

Beaver Valley
Joint Frequency Distribution Tables
for
Batch Releases

Delta T (150ft-35ft) and 35-Ft Wind
and
Delta T (500ft-35ft) and 500-Ft Wind
Third Quarter 1991

IE48 1/1

9203090054 911231
PDR ADOCK 05000334
R PDR

HALLIBURTON NUS

BEAVER VALLEY JFD - GROUND LEVEL BATCH RELEASES

SITE IDENTIFIER: D18V2

DATA PERIOD EXAMINED: 7/ 7/91 - 9/22/91

***	380	QTR	1091	***
-----	-----	-----	------	-----

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT:

WIND FREQUENCIES AT 1.5 MPH

03395
SPEED

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NNW	NW	TOTAL
CALM																	0
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	4
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	4

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND	MEASURED	AT:	33.0 FEE
WIND	THRESHOLD	AT:	75 MPH

WIND INSTRUMENTED AT: 173 MM

SPEED

[illegible]

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - GROUND LEVEL BATCH RELEASES
 SITE IDENTIFIER: DLBVZ
 DATA PERIOD EXAMINED: 7/ 7/91 - 9/22/91

*** SRD QTR 1991 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.76- 3.50	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
3.51- 7.50	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	5
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	1	0	0	0	1	1	1	1	0	1	1	7

BEAVER VALLEY JFO - GROUND LEVEL BATCH RELEASES

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 7/ 7/91 - 9/22/91

*** 3RD QTR 1991 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	0	0	0	2	1	1	1	2	0	0	1	0	0	2	0	0
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	2	1	1	1	2	0	1	1	0	0	2	0	11

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	0	0	0	1	3	0	0	1	1	0	0	0	0	0	0	0
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	1	3	0	0	1	1	0	0	0	0	0	0	5

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - GROUND LEVEL BATCH RELEASES

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 7/ 7/91 - 9/22/91

*** 3RD QTR 1991 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.76- 3.50	0	0	0	0	0	1	1	3	0	0	0	0	0	0	0	0	5
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	1	1	3	0	0	0	0	0	0	0	0	5

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.76- 3.50	0	0	0	0	4	5	2	4	3	1	0	1	0	0	3	0	23
3.51- 7.50	0	0	0	0	0	0	0	0	1	2	2	1	0	2	0	4	12
7.51-12.50	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	4	5	2	4	4	3	3	2	0	2	3	4	36

BEAVER VALLEY - GROUND LEVEL BATCH RELEASES

SITE IDENTIFIER: DLBVZ

DATA PERIOD EXAMINED: 7/ 7/91 - 9/22/91

*** 3RD QTR 1991 ***

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

TOTAL NUMBER OF OBSERVATIONS: 36

TOTAL NUMBER OF VALID OBSERVATIONS: 36

TOTAL NUMBER OF MISSING OBSERVATIONS: 0

PERCENT DATA RECOVERY FOR THIS PERIOD: 100.0 %

MEAN WIND SPEED FOR THIS PERIOD: 3.1 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
11.11	2.78	5.56	19.44	30.56	16.67	13.89

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	0
B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
C	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
D	0	0	0	0	1	0	0	0	1	1	1	1	0	1	1	0	0
E	0	0	0	0	2	1	1	1	2	0	1	1	0	0	2	0	0
F	0	0	0	0	1	3	0	0	1	1	0	0	0	0	0	0	0
G	0	0	0	0	0	1	1	3	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	4	5	2	4	4	3	5	2	0	2	3	4	0

PROGRAM: JFD

BEAVER VALLEY JFD - ELEVATED BATCH RELEASES
SITE IDENTIFIER: DL8VZ
DATA PERIOD EXAMINED: 7/ 6/91 - 9/14/91

***	3RD QTR	1991	***
-----	---------	------	-----

STABILITY CLASS A

START/ITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

STABILITY BASED ON: DELTA T

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF

[illegible]

STABILITY CLASS 8

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

01345 SPEED

[illegible]

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - ELEVATED BATCH RELEASES

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 7/ 6/91 - 9/14/91

*** 3RD QTR 1991 ***

STABILITY CLASS C
STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2

STABILITY CLASS D
STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	
.76- 3.50	1	0	1	2	0	0	0	0	0	0	0	2	0	0	0	0	0
3.51- 7.50	4	0	3	0	1	0	0	0	0	0	1	5	3	0	0	1	18
7.51-12.50	1	0	0	0	0	0	1	0	0	0	1	10	1	0	0	0	14
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	6	0	4	2	1	0	1	0	0	0	2	17	4	0	0	1	38

BEAVER VALLEY JFD - ELEVATED BATCH RELEASES

SITE IDENTIFIER: DLBVZ

DATA PERIOD EXAMINED: 7/ 6/91 - 9/14/91

*** 3rd QTR 1991 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	0	0	2	0	0	0	0	1	1	1	0	0	1	2	0	0
.76- 3.50	0	1	0	2	0	1	0	1	1	0	0	1	1	1	0	0	8
3.51- 7.50	2	0	0	0	0	0	0	1	0	5	1	1	1	1	0	0	9
7.51-12.50	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	12
12.51-18.50	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3
18.51-24.00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2	1	0	4	0	1	0	2	2	6	5	3	2	3	2	0	33

STABILITY CLASS F

STABILITY BASED ON: DELTA T

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	1	2	2	0	0	0	0	0	1	0	3	1	2	0	2	0
.76- 3.50	0	0	0	0	0	0	0	0	0	0	2	3	0	1	0	0	14
3.51- 7.50	0	0	1	1	0	0	0	0	0	0	2	2	0	0	0	0	6
7.51-12.50	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	1	3	3	0	0	0	0	0	1	5	8	1	3	0	2	27

PROGRAM: JFD
VERSION: PC-1.1

BEAVER VALLEY JFD - ELEVATED BATCH RELEASES

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 7/ 6/91 - 9/14/91

Year	360 QTR	1991	***
1990	360 QTR	1991	***

STABILITY CLASS G

STABILITY BASED ON- DELTA T BETWEEN 500.0 AND 35.0 FEET

STABILITY BASED ON: DELTA

WIND	MEASURED	AT -	75 MPH
WIND <td>WINDSPEED</td> <td>AT -</td> <td>75 MPH</td>	WINDSPEED	AT -	75 MPH

WIND FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

2004-2005

[illegible]

STABILITY CLASS ALL

STABILITY BASED ON-DELTA T BETWEEN 500.0 AND 35.0 FEET

STABILITY BASED ON: DELTA
SUM MEASURED AT: 500.0 FEET

WIND	MEASURED	WIND	AT:
WIND	THRESHOLD	WIND	75 MPH

WIND THRESHOLD: 10.00
JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

03303
JUL 1 1971

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
.76- 3.50	1	1	3	7	1	0	0	0	1	2	1	5	1	3	2	2	30
3.51- 7.50	4	1	3	2	1	1	1	1	1	0	3	10	4	2	0	1	35
7.51-12.50	3	0	1	1	0	0	1	1	0	5	4	14	2	1	0	0	33
12.51-18.50	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	4
18.51-24.00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	8	2	7	10	2	1	2	2	2	7	12	30	7	6	2	3	104

BEAVER VALLEY JFD - ELEVATED BATCH RELEASES

SITE IDENTIFIER: DLBY2

DATA PERIOD EXAMINED: 7/ 6/91 - 9/14/91

*** 3RD QTR 1991 ***

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .75 MPH

TOTAL NUMBER OF OBSERVATIONS: 104

TOTAL NUMBER OF VALID OBSERVATIONS: 104

TOTAL NUMBER OF MISSING OBSERVATIONS: 0

PERCENT DATA RECOVERY FOR THIS PERIOD: 100.0 %

MEAN WIND SPEED FOR THIS PERIOD: 6.4 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
.00	.00	1.92	36.54	31.73	25.96	3.85

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
D	6	0	4	2	1	0	1	0	0	0	2	17	4	0	0	1	0
E	2	1	0	4	0	1	0	2	2	6	5	3	2	3	2	0	0
F	0	1	3	3	0	0	0	0	0	1	5	8	1	3	0	2	0
G	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	1
TOTAL	8	2	7	10	2	1	2	2	2	7	12	30	7	6	2	3	1

Beaver Valley
Listings of Meteorological Data
for
Periods of Ground-Level Gaseous Effluent Releases

