.0	12824.0	2711.0	2711.0	E	13204.8
H 4 037	13607.0	13607.0	3208.0	3208.0	E	14292.8
H 4 047	16557.0	16557.0	4069.0	4069.0	E	17532.1
H 4 057	12910.0	12910.0	3567.0	3567.0	E	14005.5
H 4 067	11798.0	11798.0	3381.0	3381.0	E	12902.2
H 4 077	14797.0	14797.0	3442.0	3442.0	E	15503.2
H 4 087	11460.0	11460.0	3175.0	3175.0	E	12439.8
H 4 097	11530.0	11530.0	2882.0	2882.0	E	12250.2
H 4 107	15545.0	15545.0	3815.0	3815.0	E	16456.0
H 4 117	10990.0	10990.0	3051.0	3051.0	E	11934.9
H 4 127	14133.0	14133.0	3751.0	3751.0	E	15201.4
H 4 018	11090.0	11090.0	2343.0	2343.0	E	11418.1
H 4 028	12805.0	12805.0	2539.0	2539.0	E	13042.4
H 4 038	15299.0	15299.0	3481.0	3481.0	E	15963.0
H 4 048	12658.0	12658.0	3068.0	3068.0	E10759.3	2607.8
H 4 058	12201.0	12201.0	2397.0	2397.0	E10370.9	2037.5
H 4 068	14439.0	14439.0	3393.0	3393.0	E12273.2	2884.1

W 4 096	16824	16824
W 4 106	15714	15714
W 4 116	15917	15917
W 4 126	15603	15603
W 4 017	13900	13900
W 4 027	13367	13367
W 4 037	14527	14527
W 4 047	15420	15420
W 4 057	15741	15741
W 4 067	15799	15799
W 4 077	13506	13506
W 4 087	15959	15959
W 4 097	16064	16064
W 4 107	15020	15020
W 4 117	16543	16543
W 4 127	15163	15163
W 4 018	13002	13002
W 4 028	13718	13718
W 4 038	16091	16091
W 4 048	13708	13708
W 4 058	14962	14962
W 4 068	15979	15979

R 4 096	509587	106	475991	116	493417
R 4 126	483707				
R 4 017	430903	027	414369	037	450336
R 4 047	509022	057	519617	067	521529
R 4 077	445829	087	526800	097	557884
R 4 107	521632	117	574553	127	526610
R 4 010	451564	028	476431	038	558849
R 4 040	476096	058	519631	068	554967

FORMS FOR DATA COLLECTION



WORKSHEET FOR TRANSCON CSS MANHOURS

WEEK ENDING	ALLMAN		ARQUELLO		ARCHULETA		BLACKBURN		BUCHANAN		BRIET- SCHWERDT		CASAS		FOWLER		GRABOWSKI		JENSEN		KAITA		LONGLEY		MARCELLA		MAGY		NORRIS		PARLATO		SHILLING		TODD		SUM HOURLY		
	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG

NOTES: 1. If time is missing for a driver for a week, use an estimate based upon previous history.
 2. Total for Terminal for this month is: _____ (_____ REG, _____ OT)

TOTAL CSS		
-----------	--	--

WORKSHEET FOR GI DRIVER MANHOURS

WEEK ENDING	McCARY		HATHAWAY		MELCHIONNE		MILLER		KOBY		DONOVAN		BATTY		SHAG I		SHAG II		SHAG III		SUM HOURLY	
	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT

- NOTES: 1. If time is missing for a driver for a week, use an estimate based upon previous history.
 2. Owner-drivers work 55 hrs/week (40 Reg. 15 Ot.).
 3. Total for Terminal for this month is:
 _____ (_____ REG, _____ OT)

TOTAL HOURLY FOR MONTH		
OWNER-DRIVERS		
# WEEKS X 400	→	
# WEEKS X 150	→	
TOTAL CSS		

WORKSHEET FOR GI CARGO WEIGHT

WEEK ENDING	CSS DRIVERS																			TERMINAL SUMMARY			
	McCARY	MADRID	HATHAWAY	WAREN	McCONKEY	ELLIOTT	MELCHIONNE	MILLER	BENNETT	KOBY	DONOVAN	BATTY	BOGGUESSE	MESSERLI	SAMBRANO	BOVERIL	HARWOOD	SHAG 1	SHAG 2		SHAG 3		
FROM DRIVER PRODUCTION REPORTS CSS TOTAL (A) _____ LBS																			TOTAL _____ LBS. ÷ 2 _____ LBS. ACTUAL TERMINAL WGT.				

ESTIMATED CSS TOTAL

$$\frac{\text{CSS TOTAL (A)}}{\text{NUMBER MAN-WEEKS SHOWN}^1} \times \text{NUMBER MAN WEEKS IN MO}^2 = \left(\frac{\quad}{\quad} \right) (\quad) = \text{_____ LBS.}^3$$

- NOTES: 1. The number of man-weeks shown is the number for which data is available on report
 2. The number of man-weeks in month is the total available for the 20 drivers. It will be either 80 or 100 for a 4 or a 5 week month, respectively.
 3. Enter on Form 14B

LOSS REPORT FORM

FREIGHT BILL NUMBER

--	--	--	--	--	--	--	--	--	--	--



DATE OF LOSS

--	--	--	--	--	--	--	--

TYPE OF MISSING GOODS (ICC CODE)

--	--	--	--	--	--

ROUTE NUMBER

--	--

TRUCK NUMBER

--	--	--	--	--	--

LOSS LOCATION (ENTER "1" IN APPROPRIATE COLUMN)

IN TRANSIT

ON DOCK

IN YARD

UNKNOWN

LOSS CATEGORY (ENTER "1" IN APPROPRIATE COLUMN)

HIJACK

THEFT OR SHORTAGE

PILFERAGE

DISPOSITION

DATE CLAIM FILED

--	--	--	--	--	--	--	--

AMOUNT CLAIMED (\$)

--	--	--	--	--	--	--	--

DATE CLAIM PAID

--	--	--	--	--	--	--	--

AMOUNT PAID (\$)

--	--	--	--	--	--	--	--

DATE OF RECOVERY

--	--	--	--	--	--	--	--

AMOUNT RECOVERED (\$)

--	--	--	--	--	--	--	--

INVOICE VALUE OF SHIPMENT (\$)

--	--	--	--	--	--	--	--

LOSS CAUSE (ENTER "1" IN APPROPRIATE COLUMN)

INTERNAL THEFT

EXTERNAL THEFT

MISPLACED GOODS

UNIDENTIFIED SHORTAGE

WORKSHEET FOR TRANSCON CSS MANHOURS

WEEK ENDING	ARQUELLO		ARCHULETA		BLACKBURN		BUCHANAN		BRIET-SCHWERDT		CASAS		FIRMANI		FOWLER		GAMBLE		GRABOWSKI		JENSEN		MARCELLA		NAGY		PARLATO		PARADES		PAYAN		SHILLING		TODD		SUM HOURLY	
	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT		
																												TOTAL CSS										

NOTES: 1. If time is missing for a driver for a week, use an estimate based upon previous history.
 2. Total for Terminal for this month is: _____ (_____ REG, _____ OT)

MONTHLY REVENUE

COMPANY _____

QUARTER/YEAR _____

REPORTING PERIOD (MONTH/YR)	REVENUE (FOR TERMINAL)

CARGO WEIGHT

Trucking Company _____

Quarter/Year _____

The tonnage of all pick-up and delivery operations is noted. It is assumed that all cargo delivered or picked-up outside of the test area is non-CSS. However, there may be some cargo delivered or picked-up in the test area by non-CSS trucks as indicated.

CARGO WEIGHT/MO.			
TEST AREA		OUT OF TEST AREA	TOTAL
CSS	NON-CSS		

NOTES: _____

77-1285

GI TRUCK EXPOSURE TIME

MO/YR	CSS		NON-CSS	
	TOTAL	85%	TOTAL	85%

77-1205

DRIVER MANHOURS/MO

TRUCKING COMPANY _____ QUARTER/YEAR _____

MONTH	DRIVER MANHOURS/MO.					
	REGULAR			OVERTIME		
	CSS	NON CSS	TOTAL	CSS	NON CSS	TOTAL

NOTES: _____

77-1205

PK ING:	Monday	TRANSCON Tuesday	CARGO WEIGHT Wednesday	WORKSHEET Thursday	Friday
07					
08					
110					
111					
112					
117					
118					
120					
121					
122					
24					
126					
129					
131					
132					
133					
134					
135					
141					

LOSS DATA LISTING

1. G.I. TRUCKING
2. TRANSCON LINES
RAW DATA-UNCORRECTED
3. BRAKE-MEIER

LOSS DATE	CLAIM DATE	DATE PAID	RECOVERY CLAIM DATE	GOODS MISSING	FREIGHT BILL	TRUCK NO.	ROUTE NO.	LOSS LOCATION	LOSS CATEGORY	LOSS CAUSE	AMOUNT CLAIMED	AMOUNT PAID	AMOUNT RECOVERED	AMOUNT SHIPPED	C S	T S		
112576	22577	43077	0	0	SHOES	78466	0000 000	UNKNOWN	LTFL	UNKNOWN	29.	29.	0.	10299.	*			
	477	43077	0	0	PAPER PRDT	792308	3066 015	UNKNOWN	LTFL	UNKNOWN	381.	381.	0.	381.	*			
2	777	22877	43077	0	0	TOILETRIES	918754	0000 050	UNKNOWN	LTFL	UNKNOWN	9.	9.	0.	36.	*		
11077	22877	43077	0	0	HARDWARE	887163	0118 025	UNKNOWN	LTFL	UNKNOWN	72.	72.	0.	1785.	*			
	877	43077	0	0	TOILETRIES	628469	0000 000	UNKNOWN	LTFL	MSPLCD	30.	30.	0.	30.	*			
11	676	22877	43077	0	0	TOILETRIES	823986	0000 000	UNKNOWN	LTFL	UNKNOWN	15.	15.	0.	15.	*		
	77	22477	43077	0	0	HARDWARE	904717	0000 000	UNKNOWN	LTFL	UNKNOWN	14.	14.	0.	270.	*		
22277	31077	43077	0	0	AUTO PARTS	935345	0000 000	UNKNOWN	LTFL	UNKNOWN	14.	14.	0.	1707.	*			
1	677	31077	43077	0	0	AUTO PARTS	883998	3074 021	UNKNOWN	LTFL	UNKNOWN	135.	135.	0.	189.	*		
22477	41477	43077	0	0	CLOTHING	32997	3045 047	UNKNOWN	LTFL	UNKNOWN	109.	109.	0.	4742.	*			
7	1776	3	477	43077	0	0	PHONO RCRD	687902	3070 036	UNKNOWN	LTFL	UNKNOWN	42.	42.	0.	462.	*	
	6	3	477	43077	0	0	PHONO RCRD	792222	0000 000	UNKNOWN	LTFL	UNKNOWN	391.	391.	0.	2811.	*	
12077	12077	43077	0	0	PHONO RCRD	869796	0000 000	UNKNOWN	LTFL	UNKNOWN	44.	44.	0.	2152.	*			
22277	3	377	43077	0	0	PAPER PRDT	937210	0000 000	UNKNOWN	LTFL	UNKNOWN	56.	56.	0.	56.	*		
	276	3	277	43077	0	0	PAPER PRDT	717075	0000 000	UNKNOWN	LTFL	UNKNOWN	15.	15.	0.	253.	*	
21877	3	277	43077	0	0	TOILETRIES	935318	0000 000	UNKNOWN	LTFL	UNKNOWN	33.	33.	0.	835.	*		
	6	3	177	43077	0	0	TOILETRIES	831621	0000 000	UNKNOWN	LTFL	UNKNOWN	27.	27.	0.	27.	*	
21577	3	177	43077	0	0	HARDWARE	929662	0000 000	UNKNOWN	LTFL	UNKNOWN	56.	56.	0.	185.	*		
2	177	3	177	43077	0	0	PAPER PRDT	912968	0000 C10	UNKNOWN	LTFL	UNKNOWN	45.	45.	0.	2692.	*	
12976	3	277	43077	0	0	TOYS	845647	0000 000	UNKNOWN	LTFL	UNKNOWN	198.	198.	0.	198.	*		
2	477	22877	43077	0	0	HARDWARE	918029	3045 047	UNKNOWN	LTFL	UNKNOWN	88.	88.	0.	1913.	*		
	77	43077	0	0	TV/RADIO	887882	0026 044	UNKNOWN	LTFL	UNKNOWN	467.	437.	0.	1310.	*			
91676	91676	43077	0	0	CLOTHING	766273	0000 061	UNKNOWN	LTFL	UNKNOWN	353.	353.	0.	353.	*			
21477	3	277	43077	0	0	PHONO RCRD	929476	3078 022	UNKNOWN	LTFL	UNKNOWN	1393.	1393.	0.	1393.	*		
	676	43077	0	0	LAMPS	691238	0000 000	UNKNOWN	LTFL	UNKNOWN	129.	129.	0.	129.	*			
21477	31077	43077	0	0	ELCTRC EQP	928879	0000 050	UNKNOWN	LTFL	UNKNOWN	109.	109.	0.	1611.	*			
	077	0	0	0	HARDWARE	929247	0000 058	UNKNOWN	LTFL	UNKNOWN	55.	55.	0.	55.	*			
122876	22377	43077	0	0	MISC NOI	876872	3155 013	UNKNOWN	LTFL	UNKNOWN	635.	635.	0.	635.	*			
11277	32177	43077	0	0	SHOES	81581	0000 061	UNKNOWN	LTFL	UNKNOWN	122.	122.	0.	11562.	*			
12	376	32177	43077	0	0	SHOES	71959	0000 000	UNKNOWN	LTFL	UNKNOWN	43.	43.	0.	3816.	*		
31877	32177	43077	0	0	TOILETRIES	966591	1184 012	UNKNOWN	LTFL	UNKNOWN	8.	8.	0.	867.	*			
1	477	3	177	43077	0	0	PAPER PRDT	885002	3120 039	UNKNOWN	LTFL	UNKNOWN	203.	203.	0.	2272.	*	
6	376	22577	43077	0	0	PAPER PRDT	658855	0000 000	UNKNOWN	LTFL	UNKNOWN	35.	35.	0.	619.	*		
101676	22277	43077	0	0	PAPER PRDT	800376	0000 000	UNKNOWN	LTFL	UNKNOWN	167.	167.	0.	2624.	*			
22377	22377	43077	0	0	TOILETRIES	874737	3070 036	UNKNOWN	LTFL	UNKNOWN	71.	71.	0.	348.	*			
12	376	22377	43077	0	0	FOOD GEN	852643	0000 000	UNKNOWN	LTFL	UNKNOWN	27.	27.	0.	2806.	*		
12	276	31077	43077	0	0	PAPER PRDT	851188	0000 000	UNKNOWN	LTFL	UNKNOWN	62.	62.	0.	1565.	*		
71676	22377	43077	0	0	PAPER PRDT	702493	0000 000	UNKNOWN	LTFL	UNKNOWN	49.	49.	0.	325.	*			
11177	22877	43077	0	0	TOILETRIES	888834	0000 000	UNKNOWN	LTFL	UNKNOWN	30.	30.	0.	415.	*			
12077	22577	43077	0	0	DRUGS	898186	0000 000	UNKNOWN	LTFL	UNKNOWN	14.	14.	0.	372.	*			

