Appendix 2A. Tables

Table 2-1. 1970 Population Distribution 0-10 Miles

"HISTORICAL INFORMATION NOT REQUIRED TO BE REVISED"

SECTOR	*0-1 MILE*	*1-2 MILES*	*2-3 MILES*	*3-4 MILES*	*4-5 MILES*	*5-10 MILES*	*TOTAL*
N	*0*	*0*	*0*	*0*	*0*	*40*	*40*
NNE	*0*	*0*	*0*	*38*	*22*	*60*	*120*
NE	*0*	*0*	*0*	*115*	*235*	*2,000*	*2,350*
ENE	*0*	*22*	*38*	*108*	*112*	*681*	*961*
E	*0*	*0*	*0*	*140*	*417*	*670*	*1,227*
ESE	*0*	*0*	*51*	*70*	*131*	*1,326*	*1,578*
SE	*0*	*0*	*80*	*6*	*70*	*8,472*	*8,628*
SSE	*0*	*0*	*0*	*0*	*45*	*7,792*	*7,837*
S	*0*	*19*	*29*	*6*	*140*	*2,027*	*2,221*
SSW	*0*	*6*	*0*	*0*	*112*	*7,000*	*7,118*
SW	*0*	*19*	*0*	*128*	*166*	*538*	*851*
WSW	*0*	*13*	*80*	*181*	*35*	*1,102*	*1,411*
W	*0*	*0*	*150*	*38*	*102*	*1,419*	*1,709*
WNW	*0*	*3*	*22*	*51*	*26*	*1,456*	*1,558*
NW	*0*	*0*	*0*	*13*	*32*	*920*	*965*
NNW	*0*	*3*	*3*	*13*	*16*	*881*	*916*
TOTAL	*0*	*85*	*453*	*907*	*1,661*	*36,384*	*39,490*

Table 2-2. 2010 Projected Population Distribution 0-10 Miles

"HISTORICAL INFORMATION NOT REQUIRED TO BE REVISED"

SECTOR	*0-1 MILE*	*1-2 MILES*	*2-3 MILES*	*3-4 MILES*	*4-5 MILES*	*5-10 MILES*	*TOTAL*
N	*0*	*0*	*35*	*123*	*27*	*615*	*800*
NNE	*0*	*35*	*215*	*46*	*8*	*446*	*750*
NE	*0*	*15*	*33*	*76*	*89*	*1,125*	*1,338*
ENE	*0*	*18*	*38*	*81*	*142*	*1,666*	*1,945*
E	*0*	*22*	*44*	*68*	*308*	*1,645*	*2,087*
ESE	*0*	*18*	*34*	*14*	*97*	*3,280*	*3,443*
SE	*0*	*10*	*27*	*22*	*66*	*3,865*	*3,990*
SSE	*0*	*12*	*18*	*26*	*133*	*7,722*	*7,911*
S	*0*	*10*	*12*	*36*	*203*	*2,885*	*3,146*
SSW	*0*	*48*	*137*	*12*	*6*	*11,285*	*11,488*
SW	*0*	*31*	*99*	*37*	*28*	*2,207*	*2,402*
WSW	*0*	*12*	*79*	*30*	*79*	*4,593*	*4,793*
W	*0*	*21*	*90*	*84*	*81*	*1,867*	*2,143*
WNW	*0*	*26*	*53*	*65*	*58*	*1,513*	*1,715*
NW	*0*	*311*	*515*	*465*	*78*	*1,303*	*2,672*
NNW	*0*	*297*	*374*	*884*	*44*	*751*	*2,350*
TOTAL	*0*	*886*	*1,803*	*2,069*	*1,447*	*46,768*	*52,973*

SOURCE: *U.S. Census 1910-1960, Extrapolation (for 2010) by Dr. C. Horace Hamilton, Department of Rural Sociology, North Carolina State University, Raleigh, N.C.*

Table 2-3. 1970 Population Distribution 0-50 Miles

"HISTORICAL INFORMATION NOT REQUIRED TO BE REVISED"