Third Quarter 1991

PROGRAM: LIST VERSION: PC-1.1

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA 150-, LEVEL BATCH RELEASES FOR THE THIRD QUARTER 1991

-----35 FT-----150 FT-----500 FT-----

YR	MO	DY	HR	35 FT			150 FT			500 FT			AMB. TEMP 35F	DEW POINT 35F	DELTA T 150-35 (F)	DELTA T 500-35 (F)	RAIN FALL (IN)
				WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG) SC	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG) SC	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG) SC					
91	7	7	19	9.8	218.	99.9 -	14.6	217.	99.9 -	25.9	223.	99.9 -	79.1	64.4	.6 E	1.0 E	.00
91	7	7	20	4.6	247.	99.9 -	6.4	262.	99.9 -	11.9	243.	99.9 -	74.4	66.4	-.5 D	-2.3 D	.01
91	7	7	21	2.9	238.	99.9 -	5.1	270.	99.9 -	8.6	247.	99.9 -	74.3	67.0	-.3 E	-1.5 D	.00
91	7	7	22	1.1	88.	99.9 -	1.1	7.	99.9 -	9.7	240.	99.9 -	71.7	66.9	1.9 F	2.1 E	.00
91	7	7	23	1.4	192.	99.9 -	4.9	224.	99.9 -	17.6	221.	99.9 -	73.2	999.9	2.0 F	5.5 F	.00
91	7	12	16	1.8	92.	99.9 -	6.4	133.	99.9 -	7.3	14.	99.9 -	79.5	61.6	-.9 D	-2.7 D	.00
91	7	12	17	1.3	126.	99.9 -	4.1	163.	99.9 -	5.3	58.	99.9 -	77.7	63.2	.4 E	-.9 E	.00
91	7	12	20	1.3	99.	99.9 -	5.0	115.	99.9 -	8.7	130.	99.9 -	75.6	65.9	.3 E	-.1 E	.00
91	7	12	21	1.1	158.	99.9 -	2.4	144.	99.9 -	10.4	136.	99.9 -	73.8	66.6	.8 E	1.9 E	.00
91	7	12	22	1.7	182.	99.9 -	4.7	185.	99.9 -	11.7	196.	99.9 -	72.2	66.3	2.2 F	1.5 E	.00
91	7	12	23	1.1	182.	99.9 -	3.7	181.	99.9 -	9.3	185.	99.9 -	72.1	999.9	.5 E	-.2 E	.00
91	8	19	13	3.6	342.	99.9 -	5.2	315.	99.9 -	7.6	302.	99.9 -	58.8	40.1	-1.1 B	-3.2 D	.00
91	8	19	14	3.7	344.	99.9 -	5.4	346.	99.9 -	7.0	317.	99.9 -	59.6	39.7	-1.4 A	-3.4 D	.00
91	8	19	15	4.6	296.	99.9 -	6.2	294.	99.9 -	7.0	296.	99.9 -	60.6	38.4	-1.2 A	-3.5 D	.00
91	8	19	16	4.5	332.	99.9 -	6.2	331.	99.9 -	10.7	319.	99.9 -	61.0	35.4	-1.0 C	-3.0 F	.00
91	8	19	17	5.1	341.	99.9 -	8.6	4.	99.9 -	11.1	354.	99.9 -	62.5	35.4	-1.4 A	-3.6 D	.00
91	8	19	18	3.3	309.	99.9 -	6.3	309.	99.9 -	9.7	324.	99.9 -	60.5	36.1	-.6 D	-2.4 D	.00
91	8	19	19	3.8	292.	99.9 -	5.2	317.	99.9 -	10.8	334.	99.9 -	59.0	36.2	-.5 D	-2.2 D	.00
91	8	19	20	3.1	315.	99.9 -	6.1	338.	99.9 -	11.8	351.	99.9 -	57.3	37.4	-.3 E	-1.7 D	.00
91	8	19	21	1.0	122.	99.9 -	1.7	307.	99.9 -	3.3	343.	99.9 -	56.1	36.7	.1 E	-1.3 D	.00
91	8	19	22	1.6	320.	99.9 -	4.7	329.	99.9 -	10.7	1.	99.9 -	55.5	37.4	-.1 E	-1.3 D	.00
91	8	19	23	1.4	120.	99.9 -	2.1	163.	99.9 -	4.6	11.	99.9 -	52.1	41.7	1.6 F	.5 E	.00
91	8	19	24	1.8	112.	99.9 -	2.1	238.	99.9 -	2.2	332.	99.9 -	48.6	42.1	2.9 G	3.5 E	.00
91	8	20	1	1.9	146.	99.9 -	5.3	207.	99.9 -	4.7	278.	99.9 -	45.4	41.7	3.6 G	5.4 F	.00
91	8	20	2	1.9	105.	99.9 -	3.0	189.	99.9 -	5.2	292.	99.9 -	44.6	41.2	2.0 F	3.4 E	.00
91	8	20	3	1.0	147.	99.9 -	1.1	42.	99.9 -	2.4	74.	99.9 -	42.3	41.1	2.7 G	3.7 E	.00
91	8	20	4	1.8	150.	99.9 -	3.8	189.	99.9 -	2.4	242.	99.9 -	42.1	41.0	2.8 G	3.6 E	.00
91	8	20	5	1.5	152.	99.9 -	1.0	191.	99.9 -	4.6	274.	99.9 -	42.8	41.5	2.6 G	2.3 E	.00
91	8	22	7	2.4	109.	99.9 -	3.7	79.	99.9 -	4.5	82.	99.9 -	39.2	39.0	1.1 F	2.2 E	.00
91	8	22	8	2.1	94.	99.9 -	4.6	89.	99.9 -	4.6	104.	99.9 -	40.3	40.2	.2 E	1.6 E	.00
91	8	22	14	7.4	212.	99.9 -	10.4	217.	99.9 -	14.2	209.	99.9 -	69.5	47.2	-1.3 A	-3.7 D	.00
91	8	22	15	6.9	230.	99.9 -	8.9	219.	99.9 -	12.0	215.	99.9 -	70.5	47.7	-.9 D	-3.2 D	.00
91	8	22	16	6.2	215.	99.9 -	8.8	210.	99.9 -	11.5	204.	99.9 -	71.1	48.7	-1.0 C	-2.9 D	.00
91	8	22	17	6.2	197.	99.9 -	11.7	194.	99.9 -	16.2	197.	99.9 -	71.1	47.9	-.6 D	-2.5 D	.00
91	8	22	18	5.2	190.	99.9 -	9.4	193.	99.9 -	13.1	195.	99.9 -	71.7	48.4	-.5 D	-2.4 D	.00
91	8	22	19	2.3	171.	99.9 -	6.3	177.	99.9 -	12.3	187.	99.9 -	69.6	49.1	.2 E	-1.0 E	.00

Beaver Valley
Listings of Meteorological Data
for
Periods of Elevated Gaseous Effluent Releases
Third Quarter 1991

PROGRAM: LIST VERSION: PC-1.1

LISTING FOR DRAVER VALLEY HOURLY METEOROLOGICAL DATA 500-FT LEVEL BATCH RELEASES FOR THE THIRD QUARTER 1991

-----35 FT-----150 FT-----500 FT-----																						
YR	MO	DY	HR	WIND	WIND	STD	WIND	WIND	STD	WIND	WIND	STD	AMB.	DEW	DELTA T	DELTA T	RAIN					
				SPEED	DIR	DEV	SPEED	DIR	DEV	SPEED	DIR	DEV	TEMP	POINT								
				(MPH)	(DEG)	(DEG)	SC	(MPH)	(DEG)	(DEG)	SC	(MPH)	(DEG)	(DEG)	SC	(F)	(F)	150-35	500-35	FALL		
																		(F)	SC	(F)	SC	(IN)
91	7	6	21	2.9	322.	99.9	-	5.0	164.	99.9	-	9.4	144.	99.9	-	77.8	68.0	-4.0	D	-1.9	D	.00
91	7	6	22	2.6	46.	99.9	-	3.0	80.	99.9	-	5.5	182.	99.9	-	75.2	67.5	.0	E	-8.8	E	.00
91	7	6	23	1.2	95.	99.9	-	2.7	48.	99.9	-	3.5	174.	99.9	-	72.1	999.9	2.2	F	1.9	E	.00
91	7	6	24	1.7	139.	99.9	-	4.8	202.	99.9	-	10.4	210.	99.9	-	72.9	68.1	.8	E	2.4	E	.00
91	7	7	1	1.4	6.	99.9	-	2.8	340.	99.9	-	9.3	207.	99.9	-	71.8	68.8	1.1	F	3.3	E	.00
91	7	7	2	1.5	212.	99.9	-	2.5	278.	99.9	-	11.2	210.	99.9	-	71.9	69.1	1.2	F	3.2	E	.00
91	7	7	3	1.4	215.	99.9	-	3.0	290.	99.9	-	15.1	229.	99.9	-	72.6	69.5	1.0	F	3.5	E	.00
91	7	7	4	5.5	246.	99.9	-	6.2	235.	99.9	-	21.4	229.	99.9	-	76.8	67.8	.0	E	-4.8	E	.00
91	7	15	17	4.8	355.	99.9	-	6.5	9.	99.9	-	6.1	4.	99.9	-	81.0	50.6	-1.4	A	-3.6	D	.00
91	7	15	18	3.3	334.	99.9	-	4.8	335.	99.9	-	6.4	343.	99.9	-	80.9	50.1	-1.1	B	-3.4	D	.00
91	7	15	19	3.2	341.	99.9	-	6.2	356.	99.9	-	7.3	350.	99.9	-	80.0	51.0	-7.0	D	-2.6	D	.00
91	7	15	20	1.2	62.	99.9	-	3.4	339.	99.9	-	8.9	359.	99.9	-	78.0	53.3	-4.0	D	-8.8	E	.00
91	7	15	21	1.4	139.	99.9	-	.8	332.	99.9	-	3.4	32.	99.9	-	68.6	57.6	3.6	G	7.0	F	.00
91	7	15	22	1.3	135.	99.9	-	1.4	357.	99.9	-	1.4	282.	99.9	-	64.1	56.3	3.8	G	9.5	F	.00
91	7	15	23	1.1	136.	99.9	-	1.4	352.	99.9	-	.9	66.	99.9	-	61.0	999.9	3.9	G	10.4	G	.00
91	7	15	24	.8	153.	99.9	-	1.4	326.	99.9	-	2.9	271.	99.9	-	59.2	55.7	4.2	G	8.5	F	.00
91	7	16	1	1.3	137.	99.9	-	3.4	197.	99.9	-	3.5	338.	99.9	-	58.4	55.5	4.0	G	6.6	F	.00
91	7	16	2	1.7	132.	99.9	-	4.5	202.	99.9	-	1.8	343.	99.9	-	57.6	55.7	3.1	G	6.7	F	.00
91	7	16	3	1.0	120.	99.9	-	1.4	17.	99.9	-	2.4	71.	99.9	-	56.3	55.1	2.9	G	7.3	F	.00
91	7	16	4	.8	143.	99.9	-	1.2	24.	99.9	-	.9	43.	99.9	-	55.3	54.6	3.3	G	7.0	F	.00
91	7	16	5	.9	134.	99.9	-	2.3	21.	99.9	-	1.8	63.	99.9	-	54.8	54.1	3.1	G	6.7	F	.00
91	7	16	6	1.1	144.	99.9	-	.7	80.	99.9	-	2.3	286.	99.9	-	55.5	54.9	2.1	F	3.1	E	.00
91	7	16	7	1.4	166.	99.9	-	1.3	121.	99.9	-	1.2	324.	99.9	-	57.5	57.1	-2.2	E	.9	E	.00
91	7	16	8	1.3	113.	99.9	-	1.2	69.	99.9	-	4.8	63.	99.9	-	58.8	58.4	-4.0	D	3.8	E	.00
91	7	16	9	1.9	14.	99.9	-	3.1	37.	99.9	-	2.8	59.	99.9	-	65.0	58.9	-6.0	D	.0	E	.00
91	7	16	10	2.3	343.	99.9	-	2.7	351.	99.9	-	2.1	34.	99.9	-	72.0	58.1	-1.0	C	-2.1	D	.00
91	7	16	11	2.6	301.	99.9	-	2.0	334.	99.9	-	2.7	71.	99.9	-	76.7	999.9	-7.0	D	-1.5	D	.00
91	7	16	12	4.1	255.	99.9	-	4.8	256.	99.9	-	3.2	256.	99.9	-	80.0	54.7	-1.0	C	-3.1	D	.00
91	7	16	13	4.7	253.	99.9	-	5.4	258.	99.9	-	5.2	241.	99.9	-	82.1	50.1	-1.2	A	-3.4	D	.00
91	7	16	14	4.7	278.	99.9	-	6.6	272.	99.9	-	5.5	286.	99.9	-	83.4	50.8	-1.6	A	-3.5	D	.00
91	7	16	15	4.1	264.	99.9	-	5.2	266.	99.9	-	5.6	253.	99.9	-	84.2	49.0	-1.5	A	-3.4	D	.00
91	7	16	16	3.5	276.	99.9	-	4.3	274.	99.9	-	4.4	264.	99.9	-	85.3	47.3	-1.0	C	-3.2	D	.00
91	7	16	17	3.8	260.	99.9	-	4.3	263.	99.9	-	4.1	230.	99.9	-	86.1	49.6	-1.2	A	-3.0	D	.00
91	7	16	18	3.4	279.	99.9	-	3.8	277.	99.9	-	3.7	261.	99.9	-	85.9	50.7	-9.0	D	-2.9	D	.00
91	7	16	19	2.0	260.	99.9	-	2.2	260.	99.9	-	3.3	252.	99.9	-	85.4	54.2	-7.0	D	-2.6	D	.00
91	7	16	20	.8	136.	99.9	-	1.3	154.	99.9	-	2.3	316.	99.9	-	79.6	63.4	1.5	F	2.6	E	.00
91	7	16	21	1.5	133.	99.9	-	1.7	158.	99.9	-	1.4	258.	99.9	-	71.9	61.8	3.9	G	8.6	F	.00
91	7	16	22	1.1	139.	99.9	-	1.0	144.	99.9	-	4.1	300.	99.9	-	67.5	60.4	4.5	G	8.0	F	.00
91	7	16	23	1.2	120.	99.9	-	1.9	12.	99.9	-	3.1	84.	99.9	-	65.1	999.9	2.8	G	11.6	G	.00
91	7	16	24	1.2	164.	99.9	-	1.7	3.	99.9	-	4.2	124.	99.9	-	63.1	60.6	3.1	G	11.4	G	.00
91	7	17	1	1.1	116.	99.9	-	1.9	158.	99.9	-	1.6	302.	99.9	-	62.2	59.3	3.1	G	7.5	F	.00
91	7	17	2	1.8	148.	99.9	-	.9	140.	99.9	-	1.8	209.	99.9	-	61.2	59.4	2.4	F	6.1	F	.00
91	7	17	3	1.0	129.	99.9	-	1.8	89.	99.9	-	1.2	239.	99.9	-	59.9	58.9	3.0	G	9.8	F	.00
91	7	17	4	1.0	136.	99.9	-	3.0	23.	99.9	-	.7	258.	99.9	-	59.0	58.0	2.8	G	10.8	G	.00
91	7	17	5	1.1	145.	99.9	-	1.4	29.	99.9	-	3.6	233.	99.9	-	58.6	57.8	2.9	G	7.7	F	.00
91	7	17	6	1.5	141.	99.9	-	2.5	16.	99.9	-	3.1	250.	99.9	-	58.6	57.8	2.5	F	5.2	F	.00
91	7	17	13	5.9	248.	99.9	-	9.6	264.	99.9	-	12.4	257.	99.9	-	85.0	58.8	-1.5	A	-3.6	D	.00
91	7	17	14	6.4	248.	99.9	-	8.8	255.	99.9	-	10.5	249.	99.9	-	85.8	58.1	-1.3	A	-3.5	D	.00