LOSS DATE	CLAIM DATE	DATE PAID	RECOVERY DATE	GOODS MISSING	FREIGHT BILL	TRUCK NO.	ROUTE NO.	LOSS LOCATION	LOSS CATEGORY	LOSS CAUSE	AMOUNT CLAIMED	AMOUNT PAID	AMOUNT RECOVERED	AMOUNT SHIPPED	C T	
113076	22577	43077	0	0	TOILETRIES	847652	0000	000	UNKNOWN	LTFI	UNKNOWN	51.	51.	0.	1556.	*
	6 12 676	32977	0	0	MISC NOI	672197	1201	10	ON DOCK	LTFI	UNKNOWN	44.	44.	0.	1152.	
11 576	2 977	32977	0	0	SHOES	3552	38	35	ON DOCK	LTFI	UNKNOWN	116.	116.	0.	600.	*
112775	72676	122776	0	0	MISC NOI	7-26A	3144	49	ON DOCK	LTFI	UNKNOWN	23.	23.	0.	6400.	*
	102876	122776	0	0	SHOES	2883	1120	11	ON DOCK	LTFI	UNKNOWN	125.	125.	0.	2500.	
72676	111776	12577	0	0	MISC NOI	709980	3045	47	ON DOCK	LTFI	UNKNOWN	706.	706.	0.	1535.	
	076 122076	22377	0	0	SHOES	19872	3145	24	ON DOCK	LTFI	UNKNOWN	69.	69.	0.	700.	
71576	122076	22377	0	0	SHOES	17900	1201	10	ON DOCK	LTFI	UNKNOWN	216.	216.	0.	2200.	
102676	1 977	3 577	0	0	MISC NOI	810570	1184	12	ON DOCK	LTFI	UNKNOWN	21.	21.	0.	432.	
	76 2 977	32977	0	0	MISC NOI	2-14A	118	25	ON DOCK	LTFI	UNKNOWN	19.	19.	0.	344.	
11 476	11977	22377	0	0	SHOES	8220	3077	38	ON DOCK	LTFI	UNKNOWN	230.	230.	0.	6400.	
	22076	22377	0	0	SHOES	3021	3047	27	ON DOCK	LTFI	UNKNOWN	104.	104.	0.	2900.	*
5 476	102876	122776	0	0	SHOES	4318	3047	27	ON DOCK	LTFI	UNKNOWN	112.	112.	0.	4800.	*
71676	92876	112376	0	0	TOYS	701801	118	25	ON DOCK	LTFI	UNKNOWN	25.	25.	0.	928.	
72176	8 276	112376	0	0	MISC NOI	7-26B	118	25	ON DOCK	LTFI	UNKNOWN	137.	137.	0.	755.	
10 876	11 276	122776	0	0	FURNITURE	793062	3047	27	ON DOCK	LTFI	UNKNOWN	48.	48.	0.	2613.	*
	6 111876	12577	0	0	LEATHER	130380	118	25	ON DOCK	LTFI	UNKNOWN	255.	255.	0.	880.	
61076	21477	32977	0	0	TXTL YARN.	664892	102	18	ON DOCK	LTFI	UNKNOWN	35.	35.	0.	35.	
122276	2 377	32977	0	0	HARDWARE	874714	3066	15	ON DOCK	LTFI	UNKNOWN	53.	53.	0.	53.	
6 476	91676	112376	0	0	PAPER PRDT	652800	3077	38	ON DOCK	LTFI	UNKNOWN	10.	10.	0.	10.	
51976	9 776	112376	0	0	TOYS	642835	3074	21	ON DOCK	LTFI	UNKNOWN	50.	50.	0.	204.	*
	76 82376	112376	0	0	FOOD GEN	681688	3074	21	ON DOCK	LTFI	UNKNOWN	11.	11.	0.	2271.	*
12877	21177	32977	0	0	TOILETRIES	572913	26	44	ON DOCK	LTFI	UNKNOWN	20.	20.	0.	229.	
122376	11477	12577	0	0	TOILETRIES	874529	3124	39	ON DOCK	LTFI	UNKNOWN	24.	24.	0.	24.	
10 176	123076	22377	0	0	PAPER PRDT	783765	3142	45	ON DOCK	LTFI	UNKNOWN	221.	221.	0.	4415.	
101976	112276	12577	0	0	TOYS	802694		50	ON DOCK	LTFI	UNKNOWN	40.	40.	0.	3040.	
101276	11477	22377	0	0	METAL PRDT	793738	3070	36	ON DOCK	LTFI	UNKNOWN	65.	65.	0.	500.	*
81376	10 776	112376	0	0	HARDWARE	730785	3124	39	ON DOCK	LTFI	UNKNOWN	16.	16.	0.	156.	
122876	11777	22377	0	0	METAL PRDT	877639	97	20	ON DOCK	LTFI	UNKNOWN	109.	109.	0.	109.	*
101376	111276	12577	0	0	ELCTRC EQP	795484	1184	12	ON DOCK	LTFI	UNKNOWN	65.	65.	0.	258.	
101076	1 777	22377	0	0	HARDWARE	624623		64	ON DOCK	LTFI	UNKNOWN	14.	14.	0.	963.	
10 176	1 777	22377	0	0	ELCTRC EQP	781050	118	25	ON DOCK	LTFI	UNKNOWN	129.	129.	0.	129.	
9 876	111876	12577	0	0	ELCTRC EQP	756656	118	25	ON DOCK	LTFI	UNKNOWN	162.	162.	0.	5014.	
102776	12877	32977	0	0	METAL PRDT	811935	118	25	ON DOCK	LTFI	UNKNOWN	56.	56.	0.	275.	
9 876	9 976	122776	0	0	PAPER PRDT	757359		61	ON DOCK	LTFI	UNKNOWN	454.	454.	0.	1228.	
8 676	10 476	112376	0	0	PLSTC/RBBR	722039	3074	21	INTRANSIT	LTFI	UNKNOWN	75.	75.	0.	2060.	*
82376	102776	122776	0	0	MISC NOI	617278	152	26	UNKNOWN	LTFI	UNKNOWN	52.	52.	0.	3938.	*
81876	101176	112376	0	0	CLOTHING	53303	3074	21	ON DOCK	LTFI	UNKNOWN	210.	210.	0.	210.	*
5 976	82376	12577	0	0	PHONO RCRD	629147	3078	22	ON DOCK	LTFI	UNKNOWN	357.	357.	0.	357.	*
91776	21577	32977	0	0	PLSTC/RBBR	767340	118	25	ON DOCK	LTFI	UNKNOWN	33.	33.	0.	1765.	

LOSS DATE	CLAIM DATE	DATE PAID	RECOVERY CLAIM DATE	GOODS MISSING	FREIGHT BILL	TRUCK NO.	ROUTE NO.	LOSS LOCATION	LOSS CATEGORY	LOSS CAUSE	AMOUNT CLAIMED	AMOUNT PAID	AMOUNT RECOVERED	AMOUNT SHIPPED	C	T	
92076	1 677	22377	0	0	SHOES	778764	3077	38	ON DOCK	LTFL	UNKNOWN	60.	60.	0.	540.		
	76	122776	22377	0	0	PAPER PRDT	694973	3142	45	ON DOCK	LTFL	UNKNOWN	94.	94.	0.	4305.	
62576	62876	22377	0	0	PHONO RCRD	682953	3124	39	ON DOCK	LTFL	UNKNOWN	33.	33.	0.	2541.		
81276	82476	112376	0	0	TXTL YARN	730335	38	35	ON DOCK	LTFL	UNKNOWN	47.	47.	0.	2106.	*	
	2576	122776	0	0	TOYS	753046	1201	10	ON DOCK	LTFL	UNKNOWN	40.	40.	0.	40.		
91176	11 176	122776	0	0	FOOD GEN	761647	3046	40	ON DOCK	LTFL	UNKNOWN	15.	15.	0.	60.		
	76	112376	0	0	HSHLD APP	685663	1120	11	INTRANSIT	LTFL	UNKNOWN	15.	15.	0.	14000.		
102676	102776	122776	0	0	DRUGS	809203	1201	10	ON DOCK	LTFL	UNKNOWN	42.	42.	0.	78.		
102076	102776	122776	0	0	TOILETRIES	803567	1201	10	ON DOCK	LTFL	UNKNOWN	17.	17.	0.	78.		
	102676	122776	0	0	TOYS	744808	102	18	ON DOCK	LTFL	UNKNOWN	30.	30.	0.	119.		
802276	11 176	122776	0	0	PHOTO SUP	807031	3074	21	ON DOCK	LTFL	UNKNOWN	53.	53.	0.	53.	0	
	6	121476	22377	0	0	CLOTHING	716038	2022	14	ON DOCK	LTFL	UNKNOWN	53.	53.	0.	631.	
7 176	1 877	22377	0	0	TOILETRIES	678058	3046	40	ON DOCK	LTFL	UNKNOWN	69.	69.	0.	1815.		
121576	2 377	32977	0	0	CLOTHING	8 09	3142	45	ON DOCK	LTFL	UNKNOWN	33.	33.	0.	1802.		
2 376	12477	22377	0	0	CANDY	1080	118	25	ON DOCK	LTFL	UNKNOWN	49.	49.	0.	49.		
9 976	91776	112376	0	0	TOYS	759339		50	ON DOCK	LTFL	UNKNOWN	28.	28.	0.	28.		
	1077	22377	0	0	PAPER PRDT	828366	3066	15	ON DOCK	LTFL	UNKNOWN	32.	32.	0.	3195.		
91576	12877	32977	0	0	DRUGS	760691	3144	48	ON DOCK	LTFL	UNKNOWN	22.	22.	0.	1018.	*	
72176	111776	12577	0	0	PLSTC/RBBR	25558	3144	48	ON DOCK	LTFL	UNKNOWN	165.	165.	0.	5035.	*	
21076	12477	22377	0	0	HARDWARE	862142	3046	40	ON DOCK	LTFL	UNKNOWN	165.	165.	0.	165.		
62176	91576	122776	0	0	AUTO PARTS	614985	3032	33	ON DOCK	LTFL	UNKNOWN	916.	916.	0.	916.	*	
	02876	12577	0	0	TOILETRIES	239407	3032	33	ON DOCK	LTFL	UNKNOWN	154.	154.	0.	1907.	*	
7 176	92376	112376	0	0	HSHLD APP	687312	1184	12	ON DOCK	LTFL	UNKNOWN	123.	123.	0.	617.		
12 976	122076	22377	0	0	HARDWARE	858295	3137	49	ON DOCK	LTFL	UNKNOWN	195.	195.	0.	1052.		
	21077	32977	0	0	METAL WKD	882478	121	31	ON DOCK	LTFL	UNKNOWN	117.	117.	0.	152.	*	
61576	8 976	112376	0	0	TOILETRIES	666725	3124	39	ON DOCK	LTFL	UNKNOWN	438.	438.	0.	438.		
	7576	21677	32977	0	0	CLOTHING	845261	3074	21	ON DOCK	LTFL	UNKNOWN	135.	135.	0.	279.	*
802376	21577	32977	0	0	PLSTC/RBBR	808035	1201	10	ON DOCK	LTFL	UNKNOWN	249.	249.	0.	249.		
91376	102776	122776	0	0	PHONO RCRD	762370	3047	27	ON DOCK	LTFL	UNKNOWN	180.	180.	0.	1196.	*	
	976	12 776	12577	0	0	CARPETS	686464	3142	45	ON DOCK	LTFL	UNKNOWN	160.	160.	0.	2881.	
92476	11877	22377	0	0	PHONO RCRD	775263	3144	48	ON DOCK	LTFL	UNKNOWN	235.	235.	0.	3076.	*	
	1 176	11 876	122776	0	0	FOOD GEN	4 3041	46	ON DOCK	LTFL	UNKNOWN	517.	517.	0.	20284.		
122376	21577	32977	0	0	TOILETRIES	869784	97	20	ON DOCK	LTFL	UNKNOWN	344.	344.	0.	2415.	*	
12777	12877	32977	0	0	ELECTRC EQP	912765	152	26	ON DOCK	LTFL	UNKNOWN	1775.	1775.	0.	1775.	*	
72076	72376	12577	0	0	HSHLD APP	704300	102	18	ON DOCK	LTFL	UNKNOWN	1038.	1038.	0.	1038.		
41576	62576	9 176	0	0	HARDWARE	604362	97	20	ON DOCK	LTFL	UNKNOWN	58.	58.	0.	58.	*	
62976	9 176	102676	0	0	TOYS	686222	3124	39	ON DOCK	LTFL	UNKNOWN	13.	13.	0.	42.		
62376	72976	102676	0	0	TOYS	679415	3124	39	ON DOCK	LTFL	UNKNOWN	96.	96.	0.	172.		
32476	63076	9 176	0	0	METAL PRDT	585024	89	30	ON DOCK	LTFL	UNKNOWN	38.	38.	0.	430.	*	
52476	81976	102676	0	0	PHONO RCRD	647840	3058	33A	INTRANSIT	LTFL	UNKNOWN	42.	42.	0.	1570.	*	