SECTOR	***0-10 MILES***	***10-20 MILES***	***20-30 MILES***	***30-40 MILES***	***40-50 MILES***	***TOTAL***
N	*40*	*52*	*2,479*	*1,087*	*20,659*	*24,317*
NNE	*120*	*1,095*	*3,514*	*13,879*	*21,431*	*40,039*
NE	*2,350*	*5,007*	*4,608*	*2,702*	*24,312*	*38,979*
ENE	*961*	*9,323*	*61,552*	*43,989*	*25,285*	*141,110*
E	*1,227*	*18,322*	*78,884*	*47,398*	*17,518*	*163,349*
ESE	*1,578*	*1,425*	*17,561*	*5,519*	*5,704*	*31,787*
SE	*8,628*	*3,390*	*44,033*	*12,708*	*9,835*	*78,594*
SSE	*7,837*	*4,957*	*16,200*	*6,836*	*2,700*	*38,530*
S	*2,221*	*4,500*	*3,040*	*10,990*	*12,033*	*32,784*
SSW	*7,118*	*3,681*	*4,265*	*8,811*	*6,384*	*30,259*
SW	*851*	*3,748*	*12,904*	*4,317*	*5,352*	*27,172*
WSW	*1,411*	*5,606*	*7,506*	*8,772*	*14,639*	*37,934*
W	*1,709*	*1,969*	*2,884*	*2,760*	*2,716*	*12,038*
WNW	*1,558*	*835*	*1,977*	*2,563*	*1,740*	*8,673*
NW	*965*	*588*	*1,772*	*9,804*	*2,771*	*15,900*
NNW	*916*	*340*	*1,448*	*6,700*	*11,833*	*21,237*
TOTAL	*39,490*	*64,838*	*264,627*	*188,835*	*184,912*	*742,702*

Table 2-4. 2010 Projected Population Distribution 0-50 Miles

"HISTORICAL INFORMATION NOT REQUIRED TO BE REVISED"

SECTOR	*0-10 MILE*	*10-20 MILES*	*20-30 MILES*	*30-40 MILES*	*40-50 MILES*	*TOTAL*
N	*800*	*570*	*3,213*	*1,400*	*30,600*	*36,583*
NNE	*750*	*1,141*	*3,970*	*19,100*	*29,500*	*54,461*
NE	*1,338*	*3,355*	*6,018*	*4,700*	*26,100*	*41,511*
ENE	*1,945*	*12,325*	*60,430*	*53,000*	*41,400*	*169,100*
E	*2,087*	*19,600*	*127,913*	*75,300*	*23,800*	*248,700*
ESE	*3,443*	*4,285*	*15,572*	*9,000*	*7,400*	*39,700*
SE	*3,990*	*5,700*	*54,210*	*13,200*	*6,900*	*84,000*
SSE	*7,911*	*4,015*	*19,574*	*7,600*	*2,300*	*41,400*
S	*3,146*	*3,140*	*4,932*	*6,000*	*8,400*	*25,618*
SSW	*11,488*	*3,190*	*4,336*	*6,100*	*3,100*	*28,214*
SW	*2,402*	*7,400*	*9,129*	*4,500*	*900*	*24,331*
WSW	*4,793*	*4,105*	*15,176*	*10,700*	*16,900*	*51,674*
W	*2,143*	*1,535*	*4,264*	*4,100*	*3,600*	*15,642*
WNW	*1,715*	*1,085*	*3,152*	*2,200*	*2,300*	*10,452*
NW	*2,672*	*525*	*2,204*	*9,400*	*4,800*	*19,601*
NNW	*2,350*	*695*	*1,693*	*4,800*	*13,700*	*23,238*
TOTAL	*52,973*	*72,666*	*335,786*	*231,100*	*221,700*	*914,225*

SOURCE: *U.S. Census 1910-1960, Extrapolation (for 2010) by Dr. C. Horace Hamilton, Department of Rural Sociology, North Carolina State University, Raleigh N.C*