PROGRAM: LIST VERSION: PC-1.1

LISTING FOR BRAVER VALLEY HOURLY METEOROLOGICAL DATA 500-FT LEVEL BATCH RELEASES FOR THE THIRD QUARTER 1991

-----35 FT-----150 FT-----500 FT-----

YR	MO	DY	HR	35 FT			150 FT			500 FT			AMB. TEMP	DEW POINT	DELTA T 150-35	DELTA T 500-35	RAIN
				WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG) SC	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG) SC	WIND SPEED (MPH)	WIND DIR (DEG)	STD DEV (DEG) SC					
91	9	13	21	1.4	206.	99.9 -	2.0	208.	99.9 -	3.2	201.	99.9 -	71.8	69.6	.8 E	.0 E	.00
91	9	13	22	1.4	181.	99.9 -	6.3	180.	99.9 -	10.2	192.	99.9 -	70.0	68.2	1.2 F	.9 E	.00
91	9	13	23	1.1	124.	99.9 -	2.6	157.	99.9 -	1.4	233.	99.9 -	68.1	67.1	2.5 F	1.5 E	.00
91	9	13	24	2.3	143.	99.9 -	2.7	161.	99.9 -	7.0	252.	99.9 -	68.2	66.7	1.5 F	1.2 E	.00
91	9	14	1	1.0	182.	99.9 -	2.7	226.	99.9 -	6.5	271.	99.9 -	68.4	67.1	1.7 F	1.3 E	.00
91	9	14	2	1.1	189.	99.9 -	1.9	222.	99.9 -	7.7	268.	99.9 -	68.1	67.0	1.1 F	1.1 E	.00
91	9	14	3	.8	146.	99.9 -	2.3	213.	99.9 -	7.4	283.	99.9 -	67.8	66.7	.9 E	1.1 E	.00
91	9	14	4	1.3	174.	99.9 -	3.8	261.	99.9 -	9.4	279.	99.9 -	68.1	67.2	.3 E	.7 E	.00

TABLE 1
BFAVER VALLEY METEOROLOGICAL DATA RECOVERY
FOURTH QUARTER 1991

		<u>CONTINUOUS RELEASE</u>	<u>BATCH RELEASE</u>	<u>COMMENTS</u>
Joint Delta-T	150 ft - 35 ft	99.7%	100.00%	There were five hours of data loss due to moisture ingestion into the aspirators and power outages.
Joint Delta-T	500 ft - 35 ft	99.9%	100.0%	There were two hours of data loss due to power outages.

BEAVER VALLEY
JOINT FREQUENCY DISTRIBUTION TABLES
FOR
CONTINUOUS RELEASES

DELTA-T (150 FT - 35 FT) AND 35-FT WIND
AND
DELTA-T (500 FT - 35 FT) AND 500-FT WIND

FOURTH QUARTER 1991

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - GROUND LEVEL CONTINUOUS RELEASE

SITE IDENTIFIER: DLBW2

DATA PERIOD EXAMINED: 10/ 1/91 - 12/31/91

*** 4TH QTR 1991 ***

STABILITY CLASS A

BETWEEN 150.0 AND 35.0 FEET

STABILITY BASED ON: DELTA T

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED

(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	
.76- 3.50	0	1	3	3	2	0	1	1	0	1	0	3	0	2	1	2	0
3.51- 7.50	0	0	3	7	3	4	1	0	6	4	3	7	5	2	3	1	20
7.51-12.50	0	0	0	0	0	0	0	0	0	3	1	1	3	0	0	0	8
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	1	6	10	5	4	2	1	6	8	4	11	8	4	4	3	77

STABILITY CLASS B

BETWEEN 150.0 AND 35.0 FEET

STABILITY BASED ON: DELTA T

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED

(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	
.76- 3.50	0	0	0	0	1	0	1	0	1	1	0	0	1	1	1	1	0
3.51- 7.50	2	1	1	0	0	0	0	0	1	3	5	7	2	4	2	1	8
7.51-12.50	0	0	0	0	0	0	0	0	0	2	3	2	1	0	0	0	29
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2	1	1	0	1	0	1	0	2	6	8	9	4	5	3	2	45

HALLIBURTON NUS CORPORATION AEP/RADIOLOGICAL PROGRAMS DEPARTMENT

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - GROUND LEVEL CONTINUOUS RELEASE

SITE IDENTIFIER: DLBVZ

DATA PERIOD EXAMINED: 10/ 1/91 - 12/31/91

*** 4TH QTR 1991 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	WW	TOTAL
CALM																0
.76- 3.50	3	1	1	0	1	0	1	0	0	0	0	0	1	1	0	3
3.51- 7.50	2	0	0	0	1	0	0	1	1	4	5	8	2	1	4	12
7.51-12.50	0	0	0	0	0	0	0	0	0	2	2	6	1	0	0	11
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	5	1	1	0	2	1	1	1	1	6	7	14	7	2	4	56

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	WW	TOTAL
CALM																5
.76- 3.50	15	26	22	12	7	6	5	5	7	12	12	19	15	26	27	15
3.51- 7.50	21	9	6	10	0	2	0	7	7	23	47	77	56	36	38	27
7.51-12.50	1	0	0	0	0	0	0	0	3	5	39	109	41	5	3	207
12.51-18.50	0	0	0	0	0	0	0	0	0	0	1	8	4	0	0	13
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	37	35	28	22	7	8	5	12	17	40	99	214	116	67	68	823

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - GROUND LEVEL CONTINUOUS RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 10/ 1/91 - 12/31/91

*** 4TH QTR 1991 ***

STABILITY CLASS E

BETWEEN 150.0 AND 35.0 FEET

STABILITY BASED ON: DELTA T

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NNW	TOTAL
CALN	18	29	22	21	23	21	22	27	41	41	22	23	18	17	13	7
.76- 3.50	0	0	0	0	0	0	0	1	11	55	50	40	13	5	8	375
3.51- 7.50	0	0	0	0	0	0	0	0	0	7	23	13	5	0	0	201
7.51-12.50	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	48
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	25	29	22	24	23	21	22	28	52	103	96	77	36	22	21	633

STABILITY CLASS F

BETWEEN 150.0 AND 35.0 FEET

STABILITY BASED ON: DELTA T

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NNW	TOTAL
CALN	2	7	9	20	38	31	40	32	22	9	3	4	1	2	4	12
.76- 3.50	0	1	0	0	0	0	0	0	3	3	0	0	0	1	0	224
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	8
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2	8	9	20	38	31	40	32	25	12	4	5	1	3	4	246

AIR/RADIOLOGICAL PROGRAMS DEPARTMENT

HALLIBURTON NUS CORPORATION

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - GROUND LEVEL CONTINUOUS RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 10/ 1/91 - 12/31/91

*** 4TH QTR 1991 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	2	2	14	15	41	72	99	30	17	4	1	4	2	0	0	1	17
.76- 3.50	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	304
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2	2	14	15	41	72	99	30	18	4	1	4	2	0	0	1	322