LOSS DATE	CLAIM DATE	DATE CLAIM PAID	RECOVERY DATE	GOODS MISSING	FREIGHT BILL	TRUCK NO.	ROUTE NO.	LOSS LOCATION	LOSS CATEGORY	LOSS CAUSE	AMOUNT CLAIMED	AMOUNT PAID	AMOUNT RECOVERED	AMOUNT SHIPPED	C T S S
5 776	62876	9 176	0 0	TULLETRIES	23256	26	44	ON DOCK	LTFL	UNKNOWN	21.	21.	0.	504.	
		9 176	0 0	PAPER PRDT	429154	105	42	ON DOCK	LTFL	UNKNOWN	41.	41.	0.	409.	
111676	21477	32977	0 0	PLSTC/RBBR	73228	3144	48	ON DOCK	LTFL	UNKNOWN	43.	43.	0.	1560.	*
112776	121676	12577	0 0	TOILETRIES	46786	152	26	ON DOCK	LTFL	UNKNOWN	45.	45.	0.	233.	*
	101476	112376	0 0	PLSTC/RBBR	1442959	3074	21	ON DOCK	LTFL	UNKNOWN	37.	37.	0.	931.	*
92376	101876	112376	0 0	TOYS	37653	3074	21	ON DOCK	LTFL	UNKNOWN	28.	28.	0.	28.	*
		0 0	0 0	HARDWARE	52037	130	34	ON DOCK	LTFL	UNKNOWN	30.	30.	0.	665.	*
42676	52876	9 176	0 0	HARDWARE	617810	38	35	ON DOCK	LTFL	UNKNOWN	78.	78.	0.	1014.	*
101575	51176	9 176	0 0	FURNITURE	96537	3124	39	ON DOCK	LTFL	UNKNOWN	18.	18.	0.	677.	*
	7 876	92876	0 0	TOOLS-PWH	97507	89	30	UNKNOWN	LTFL	UNKNOWN	30.	30.	0.	2510.	*
6 476	72276	92876	0 0	TOYS	659638	102	18	ON DOCK	LTFL	UNKNOWN	14.	14.	0.	64.	*
	102676	0 0	0 0	DRUGS	631149	18	38	INTRANSIT	LTFL	UNKNOWN	30.	30.	0.	435.	*
3 376	7 976	8 376	0 0	ELECTRC EQP	564576	130	34	ON DOCK	LTFL	UNKNOWN	30.	30.	0.	1093.	*
42276	72876	92876	0 0	PLSTC/RBBR	614028	3144	48	INTRANSIT	LTFL	UNKNOWN	86.	86.	0.	3860.	*
76	81676	102676	0 0	PLSTC/RBBR	685498	3077	38	ON DOCK	LTFL	UNKNOWN	54.	54.	0.	183.	*
61176	72776	92876	0 0	HARDWARE	668030	3066	15	ON DOCK	LTFL	UNKNOWN	400.	400.	0.	409.	*
		0 0	0 0	SHOES	979747	3047	27	ON DOCK	LTFL	UNKNOWN	207.	207.	0.	3933.	*
4 676	71676	92876	0 0	SHOES	296065	3047	27	INTRANSIT	LTFL	UNKNOWN	217.	217.	0.	2105.	*
112075	71976	92876	0 0	TOYS	611536	3058	33A	ON DOCK	LTFL	UNKNOWN	194.	194.	0.	4190.	*
72376	81076	82376	0 0	HSHLD APP	642659	3074	21	ON DOCK	LTFL	UNKNOWN	104.	104.	0.	4994.	*
42676	72276	92876	0 0	FOOD GEN	617144	26	44	ON DOCK	LTFL	UNKNOWN	142.	142.	0.	158.	*
	01876	112376	0 0	HARDWARE	784420	3074	21	ON DOCK	LTFL	UNKNOWN	232.	232.	0.	5687.	*
72976	8 276	81776	0 0	HSHLD APP	1750	3074	21	ON DOCK	LTFL	UNKNOWN	100.	100.	0.	8130.	*
72076	72976	9 176	0 0	CARPETS	704341	3155	13	ON DOCK	LTFL	UNKNOWN	105.	105.	0.	105.	*
	3076	102676	0 0	PHONO RCRD	686027	3145	24	ON DOCK	LTFL	UNKNOWN	528.	528.	0.	1677.	*
5 576	8 576	102676	0 0	ELECTRC EQP	8	118	25	ON DOCK	LTFL	UNKNOWN	554.	554.	0.	554.	*
76	82576	102676	0 0	HARDWARE	682379	130	34	ON DOCK	LTFL	UNKNOWN	156.	156.	0.	1812.	*
3 876	72876	92876	0 0	RAW RUBBER	567834	3144	48	INTRANSIT	LTFL	UNKNOWN	255.	255.	0.	3828.	*
5 576	8 976	102676	0 0	AUTO PARTS	630186	3047	27	ON DOCK	LTFL	UNKNOWN	129.	129.	0.	1502.	*
5 676	92476	102676	0 0	SHOES	1485	118	25	ON DOCK	LTFL	UNKNOWN	660.	660.	0.	8375.	*
8 476	81076	102676	0 0	PHONO RCRD	720696	3122	23	ON DOCK	LTFL	UNKNOWN	8.	8.	0.	240.	*
81276	82576	102676	0 0	TOYS	731450	3070	36	ON DOCK	LTFL	UNKNOWN	9.	9.	0.	72.	*
63076	92476	102676	0 0	SHOES	52412	26	44	ON DOCK	LTFL	UNKNOWN	22.	22.	0.	6460.	*
61276	92176	102676	0 0	MISC NOI	636650	3046	40	ON DOCK	LTFL	UNKNOWN	52.	52.	0.	360.	*
7 776	72676	82376	0 0	TOILETRIES	683670	26	44	ON DOCK	LTFL	UNKNOWN	67.	67.	0.	67.	*
62976	72676	92876	0 0	TOILETRIES	683700	3124	39	ON DOCK	LTFL	UNKNOWN	30.	30.	0.	2976.	*
7 976	91976	92876	0 0	CLOTHING	691382	26	44	ON DOCK	LTFL	UNKNOWN	43.	43.	0.	43.	*
3 376	62576	9 176	0 0	HARDWARE	564802	3142	45	ON DOCK	LTFL	UNKNOWN	17.	17.	0.	195.	*
52076	52076	92876	0 0	TOILETRIES	644695	3046	40	INTRANSIT	LTFL	UNKNOWN	20.	20.	0.	20.	*
7 176	83176	102776	0 0	PHOTO SUP	687893	3046	40	ON DOCK	LTFL	UNKNOWN	24.	24.	0.	752.	*

LOSS DATE	CLAIM DATE	DATE PAID	RECOVERY CLAIM DATE	GOODS MISSING	FREIGHT BILL	TRUCK NO.	ROUTE NO.	LOSS LOCATION	LOSS CATEGORY	LOSS CAUSE	AMOUNT CLAIMED	AMOUNT PAID	AMOUNT RECOVERED	AMOUNT SHIPPED	C T S S
8 576	81376	102676	0	0	HARDWARE	29958	3058	33A	ON DOCK	LTFL	32.	32.	0.	1426.	*
	8 276	81276	0	0	TEXTILES	4825	26	44	ON DOCK	LTFL	41.	41.	0.	1036.	
2 476	8 276	92876	0	0	TOILETRIES	538609	3124	39	INTRANSIT	LTFL	12.	12.	0.	15590.	
31176	41276	9 176	0	0	METAL WKD	5370	3137	49	ON DOCK	LTFL	23.	23.	0.	23.	
	477	32977	0	0	HARDWARE	638631	3142	45	ON DOCK	LTFL	81.	81.	0.	895.	
63076	72376	92876	0	0	ELCTRC EQP	680000	131	32	INTRANSIT	LTFL	39.	39.	0.	1178.	0
76	83176	102676	0	0	FOOD GEN	696146	3046	40	ON DOCK	LTFL	25.	25.	0.	25.	
52576	83176	102676	0	0	FOOD PRSVD	649036	3124	39	ON DOCK	LTFL	16.	16.	0.	744.	
62976	83176	102676	0	0	FOOD GEN	682763	3124	39	ON DOCK	LTFL	20.	20.	0.	437.	
	6 9 176	0	0	0	TXTL YARN	644886	3145	24	ON DOCK	LTFL	37.	37.	0.	131.	
111776	13177	32977	0	0	TOYS	835234	54	41A	ON DOCK	LTFL	65.	65.	0.	761.	
76	11877	32977	0	0	CLOTHING	878439	97	20	ON DOCK	LTFL	231.	231.	0.	2834.	*
51276	72076	92876	0	0	SHOES	5476	3058	33A	INTRANSIT	LTFL	210.	210.	0.	2431.	*
42776	8 976	92876	0	0	AUTO PARTS	618420	3144	48	ON DOCK	LTFL	345.	345.	0.	4016.	*
76	8 276	9 176	0	0	LAMPS	28118	3144	48	ON DOCK	LTFL	167.	167.	0.	1471.	*
5 576	62176	9 176	0	0	FURNITURE	628698	1184	12	ON DOCK	LTFL	129.	129.	0.	129.	
6	61076	92876	0	0	PAPER PRDT	663636	3046	40	ON DOCK	LTFL	470.	470.	0.	2601.	
121776	3 477	32977	0	0	HARDWARE	710633	3142	45	ON DOCK	LTFL	135.	135.	0.	6750.	
111576	3 477	32977	0	0	HARDWARE	706400	3058	33A	ON DOCK	LTFL	355.	355.	0.	2485.	*
92176	121376	12577	0	0	HARDWARE	770955	118	25	ON DOCK	LTFL	313.	313.	0.	313.	
8 476	111976	12577	0	0	TOILETRIES	717473	3124	39	ON DOCK	LTFL	386.	386.	0.	14101.	
76	62176	9 176	0	0	ELCTRC EQP	648685	3122	23	ON DOCK	LTFL	563.	563.	0.	563.	
5 576	61576	101276	0	0	SOAPS	2501	3046	40	UNKNOWN	LTFL	11.	11.	0.	1139.	
61776	62576	9 176	0	0	TOYS	672695	3070	36	ON DOCK	LTFL	31.	31.	0.	181.	*
2376	8 476	92876	0	0	PHOTO SUP	78453	3046	40	ON DOCK	LTFL	54.	54.	0.	981.	
61076	72976	92876	0	0	HARDWARE	665281	3137	49	ON DOCK	LTFL	49.	49.	0.	273.	
76	122776	22377	0	0	TOILETRIES	684086	3046	40	ON DOCK	LTFL	28.	28.	0.	1087.	
61676	9 776	102676	0	0	TOILETRIES	663725	3124	39	ON DOCK	LTFL	27.	27.	0.	5000.	
61176	61776	82476	0	0	AUTO PARTS	626958	3032	33	UNKNOWN	LTFL	92.	92.	0.	92.	*
83176	12 976	12577	0	0	TOILETRIES	748411	26	44	ON DOCK	LTFL	21.	21.	0.	538.	
12 276	122076	12577	0	0	HARDWARE	707629	26	44	ON DOCK	LTFL	35.	35.	0.	2073.	
102276	122776	22377	0	0	TOILETRIES	801961	3046	40	ON DOCK	LTFL	89.	89.	0.	1560.	
7 676	122776	22377	0	0	TOILETRIES	685775	3046	40	ON DOCK	LTFL	16.	16.	0.	32.	
93076	122776	22377	0	0	TOILETRIES	779988	3124	39	ON DOCK	LTFL	20.	20.	0.	134.	
93076	122776	22377	0	0	TOILETRIES	779988	3124	39	ON DOCK	LTFL	11.	11.	0.	77.	
123076	12777	22377	0	0	TOILETRIES	878968	38	35	ON DOCK	LTFL	16.	16.	0.	1166.	*
21477	31477	32977	0	0	HARDWARE	665015	3142	44	ON DOCK	LTFL	24.	24.	0.	1415.	
81176	12 676	32977	0	0	TOILETRIES	24015	26	44	ON DOCK	LTFL	54.	54.	0.	8906.	
1 77	1 377	32377	0	0	TOILETRIES	323A	97	20	ON DOCK	LTFL	42.	42.	0.	120.	*
1 877	2 277	21077	0	0	TOILETRIES	897693	3032	33	ON DOCK	LTFL	69.	69.	0.	2250.	*