Table 2-5. 1970 Cumulative Population Density 0-50 Miles

"HISTORICAL INFORMATION NOT REQUIRED TO BE REVISED"

SECTOR	*0-1 MILE*	*0-2 MILES*	*0-3 MILES*	*0-4 MILES*	*0-5 MILES*	*0-10 MILES*	*0-20 MILES*	*0-30 MILES*	*0-40 MILES*	*0-50 MILES*
N	*0*	*0*	*0*	*0*	*0*	*2*	*1*	*15*	*12*	*49*
NNE	*0*	*0*	*0*	*12*	*12*	*6*	*15*	*27*	*59*	*81*
NE	*0*	*0*	*0*	*38*	*71*	*120*	*93*	*68*	*47*	*79*
ENE	*0*	*28*	*34*	*55*	*57*	*47*	*131*	*406*	*368*	*285*
E	*0*	*0*	*0*	*46*	*114*	*62*	*248*	*557*	*464*	*330*
ESE	*0*	*0*	*29*	*40*	*51*	*80*	*38*	*116*	*83*	*64*
SE	*0*	*0*	*45*	*28*	*32*	*439*	*153*	*317*	*219*	*159*
SSE	*0*	*0*	*0*	*0*	*9*	*399*	*162*	*164*	*114*	*78*
S	*0*	*25*	*27*	*18*	*19*	*113*	*85*	*55*	*66*	*66*
SSW	*0*	*8*	*3*	*2*	*24*	*362*	*137*	*85*	*76*	*61*
SW	*0*	*25*	*5*	*48*	*64*	*43*	*58*	*99*	*69*	*55*
WSW	*0*	*17*	*53*	*90*	*63*	*72*	*89*	*82*	*74*	*77*
W	*0*	*0*	*85*	*62*	*59*	*87*	*47*	*37*	*30*	*24*
WNW	*0*	*4*	*14*	*25*	*21*	*79*	*30*	*25*	*22*	*18*
NW	*0*	*0*	*0*	*4*	*9*	*49*	*20*	*19*	*42*	*32*
NNW	*0*	*4*	*3*	*6*	*7*	*47*	*16*	*15*	*30*	*43*
TOTAL	*0*	*7*	*19*	*29*	*40*	*126*	*83*	*130*	*111*	*95*

Table 2-6. 2010 Projected Cumulative Population Density 0-50 Miles

"HISTORICAL INFORMATION NOT REQUIRED TO BE REVISED"

SECTOR	*0-1 MILE*	*0-2 MILES*	*0-3 MILES*	*0-4 MILES*	*0-5 MILES*	*0-10 MILES*	*0-20 MILES*	*0-30 MILES*	*0-40 MILES*	*0-50 MILES*
N	*0*	*0*	*20*	*52*	*38*	*41*	*17*	*26*	*19*	*74*
NNE	*0*	*44*	*141*	*97*	*62*	*38*	*24*	*33*	*79*	*110*
NE	*0*	*19*	*27*	*41*	*43*	*68*	*60*	*61*	*49*	*84*
ENE	*0*	*23*	*32*	*45*	*57*	*99*	*181*	*423*	*406*	*342*
E	*0*	*28*	*37*	*44*	*90*	*101*	*275*	*847*	*715*	*502*
ESE	*0*	*23*	*29*	*22*	*33*	*175*	*98*	*132*	*103*	*80*
SE	*0*	*13*	*21*	*19*	*26*	*203*	*123*	*362*	*245*	*170*
SSE	*0*	*15*	*17*	*18*	*39*	*403*	*151*	*178*	*124*	*84*
S	*0*	*13*	*12*	*19*	*53*	*160*	*80*	*63*	*55*	*52*
SSW	*0*	*61*	*105*	*65*	*41*	*585*	*186*	*108*	*80*	*57*
SW	*0*	*39*	*73*	*55*	*40*	*122*	*124*	*107*	*75*	*49*
WSW	*0*	*15*	*51*	*40*	*41*	*244*	*113*	*136*	*111*	*104*
W	*0*	*27*	*63*	*64*	*56*	*109*	*47*	*45*	*38*	*32*
WNW	*0*	*33*	*45*	*47*	*41*	*87*	*36*	*34*	*26*	*21*
NW	*0*	*395*	*467*	*423*	*279*	*136*	*41*	*31*	*47*	*40*
NNW	*0*	*377*	*379*	*510*	*326*	*120*	*39*	*27*	*30*	*47*
TOTAL	*0*	*70*	*95*	*95*	*79*	*169*	*100*	*163*	*138*	*116*