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	40	66	71	71	113	130	169	95	88	68	38	53	38	49	46	39	41
.76- 3.50	32	11	16	20	4	7	1	9	30	92	110	139	81	49	55	37	1174
3.51- 7.50	1	0	0	0	0	0	0	0	3	19	69	131	51	5	3	1	687
7.51-12.50	0	0	0	0	0	0	0	0	0	0	2	10	4	0	0	0	16
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	73	77	81	91	117	137	170	104	121	179	219	334	174	103	104	77	2202

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - GROUND LEVEL CONTINUOUS RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 10/ 1/91 - 12/31/91

*** 4TH QTR 1991 ***

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

TOTAL NUMBER OF OBSERVATIONS: 2208

TOTAL NUMBER OF VALID OBSERVATIONS: 2202

TOTAL NUMBER OF MISSING OBSERVATIONS: 6

PERCENT DATA RECOVERY FOR THIS PERIOD: 99.7 %

MEAN WIND SPEED FOR THIS PERIOD: 4.0 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
3.50	2.04	2.54	37.38	28.75	11.17	14.62

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	0	1	6	10	5	4	2	1	6	8	4	11	8	4	4	3	0
B	2	1	1	0	1	0	1	0	2	6	8	9	4	5	3	2	0
C	5	1	1	0	2	1	1	1	1	6	7	14	7	2	4	3	0
D	37	35	28	22	7	8	5	12	17	40	99	214	116	67	68	43	5
E	25	29	22	24	23	21	22	28	52	103	96	77	36	22	25	21	7
F	2	8	9	20	38	31	40	32	25	12	4	5	1	3	0	4	12
G	2	2	14	15	41	72	99	30	18	4	1	4	2	0	0	1	17
TOTAL	73	77	81	91	117	137	170	104	121	179	219	334	174	103	104	77	41

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - ELEVATED CONTINUOUS RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 10/ 1/91 - 12/31/91

*** 4TH QTR 1991 ***

STABILITY CLASS C
STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	1	1	2	1	1	0	0	0	0	0	0	0	0	6
12.51-18.50	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	4	1	2	1	1	0	0	0	0	0	0	0	0	9

STABILITY CLASS D
STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	3	5	4	1	2	1	3	2	7	6	6	3	2	2	6	53
.76- 3.50	19	11	14	9	16	8	5	10	8	11	20	20	13	12	23	24	223
3.51- 7.50	30	13	10	4	5	4	2	4	21	35	60	45	56	33	48	56	426
7.51-12.50	3	4	1	9	3	3	4	3	16	56	78	94	81	33	8	4	400
12.51-18.50	0	0	1	0	0	0	0	0	5	10	18	33	56	4	1	0	128
18.51-24.00	0	0	0	0	0	0	0	0	0	2	1	6	19	6	0	0	34
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	52	31	31	26	25	17	12	20	52	121	183	204	228	90	82	90	1265

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - ELEVATED CONTINUOUS RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 10/ 1/91 - 12/31/91

*** 4TH QTR 1991 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	3
.76- 3.50	7	4	4	8	5	5	4	2	6	4	12	5	5	7	1	7	86
3.51- 7.50	8	2	5	5	13	9	13	17	13	9	14	12	14	9	7	6	156
7.51-12.50	6	1	3	0	15	1	13	14	7	16	29	13	28	6	4	12	168
12.51-18.50	0	0	0	2	3	0	2	7	28	20	32	6	3	4	0	0	107
18.51-24.00	0	0	0	0	0	0	0	1	6	10	8	2	2	0	0	0	29
>24.00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
TOTAL	21	7	12	15	36	15	32	41	60	59	95	39	52	26	12	25	550

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.76- 3.50	2	4	3	4	4	4	2	6	4	6	2	1	2	1	3	2	50
3.51- 7.50	3	4	3	8	14	7	6	7	13	15	13	11	10	1	3	2	121
7.51-12.50	0	0	2	12	14	4	1	7	27	21	23	5	6	1	1	0	124
12.51-18.50	0	0	0	0	4	0	0	5	5	17	11	0	0	0	0	0	42
18.51-24.00	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	3
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	5	8	8	24	36	15	9	25	50	59	51	18	18	3	7	4	340

AIR/RADIOLOGICAL PROGRAMS DEPARTMENT

HALLIBURTON NUS CORPORATION

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - ELEVATED CONTINUOUS RELEASE

SITE IDENTIFIER: DLBVZ

DATA PERIOD EXAMINED: 10/ 1/91 - 12/31/91

*** 4TH QTR 1991 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	0	0	0	0	0	1	0	3	0	1	1	0	0	0	0	0
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	3	0	1	0	3	0	0	5	4	2	1	0	0	0	0	0	6
7.51-12.50	0	0	0	0	0	0	0	1	8	1	1	0	0	0	0	0	11
12.51-18.50	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	3	0	1	0	3	0	1	6	18	3	3	1	0	0	0	0	39

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	9	11	12	16	10	11	8	11	15	17	21	13	11	10	6	15	196
.76- 3.50	33	17	23	22	46	24	24	39	38	37	48	44	37	22	33	32	519
3.51- 7.50	36	14	15	17	35	12	17	27	63	73	113	63	90	40	53	68	736
7.51-12.50	3	4	1	14	10	3	6	15	52	93	121	100	84	37	8	4	555
12.51-18.50	0	0	1	0	0	0	0	1	12	20	28	35	58	4	1	0	160
18.51-24.00	0	0	0	0	0	0	0	0	0	2	1	7	19	6	0	0	35
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	81	46	52	69	101	50	55	93	180	242	332	262	299	119	101	119	2205

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - ELEVATED CONTINUOUS RELEASE

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 10/ 1/91 - 12/31/91

*** 4TH QTR 1991 ***

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .75 MPH

TOTAL NUMBER OF OBSERVATIONS: 2208

TOTAL NUMBER OF VALID OBSERVATIONS: 2205

TOTAL NUMBER OF MISSING OBSERVATIONS: 3

PERCENT DATA RECOVERY FOR THIS PERIOD: 99.9 %

MEAN WIND SPEED FOR THIS PERIOD: 10.7 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
.00	.09	.41	57.37	24.94	15.42	1.77

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
C	0	0	0	4	1	2	1	1	0	0	0	0	0	0	0	0	0
D	52	31	31	26	25	17	12	20	52	121	183	204	228	90	82	90	1
E	21	7	12	15	36	15	32	41	60	59	95	39	52	26	12	25	3
F	5	8	8	24	36	15	9	25	50	59	51	18	18	3	7	4	0
G	3	0	1	0	3	0	1	6	18	3	3	1	0	0	0	0	0
TOTAL	81	46	52	69	101	50	55	93	180	242	332	262	299	119	101	119	4

BEAVER VALLEY
JOINT FREQUENCY DISTRIBUTION TABLES
FOR
BATCH RELEASES

DELTA-T (150 FT - 35 FT) AND 35-FT WIND
AND
DELTA-T (500 FT - 35 FT) AND 500-FT WIND

FOURTH QUARTER 1991

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - GROUND LEVEL BATCH RELEASES

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 10/23/91 - 11/24/91

*** 4TH QTR 1991 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
.76- 3.50	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	4
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	1	0	0	0	0	0	0	0	0	0	4	1	2	0	0	9

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - GROUND LEVEL BATCH RELEASES

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 10/23/91 - 11/24/91

*** 4TH QTR 1991 ***

STABILITY CLASS E
 STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET
 WIND MEASURED AT: 35.0 FEET
 WIND THRESHOLD AT: .75 MPH
 JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.76- 3.50	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
3.51- 7.50	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	4

STABILITY CLASS F
 STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET
 WIND MEASURED AT: 35.0 FEET
 WIND THRESHOLD AT: .75 MPH
 JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
.76- 3.50	0	0	1	4	2	2	0	0	1	0	0	0	0	0	0	0	10
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	1	4	2	2	0	0	1	0	0	0	0	0	0	0	11

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - GROUND LEVEL BATCH RELEASES

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 10/23/91 - 11/24/91

*** 4TH QTR 1991 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	1
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	4

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 35.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	1	1	3	5	3	2	0	1	1	0	0	0	0	2	0	0	2
.76- 3.50	1	1	0	0	0	0	0	0	2	1	0	0	0	0	0	0	19
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	5
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	4
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2	2	3	5	3	2	0	1	3	1	0	4	1	2	0	0	31

AIR/RADIOLOGICAL PROGRAMS DEPARTMENT

HALLIBURTON OUS CORPORATION

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - GROUND LEVEL BATCH RELEASES

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 10/23/91 - 11/24/91

*** 4TH QTR 1991 ***

STABILITY BASED ON: DELTA T BETWEEN 150.0 AND 35.0 FEET

WIND MEASURED AT: 35.0 FEET

WIND THRESHOLD AT: .75 MPH

TOTAL NUMBER OF OBSERVATIONS: 31

TOTAL NUMBER OF VALID OBSERVATIONS: 31

TOTAL NUMBER OF MISSING OBSERVATIONS: 0

PERCENT DATA RECOVERY FOR THIS PERIOD: 100.0 %

MEAN WIND SPEED FOR THIS PERIOD: 3.7 MPH

TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES						
A	B	C	D	E	F	G
6.45	.00	3.23	29.03	12.90	35.48	12.90

DISTRIBUTION OF WIND DIRECTION VS STABILITY												
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW
A	0	0	1	0	0	0	0	0	1	0	0	0
B	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0
D	1	1	0	0	0	0	0	0	0	0	0	0
E	1	1	1	0	0	0	0	0	1	0	0	0
F	0	0	1	4	2	0	0	0	1	0	0	0
G	0	0	0	1	1	0	0	1	0	0	0	0
TOTAL	2	2	3	5	3	2	0	1	3	1	4	2

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - ELEVATED BATCH RELEASES

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 10/24/91 - 12/ 3/91

*** 4TH QTR 1991 ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
.76- 3.50	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	2	6
3.51- 7.50	5	1	1	1	2	1	0	0	0	1	0	0	0	2	2	4	20
7.51-12.50	1	0	4	1	3	3	0	0	3	7	2	0	0	1	5	2	32
12.51-18.50	0	0	0	6	3	2	1	0	1	3	5	0	2	1	1	0	25
18.51-24.00	0	0	1	0	0	0	0	0	0	3	4	2	2	0	0	0	12
>24.00	0	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	4
TOTAL	6	1	6	8	8	6	1	0	4	16	12	6	4	4	9	7	100