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12 376	121376	12577	0	PAPER PRDT	241245	121	31	ON DOCK	LTFL	UNKNOWN	19.	19.	0.	11994.	0
01476	12877	32977	0	HARDWARE	797632	1144	48	ON DOCK	LTFL	UNKNOWN	26.	26.	0.	5152.	0
9 276	101876	122776	0	TOILETRIES	752231	3070	36	ON DOCK	LTFL	UNKNOWN	29.	29.	0.	501.	0
122876	12777	32977	0	TOILETRIES	874734			ON DOCK	LTFL	UNKNOWN	17.	17.	0.	714.	0
6	12777	32977	0	TOILETRIES	874734			ON DOCK	LTFL	UNKNOWN	18.	18.	0.	1152.	0
92276	10 976	122776	0	CLOTHING	772667	3074	21	ON DOCK	LTFL	UNKNOWN	72.	72.	0.	2800.	0
6	111876	12577	0	PAPER PRDT	766721	121	31	ON DOCK	LTFL	UNKNOWN	43.	43.	0.	430.	0
51876	1 77	12577	0	HARDWARE	121218	2022	14	ON DOCK	LTFL	MSPLCD	27.	27.	0.	378.	0
92976	101376	122776	0	FURNITURE	772139	3074	21	ON DOCK	LTFL	UNKNOWN	53.	53.	0.	159.	0
111876	111976	2 877	0	HARDWARE	133180		20	ON DOCK	LTFL	UNKNOWN	20.	20.	0.	4000.	0
5 776	121076	22377	0	SHOES	296117	1184	12	ON DOCK	LTFL	UNKNOWN	54.	54.	0.	3868.	0
876	82776	112376	0	SHOES	9-30A	182	26	ON DOCK	LTFL	UNKNOWN	79.	79.	0.	9232.	0
92176	102276	112376	0	METAL PRDT	770902		31	ON DOCK	LTFL	UNKNOWN	90.	90.	0.	720.	0
62476	112376	32977	0	SHOES	695	3094	37	ON DOCK	LTFL	UNKNOWN	92.	92.	0.	5490.	0
1976	11177	22377	0	HARDWARE	831910	26	44	ON DOCK	LTFL	UNKNOWN	59.	59.	0.	325.	0
102676	12477	22377	0	HARDWARE	809632	3155	13	ON DOCK	LTFL	UNKNOWN	43.	43.	0.	971.	0
2876	12 176	12577	0	HARDWARE	776988	26	44	ON DOCK	LTFL	UNKNOWN	50.	50.	0.	50.	0
83176	12 676	12577	0	HARDWARE	749020	1120	11	ON DOCK	LTFL	UNKNOWN	11.	11.	0.	12.	0
22076	11 676	122776	0	SHOES	695	3094	37	ON DOCK	LTFL	UNKNOWN	40.	40.	0.	5457.	0
6 276	102676	122776	0	HARDWARE	651730	3041	46	ON DOCK	LTFL	UNKNOWN	16.	16.	0.	629.	0
72376	121676	22377	0	SHOES	978511	152	26	ON DOCK	LTFL	UNKNOWN	86.	86.	0.	2834.	0
1076	12177	22377	0	HARDWARE	857370	3066	15	ON DOCK	LTFL	UNKNOWN	23.	23.	0.	356.	0
11277	21777	32977	0	HARDWARE	888663	26	44	ON DOCK	LTFL	UNKNOWN	21.	21.	0.	651.	0
11 976	11 976	122776	0	PLMBNG/HTG	816517	130	34	ON DOCK	LTFL	UNKNOWN	15.	15.	0.	68.	0
91076	91776	112376	0	ELCTRC EQP	760766	3078	22	ON DOCK	LTFL	UNKNOWN	92.	92.	0.	754.	0
51076	121376	12577	0	TOOLS--PWR	633399	118	25	ON DOCK	LTFL	UNKNOWN	39.	39.	0.	302.	0
1076	10 876	112376	0	FOOD PRBYD	16767	3142	45	ON DOCK	LTFL	UNKNOWN	55.	55.	0.	9160.	0
72376	92876	112376	0	INSTRUMNTS	706029	105	42	ON DOCK	LTFL	UNKNOWN	39.	39.	0.	155.	0
81476	82576	102676	0	TOILETRIES	732905	1184	12	ON DOCK	LTFL	UNKNOWN	38.	38.	0.	625.	0
676	81176	102676	0	PLSTC/RBBR	1590	26	44	ON DOCK	LTFL	UNKNOWN	22.	22.	0.	2540.	0
3 476	7 676	102676	0	LAMPS	564403	26	44	ON DOCK	LTFL	UNKNOWN	40.	40.	0.	1145.	0
276	7 276	9 176	0	TOILETRIES	3276	102	18	ON DOCK	LTFL	UNKNOWN	43.	43.	0.	296.	0
7 776	8 276	9 176	0	CLOTHING	297001	121	31	ON DOCK	LTFL	UNKNOWN	49.	49.	0.	360.	0
9 976	102076	112376	0	PLSTC/RBBR	755978	3066	15	ON DOCK	LTFL	UNKNOWN	60.	60.	0.	660.	0
91376	102676	122776	0	SOAPS	762196	3124	39	ON DOCK	LTFL	UNKNOWN	42.	42.	0.	357.	0
101876	121376	122776	0	HARDWARE	701654	118	25	ON DOCK	LTFL	UNKNOWN	31.	31.	0.	1021.	0
91776	12 676	122776	0	HARDWARE	650614	118	25	ON DOCK	LTFL	UNKNOWN	40.	40.	0.	2540.	0
62976	91076	112376	0	ELCTRC EQP	685458			ON DOCK	LTFL	UNKNOWN	83.	83.	0.	83.	0
2 277	21877	32977	0	HARDWARE	915409			ON DOCK	LTFL	UNKNOWN	11.	11.	0.	85.	0
6 376	91376	112376	0	TOILETRIES	658671	26	44	ON DOCK	LTFL	UNKNOWN	21.	21.	0.	21.	0

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REPORT GENERATED 04-OCT-78

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LOSS DATE	CLAIM DATE	DATE CLAIM PAID	RECOVERY DATE	GOODS MISSING	FREIGHT BILL	TRUCK NO.	ROUTE NO.	LOSS LOCATION	LOSS CATEGORY	LOSS CAUSE	AMOUNT CLAIMED	AMOUNT PAID	AMOUNT RECOVERED	AMOUNT SHIPPED	C T S #
41576	101376	112376	0	0	TOILETRIES	608694	3124	39	ON DOCK	LTFI	UNKNOWN	74.	74.	0.	325.
636	11 976	112376	0	0	HARDWARE	652632	26	44	ON DOCK	LTFI	UNKNOWN	72.	72.	0.	1009.
92876	11 576	112376	0	0	HARDWARE	651654	26	44	ON DOCK	LTFI	UNKNOWN	29.	29.	0.	803.
9 476	102876	122776	0	0	CANDY	8063	1200	11A	ON DOCK	LTFI	UNKNOWN	27.	27.	0.	351.
3076	121376	12577	0	0	TOILETRIES	981846	3046	40	ON DOCK	LTFI	UNKNOWN	10.	10.	0.	340.
7 676	12 676	12577	0	0	TOILETRIES	688979	3026	40	ON DOCK	LTFI	UNKNOWN	15.	15.	0.	690.
1576	62576	8 176	0	0	ELECTR EOP	609362		20	INTRANSIT	LTFI	UNKNOWN	58.	58.	0.	2103.
6 476	72176	9 176	0	0	HARDWARE	659597	3074	21	ON DOCK	LTFI	UNKNOWN	50.	50.	0.	50.
72276	11 976	122776	0	0	CANDY	708367	38	35	ON DOCK	LTFI	UNKNOWN	30.	30.	0.	455.
76	101976	102876	0	0	HSHLD APP	649606	118	25	ON DOCK	LTFI	UNKNOWN	29.	29.	0.	1534.
5 776	81976	9 176	0	0	TOYS	K2802	3070	36	ON DOCK	LTFI	UNKNOWN	40.	40.	0.	40.
376	102676	0	0	PAPER PRDT	680026	3045	47	ON DOCK	LTFI	UNKNOWN	124.	124.	0.	683.	
7 676	8 976	102676	0	0	DRUGS	687210	102	19	ON DOCK	LTFI	UNKNOWN	287.	287.	0.	7769.
92576	12 676	122776	0	0	FURNITURE	652680	3137	49	ON DOCK	LTFI	UNKNOWN	181.	181.	0.	181.
976	10 476	112376	0	0	PLSTC/RBBR	725481	26	40	INTRANSIT	LTFI	UNKNOWN	106.	106.	0.	106.
91076	102776	122776	0	0	MISC NOI	757136	26	44	ON DOCK	LTFI	UNKNOWN	571.	571.	0.	31578.
376	102676	122776	0	0	HARDWARE	750950	3074	21	ON DOCK	LTFI	UNKNOWN	350.	350.	0.	4097.
12 176	121076	12577	0	0	ELECTR EOP	850915	3041	46	ON DOCK	LTFI	UNKNOWN	416.	416.	0.	416.
7 176	111176	12577	0	0	PAPER PRDT	687125	3045	47	ON DOCK	LTFI	UNKNOWN	124.	124.	0.	238.
276	91676	112376	0	0	LAMPS	688491	3144	48	ON DOCK	LTFI	UNKNOWN	145.	145.	0.	145.
52476	102676	122776	0	0	HARDWARE	646624	3046	40	ON DOCK	LTFI	UNKNOWN	125.	125.	0.	142.
6	22377	0	0	HARDWARE	131912	3124	39	ON DOCK	LTFI	UNKNOWN	204.	204.	0.	6120.	
122276	2 177	32977	0	0	SOAPS	871064	26	44	ON DOCK	LTFI	UNKNOWN	740.	740.	0.	45272.
61676	81676	12577	0	0	METAL PRDT	669650	26	44	ON DOCK	LTFI	UNKNOWN	1073.	1073.	0.	3559.
6	102976	122776	0	0	PHOTO SUP	793017	3070	36	ON DOCK	LTFI	UNKNOWN	160.	160.	0.	480.
82476	91376	112376	0	0	PHOTO SUP	742280	152	26	ON DOCK	LTFI	UNKNOWN	235.	235.	0.	17625.
102276	12 676	32977	0	0	PAINTS	806359	152	26	ON DOCK	LTFI	UNKNOWN	1927.	1927.	0.	1927.
1 877	13177	22377	0	0	HARDWARE	887164	3124	39	ON DOCK	LTFI	UNKNOWN	223.	223.	0.	1150.
52176	13177	32977	0	0	TOILETRIES	646303	3046	40	ON DOCK	LTFI	UNKNOWN	9.	9.	0.	3617.
52576	62276	71576	0	0	TOILETRIES	646295	3046	40	ON DOCK	LTFI	UNKNOWN	8.	8.	0.	8.
32276	32376	92876	0	0	AUTO PARTS	4450	3145	24	INTRANSIT	LTFI	UNKNOWN	1540.	1540.	0.	2284.
6	7 276	9 176	0	0	TOILETRIES	670768	26	44	ON DOCK	LTFI	UNKNOWN	7.	7.	0.	1287.
22277	52877	62977	0	0	MISC NOI	937417		108	UNKNOWN	PILFRAGE	UNKNOWN	337.	337.	0.	337.
7 776	32177	62977	0	0	DRUGS	691746	3069	45	UNKNOWN	LTFI	UNKNOWN	97.	97.	0.	241.
3 977	51277	62977	0	0	AUTO PARTS	957017		64	UNKNOWN	LTFI	UNKNOWN	223.	223.	0.	3690.
9 876	51377	62977	0	0	MISC NOI	752777			UNKNOWN	LTFI	UNKNOWN	156.	156.	0.	935.
101676	31877	62977	0	0	PLSTC/RBBR	800060	26	38	UNKNOWN	LTFI	UNKNOWN	228.	228.	0.	285.
12877	32877	62977	0	0	TOILETRIES	910609			UNKNOWN	LTFI	UNKNOWN	46.	46.	0.	17744.
21577	32877	62977	0	0	PLSTC/RBBR	926950			UNKNOWN	LTFI	UNKNOWN	23.	23.	0.	2049.
31877	33077	62977	0	0	TOYS	963754	3150	16	UNKNOWN	LTFI	UNKNOWN	42.	42.	0.	190.