Table 2-7. Frequency of Tropical Cyclones in Georgia, South Carolina and North Carolina Plus Coastal Waters

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

Period (Years)	***Total***	***Average per Year***	***No. Years with no Tropical Storms***	***No. Years with Double the Average No.***
1871-1875	*8*	*1.6*	*0*	*0*
1876-1885	*18*	*1.8*	*1*	*1*
1886-1895	*19*	*1.9*	*2*	*1*
1896-1905	*21*	*2.1*	*1*	*0*
1906-1915	*16*	*1.6*	*0*	*0*
1916-1925	*12*	*1.2*	*3*	*2*
1926-1935	*16*	*1.6*	*1*	*0*
1936-1945	*12*	*1.2*	*1*	*1*
1946-1955	*25*	*2.5*	*2*	*0*
1956-1965	*17*	*1.7*	*0*	*1*
Total (95 Years)	*164*		*11*	*6*

Note: *(References 1, 2 and 3)*

Table 2-8. Mean Monthly Thunderstorm Days and Thunderstorms for Nuclear Plant Site

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

Month	***Thunderstorm Days***	***Thunderstorms***
Jan	*1*	*1.1*
Feb	*1.5*	*1.6*
Mar	*3.5*	*3.8*
Apr	*4*	*4.6*
May	*7*	*8.0*
Jun	*11*	*12.6*
Jul	*13*	*15.0*
Aug	*10*	*11.5*
Sept	*5*	*5.8*
Oct	*1.5*	*1.6*
Nov	*1.5*	*1.6*
Dec	*1*	*1.1*
Annual	*60*	*68.3*

Note:

1. Reference 11

Table 2-9. Duration and Frequency (in Hours) of Calm and Near-Calm Winds Average of Three Locations[1] (1/59 - 12/63)

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

Duration (Hours)	***Winter***	***Spring***	***Summer***	***Fall***	***Annual***
A. Calm Conditions: Calm at all locations					
01-05	*74.2[2]*	*70.4*	*94.7*	*92.5*	*331.8*
06-11	*3.9*	*3.4*	*5.9*	*6.9*	*20.1*
12-17	*0.3*	*0.3*	*0.8*	*1.3*	*2.7*
18-23	*0.0*	*0.0*	*0.1*	*0.3*	*0.4*
24-29	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
30-35	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
36-41	*0.1*	*0.0*	*0.0*	*0.0*	*0.1*
Total					*355.1*
B. Average Wind Speed: 1 Knot or Less					
01-05	*76.2*	*74.5*	*98.9*	*95.6*	*345.2*
06-11	*4.0*	*3.5*	*6.1*	*7.1*	*20.7*
12-17	*0.3*	*0.3*	*0.8*	*1.3*	*2.7*
18-23	*0.0*	*0.0*	*0.1*	*0.3*	*0.4*
24-29	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
30-35	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
36-41	*0.1*	*0.0*	*0.0*	*0.0*	*0.1*
Total					*369.1*

Note:

1. *The three locations were Charlotte WBAS, Winston-Salem WBAS, North Carolina; and Greenville WBAS and Greenville-Spartanburg WBAS, South Carolina.*
2. *Hours per season or hours per year as appropriate.*
3. *Reference 13.*

Table 2-10. Annual Surface Wind Rose For Greenville, South Carolina (1/59 - 12/63)[1]