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - ELEVATED BATCH RELEASES

SITE IDENTIFIER: DLBV2

DATA PERIOD EXAMINED: 10/24/91 - 12/ 3/91

*** 4TH QTR 1991 ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
7.51-12.50	0	0	0	0	5	1	2	0	3	0	2	1	0	0	0	0	14
12.51-18.50	0	0	0	0	1	0	0	1	4	1	3	0	0	0	0	0	10
18.51-24.00	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	3
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	6	1	2	3	7	3	6	1	0	0	0	0	29

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	3	1	1	0	1	0	0	0	0	0	0	0	6
7.51-12.50	0	0	0	1	12	2	0	1	8	2	1	0	0	0	0	0	27
12.51-18.50	0	0	0	0	2	0	0	1	3	1	0	0	0	0	0	0	7
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	17	3	1	2	12	3	1	0	0	0	0	0	40

PROGRAM: JFD VERSION: PC-1.1

BEAVER VALLEY JFD - ELEVATED BATCH RELEASES

SITE IDENTIFIER: DLBVZ

DATA PERIOD EXAMINED: 10/24/91 - 12/ 3/91

*** 4TH QTR 1991 ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.76- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 500.0 AND 35.0 FEET

WIND MEASURED AT: 500.0 FEET

WIND THRESHOLD AT: .75 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 500.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	2	6
.76- 3.50	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	4	28
3.51- 7.50	5	1	1	1	5	2	1	2	1	1	0	0	0	0	1	5	75
7.51-12.50	1	0	4	2	20	8	2	1	14	9	5	1	0	1	5	2	44
12.51-18.50	0	0	0	6	6	2	1	2	10	5	8	0	2	2	1	0	15
18.51-24.00	0	0	1	0	0	0	0	0	0	5	5	2	2	0	0	0	4
>24.00	0	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	4
TOTAL	6	1	6	9	31	12	4	5	25	22	19	7	4	4	9	8	173

BEAVER VALLEY
LISTINGS OF METEOROLOGICAL DATA
FOR
PERIODS OF GROUND-LEVEL GASEOUS EFFLUENT RELEASES
FOURTH QUARTER 1991

PROGRAM: LIST VERSION: PC-1.1

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA 150-FT LEVEL BATCH RELEASES FOR THE FOURTH QUARTER 1991

				-----35 FT-----				-----150 FT-----				-----500 FT-----								
YR	MO	DY	HR	WIND	WIND	STD		WIND	WIND	STD		WIND	WIND	STD		AMB.	DR:	DELTA T	DELTA T	RAIN
				SPEED	DIR	DEV	SC	SPEED	DIR	DEV	SC	SPEED	DIR	DEV	SC	TEMP	POINT			
				(MPH)	(DEG)	(DEG)		(MPH)	(DEG)	(DEG)		(MPH)	(DEG)	(DEG)		35F	35F	150-35	500-35	FALL
				(MPH)	(DEG)	(DEG)	SC	(MPH)	(DEG)	(DEG)	SC	(MPH)	(DEG)	(DEG)	SC	(F)	(F)	(F)	SC	(IN)
91	10	23	15	5.3	179.	99.9	-	9.8	181.	99.9	-	13.0	195.	99.9	-	78.3	49.3	-1.3 A	-3.5 D	.00
91	10	23	16	8.7	192.	99.9	-	11.7	189.	99.9	-	14.9	191.	99.9	-	78.4	49.1	-1.0 C	-3.0 D	.00
91	10	23	17	5.2	188.	99.9	-	10.2	184.	99.9	-	15.5	195.	99.9	-	77.4	48.5	-.2 E	-2.0 D	.00
91	10	23	18	1.9	172.	99.9	-	3.8	217.	99.9	-	8.2	213.	99.9	-	74.3	48.9	1.2 F	.2 E	.00
91	10	23	19	.9	157.	99.9	-	4.2	194.	99.9	-	7.1	230.	99.9	-	65.7	51.6	6.6 G	7.1 F	.00
91	10	23	20	1.0	89.	99.9	-	3.6	189.	99.9	-	6.9	205.	99.9	-	62.4	51.1	4.2 G	9.4 F	.00
91	10	23	21	.8	61.	99.9	-	2.2	67.	99.9	-	4.1	181.	99.9	-	61.1	51.9	2.9 G	8.4 F	.00
91	10	23	22	.8	111.	99.9	-	2.6	43.	99.9	-	5.1	171.	99.9	-	60.8	52.0	2.3 F	8.3 F	.00
91	10	23	23	.7	119.	99.9	-	2.3	61.	99.9	-	2.0	204.	99.9	-	59.8	52.5	2.7 G	6.7 F	.00
91	10	23	24	.7	114.	99.9	-	2.9	34.	99.9	-	8.9	178.	99.9	-	59.3	52.5	2.0 F	6.9 F	.00
91	10	24	1	1.1	83.	99.9	-	3.9	21.	99.9	-	6.3	172.	99.9	-	58.0	52.5	2.4 F	6.4 F	.00
91	10	24	2	1.2	77.	99.9	-	2.6	55.	99.9	-	4.5	200.	99.9	-	56.6	52.3	2.5 F	7.1 F	.00
91	10	24	3	.9	115.	99.9	-	1.8	32.	99.9	-	8.4	205.	99.9	-	56.1	51.5	1.9 F	6.6 F	.00
91	10	24	4	1.7	87.	99.9	-	2.5	40.	99.9	-	6.8	183.	99.9	-	55.6	53.7	1.9 F	4.4 F	.01
91	10	24	5	1.7	78.	99.9	-	4.4	57.	99.9	-	8.3	179.	99.9	-	55.9	55.1	1.4 F	3.7 E	.00
91	10	24	6	1.5	40.	99.9	-	4.6	45.	99.9	-	7.0	163.	99.9	-	56.3	55.5	1.3 F	2.0 E	.03
91	10	31	10	3.6	22.	99.9	-	4.8	48.	99.9	-	6.4	34.	99.9	-	52.1	29.9	-.6 D	-2.7 D	.00
91	10	31	11	3.2	42.	99.9	-	6.2	59.	99.9	-	8.4	72.	99.9	-	54.2	27.6	-1.3 A	-3.3 D	.00
91	10	31	12	3.0	358.	99.9	-	3.6	27.	99.9	-	3.9	49.	99.9	-	55.8	27.2	-.9 D	-2.8 D	.00
91	10	31	13	2.6	300.	99.9	-	2.3	311.	99.9	-	2.3	21.	99.9	-	58.6	27.5	-.9 D	-2.6 D	.00
91	10	31	14	3.2	294.	99.9	-	2.9	278.	99.9	-	2.6	229.	99.9	-	60.3	28.1	-.5 D	-2.2 D	.00
91	11	18	7	1.6	72.	99.9	-	4.7	57.	99.9	-	5.8	102.	99.9	-	31.8	26.0	1.8 F	4.0 F	.00
91	11	18	8	2.7	71.	99.9	-	5.4	41.	99.9	-	10.1	128.	99.9	-	34.6	23.3	1.6 F	2.6 E	.00
91	11	18	9	2.2	48.	99.9	-	5.9	47.	99.9	-	9.0	129.	99.9	-	38.7	25.6	-.1 E	.1 E	.00
91	11	18	10	3.5	15.	99.9	-	5.6	48.	99.9	-	7.4	135.	99.9	-	41.8	26.1	.4 E	1.3 E	.00
91	11	18	11	4.7	8.	99.9	-	4.9	37.	99.9	-	6.4	150.	99.9	-	46.6	25.7	.0 E	.9 E	.00
91	11	24	20	8.5	277.	99.9	-	15.2	280.	99.9	-	20.7	289.	99.9	-	30.0	23.0	-.6 D	-2.7 D	.00
91	11	24	21	13.2	243.	99.9	-	18.1	256.	99.9	-	24.5	252.	99.9	-	29.5	18.9	-.5 D	-2.5 D	.00
91	11	24	22	10.0	246.	99.9	-	13.5	258.	99.9	-	17.2	253.	99.9	-	28.6	20.2	-.5 D	-2.5 D	.00
91	11	24	23	8.4	256.	99.9	-	12.4	268.	99.9	-	15.3	262.	99.9	-	28.0	21.0	-.5 D	-2.5 D	.00
91	11	24	24	10.8	255.	99.9	-	16.7	263.	99.9	-	20.5	256.	99.9	-	27.3	18.3	-.6 D	-2.6 D	.00