LOSS DATE	CLAIM DATE	DATE CLAIM PAID	RECOVERY DATE	GOODS MISSING	FREIGHT BILL	TRUCK NO.	ROUTE NO.	LOSS LOCATION	LOSS CATEGORY	LOSS CAUSE	AMOUNT CLAIMED	AMOUNT PAID	AMOUNT RECOVERED	AMOUNT SHIPPED	C T S S
83176	33077	62977	0	HARDWARE	747886	102	18	UNKNOWN	LTFI	UNKNOWN	68.	68.	0.	68.	5 T
	077	62977	0	MISC NOI	747886	102	18	UNKNOWN	LTFI	UNKNOWN	23.	23.	0.	51.	
42677	51977	62977	0	MISC NOI	13760	97	20	UNKNOWN	LTFI	UNKNOWN	139.	139.	0.	139.	*
123076	33077	62977	0	MISC NOI	69688		26	UNKNOWN	LTFI	UNKNOWN	50.	50.	0.	16476.	*
		77	0	HARDWARE	726688		44	UNKNOWN	LTFI	UNKNOWN	40.	40.	0.	3432.	
21877	42277	62977	0	CANDY	4605		64	UNKNOWN	LTFI	UNKNOWN	94.	94.	0.	654.	
	77	62977	0	CANDY	6705		12	UNKNOWN	LTFI	UNKNOWN	26.	26.	0.	434.	
31877	51377	62977	0	SHOES	79486		32	UNKNOWN	LTFI	UNKNOWN	227.	227.	0.	4738.	*
2 977	32377	52777	0	SOAPS	922796			UNKNOWN	LTFI	UNKNOWN	88.	88.	0.	1437.	*
			0	TOYS	3140			UNKNOWN	LTFI	UNKNOWN	530.	530.	0.	530.	*
93076	42977	52777	0	TOYS	781053		42	UNKNOWN	LTFI	UNKNOWN	168.	168.	0.	168.	
		2777	0	MISC NOI	807049	3148	24	UNKNOWN	LTFI	UNKNOWN	425.	425.	0.	425.	
12 376	51277	52777	0	SHOES	6688	3077	38	UNKNOWN	LTFI	UNKNOWN	221.	221.	0.	221.	
22477	31777	52777	0	HARDWARE	940483	3058	33	UNKNOWN	LTFI	UNKNOWN	14.	14.	0.	538.	*
6	32177	52777	0	DRUGS	879071	3155	13	UNKNOWN	LTFI	UNKNOWN	124.	124.	0.	420.	
3 777	32377	52777	0	DRUGS	949956	1201	10	UNKNOWN	LTFI	UNKNOWN	11.	11.	0.	2245.	
		777	0	DRUGS	921605		20	UNKNOWN	LTFI	UNKNOWN	29.	29.	0.	501.	*
42277	8 677	52777	0	MISC NOI	10897		42	UNKNOWN	LTFI	UNKNOWN	245.	245.	0.	908.	
101976	3 477	52777	0	PHOTO SUP	801889	1120	11	UNKNOWN	LTFI	UNKNOWN	417.	417.	0.	657.	
11 176	22377	52777	0	MISC NOI	815548		58	UNKNOWN	LTFI	UNKNOWN	18.	18.	0.	18.	
121476	31177	52777	0	HARDWARE	863179	3032	33	UNKNOWN	LTFI	UNKNOWN	18.	18.	0.	349.	*
	1477	52777	0	TEXTILES	863377	1008	10A	UNKNOWN	LTFI	UNKNOWN	74.	74.	0.	74.	
21477	3 977	52777	0	TEXTILES	928364	130	34	UNKNOWN	PILFRAGE	UNKNOWN	86.	86.	0.	515.	*
22377	5 277	52777	0	FOOD PRVD	937729		58	UNKNOWN	LTFI	UNKNOWN	24.	24.	0.	1791.	
1777	31577	52777	0	TOILETRIES	895628	3046	40	UNKNOWN	LTFI	UNKNOWN	24.	24.	0.	942.	
121676	32177	52777	0	PLSTC/RBBR	866926		24	UNKNOWN	LTFI	UNKNOWN	34.	34.	0.	3138.	
	2177	52777	0	CANDY	753955	1008	10A	UNKNOWN	LTFI	UNKNOWN	324.	324.	0.	324.	
13177	31677	52777	0	SOAPS	909233	26	44	UNKNOWN	LTFI	UNKNOWN	15.	15.	0.	1415.	
82576	5 577	52777	0	PHOTO SUP	743525		26	UNKNOWN	LTFI	UNKNOWN	336.	336.	0.	2082.	*
	31577	52777	0	CIGARETTES	922652		48	UNKNOWN	LTFI	UNKNOWN	256.	256.	0.	17942.	*
122976	31577	52777	0	DRUGS	877432	1201	10	UNKNOWN	LTFI	UNKNOWN	537.	537.	0.	537.	
	1677	52777	0	HSHLD APP	621013	118	25	UNKNOWN	LTFI	UNKNOWN	26.	26.	0.	1467.	
12777	32377	52777	0	TEXTILES	907719		58	UNKNOWN	LTFI	UNKNOWN	60.	60.	0.	352.	
2 177	32377	52777	0	PAPER PRDT	913139	105	42	ON DOCK	LTFI	UNKNOWN	13.	13.	0.	277.	
8 577	102677	11 877	0	PAINTS	136887	3144	48	ON DOCK	LTFI	UNKNOWN	18.	18.	0.	75.	*
41877	71177	101377	0	CANDY	EL2202716	39	31	ON DOCK	LTFI	UNKNOWN	8.	8.	0.	518.	*
102676	41177	8 977	0	PAPER PRDT	809771	3144	48	ON DOCK	LTFI	UNKNOWN	31.	31.	0.	1263.	*
51377	10 677	10 677	0	DRUGS	033863	1201	10	ON DOCK	LTFI	UNKNOWN	16.	16.	0.	187.	
22277	91477	101777	0	DRUGS	937117	3046	40	ON DOCK	LTFI	UNKNOWN	52.	52.	0.	6392.	
7 877	8 177	101377	0	CHEMICALS	100752	3137	49	ON DOCK	LTFI	UNKNOWN	25.	25.	0.	800.	

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3 977	6 677	83077	0	PAPER PRDT	954149	3124	39	ON DOCK	LTFL	UNKNOWN	49.	49.	0.	8759.			
		1577	0	STONE PRDT	61712	131	32	ON DOCK	LTFL	UNKNOWN	75.	75.	0.	75.			
4 177	9 177	101377	0	SOAPS	976560	26	44	ON DOCK	LTFL	UNKNOWN	9.	9.	0.	511.			
61477	8 177	101377	0	SOAPS	69376	26	44	ON DOCK	LTFL	UNKNOWN	45.	45.	0.	644.			
	91477	112377	0	POTTERY	161198	3137	49	ON DOCK	LTFL	UNKNOWN	63.	63.	0.	166.			
9 777	111077	112377	0	FOOD PRPD	166351	3144	48	ON DOCK	LTFL	UNKNOWN	25.	25.	0.	806.			
		79	0	CANDY	201323	3046	40	ON DOCK	LTFL	UNKNOWN	35.	35.	0.	2621.			
1 877	62977	62977	0	PAPER PRDT	3-23A	26	44	ON DOCK	LTFL	UNKNOWN	13.	13.	0.	1471.			
6 277	111777	1 479	0	SOAPS	291800	3045	47	ON DOCK	LTFL	UNKNOWN	43.	43.	0.	454.			
	877	62977	0	PAPER PRDT	6-BB	3081	41	ON DOCK	LTFL	UNKNOWN	44.	44.	0.	7853.			
43077	101077	101777	0	PAPER PRDT	9421	3066	15	ON DOCK	LTFL	UNKNOWN	121.	121.	0.	121.			
	77	103177	1 678	PLSTC/RBBR	60860	1201	10	ON DOCK	LTFL	UNKNOWN	58.	58.	0.	225.			
42177	111177	111577	0	FOOD GEN	9161	3046	40	ON DOCK	LTFL	UNKNOWN	28.	28.	0.	3200.			
42177	111177	111577	0	PLSTC/RBBR	9161	3046	40	ON DOCK	LTFL	UNKNOWN	22.	22.	0.	3200.			
6 677	81777	11 977	0	PAPER PRDT	62514	26	44	ON DOCK	LTFL	UNKNOWN	31.	31.	0.	700.			
4 177	42277	81177	0	FURNITURE	985603	3142	45	ON DOCK	LTFL	UNKNOWN	22.	22.	0.	50.			
	9 977	0	0	FOOD PRPD	951988	3142	45	ON DOCK	LTFL	UNKNOWN	226.	226.	0.	63384.			
1 677	42377	9 977	0	BATTERIES	882704	3137	49	ON DOCK	LTFL	UNKNOWN	105.	105.	0.	1657.			
41277	5 677	9 977	0	FURNITURE	497713	3045	47	ON DOCK	LTFL	UNKNOWN	29.	29.	0.	2941.			
	977	9 977	0	GLASSWARE	010741	3144	48	ON DOCK	LTFL	UNKNOWN	18.	18.	0.	270.			
4 177	4 977	81177	0	AUTO PARTS	985820			ON DOCK	LTFL	UNKNOWN	15.	15.	0.	3991.			
	277	9 977	0	PAINTS	726688	3139	39	ON DOCK	LTFL	UNKNOWN	47.	47.	0.	1736.			
3 177	52377	8 977	0	PHOTO SUP	721645			ON DOCK	LTFL	UNKNOWN	77.	77.	0.	2926.			
101976	41877	81177	0	CANDY	0418A	3046	40	ON DOCK	LTFL	UNKNOWN	28.	28.	0.	167.			
	1877	8 977	0	TOILETRIES	831621	26	44	ON DOCK	LTFL	UNKNOWN	35.	35.	0.	192.			
11077	41877	81177	0	TOILETRIES	885856	3046	40	ON DOCK	LTFL	UNKNOWN	127.	127.	0.	2175.			
		81177	0	TOILETRIES	916487	26	44	ON DOCK	LTFL	UNKNOWN	457.	457.	0.	14052.			
821776	41177	81177	0	TOILETRIES	868378	3124	39	ON DOCK	LTFL	UNKNOWN	13.	13.	0.	11453.			
5 277	82977	101977	0	FOOD GEN	18517	3122	23	ON DOCK	LTFL	UNKNOWN	17.	17.	0.	589.			
92177	101777	1 678	0	CANDY	200264	1120	11	ON DOCK	LTFL	UNKNOWN	8.	8.	0.	764.			
92077	111177	112877	0	DRUGS	188625	1120	11	ON DOCK	LTFL	UNKNOWN	18.	18.	0.	93.			
	77	92077	101877	0	DRUGS	143845	26	44	ON DOCK	LTFL	UNKNOWN	40.	40.	0.	150.		
7 776	32177	7 177	0	DRUGS	691746	3142	45	ON DOCK	LTFL	UNKNOWN	97.	97.	0.	241.			
71177	102677	11 177	0	PAINTS	102069	3144	48	ON DOCK	LTFL	UNKNOWN	56.	56.	0.	447.			
5 277	62877	111677	0	DRUGS	17001	3144	48	ON DOCK	LTFL	UNKNOWN	77.	77.	0.	3237.			
3 977	3 977	101877	0	DRUGS	950739	3144	48	ON DOCK	LTFL	UNKNOWN	56.	56.	0.	260.			
	1577	111077	111677	0	FOOD GEN	183778	1120	11	ON DOCK	LTFL	UNKNOWN	52.	52.	0.	15422.		
92977	111177	112877	0	MISC NOI	203316	3142	45	ON DOCK	LTFL	UNKNOWN	28.	28.	0.	308.			
5 977	71477	9 977	0	MISC NOI	730676	97	20	ON DOCK	LTFL	UNKNOWN	75.	75.	0.	9960.			
71277	111177	112377	0	PAPER PRDT	103889	3077	38	ON DOCK	LTFL	UNKNOWN	26.	26.	0.	26.			

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11477	4 577	8 977	0	PAPER PRDT	4-14A	131	32	ON DOCK	LTFL	UNKNOWN	50.	50.	0.	3239.	* S T
				PAPER PRDT	6412-A	3047	27	ON DOCK	LTFL	UNKNOWN	450.	450.	0.	450.	*
52377	91677	1 478	0	PAPER PRDT	201657	3144	48	ON DOCK	LTFL	UNKNOWN	58.	58.	0.	1500.	*
72977	111177	112377	0	TV/RADIO	124594	3122	23	ON DOCK	LTFL	UNKNOWN	160.	160.	0.	26100.	*
	111177	112377	0	FURNITURE	020604	3047	27	ON DOCK	LTFL	UNKNOWN	29.	29.	0.	138.	*
42877	102677	11 877	0	SOAPS	17582	97	20	ON DOCK	LTFL	UNKNOWN	35.	35.	0.	900.	*
	77 101977	112377	0	SOAPS	200850	97	20	ON DOCK	LTFL	UNKNOWN	33.	33.	0.	300.	*
61077	81177	101777	0	FOOD PRSVD	87239	3047	27	ON DOCK	LTFL	UNKNOWN	38.	38.	0.	5200.	*
83177	10 377	112377	0	PAPER PRDT	166703	3077	38	ON DOCK	LTFL	UNKNOWN	83.	83.	0.	495.	*
				TC/RBBR	926950	3144	48	ON DOCK	LTFL	UNKNOWN	23.	23.	0.	2049.	*
62577	101777	12 177	0	FURNITURE	87122	105	42	ON DOCK	LTFL	UNKNOWN	106.	106.	0.	106.	*
92077	102677	11 877	0	DRUGS	178240	131	32	ON DOCK	LTFL	UNKNOWN	36.	36.	0.	1116.	*
7 177	101777	112377	0	DRUGS	091287	3046	40	ON DOCK	LTFL	UNKNOWN	44.	44.	0.	3084.	*
7 677	91477	11 877	0	PLSTC/RBBR	97110	3046	40	ON DOCK	LTFL	UNKNOWN	22.	22.	0.	1298.	*
	75 2 976	101377	0	AUTO PARTS	410543	3142	45	ON DOCK	LTFL	UNKNOWN	23.	23.	0.	1305.	*
61577	7 577	10 677	0	TXTL-NOI	073287	38	35	ON DOCK	LTFL	UNKNOWN	19.	19.	0.	1783.	*
	77 101777	8 877	0	DRUGS	976729	3066	15	ON DOCK	LTFL	UNKNOWN	12.	12.	0.	893.	*
21577	6 777	10 677	0	DRUGS	929307	3144	48	ON DOCK	LTFL	UNKNOWN	13.	13.	0.	3028.	*
32277	10 877	101777	0	DRUGS	971870	38	35	ON DOCK	LTFL	UNKNOWN	26.	26.	0.	124.	*
02877	1 478	1 478	0	CANDY	512	97	020	ON DOCK	LTFL	UNKNOWN	19.	19.	0.	5409.	*
72277	9 177	11 877	0	POTTERY	107224	3066	015	ON DOCK	LTFL	UNKNOWN	9.	9.	0.	600.	*
				GLASSWARE	128254	3066	15	ON DOCK	LTFL	UNKNOWN	11.	11.	0.	300.	*
72777	111177	111577	0	PLSTC/RBBR	119147	3078	22	ON DOCK	LTFL	UNKNOWN	32.	32.	0.	1785.	*
81977	102477	112377	0	PAPER PRDT	150283	97	20	ON DOCK	LTFL	UNKNOWN	34.	34.	0.	1493.	*
7 577	72677	101377	0	TEXTILES	95925	118	25	ON DOCK	LTFL	UNKNOWN	203.	203.	0.	1681.	*
6 977	101077	101777	0	SOAPS	65807	3041	46	ON DOCK	LTFL	UNKNOWN	177.	177.	0.	177.	*
	977 101877	101777	0	BATTERIES	27140	3144	48	ON DOCK	LTFL	UNKNOWN	65.	65.	0.	6799.	*
81677	83077	11 877	0	FOOD GEN	147085	118	25	ON DOCK	LTFL	UNKNOWN	12.	12.	0.	1084.	*
92377	11 777	11 777	0	TOYS	205060	3138	39	ON DOCK	LTFL	UNKNOWN	128.	128.	0.	137.	*
7 577	72577	101377	0	FOOD GEN	93510	118	25	ON DOCK	LTFL	UNKNOWN	14.	14.	0.	495.	*
92677	101777	1 478	0	TOYS	202707	3138	39	ON DOCK	LTFL	UNKNOWN	10.	10.	0.	6325.	*
92677	101977	1 478	0	HSHLD APP	378078	3047	27	ON DOCK	LTFL	UNKNOWN	175.	175.	0.	18000.	*
81777	10 677	112377	0	LEATHER	150061	3047	27	ON DOCK	LTFL	UNKNOWN	80.	80.	0.	80.	*
41777	5 977	101377	0	CLOTHING	143510	118	25	ON DOCK	LTFL	UNKNOWN	26.	26.	0.	1378.	*
62877	72577	1 478	0	METAL PRDT	207338	118	25	ON DOCK	LTFL	UNKNOWN	131.	131.	0.	3029.	*
21477	42777	101777	0	TOYS	922880	102	18	ON DOCK	LTFL	UNKNOWN	108.	108.	0.	194.	*
12 676	41177	8 977	0	PAPER PRDT	4-11A	3132	19	ON DOCK	LTFL	UNKNOWN	8.	8.	0.	627.	*
42677	62077	101377	0	BATTERIES	11979	3142	045	ON DOCK	LTFL	UNKNOWN	40.	40.	0.	1670.	*
8 877	83177	111577	0	TOILETRIES	134212	3032	033	ON DOCK	LTFL	UNKNOWN	186.	186.	0.	4656.	*
91677	102877	112377	0	PAPER PRDT	183271	0026	044	ON DOCK	LTFL	UNKNOWN	25.	25.	0.	738.	*

LOSS DATE	CLAIM DATE	DATE PAID	RECOVERY DATE	GOODS MISSING	FREIGHT BILL	TRUCK NO.	ROUTE NO.	LOSS LOCATION	LOSS CATEGORY	LOSS CAUSE	AMOUNT CLAIMED	AMOUNT PAID	AMOUNT RECOVERED	AMOUNT SHIPPED	C T S S	
91277	102077	112377	0	0	CHEMICALS	176360	0026	44	ON DOCK	LTFL	UNKNOWN	48.	48.	0.	102.	
4 677	111177	111577	0	0	PLSTC/RBBR	61280	3406	40	ON DOCK	LTFL	UNKNOWN	103.	103.	0.	5528.	
111076	41077	8 977	0	0	SOAPS	826961	3142	45	ON DOCK	LTFL	UNKNOWN	86.	86.	0.	483.	
91777	12 777	1 678	0	0	DRUGS	146925	3142	45	ON DOCK	LTFL	UNKNOWN	49.	49.	0.	49.	
	077	101877	0	0	HARDWARE	79454	3070	36	ON DOCK	LTFL	UNKNOWN	22.	22.	0.	22.	
61777	62477	10 777	0	0	BATTERIES	076342	3066	15	ON DOCK	LTFL	UNKNOWN	41.	41.	0.	41.	
	77	9 977	0	0	FURNITURE	985467	1120	11	ON DOCK	LTFL	UNKNOWN	33.	33.	0.	33.	
22477	61377	81177	0	0	TXTL-NOI	5-643	3066	15	ON DOCK	LTFL	UNKNOWN	66.	66.	0.	66.	
3 877	3 877	83077	0	0	PLSTC/RBBR	958049	3047	27	ON DOCK	LTFL	UNKNOWN	30.	30.	0.	3016.	
	77	83077	0	0	PLSTC/RBBR	933163	3047	27	ON DOCK	LTFL	UNKNOWN	141.	141.	0.	1846.	
81877	11 477	11 777	0	0	CARPETS	152020	3066	15	ON DOCK	LTFL	UNKNOWN	37.	37.	0.	37.	
	62977	0	0	0	PLSTC/RBBR	800060	3138	39	ON DOCK	LTFL	UNKNOWN	228.	228.	0.	285.	
11977	7 677	10 677	0	0	FOOD PRPD	898479	97	20	ON DOCK	LTFL	UNKNOWN	188.	188.	0.	376.	
61577	61577	82477	0	0	FURNITURE	070791	26	44	ON DOCK	LTFL	UNKNOWN	134.	134.	0.	134.	
62877	93077	11 177	0	0	FOOD GEN	87617	3142	45	ON DOCK	LTFL	UNKNOWN	343.	343.	0.	343.	
81277	112177	121377	0	0	FOOD GEN	498849	97	20	ON DOCK	LTFL	UNKNOWN	76.	76.	0.	76.	
	0	0	0	0	HARDWARE	936702	97	20	ON DOCK	LTFL	UNKNOWN	69.	69.	0.	69.	
2 277	4 977	81177	0	0	TOYS	751165	102	18	ON DOCK	LTFL	UNKNOWN	60.	60.	0.	250.	
71177	81277	101877	0	0	AUTO PARTS	101943	3732	19	ON DOCK	LTFL	UNKNOWN	34.	34.	0.	34.	
	77	11 977	1 678	0	0	AUTO PARTS	197982	3047	27	ON DOCK	LTFL	UNKNOWN	85.	85.	0.	85.
113076	7 977	83077	0	0	ELCTRC EQP	0705A	3066	15	ON DOCK	LTFL	UNKNOWN	219.	219.	0.	3204.	
					OOD GEN	450981	3144	48	ON DOCK	LTFL	UNKNOWN	59.	59.	0.	59.	
10 577	111177	111777	0	0	TOYS	204887	3142	45	ON DOCK	LTFL	UNKNOWN	46.	46.	0.	46.	
51277	81077	101377	0	0	DRUGS	20766	3077	38	ON DOCK	LTFL	UNKNOWN	68.	68.	0.	68.	
	77	9 977	1 478	0	0	MISC NOI	93260	3142	045	ON DOCK	LTFL	UNKNOWN	12.	12.	0.	12.
2 177	61077	101377	0	0	DRUGS	911629	97	20	ON DOCK	LTFL	UNKNOWN	10.	10.	0.	380.	
	77	0	0	0	TXTL YARN	162869	3047	27	ON DOCK	LTFL	UNKNOWN	1.	1.	0.	1.	
101277	102777	111577	0	0	AUTO PARTS	446	3047	27	ON DOCK	LTFL	UNKNOWN	35.	35.	0.	35.	
92277	92777	1 478	0	0	PLSTC/RBBR	199778	97	20	ON DOCK	LTFL	UNKNOWN	319.	319.	0.	319.	
22477	51977	10 677	0	0	TOYS	940057	102	18	ON DOCK	LTFL	UNKNOWN	62.	62.	0.	62.	
21677	51077	10 677	0	0	HARDWARE	931586	3045	047	ON DOCK	LTFL	UNKNOWN	27.	27.	0.	27.	
	2977	9 977	0	0	BATTERIES	862703	3077	38	ON DOCK	LTFL	UNKNOWN	125.	125.	0.	2184.	
2 477	4 177	81177	0	0	DRUGS	918551	3132	19	ON DOCK	LTFL	UNKNOWN	155.	155.	0.	4411.	
5 577	52177	10 777	0	0	INSCTCIDES	026254	3122	23	ON DOCK	LTFL	UNKNOWN	35.	35.	0.	514.	
41177	62877	101877	0	0	DRUGS	922922	3041	46	ON DOCK	LTFL	UNKNOWN	16.	16.	0.	288.	
41677	52677	101877	0	0	EXPLOSIVES	29	3138	39	ON DOCK	LTFL	UNKNOWN	13.	13.	0.	760.	
121576	41277	81177	0	0	FOOD GEN	865750	3144	48	ON DOCK	LTFL	UNKNOWN	21.	21.	0.	6258.	
9 376	4 577	81177	0	0	TXTL-NOI	754201	3047	27	ON DOCK	LTFL	UNKNOWN	33.	33.	0.	207.	
5 977	53177	91577	0	0	PLSTC/RBBR	29453	97	20	ON DOCK	LTFL	UNKNOWN	172.	172.	0.	773.	
122176	41477	81177	0	0	TOYS	870847	152	26	ON DOCK	LTFL	UNKNOWN	127.	127.	0.	1216.	

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LOSS DATE	CLAIM DATE	DATE PAID	RECOVERY CLAIM DATE	GOODS MISSING	FREIGHT BILL	TRUCK NO.	ROUTE NO.	LOSS LOCATION	LOSS CATEGORY	LOSS CAUSE	AMOUNT CLAIMED	AMOUNT PAID	AMOUNT RECOVERED	AMOUNT SHIPPED	C T	
4 877	111077	111677	0	0	PLSTC/RBBR	205564	3032	33	ON DOCK	LTFI	UNKNOWN	80.	80.	0.	5680.	*
					CLOTHING	1ML70046	131	32	ON DOCK	LTFI	UNKNOWN	60.	60.	0.	2940.	*
91677	111177	111677	0	0	PAPER PRDT	178185	3138	39	ON DOCK	LTFI	UNKNOWN	68.	68.	0.	1579.	*
10 477	11 877	1 678	0	0	PLSTC/RBBR	299878	3144	48	ON DOCK	LTFI	UNKNOWN	99.	99.	0.	1117.	*
	6 677	1 777	0	0	TV/RADIO	040820	118	25	ON DOCK	LTFI	UNKNOWN	298.	298.	0.	1205.	*
102777	111177	12 377	0	0	TOYS	201314	97	20	ON DOCK	LTFI	UNKNOWN	37.	37.	0.	9291.	*
	77 111177	111677	0	0	DRUGS	147574	102	18	ON DOCK	LTFI	UNKNOWN	40.	40.	0.	360.	*
72777	81977	101877	0	0	FURNITURE	121065	3122	23	ON DOCK	LTFI	UNKNOWN	34.	34.	0.	299.	*
42077	5 277	111677	0	0	HSHLD APP	7054	2022	14	ON DOCK	LTFI	UNKNOWN	48.	48.	0.	664.	*
	977	101877	0	0	FOOD GEN	17029	26	44	ON DOCK	LTFI	UNKNOWN	37.	37.	0.	1108.	*
11 877	111677	1 478	0	0	PRNTD MTRL	28920	3032	33	ON DOCK	LTFI	UNKNOWN	84.	84.	0.	2000.	*
	51877	8 877	0	0	FOOD PRSVD	874095	130	34	ON DOCK	LTFI	UNKNOWN	160.	160.	0.	3540.	*
61777	72777	11 877	0	0	PAPER PRDT	78380	2022	14	ON DOCK	LTFI	UNKNOWN	139.	139.	0.	3000.	*
21077	31477	62977	0	0	PAPER PRDT	6-8A	152	26	ON DOCK	LTFI	UNKNOWN	67.	67.	0.	1441.	*
2577	61077	62977	0	0	PAPER PRDT	3-23B	89	30	ON DOCK	LTFI	UNKNOWN	5.	5.	0.	2267.	*
123076	33077	62977	0	0	PAPER PRDT	69688	3047	27	ON DOCK	LTFI	UNKNOWN	50.	50.	0.	16477.	*
	077	62977	0	0	PAPER PRDT	51714	130	34	ON DOCK	LTFI	UNKNOWN	50.	50.	0.	3500.	*
42677	51977	83077	0	0	MISC NOI	014184	3047	27	ON DOCK	LTFI	UNKNOWN	647.	647.	0.	2405.	*
10 176	42677	8 977	0	0	CLOTHING	983541	3078	22	ON DOCK	LTFI	UNKNOWN	163.	163.	0.	272.	*
23076	42977	83077	0	0	PAPER PRDT	878838	97	20	ON DOCK	LTFI	UNKNOWN	85.	85.	0.	3427.	*
4 477	82977	101777	0	0	SOAPS	987902	118	25	ON DOCK	LTFI	UNKNOWN	14.	14.	0.	200.	*
	7 112377	0	0	0	DRUGS	181692	3078	22	ON DOCK	LTFI	UNKNOWN	13.	13.	0.	190.	*
2 177	92977	11 777	0	0	DRUGS	913132	26	44	ON DOCK	LTFI	UNKNOWN	42.	42.	0.	330.	*
4 677	51077	10 677	0	0	PRNTD MTRL	991507	102	18	ON DOCK	LTFI	UNKNOWN	112.	112.	0.	925.	*
101476	41277	8 977	0	0	PAPER PRDT	798177	3078	22	ON DOCK	LTFI	UNKNOWN	21.	21.	0.	955.	*
51477	61377	8 977	0	0	CLOTHING	37386	3066	15	ON DOCK	LTFI	UNKNOWN	389.	389.	0.	1090.	*
2 577	52077	03077	0	0	CLOTHING	920247	3137	49	ON DOCK	LTFI	UNKNOWN	121.	121.	0.	2500.	*
82377	41078	42678	0	0	TOILETRIES	155301	3046	40	UNKNOWN	LTFI	UNKNOWN	54.	54.	0.	54.	*
22878	3 878	42678	0	0	PLSTC/RBBR	388194	2022	14	UNKNOWN	LTFI	UNKNOWN	18.	18.	0.	2965.	*
111577	31378	42678	0	0	PAPER PRDT	257487	26	44	UNKNOWN	LTFI	UNKNOWN	53.	53.	0.	449.	*
8 977	3 778	42678	0	0	HARDWARE	136620	3150	16	UNKNOWN	LTFI	UNKNOWN	19.	19.	0.	231.	*
2 878	31678	42678	0	0	SOAPS	210029	3081	41	UNKNOWN	LTFI	UNKNOWN	88.	88.	0.	385.	*
82377	3 878	42678	0	0	PLSTC/RBBR	151189			UNKNOWN	LTFI	UNKNOWN	86.	86.	0.	1522.	*
31378	33078	42678	0	0	HARDWARE	405840	3142	45	UNKNOWN	LTFI	UNKNOWN	88.	88.	0.	1821.	*
31478	31678	42678	0	0	HARDWARE	407617	3142	45	UNKNOWN	LTFI	UNKNOWN	6.	6.	0.	211.	*
3 878	3 878	42678	0	0	PLSTC/RBBR	398592		61	UNKNOWN	LTFI	UNKNOWN	84.	84.	0.	4754.	*
31678	33078	42678	0	0	CARPETS	410860		39	UNKNOWN	LTFI	UNKNOWN	62.	62.	0.	2600.	*
92977	3 778	42678	0	0	HARDWARE	201965			UNKNOWN	LTFI	UNKNOWN	261.	261.	0.	261.	*
21778	31778	42678	0	0	TOILETRIES	376555	38	035	UNKNOWN	LTFI	UNKNOWN	73.	73.	0.	701.	*
112277	4 378	42678	0	0	PAPER PRDT	271128	89	30	UNKNOWN	LTFI	UNKNOWN	18.	18.	0.	300.	*