BEAVER VALLEY
LISTINGS OF METEOROLOGICAL DATA
FOR
PERIODS OF ELEVATED GASEOUS EFFLUENT RELEASES
FOURTH QUARTER 1991

PROGRAM: LIST VERSION: PC-1.1

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA 500-FT LEVEL BATCH RELEASES FOR THE FOURTH QUARTER 1991

-----35 FT-----150 FT-----500 FT-----

YR	MO	DY	HR	WIND	WIND	STD	WIND	WIND	STD	WIND	WIND	STD	AMB.	DEW	DELTA T	DELTA T	RAIN					
				SPEED	DIR	DEV	SC	SPEED	DIR	DEV	SC	SPEED	DIR	DEV		TEMP		POINT	150-35	500-35	FALL	
				(MPH)	(DEG)	(DEG)		(MPH)	(DEG)	(DEG)	SC	(MPH)	(DEG)	(DEG)	SC	(F)	(F)	(F)	SC	(F)	SC	(IN)
91	10	24	10	2.4	20.	99.9	-	4.7	51.	99.9	-	7.8	138.	99.9	-	60.5	56.4	.0 E	-.2 E	.00		
91	10	24	11	2.2	17.	99.9	-	2.3	63.	99.9	-	5.7	162.	99.9	-	65.3	57.3	.0 E	-1.2 E	.00		
91	10	24	12	4.9	208.	99.9	-	7.7	185.	99.9	-	10.1	194.	99.9	-	72.2	57.9	-.7 D	-2.5 D	.00		
91	10	24	13	6.6	199.	99.9	-	10.5	195.	99.9	-	12.8	196.	99.9	-	74.4	57.3	-.8 D	-2.8 D	.00		
91	10	24	14	6.7	202.	99.9	-	10.1	198.	99.9	-	14.0	201.	99.9	-	76.5	57.0	-1.0 C	-3.1 D	.00		
91	10	24	15	6.2	204.	99.9	-	8.5	199.	99.9	-	11.5	205.	99.9	-	78.0	56.4	-.7 D	-2.8 D	.00		
91	10	24	16	3.3	222.	99.9	-	5.0	190.	99.9	-	7.6	189.	99.9	-	78.0	56.6	-.4 D	-2.2 D	.00		
91	10	24	17	5.3	198.	99.9	-	9.2	182.	99.9	-	12.4	183.	99.9	-	78.8	55.9	-.5 D	-2.5 D	.00		
91	10	24	18	1.7	140.	99.9	-	6.1	163.	99.9	-	11.1	179.	99.9	-	76.0	56.1	.5 E	-.7 E	.00		
91	10	24	19	1.1	121.	99.9	-	4.6	137.	99.9	-	10.2	165.	99.9	-	70.0	58.0	4.8 G	4.0 F	.00		
91	10	24	20	.7	77.	99.9	-	3.3	151.	99.9	-	14.3	173.	99.9	-	67.3	58.1	5.9 G	6.4 F	.00		
91	10	29	2	2.7	112.	99.9	-	8.1	63.	99.9	-	10.0	83.	99.9	-	42.5	31.1	3.7 G	3.2 E	.00		
91	10	29	3	2.3	112.	99.9	-	9.5	71.	99.9	-	15.9	85.	99.9	-	42.0	32.0	3.0 G	2.4 E	.00		
91	10	29	4	1.9	52.	99.9	-	4.6	65.	99.9	-	9.8	93.	99.9	-	42.6	31.9	1.5 F	.3 E	.00		
91	10	29	5	2.5	119.	99.9	-	6.2	72.	99.9	-	10.5	86.	99.9	-	39.8	31.8	3.5 G	2.5 E	.00		
91	10	29	6	1.9	95.	99.9	-	6.2	83.	99.9	-	10.1	89.	99.9	-	37.5	31.6	5.1 G	3.9 F	.00		
91	10	29	7	2.2	118.	99.9	-	5.5	85.	99.9	-	6.0	81.	99.9	-	38.4	31.4	5.2 G	3.9 F	.00		
91	10	29	8	1.7	90.	99.9	-	5.8	62.	99.9	-	8.7	85.	99.9	-	40.2	32.8	2.0 F	.5 E	.00		
91	10	29	9	4.3	87.	99.9	-	6.2	84.	99.9	-	11.3	97.	99.9	-	47.0	32.0	-.8 D	-2.8 D	.00		
91	10	29	10	4.7	68.	99.9	-	8.7	80.	99.9	-	8.6	101.	99.9	-	52.6	30.8	-1.5 A	-3.3 D	.00		
91	10	29	11	2.3	77.	99.9	-	3.4	83.	99.9	-	4.1	97.	99.9	-	58.5	27.8	-1.2 A	-3.8 D	.00		
91	10	29	13	4.9	107.	99.9	-	8.7	115.	99.9	-	11.0	118.	99.9	-	65.8	22.8	-2.0 A	-4.4 B	.00		
91	10	29	14	4.4	114.	99.9	-	9.2	117.	99.9	-	10.8	119.	99.9	-	68.0	22.3	-1.9 A	-4.1 C	.00		
91	10	29	15	3.8	83.	99.9	-	6.6	124.	99.9	-	8.3	123.	99.9	-	68.2	23.3	-1.0 C	-3.1 D	.00		
91	10	29	16	3.8	116.	99.9	-	7.5	110.	99.9	-	11.7	117.	99.9	-	67.7	23.2	-.7 D	-2.7 D	.00		
91	10	29	17	2.5	84.	99.9	-	6.1	94.	99.9	-	11.7	103.	99.9	-	65.0	25.6	.3 E	-.9 E	.00		
91	10	29	18	1.4	102.	99.9	-	7.8	76.	99.9	-	12.9	97.	99.9	-	57.8	26.4	4.5 G	4.0 F	.00		
91	10	29	19	1.7	79.	99.9	-	6.5	83.	99.9	-	12.4	103.	99.9	-	54.2	26.4	6.0 G	5.5 F	.00		
91	10	29	20	1.8	78.	99.9	-	7.3	71.	99.9	-	12.8	101.	99.9	-	51.4	26.8	6.3 G	5.9 F	.00		
91	10	29	21	2.1	57.	99.9	-	7.9	59.	99.9	-	11.4	101.	99.9	-	50.5	28.7	4.8 G	4.2 F	.00		
91	10	29	22	2.0	52.	99.9	-	6.8	54.	99.9	-	11.0	98.	99.9	-	46.9	28.5	5.4 G	5.6 F	.00		
91	10	29	23	2.0	102.	99.9	-	5.1	65.	99.9	-	7.8	81.	99.9	-	44.5	25.6	3.5 G	5.3 F	.00		
91	10	29	24	1.3	129.	99.9	-	4.1	79.	99.9	-	9.0	75.	99.9	-	38.9	26.0	7.0 G	9.4 F	.00		
91	10	30	1	2.1	89.	99.9	-	5.8	60.	99.9	-	9.4	87.	99.9	-	39.1	25.9	5.9 G	6.5 F	.00		
91	11	14	18	1.0	99.	99.9	-	2.2	128.	99.9	-	8.5	172.	99.9	-	49.9	48.0	-.4 D	3.5 E	.01		
91	11	14	19	1.2	62.	99.9	-	4.4	45.	99.9	-	6.8	159.	99.9	-	48.8	48.0	-.1 E	3.8 E	.01		
91	11	14	20	1.4	218.	99.9	-	3.1	30.	99.9	-	7.9	174.	99.9	-	48.1	47.6	.2 E	4.4 F	.00		
91	11	14	21	1.2	75.	99.9	-	3.6	19.	99.9	-	7.7	179.	99.9	-	47.9	46.9	1.7 F	4.3 F	.00		
91	11	14	22	.8	100.	99.9	-	2.3	64.	99.9	-	5.3	183.	99.9	-	47.4	46.5	5.0 G	4.9 F	.00		
91	11	14	23	.9	114.	99.9	-	2.4	66.	99.9	-	10.0	203.	99.9	-	47.3	45.7	4.8 G	5.5 F	.00		
91	11	14	24	1.6	238.	99.9	-	7.6	201.	99.9	-	17.5	197.	99.9	-	48.3	44.3	4.9 G	6.0 F	.00		
91	11	15	1	2.0	254.	99.9	-	6.2	203.	99.9	-	12.5	206.	99.9	-	49.8	43.5	3.9 G	3.9 F	.00		
91	11	15	2	.8	255.	99.9	-	4.7	218.	99.9	-	11.4	219.	99.9	-	47.9	45.1	5.4 G	5.7 F	.00		
91	11	15	3	1.2	78.	99.9	-	4.7	179.	99.9	-	12.2	191.	99.9	-	48.7	42.3	4.8 G	4.5 F	.00		
91	11	15	4	1.4	185.	99.9	-	4.4	218.	99.9	-	9.1	232.	99.9	-	49.6	41.3	3.3 G	2.8 E	.00		
91	11	15	5	1.9	267.	99.9	-	6.5	229.	99.9	-	17.1	220.	99.9	-	49.5	41.1	3.1 G	3.5 E	.00		
91	11	15	6	2.1	186.	99.9	-	4.3	220.	99.9	-	9.4	214.	99.9	-	52.4	36.7	1.2 F	.4 F	.00		
91	11	17	16	3.2	111.	99.9	-	5.7	119.	99.9	-	8.6	103.	99.9	-	49.1	14.2	-.7 D	-2.8 D	.00		