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LOSS DATE	CLAIM DATE	DATE CLAIM	RECOVERY DATE	GOODS MISSING	FREIGHT BILL	TRUCK NO.	ROUTE NO.	LOSS LOCATION	LOSS CATEGORY	LOSS CAUSE	AMOUNT CLAIMED	AMOUNT PAID	AMOUNT RECOVERED	AMOUNT SHIPPED	C T S B
															PAID
3 378	4 778	42678	0 0	TOILETRIES	390387	3045	47	UNKNOWN	LTFL	UNKNOWN	11.	11.	0.	428.	
3 178	31578	42678	0 0	TOYS	202391	3124	39	UNKNOWN	LTFL	UNKNOWN	42.	42.	0.	42.	
3 778	41078	42678	0 0	HARDWARE	499062	3132	19	UNKNOWN	LTFL	UNKNOWN	13.	13.	0.	1320.	*
11 777	3 678	42678	0 0	AUTO PARTS	2009	3046	40	UNKNOWN	LTFL	UNKNOWN	74.	74.	0.	74.	
62577	81777	42678	0 0	MISC NOI	086478	3142	45	UNKNOWN	LTFL	UNKNOWN	225.	225.	0.	225.	
3 678	32178	42678	0 0	HARDWARE	397032	3077	38	UNKNOWN	LTFL	UNKNOWN	23.	23.	0.	23.	
11678	31678	42678	0 0	HARDWARE	333873		20	UNKNOWN	LTFL	UNKNOWN	154.	154.	0.	497.	
31378	31678	42678	0 0	PLSTC/RBBR	403623		40	UNKNOWN	LTFL	UNKNOWN	48.	48.	0.	1261.	
3 878	32378	42678	0 0	MISC NOI	400868		19	UNKNOWN	LTFL	UNKNOWN	292.	292.	0.	1600.	*
101177	12378	42678	0 0	CLOTHING	215391	2022	14	UNKNOWN	LTFL	UNKNOWN	40.	40.	0.	40.	
21578	33178	42678	0 0	TOILETRIES	371014		045	UNKNOWN	LTFL	UNKNOWN	29.	29.	0.	1037.	
11278	13078	42678	0 0	HARDWARE	027081	3066	15	UNKNOWN	LTFL	UNKNOWN	14.	14.	0.	512.	
22378	33078	42678	0 0	HARDWARE	382938	3070	36	UNKNOWN	LTFL	UNKNOWN	18.	18.	0.	162.	*
21178	4 378	42678	0 0	FOOD PRSD	369501	3046	40	UNKNOWN	LTFL	UNKNOWN	11.	11.	0.	11.	
378	32778	42678	0 0	PAPER PRDT	357771	97	20	UNKNOWN	LTFL	UNKNOWN	13.	13.	0.	3400.	*
2 778	32778	42678	0 0	METAL PRDT	363938	3078	22	UNKNOWN	PILPRAGE	UNKNOWN	7.	7.	0.	212.	*
					105	3180	15	UNKNOWN	LTFL	UNKNOWN	104.	104.	0.	242.	
2 278	31078	42678	0 0	HARDWARE	357106		50	UNKNOWN	LTFL	UNKNOWN	222.	222.	0.	067.	
21578	3 378	42678	0 0	TOILETRIES	372143		50	UNKNOWN	LTFL	UNKNOWN	12.	12.	0.	1200.	
101777	32078	42678	0 0	HARDWARE	223716	3132	019	UNKNOWN	LTFL	UNKNOWN	36.	36.	0.	36.	*
122777	32078	42678	0 0	HARDWARE	299915	26	044	UNKNOWN	LTFL	UNKNOWN	67.	67.	0.	67.	
22878	31678	42678	0 0	HARDWARE	266454	3137	049	UNKNOWN	LTFL	UNKNOWN	80.	80.	0.	715.	
123077	41278	42678	0 0	DRUGS	316289	3046	040	UNKNOWN	LTFL	UNKNOWN	44.	44.	0.	1762.	
3 378	32478	42678	0 0	CHEMICALS	395304	0097	020	UNKNOWN	LTFL	UNKNOWN	120.	120.	0.	120.	*
10 377	21078	32478	0 0	HARDWARE	204742	3155	013	UNKNOWN	LTFL	UNKNOWN	28.	28.	0.	199.	
112377	122877	32478	0 0	FOOD GEN	270900		021	UNKNOWN	LTFL	UNKNOWN	27.	27.	0.	491.	*
21877	82077	32478	0 0	CLOTHING	070337	3077	38	UNKNOWN	LTFL	UNKNOWN	448.	448.	0.	448.	
4 477	8 977	13178	0 0	TOILETRIES	986022		044	UNKNOWN	LTFL	UNKNOWN	46.	46.	0.	46.	
10 377	111877	13178	0 0	HARDWARE	204319		036	UNKNOWN	LTFL	UNKNOWN	36.	36.	0.	129.	*
10 377	12 977	13178	0 0	HARDWARE	205426		050	UNKNOWN	LTFL	UNKNOWN	17.	17.	0.	17.	
113077	113077	22478	0 0	TOILETRIES	278624	3124	039	UNKNOWN	LTFL	UNKNOWN	63.	63.	0.	5344.	
10 577	112877	22478	0 0	MISC NOI	207884		014	UNKNOWN	LTFL	UNKNOWN	19.	19.	0.	884.	
12 277	22178	32478	0 0	DRUGS	278950	3124	039	UNKNOWN	LTFL	UNKNOWN	21.	21.	0.	1277.	
111677	13078	32478	0 0	HARDWARE	7905450		019	UNKNOWN	LTFL	UNKNOWN	60.	60.	0.	3697.	*
101077	122877	21578	0 0	TOILETRIES	210756		039	UNKNOWN	LTFL	UNKNOWN	122.	122.	0.	122.	
102777	121577	21578	0 0	HARDWARE	3771	3077	038	UNKNOWN	LTFL	UNKNOWN	23.	23.	0.	1175.	
62377	62877	13178	0 0	MISC NOI	2720	3142	045	UNKNOWN	LTFL	UNKNOWN	15.	15.	0.	590.	
92177	11078	21778	0 0	PAPER PRDT	202394		020	UNKNOWN	LTFL	UNKNOWN	17.	17.	0.	620.	*
111977	1 678	21778	0 0	MISC NOI	269143	3047	023	UNKNOWN	LTFL	UNKNOWN	34.	34.	0.	34.	
12 677	11578	21778	0 0	TOILETRIES	286929		058	UNKNOWN	LTFL	UNKNOWN	83.	83.	0.	83.	

LOSS DATE	CLAIM DATE	DATE CLAIM PAID	RECOVERY DATE	GOODS MISSING	FREIGHT BILL	TRUCK NO.	ROUTE NO.	LOSS LOCATION	LOSS CATEGORY	LOSS CAUSE	AMOUNT CLAIMED	AMOUNT PAID	AMOUNT RECOVERED	AMOUNT SHIPPED	C S	T S
1 978	21078	21778	0	HARDWARE	324599		034	UNKNOWN	LTFL	UNKNOWN	67.	67.	0.	1024.	*	
		178	0	MISC NOI	204490	3124	039	UNKNOWN	LTFL	UNKNOWN	171.	171.	0.	171.		
11 977	111977	21578	0	HARDWARE	201344	3070	036	UNKNOWN	LTFL	UNKNOWN	147.	147.	0.	5127.	*	
22178	41278	52278	0	AUTO PARTS	201540	3058	33	UNKNOWN	LTFL	UNKNOWN	85.	85.	0.	26857.	*	
	41278	52278	0	AUTO PARTS	201540	3058	33	UNKNOWN	LTFL	UNKNOWN	85.	85.	0.	26857.	*	
3 776	42078	52278	0	TOILETRIES	397908		39	UNKNOWN	LTFL	UNKNOWN	20.	20.	0.	1979.		
		278	0	MISC NOI	072402	3046	40	UNKNOWN	LTFL	UNKNOWN	22.	22.	0.	26010.		
32078	4 778	52278	0	MISC NOI	415646	152	26	UNKNOWN	LTFL	UNKNOWN	32.	32.	0.	2538.	*	
41178	42678	52678	0	PAINTS	447731	3094	37	UNKNOWN	LTFL	UNKNOWN	14.	14.	0.	14.	*	
		2678	0	DRNGS	301329	3081	41	UNKNOWN	LTFL	UNKNOWN	106.	106.	0.	106.		
2 678	4 378	52678	0	PAPER PRDT	359761		61	UNKNOWN	LTFL	UNKNOWN	133.	133.	0.	6670.		
92977	4 378	52678	0	PAPER PRDT	203198		48	UNKNOWN	LTFL	UNKNOWN	143.	143.	0.	2720.	*	
92377	4 378	52678	0	PAPER PRDT	194271	3077	38	UNKNOWN	LTFL	UNKNOWN	46.	46.	0.	1730.	*	
92377	4 378	52678	0	PAPER PRDT	194271	3077	38	UNKNOWN	LTFL	UNKNOWN	46.	46.	0.	1780.	*	
101977	4 378	52678	0	MISC NOI	224093		48	UNKNOWN	LTFL	UNKNOWN	42.	42.	0.	3037.	*	
12178	13078	52678	0	MISC NOI	022478	131	32	UNKNOWN	LTFL	UNKNOWN	61.	61.	0.	61.	*	
2 278	4 378	52678	0	MISC NOI	355180		19	UNKNOWN	LTFL	UNKNOWN	253.	253.	0.	1391.	*	
12578	41378	52678	0	HSHLD APP	203026	3074	21	UNKNOWN	LTFL	UNKNOWN	56.	56.	0.	10966.	*	
21578	41378	52678	0	FOOD PRSVD	372059		18	UNKNOWN	LTFL	UNKNOWN	27.	27.	0.	17736.	*	
33178	41478	52678	0	PLSTC/RBBR	434259	3142	45	UNKNOWN	LTFL	UNKNOWN	199.	199.	0.	1328.	*	
32278	41778	52678	0	CIGARETTES	418932		40	UNKNOWN	LTFL	UNKNOWN	63.	63.	0.	1563.	*	
41 277	41478	52678	0	TOOLS--PWR	245657	2022	14	UNKNOWN	LTFL	UNKNOWN	901.	901.	0.	901.	*	
1 678	41778	52678	0	HARDWARE	732858	3077	38	UNKNOWN	LTFL	UNKNOWN	74.	74.	0.	6412.	*	
8 477	12 177	52678	0	FURNITURE	132665		39	UNKNOWN	LTFL	UNKNOWN	111.	111.	0.	111.	*	
31378	32278	52678	0	PAPER PRDT	018844	102	19	UNKNOWN	LTFL	UNKNOWN	177.	177.	0.	2268.	*	
111877	4 478	52678	0	PAPER PRDT	267074	130	34	UNKNOWN	LTFL	UNKNOWN	131.	131.	0.	2918.	*	
12178	31878	52678	0	TOYS	349746	152	25	UNKNOWN	LTFL	UNKNOWN	65.	65.	0.	331.	*	
22278	5 178	52678	0	PAPER PRDT	377967		48	UNKNOWN	LTFL	UNKNOWN	11.	11.	0.	43.	*	
32278	41378	52678	0	SOAPS	419185		38	UNKNOWN	LTFL	UNKNOWN	21.	21.	0.	80.	*	
3 978	4 778	42678	0	MISC NOI	409367		20	UNKNOWN	LTFL	UNKNOWN	8.	8.	0.	161.	*	
3 178	42478	52278	0	CANDY	34779		48	UNKNOWN	LTFL	UNKNOWN	38.	38.	0.	3874.	*	
92077	111677	52278	0	MISC NOI	205792		39	UNKNOWN	LTFL	UNKNOWN	1850.	1850.	0.	1850.	*	

PRM BILL LOSS DATE ICC CODE ROUTE TRUCK PLACE CAT CLAIM DATE CLAIM DATE PAID AMT PAID RCVRY DATE AMT RCVRD SHIP VALUE CAUSE

17582	3.2877	3652	19	3132	3.	2.	9.2377	62.	118.77	62.	0.0.0.	0.	100.	1.
201372	9.2677	2600	39	3138	3.	2.	118.77	428.	1.4.78	428.	0.0.0.	0.	13.	1.
133000156	6.7.77	3420	119	0076	3.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
133003251	10177	3500	116	886	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
118008166	112.77	2390	140	0708	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
113007690	9.2977	2390	128	0	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
113005145	6.9.77	2200	117	205	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
111005721	101877	2300	113	976	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
097023356	126.77	3540	110	986	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
088000149	113.77	3940	120	889	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
067199680	9.2877	3940	131	1448	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
067407595	128.77	3651	133	0765	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
062063280	102677	4600	114	881	1.	3.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
061060410	1.9.78	2070	140	112	1.	3.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
053094666	1.9.78	3714	115	2234	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
043133896	101977	3651	108	0072	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
040053628	9.2277	3500	124	1760	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
039048784	1.5.78	2000	116	0528	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
037130611	101977	3714	140	078	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
036129594	1.5.78	3000	118	109	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
031042641	9.2277	2600	122	070	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
031042989	107.77	2600	137	5003	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
023238135	9.2977	3010	114	886	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
023239901	102677	2300		931	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
018021511	6.3.77	2600	129		2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
014417155	9.3077	3000		874	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
014425668	111077	3000		0067	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
014421270	119.77	3000		0708	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
014430448	129.77	2844		0106	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
009013140	111.77	3540		9912	1.	3.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
009013656	1.1078	3420		1879	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
007255048	114.77	2844	117	927	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
007262307	1.1678	3540	10		2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
006311735	101077	2500			1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
006311592	101077	3640	128	1543	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
006310966	101877	3000		889	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
006315437	111077	3940	124	987	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
006320203	121277	2200	124	0113	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
006324199	1.1178	2830	112	068	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
001029001	121.77	2840		0078	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.

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004142330	101477	3010		1376	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
132000959	101777	2300	121	967	3.	2.	102477	101.	111877	101.	0.0.0.	0.	1150.	7.
062063208	102677	4600	114	881	1.	2.	123177	372.	0.0.0.	0.	1.2277	372.	6246.	2.
064012041	9.2877	3210	107	1479	1.	2.	101077	89.	102477	89.	0.0.0.	0.	1824.	1.
017131685	122.77	2100		986	1.	2.	1.1078	33.	1.2778	33.	0.0.0.	0.	336.	2.
023240314	103177	2200	130	1440	2.	2.	112277	180.	1.1678	186.	0.0.0.	0.	4535.	2.
014418641	101077	4600	133	983	1.	2.	102677	36.	118.77	38.	0.0.0.	0.	1577.	2.
014405499	7.2977	3000		0423	1.	2.	9.2877	31.	101077	31.	0.0.0.	0.	907.	1.
010183124	102677	2050		891	2.	2.	119.77	42.	126.77	42.	0.0.0.	0.	638.	1.
009013120	103177	3420		2351	2.	3.	122177	110.	1.3.78	110.	0.0.0.	0.	47200.	0.
005066547	5.5.77	0.	114		2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
005067480	6.2177	3940	120	499	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
006306054	9.8.77	4600	138	0071	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
005067182	6.6.77	3600	114	934	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
006303839	9.1877	2390	111	0876	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
006304540	8.2477	3400	135	949	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
006295979	6.1477	3400	128	986	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
006294390	6.6.77	3652	126	0987	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
006295645	6.1077	2600	107	947	2.	2.	6.2477	7040.	7.2077	7040.	0.0.0.	0.	1760.	1.
007247359	6.1477	3420	132	881	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
007244765	5.5.77	3630	108	1036	2.	2.	5.2577	8988.	6.2177	8988.	0.0.0.	0.	149200.	7.
007252982	8.3177	2030	131	895	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
010174032	6.2077	2300	113	230	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
010174100	6.2177	3714	119	0076	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
010174034	6.2077	2870	139	0073	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
010175062	7.5.77	2300	122	981	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
011035003	7.2677	2600	128	930	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
014413617	9.1277	3100		931	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
014402719	7.1977	2840	128	988	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
014398125	6.1777	2300	122	844	3.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
014402396	7.1277	3500	122	0254	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
014392475	5.1777	3600	108		1.	3.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
014390189	5.4.77	2300	138	0071	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
014397782	6.1777	3000		924	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
014405499	7.2977	3000		0423	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
014399131	6.2777	2200	124	1074	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
017013988	7.5.77	3500	138		2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
018021511	6.3.77	2600	129		2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
021071713	6.1577	4600	135	948	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
021069713	5.1377	3714	114	888	3.	3.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.

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023229165	5.4.77	2500	110	850	1.	3.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
023230704	5.2377	2300	124	1813	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
023236612	9.2.77	3714	133	985	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
022167337	6.9.77	3420	131	895	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
3167081	6.9.77	3010	120	987	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
022170004	7.1977	3430	130	8119	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
021069220	5.9.77	3300	132	887	2.	3.	5.2.77	2225.	6.3077	2225.	0.0.0.	0.	103900.	1.
21076124	8.2977	2030	125		1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
021070708	6.1.77	3420	110	963	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
023229793	8.1177	3600	113		1.	3.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
31639140	6.5.77	2800	128	0684	3.	3.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
031040003	6.8.77	2600	120		2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
028059980	5.2577	2870	141	0872	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
027075354	9.8.77	3400	132	1323	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
027070798	5.3177	2600	124		2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
032087930	5.1177	3600	121		1.	3.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
2091180	9.1.77	3714	122	076	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
033078833	6.1677	3600	122	844	3.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
033078007	5.2477	3600		8136	3.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
033078571	6.9.77	3010	112	029	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
033077365	5.1177	3420	135		1.	3.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
033077357	5.4.77	2042	123	0074	3.	3.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
7962	5.2077	3010		0714	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
033081051	8.3177	3010	17	1057	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
036120654	9.6.77	2700	138	0071	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
037126238	6.1377	2280	138	071	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
036112729	5.9.77	3420	120		1.	3.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
046013811	6.2977	3420	130	924	3.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
5037432	9.7.77	3600	118	921	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
044024560	5.9.77	3420	114	1698	1.	3.	7.2277	3744.	8.2377	2880.	0.0.0.	0.	0.	1.
053077081	5.1077	0.	130	0918	1.	3.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
062062028	9.9.77	4600	123	074	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
062059196	5.1777	3640	101		3.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
062059452	5.3177	3910	107	0069	1.	3.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
9892	6.1877	3640	107	069	1.	3.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
067395908	8.2377	3714	136	983	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
071029271	9.8.77	2300	118	2529	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
067385646	5.1077	3940	120	934	1.	3.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
111004319	7.2077	3651	137	947	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
103004695	6.1677	842.	124	922	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.

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103004679	6.1677	842.	135		1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
088005698	5.3.77	2840	118	984	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
073037276	5.1277	2800	120	846	1.	3.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
112007810	9.9.77	2390	126		1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
	2377	2300	136	849	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
111003876	6.1477	2300	135	948	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
111003923	6.1677	2200	124	371	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
11004820	8.2377	2200	126	1270	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
113005954	7.2077	4600	118	0725	1.	3.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
113006133	7.2977	2280	122	2176	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
	08897	2300	137	8640	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
113004850	5.2477	2850	120	0740	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
113004671	5.1677	2200	116	949	3.	3.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
116003042	6.2277	2390	121	1540	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
118007159	9.1277	2200	123	1049	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
117002333	7.2377	2300	128	930	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
	7002079	2300	128	0330	2.	3.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
121002989	6.2177	3600		8484	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
122003056	9.7.77	3652		985	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
133000156	6.7.77	3420	119	0076	3.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
001866643	7.1877	2200		2372	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
002229622	7.2077	2850	123	0667	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
	4043011	2840	129	2062	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
022166336	5.9.77	3420	129		2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
084017400	6.1777	3630		335	1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
103004695	6.1677	842.	124	0922	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
103004679	6.1677	842.	135		1.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
031039140	5.8.77	2800	128	0684	3.	3.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
	21070708	3420	110	0963	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
005067132	6.6.77	3600	114	0934	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
007247359	6.1477	3420	132	0881	2.	2.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.	0.
	069 0	7	3300	132	0887	2.	3.	0.0.0.	0.	0.0.0.	0.	0.0.0.	0.	0.

LOSS DATE	CLAIM DATE	DATE CLAIM PAID	RECOVERY DATE	GOODS MISSING	FREIGHT BILL	TRUCK NO.	ROUTE NO.	LOSS LOCATION	LOSS CATEGORY	LOSS CAUSE	AMOUNT CLAIMED	AMOUNT PAID	AMOUNT RECOVERED	AMOUNT SHIPPED	C	T
112177	4 378	42178	0 0	DRUGS	B17868	89	25	UNKNOWN	LTFL	UNKNOWN	10.	10.	0.	14269.		
2977	33078	41778	0 0	SOAPS	B47953	48	9	UNKNOWN	LTFL	UNKNOWN	85.	85.	0.	2000.		
81677	12578	2 378	0 0	SOAPS	B3809	45	9	UNKNOWN	LTFL	UNKNOWN	9.	9.	0.	1100.		
112577	41778	42878	0 0	SOAPS	B47513	85	8	UNKNOWN	LTFL	UNKNOWN	6.	6.	0.	244.		
		1778	0 0	DRUGS	B20254	85	8	UNKNOWN	LTFL	UNKNOWN	323.	14.	0.	15623.		
92177	21578	32478	0 0	TOILETRIES	B22033	25	18	UNKNOWN	LTFL	UNKNOWN	72.	72.	0.	22200.		
78	4 778	42178	0 0	DRUGS	B8259	73	21	UNKNOWN	LTFL	UNKNOWN	12.	12.	0.	423.		
122077	3 278	31778	0 0	DRUGS	B9659	28	27	UNKNOWN	LTFL	UNKNOWN	7.	7.	0.	312.		
112977	22778	41778	0 0	PAPER PRDT	B18337	53	15	UNKNOWN	LTFL	UNKNOWN	71.	71.	0.	2000.		
4 778	4 778	42178	0 0	DRUGS	B23115	85	8	UNKNOWN	LTFL	UNKNOWN	13.	13.	0.	3181.		
102177	21578	3 278	0 0	PHOTO SUP	B120455	31	7	UNKNOWN	LTFL	UNKNOWN	78.	78.	0.	16417.		
1 78	2 978	31778	0 0	FOOD PRVD	B45993	12	6	UNKNOWN	LTFL	UNKNOWN	31.	31.	0.	12600.		
71577	32778	41778	0 0	CANDY	B35625	28	27	UNKNOWN	LTFL	UNKNOWN	62.	14.	0.	6008.		
122177	32978	41778	0 0	TOILETRIES	B1664	4	3	UNKNOWN	LTFL	UNKNOWN	29.	29.	0.	446.		
112677	22378	3 278	0 0	HSHLD APP	B46038	12	5	UNKNOWN	LTFL	UNKNOWN	61.	61.	0.	3478.		
101877	3 278	31778	0 0	PAPER PRDT	B8925	53	15	UNKNOWN	LTFL	UNKNOWN	20.	20.	0.	920.		
	1078	32478	0 0	DRUGS	B5146	25	16	UNKNOWN	LTFL	UNKNOWN	316.	316.	0.	11088.		
11177	33078	42178	0 0	DRUGS	B5682	25	16	UNKNOWN	LTFL	UNKNOWN	52.	52.	0.	3272.		
21778	41778	5 578	0 0	DRUGS	B52839	25	16	UNKNOWN	LTFL	UNKNOWN	40.	40.	0.	2963.		
21778	41778	5 578	0 0	DRUGS	B52839	25	16	UNKNOWN	LTFL	UNKNOWN	40.	40.	0.	2963.		
91277	42078	42878	0 0	DRUGS	B3010	89	25	UNKNOWN	LTFL	UNKNOWN	20.	8.	0.	3303.		
122277	42078	42878	0 0	DRUGS	B5147	89	25	UNKNOWN	LTFL	UNKNOWN	57.	57.	0.	8182.		
101877	42778	51878	0 0	SOAPS	B44050	53	15	UNKNOWN	LTFL	UNKNOWN	1221.	1221.	0.	26946.		
2 778	42078	42878	0 0	PAPER PRDT	B41129	25	16	UNKNOWN	LTFL	UNKNOWN	19.	19.	0.	829.		
41078	5 178	51878	0 0	TOILETRIES	B49203	12	6	UNKNOWN	LTFL	UNKNOWN	8.	8.	0.	246.		
41478	5 378	5 978	0 0	TOILETRIES	B50178	25	16	UNKNOWN	LTFL	UNKNOWN	7.	7.	0.	3105.		
101077	1 478	51878	0 0	TOILETRIES	B67378	45	9	UNKNOWN	LTFL	UNKNOWN	16.	16.	0.	848.		
42078	51278	52678	0 0	TOILETRIES	B33310	25	16	UNKNOWN	LTFL	UNKNOWN	45.	45.	0.	1315.		
3 178	51878	52678	0 0	TOILETRIES	B43491	85	8	UNKNOWN	LTFL	UNKNOWN	15.	15.	0.	3812.		
62777	2 378	3 778	0 0	ANML FEED	B43514	74	20E	UNKNOWN	LTFL	UNKNOWN	11.	9.	0.	500.		
51778	51778	63078	0 0	SOAPS	C16379	85	8	UNKNOWN	LTFL	UNKNOWN	20.	20.	0.	390.		
22878	61378	63078	0 0	DRUGS	B23584	31	7	UNKNOWN	LTFL	UNKNOWN	122.	122.	0.	763.		
13078	6 278	62678	0 0	SOAPS	B8500	28	27	UNKNOWN	LTFL	UNKNOWN	19.	19.	0.	380.		
21778	21778	62678	0 0	TOILETRIES	B104869	28	27	UNKNOWN	LTFL	UNKNOWN	25.	25.	0.	270.		
10 377	6 278	71078	0 0	CANDY	B8441	45	9	UNKNOWN	LTFL	UNKNOWN	425.	108.	0.	1200.		
93077	6 278	71078	0 0	CANDY	B37969	85	8	UNKNOWN	LTFL	UNKNOWN	221.	180.	0.	1800.		
31378	51578	62678	0 0	FOOD GEN	B12924	25	18	UNKNOWN	LTFL	UNKNOWN	65.	65.	0.	593.		
51278	53078	62678	0 0	TOILETRIES	B46034	45	9	UNKNOWN	LTFL	UNKNOWN	9.	9.	0.	1045.		
12 877	51978	62678	0 0	DRUGS	B28328	45	9	UNKNOWN	LTFL	UNKNOWN	19.	19.	0.	1582.		
3 178	51878	52678	0 0	TOILETRIES	B43491	45	9	UNKNOWN	LTFL	UNKNOWN	15.	15.	0.	3812.		



END