PROGRAM: LIST VERSION: PC-1.1

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA 500-FT LEVEL BATCH RELEASES FOR THE FOURTH QUARTER 1991

-----35 FT-----150 FT-----500 FT-----

YR	MO	DY	HR	WIND	WIND	STD	WIND	WIND	STD	WIND	WIND	STD	AMB.	DEW	DELTA T	DELTA T	RAIN			
				SPEED	DIR	DEV	SC	SPEED	DIR	DEV	SC	SPEED	DIR	DEV		TEMP		POINT	150-35	500-35
				(MPH)	(DEG)	(DEG)		(MPH)	(DEG)	(DEG)	SC	(MPH)	(DEG)	(DEG)	SC	(F)	(F)	(F)	SC	(IN)
91	11	17	17	1.2	100.	99.9	-	4.0	92.	99.9	-	9.0	95.	99.9	-	45.4	18.4	1.4 F	.1 E	.00
91	11	17	18	2.6	128.	99.9	-	4.1	82.	99.9	-	8.6	98.	99.9	-	38.8	20.9	6.2 G	5.8 F	.00
91	11	17	19	.9	147.	99.9	-	2.0	19.	99.9	-	7.2	88.	99.9	-	35.2	22.9	5.2 G	8.3 F	.00
91	11	17	20	1.9	134.	99.9	-	4.0	31.	99.9	-	8.0	90.	99.9	-	32.5	23.4	5.4 G	10.0 F	.00
91	11	17	21	1.2	123.	99.9	-	2.7	33.	99.9	-	6.0	99.	99.9	-	31.5	24.2	3.3 G	9.6 F	.00
91	11	17	22	1.5	111.	99.9	-	4.2	50.	99.9	-	9.5	98.	99.9	-	30.2	23.1	4.9 G	9.9 F	.00
91	11	17	23	2.0	108.	99.9	-	4.0	39.	99.9	-	9.6	89.	99.9	-	29.5	23.3	5.1 G	9.0 F	.00
91	11	17	24	1.3	120.	99.9	-	3.4	44.	99.9	-	5.9	97.	99.9	-	28.7	22.7	4.3 G	9.1 F	.00
91	11	18	1	2.0	88.	99.9	-	5.8	54.	99.9	-	8.6	90.	99.9	-	29.3	24.1	4.2 G	7.9 F	.00
91	11	18	2	2.5	96.	99.9	-	5.2	46.	99.9	-	7.7	99.	99.9	-	29.4	25.1	3.3 G	6.7 F	.00
91	11	18	3	2.1	122.	99.9	-	3.8	21.	99.9	-	6.2	114.	99.9	-	29.1	24.9	4.2 G	6.9 F	.00
91	11	18	4	1.6	107.	99.9	-	4.1	43.	99.9	-	7.1	124.	99.9	-	28.4	22.8	4.5 G	7.8 F	.00
91	11	18	5	1.5	108.	99.9	-	3.4	48.	99.9	-	8.4	117.	99.9	-	28.3	20.8	3.5 G	8.1 F	.00
91	11	28	9	4.6	234.	99.9	-	6.0	235.	99.9	-	9.9	217.	99.9	-	42.8	40.1	-.3 E	-2.1 D	.01
91	11	28	10	1.8	188.	99.9	-	4.4	188.	99.9	-	7.7	194.	99.9	-	42.2	40.7	-.1 E	-1.8 D	.02
91	11	28	11	3.2	194.	99.9	-	5.6	195.	99.9	-	11.8	188.	99.9	-	43.5	40.9	-.2 E	-1.8 D	.00
91	11	28	12	5.6	207.	99.9	-	7.3	210.	99.9	-	11.2	205.	99.9	-	43.9	40.0	-.4 D	-.1 D	.00
91	11	28	13	4.6	218.	99.9	-	6.0	219.	99.9	-	10.4	215.	99.9	-	44.8	40.2	-.4 D	-2.0 D	.00
91	11	28	14	3.4	231.	99.9	-	4.5	224.	99.9	-	7.0	212.	99.9	-	45.9	40.2	-.5 D	-2.2 D	.00
91	11	28	15	3.1	209.	99.9	-	5.2	213.	99.9	-	7.7	203.	99.9	-	45.9	40.0	-.3 E	-2.0 D	.00
91	11	28	16	2.9	192.	99.9	-	5.4	198.	99.9	-	10.5	193.	99.9	-	46.1	39.6	-.2 E	-1.8 D	.00
91	11	28	17	2.3	192.	99.9	-	4.3	197.	99.9	-	13.0	188.	99.9	-	45.9	39.8	-.2 E	-1.5 D	.00
91	11	28	18	2.4	203.	99.9	-	5.0	202.	99.9	-	7.6	206.	99.9	-	46.0	39.6	-.2 E	-1.9 D	.00
91	11	29	3	4.5	247.	99.9	-	7.5	247.	99.9	-	15.9	224.	99.9	-	56.5	38.5	.1 E	-.9 E	.00
91	11	29	4	3.7	200.	99.9	-	6.9	232.	99.9	-	11.9	237.	99.9	-	56.2	37.1	.9 E	.1 E	.00
91	11	29	5	9.3	231.	99.9	-	11.7	237.	99.9	-	19.2	233.	99.9	-	58.2	35.4	-.2 E	-1.5 D	.00
91	11	29	6	8.4	231.	99.9	-	11.4	237.	99.9	-	18.8	233.	99.9	-	57.7	35.7	-.1 E	-1.5 D	.00
91	11	29	7	5.5	238.	99.9	-	7.4	248.	99.9	-	13.6	233.	99.9	-	56.9	35.5	-.1 E	-1.4 D	.00
91	11	29	8	3.0	210.	99.9	-	5.7	236.	99.9	-	13.9	227.	99.9	-	55.7	35.8	.6 E	-.3 E	.00
91	11	29	9	4.8	238.	99.9	-	7.0	237.	99.9	-	14.1	226.	99.9	-	57.2	36.3	-.2 E	-1.6 D	.01
91	11	29	10	8.3	238.	99.9	-	10.1	233.	99.9	-	15.1	223.	99.9	-	59.5	38.5	-.5 D	-2.2 D	.00
91	11	29	17	1.6	114.	99.9	-	4.8	167.	99.9	-	11.1	183.	99.9	-	58.5	44.3	5.5 G	4.6 F	.00
91	11	29	18	1.1	144.	99.9	-	2.6	191.	99.9	-	11.8	180.	99.9	-	52.9	44.1	7.3 G	9.1 F	.00
91	11	29	19	1.0	117.	99.9	-	2.8	36.	99.9	-	14.7	175.	99.9	-	50.1	43.3	6.9 G	11.2 G	.00
91	11	29	20	1.3	207.	99.9	-	5.7	204.	99.9	-	16.8	188.	99.9	-	51.5	43.1	7.4 G	8.7 F	.00
91	11	29	21	2.3	331.	99.9	-	5.9	207.	99.9	-	16.1	182.	99.9	-	53.0	42.8	6.6 G	7.9 F	.00
91	11	29	22	.8	204.	99.9	-	2.8	234.	99.9	-	11.2	179.	99.9	-	49.8	43.2	8.1 G	9.4 F	.00
91	11	29	23	1.0	22.	99.9	-	6.8	195.	99.9	-	13.8	187.	99.9	-	49.1	42.4	8.2 G	10.6 G	.00
91	11	29	24	1.4	99.	99.9	-	2.8	4.	99.9	-	11.1	171.	99.9	-	49.1	42.4	8.2 G	9.9 F	.00
91	11	30	1	2.0	54.	99.9	-	3.1	117.	99.9	-	13.6	166.	99.9	-	49.1	42.3	8.1 G	9.7 F	.00
91	11	30	2	1.1	43.	99.9	-	2.2	98.	99.9	-	12.3	171.	99.9	-	48.9	42.1	8.2 G	8.7 F	.00
91	11	30	3	2.7	336	99.9	-	5.1	192.	99.9	-	17.0	174.	99.9	-	57.4	41.0	1.9 F	1.4 E	.00
91	11	30	4	2.3	220.	99.9	-	4.9	177.	99.9	-	15.2	170.	99.9	-	60.0	42.3	.3 E	-.5 E	.00
91	11	30	5	2.2	31.	99.9	-	3.8	158.	99.9	-	11.1	169.	99.9	-	58.9	43.1	1.4 F	.3 E	.00
91	11	30	6	2.8	347.	99.9	-	2.7	125.	99.9	-	13.4	173.	99.9	-	59.1	43.5	.7 E	.1 E	.00
91	11	30	7	10.0	210.	99.9	-	13.6	238.	99.9	-	22.8	203.	99.9	-	66.0	46.7	.1 E	-.9 E	.00
91	11	30	8	5.6	210.	99.9	-	9.3	222.	99.9	-	16.8	206.	99.9	-	61.9	52.3	.0 E	-.7 E	.03
91	11	30	9	4.9	205.	99.9	-	7.3	217.	99.9	-	16.0	204.	99.9	-	61.8	53.2	.2 E	-.5 E	.01

PROGRAM: LIST VERSION: PC-1.1

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA 500-FT LEVEL BATCH RELEASES FOR THE FOURTH QUARTER 1991

-----35 FT-----150 FT-----500 FT-----

YR	MO	DY	HR	35 FT			150 FT			500 FT			AMB.	DW	DELTA T	DELTA T	RAIN
				WIND SPEED	WIND DIR	STD DEV	WIND SPEED	WIND DIR	STD DEV	WIND SPEED	WIND DIR	STD DEV	TEMP 35F	POINT 35F			
				(MPH)	(DEG)	(DEG)	(MPH)	(DEG)	(DEG)	(MPH)	(DEG)	(DEG)	(F)	(F)	150-35	500-35	FALL
						SC									(F)	SC	(IN)
91	11	30	10	9.7	214.	99.9 -	13.2	213.	99.9 -	20.5	208.	99.9 -	66.2	52.2	.0 E	-1.3 D	.00
91	11	30	11	10.6	232.	99.9 -	13.7	229.	99.9 -	20.6	213.	99.9 -	68.2	53.1	-.2 E	-1.7 D	.00
91	11	30	12	8.0	229.	99.9 -	10.6	231.	99.9 -	16.7	213.	99.9 -	65.5	56.1	-.2 E	-1.4 D	.02
91	11	30	13	11.7	224.	99.9 -	16.0	229.	99.9 -	21.3	217.	99.9 -	68.3	55.3	-.3 E	-1.9 D	.00
91	11	30	14	13.7	224.	99.9 -	16.8	224.	99.9 -	24.3	209.	99.9 -	67.0	56.8	-.4 D	-2.0 D	.00
91	11	30	15	9.1	225.	99.9 -	11.9	225.	99.9 -	19.0	213.	99.9 -	66.7	57.1	-.3 E	-1.8 D	.00
91	11	30	16	8.3	227.	99.9 -	10.4	227.	99.9 -	15.3	215.	99.9 -	67.0	57.2	-.3 E	-1.7 D	.00
91	11	30	17	6.9	229.	99.9 -	8.8	231.	99.9 -	15.2	219.	99.9 -	67.0	57.3	-.1 E	-1.5 D	.00
91	11	30	18	9.5	232.	99.9 -	13.1	242.	99.9 -	19.9	229.	99.9 -	67.4	57.4	-.2 E	-1.7 D	.00
91	11	30	19	5.9	287.	99.9 -	12.1	289.	99.9 -	17.4	275.	99.9 -	65.7	56.0	.0 E	-1.4 D	.00
91	11	30	20	5.5	298.	99.9 -	11.3	299.	99.9 -	16.1	299.	99.9 -	62.4	44.6	-.1 E	-1.8 D	.00
91	11	30	21	4.4	317.	99.9 -	6.3	308.	99.9 -	9.8	308.	99.9 -	55.6	44.6	-.4 D	-2.3 D	.00
91	11	30	22	6.0	332.	99.9 -	8.6	319.	99.9 -	13.9	312.	99.9 -	51.7	40.7	-.6 D	-2.5 D	.00
91	11	30	23	4.2	322.	99.9 -	7.4	310.	99.9 -	11.9	294.	99.9 -	48.9	38.7	-.4 D	-2.1 D	.00
91	11	30	24	4.0	359.	99.9 -	6.0	1.	99.9 -	6.2	333.	99.9 -	47.1	37.2	-.6 D	-2.4 D	.00
91	12	1	1	5.0	319.	99.9 -	7.6	315.	99.9 -	10.2	321.	99.9 -	44.6	36.0	-.5 D	-2.5 D	.00
91	12	1	2	3.0	286.	99.9 -	4.8	297.	99.9 -	5.9	315.	99.9 -	43.4	34.8	-.5 D	-2.4 D	.00
91	12	1	3	3.9	323.	99.9 -	5.8	319.	99.9 -	8.0	328.	99.9 -	42.5	34.7	-.5 D	-2.4 D	.00
91	12	1	4	1.7	20.	99.9 -	2.5	14.	99.9 -	4.7	347.	99.9 -	41.9	33.9	-.5 D	-2.4 D	.00
91	12	1	5	2.8	356.	99.9 -	4.2	357.	99.9 -	5.6	347.	99.9 -	41.6	33.3	-.5 D	-2.4 D	.00
91	12	1	6	1.4	354.	99.9 -	1.7	273.	99.9 -	.9	202.	99.9 -	41.3	33.0	-.5 D	-2.3 D	.00
91	12	1	7	2.7	21.	99.9 -	4.8	8.	99.9 -	6.7	351.	99.9 -	40.8	32.9	-.5 D	-2.1 D	.00
91	12	1	8	2.6	351.	99.9 -	3.9	347.	99.9 -	5.1	2.	99.9 -	40.7	33.0	-.5 D	-2.3 D	.00
91	12	1	9	1.9	38	99.9 -	4.0	30.	99.9 -	6.5	24.	99.9 -	41.2	33.2	-.6 D	-2.5 D	.00
91	12	1	10	2.9	24.	99.9 -	5.1	24.	99.9 -	5.9	2.	99.9 -	41.8	33.0	-.7 D	-2.6 D	.00
91	12	1	11	3.1	85.	99.9 -	4.2	94.	99.9 -	6.1	88.	99.9 -	43.1	32.8	-.9 D	-2.9 D	.00
91	12	1	12	1.9	27.	99.9 -	2.9	78.	99.9 -	4.2	70.	99.9 -	43.3	33.5	-.6 D	-2.7 D	.00
91	12	1	13	1.8	353.	99.9 -	2.8	4.	99.9 -	2.5	345.	99.9 -	43.3	33.5	-.6 D	-2.5 D	.00
91	12	1	14	3.2	101.	99.9 -	6.6	116.	99.9 -	6.2	115.	99.9 -	44.2	33.9	-1.0 C	-3.0 D	.00
91	12	1	15	3.0	5.	99.9 -	4.7	16.	99.9 -	4.8	6.	99.9 -	43.9	34.5	-.7 D	-2.5 D	.00
91	12	1	16	1.1	223.	99.9 -	1.3	254.	99.9 -	2.7	342.	99.9 -	41.3	38.7	-.5 D	-2.1 D	.01
91	12	1	17	2.4	331.	99.9 -	4.4	321.	99.9 -	6.9	334.	99.9 -	40.7	39.1	-.5 D	-2.2 D	.01
91	12	1	18	1.3	139.	99.9 -	1.3	141.	99.9 -	2.4	321.	99.9 -	40.1	39.5	-.4 D	-2.0 D	.03
91	12	1	19	.8	135.	99.9 -	1.4	175.	99.9 -	.8	310.	99.9 -	40.4	39.6	-.2 E	-1.9 D	.00
91	12	1	20	2.3	324.	99.9 -	5.3	306.	99.9 -	7.4	309.	99.9 -	40.8	39.5	-.3 E	-1.9 D	.00
91	12	1	21	1.6	295.	99.9 -	4.7	306.	99.9 -	5.6	285.	99.9 -	41.0	39.1	-.4 D	-1.9 D	.00
91	12	1	22	2.6	313.	99.9 -	4.5	300.	99.9 -	8.7	304.	99.9 -	41.1	38.9	-.4 D	-1.5 D	.00
91	12	1	23	1.1	155.	99.9 -	2.4	185.	99.9 -	2.5	250.	99.9 -	41.1	39.0	-.3 E	-2.0 D	.00
91	12	1	24	.9	160.	99.9 -	1.2	208.	99.9 -	1.4	219.	99.9 -	41.2	39.0	-.1 E	-1.9 D	.00
91	12	2	1	2.0	309.	99.9 -	4.7	306.	99.9 -	8.7	308.	99.9 -	41.4	38.5	-.4 D	-2.0 D	.00
91	12	2	2	3.0	310.	99.9 -	4.1	301.	99.9 -	5.5	298.	99.9 -	41.4	37.4	-.4 D	-2.2 D	.00
91	12	2	3	3.5	330.	99.9 -	5.5	336.	99.9 -	7.9	324.	99.9 -	40.8	36.5	-.4 D	-2.2 D	.00
91	12	2	4	3.1	329.	99.9 -	4.2	334.	99.9 -	7.7	336.	99.9 -	40.0	34.7	-.4 D	-2.2 D	.00
91	12	2	5	1.9	339.	99.9 -	3.1	360.	99.9 -	6.1	358.	99.9 -	39.6	33.6	-.4 D	-2.3 D	.00
91	12	2	6	3.4	19.	99.9 -	5.9	18.	99.9 -	8.8	1.	99.9 -	39.1	32.6	-.4 D	-2.2 D	.00
91	12	2	7	2.7	22.	99.9 -	4.1	60.	99.9 -	7.7	47.	99.9 -	36.8	33.1	-.5 D	-2.2 D	.00
91	12	2	8	2.1	42.	99.9 -	4.5	64.	99.9 -	7.2	51.	99.9 -	38.8	32.5	-.5 D	-2.3 D	.00
91	12	2	9	3.4	59.	99.9 -	9.8	65.	99.9 -	11.7	46.	99.9 -	39.1	30.1	-.8 D	-2.4 D	.00

PROGRAM: LIST VERSION: PC-1.1

LISTING FOR BEAVER VALLEY HOURLY METEOROLOGICAL DATA 500-FT LEVEL BATCH RELEASES FOR THE FOURTH QUARTER 1991

-----35 FT-----150 FT-----500 FT-----

YR	MO	DY	HR	WIND	WIND	STD	WIND	WIND	STD	WIND	WIND	STD	AMB.	DEW	DELTA T	DELTA T	RAIN				
				SPEED	DIR	DEV	SPEED	DIR	DEV	SPEED	DIR	DEV	TEMP	POINT							
				(MPH)	(DEG)	(DEG)	SC	(MPH)	(DEG)	(DEG)	SC	(MPH)	(DEG)	(DEG)	35F	35F	150-35	500-35	FALL		
															(F)	(F)	(F)	SC	SC		
91	12	2	10	4.7	68.	99.9	-	9.6	70.	99.9	-	11.3	58.	99.9	-	39.3	29.3	-.6 D	-2.5 D	.00	
91	12	2	11	4.7	75.	99.9	-	10.4	73.	99.9	-	13.8	59.	99.9	-	39.6	28.4	-.7 D	-2.7 D	.00	
91	12	2	12	3.4	37.	99.9	-	9.1	57.	99.9	-	11.5	39.	99.9	-	40.2	29.2	-.7 D	-2.6 D	.00	
91	12	2	13	3.7	55.	99.9	-	9.2	63.	99.9	-	11.9	50.	99.9	-	40.4	28.9	-.7 D	-2.7 D	.00	
91	12	2	14	4.0	73.	99.9	-	9.7	72.	99.9	-	13.3	59.	99.9	-	40.5	28.3	-.6 D	-2.5 D	.00	
91	12	2	15	4.8	70.	99.9	-	12.5	71.	99.9	-	16.7	57.	99.9	-	40.5	28.3	-.5 D	-2.3 D	.00	
91	12	2	16	5.9	61.	99.9	-	15.0	61.	99.9	-	20.1	45.	99.9	-	40.9	29.0	-.4 D	-2.2 D	.00	
91	12	2	17	5.1	60.	99.9	-	12.2	63.	99.9	-	14.8	59.	99.9	-	39.7	30.9	-.1 E	-2.0 D	.01	
91	12	2	18	5.6	59.	99.9	-	14.1	63.	99.9	-	16.7	60.	99.9	-	38.2	34.4	-.1 E	-1.9 D	.06	
91	12	2	19	6.0	56.	99.9	-	14.0	63.	99.9	-	17.8	69.	99.9	-	38.2	35.9	999.9	-	-1.9 D	.13
91	12	2	20	4.8	62.	99.9	-	11.2	76.	99.9	-	17.9	80.	99.9	-	38.7	36.9	999.9	-	-1.8 D	.12
91	12	2	21	3.6	58.	99.9	-	9.2	73.	99.9	-	15.6	85.	99.9	-	39.4	36.1	-.9 D	-1.8 D	.24	
91	12	2	22	4.3	58.	99.9	-	9.3	82.	99.9	-	15.3	92.	99.9	-	40.4	39.0	-.9 D	-1.8 D	.24	
91	12	2	23	4.9	40.	99.9	-	10.7	74.	99.9	-	14.8	102.	99.9	-	42.0	40.4	-.9 D	-1.7 D	.13	
91	12	2	24	4.5	40.	99.9	-	8.4	68.	99.9	-	10.0	101.	99.9	-	43.5	42.2	-.9 D	-1.7 D	.11	
91	12	3	1	5.6	47.	99.9	-	9.8	86.	99.9	-	14.9	115.	99.9	-	45.2	43.9	-.9 D	-1.6 D	.07	
91	12	3	2	3.6	36.	99.9	-	5.1	117.	99.9	-	15.7	130.	99.9	-	46.8	45.2	-1.1 E	-1.9 D	.11	
91	12	3	3	2.5	15.	99.9	-	4.3	61.	99.9	-	10.3	135.	99.9	-	46.8	46.0	-.6 D	-.9 E	.26	
91	12	3	4	4.1	34.	99.9	-	5.2	113.	99.9	-	15.5	148.	99.9	-	49.6	48.5	-.9 D	-1.0 E	.15	
91	12	3	5	3.3	355.	99.9	-	3.8	200.	99.9	-	16.4	173.	99.9	-	52.6	51.2	-.1 E	.0 E	.00	
91	12	3	6	12.4	243.	99.9	-	16.7	253.	99.9	-	21.3	235.	99.9	-	60.7	51.2	999.9	-	-.9 E	.00
91	12	3	7	13.0	245.	99.9	-	19.4	258.	99.9	-	24.8	245.	99.9	-	56.3	47.7	-.1 E	-1.4 D	.00	
91	12	3	8	9.7	260.	99.9	-	18.9	269.	99.9	-	24.9	256.	99.9	-	50.7	43.0	-.4 D	-1.8 D	.00	
91	12	3	9	12.0	247.	99.9	-	17.5	257.	99.9	-	23.5	249.	99.9	-	47.7	39.9	-.4 D	-1.7 D	.00	
91	12	3	10	13.0	248.	99.9	-	20.8	262.	99.9	-	27.4	252.	99.9	-	45.3	38.6	-.5 D	-1.9 D	.00	
91	12	3	11	8.6	277.	99.9	-	15.3	279.	99.9	-	21.6	271.	99.9	-	43.4	37.6	-.6 D	-2.6 D	.00	
91	12	3	12	8.6	282.	99.9	-	14.1	272.	99.9	-	18.7	258.	99.9	-	41.0	36.9	-.6 D	-2.4 D	.00	
91	12	3	13	8.1	264.	99.9	-	14.4	269.	99.9	-	20.9	260.	99.9	-	41.0	34.9	-.5 D	-2.2 D	.00	
91	12	3	14	6.9	290.	99.9	-	13.1	287.	99.9	-	18.8	274.	99.9	-	39.8	35.2	-.7 D	-2.6 D	.00	