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

	Wind Speeds in Knots							
Wind Direction	***1.3***	***4-6***	***7-10***	***11-16***	***17-21***	***22-27***	***Total Freq.***	***Mean Speed***
N	*1.2[2]*	*2.4*	*2.2*	*1.1*	*0.1*	*.0*	*7.0*	*7.1*
NNE	*0.8*	*2.7*	*2.7*	*1.0*	*0.1*	*.0*	*7.3*	*7.2*
NE	*1.2*	*5.2*	*6.0*	*2.1*	*0.2*	*.0*	*14.7*	*7.5*
ENE	*0.8*	*3.6*	*3.2*	*1.0*	*0.1*	*.0*	*8.7*	*7.0*
E	*1.3*	*2.5*	*1.5*	*0.2*	*.0*	*.0*	*5.5*	*5.5*
ESE	*0.8*	*1.3*	*0.5*	*.0*	*.0*	*.0*	*2.6*	*4.8*
SE	*0.9*	*1.4*	*0.4*	*.0*	*.0*	*.0*	*2.7*	*4.6*
SSE	*0.5*	*1.0*	*0.4*	*.0*	*.0*	*.0*	*1.9*	*5.1*
S	*1.0*	*2.0*	*1.0*	*0.1*	*.0*	*.0*	*4.1*	*5.4*
SSW	*0.5*	*1.9*	*1.5*	*0.4*	*.0*	*.0*	*4.3*	*6.6*
SW	*1.0*	*3.6*	*3.5*	*1.3*	*0.1*	*.0*	*9.5*	*7.2*
WSW	*0.7*	*2.9*	*3.7*	*1.8*	*0.3*	*0.1*	*9.5*	*8.2*
W	*0.8*	*2.4*	*2.0*	*0.8*	*0.2*	*.0*	*6.2*	*7.2*
WNW	*0.6*	*2.2*	*1.2*	*0.4*	*0.1*	*.0*	*4.5*	*6.6*
NW	*1.1*	*2.4*	*0.7*	*0.2*	*.0*	*.0*	*4.4*	*5.3*
NNW	*0.6*	*1.5*	*0.9*	*0.4*	*0.1*	*.0*	*3.5*	*6.7*
Calm							*3.6*	
	13.8	*39.0*	*31.4*	*10.8*	*1.3*	*0.1*	*100.0*	*6.6*

Note:

1. *Reference 12*
2. *Percent Frequency*

Table 2-11. Percent Frequency of Wind Speeds at Various Hours Through the Day - Greenville, S. C. (1/59 - 12/63)[1]

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

	Wind Speed in Knots							
Hour	***0***	***1-3***	***4-6***	***7-10***	***11-16***	***17-21***	***22-23***	***34+***
01	*4.3*	*20.1*	*42.8(2)*	*25.2*	*7.0*	*.6*	*0*	*0*
04	*4.7*	*21.0*	*42.9(2)*	*23.8*	*7.3*	*.4*	*0*	*0*
07	*4.1*	*19.0*	*39.6(2)*	*29.4*	*6.9*	*.9*	*.2*	*0*
10	*1.5*	*8.2*	*34.6*	*39.0(2)*	*15.7*	*1.4*	*.1*	*0*
13	*0.7*	*4.9*	*32.0*	*41.1(2)*	*18.4*	*2.6*	*.4*	*0*
16	*0.6*	*6.1*	*31.6*	*41.2(2)*	*16.8*	*3.2*	*.6*	*0*
19	*2.9*	*14.0*	*46.5(2)*	*26.1*	*9.0*	*1.3*	*.1*	*.1*
22	*7.5*	*16.2*	*43.1(2)*	*25.3*	*6.6*	*1.1*	*.1*	*.0*
Average	*3.3*	*13.7*	*39.1(2)*	*31.4*	*11.0*	*1.4*	*.1*	*.1*

Note:

1. *Reference 12*
2. *Indicates the Speed Class of the 50 Percent Level*

Table 2-12. Duration and Frequency of Calm and Near-Calm Winds Average of Three Locations[2] (1/59 - 12/63)

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

Duration (Hours)	***Winter***	***Spring***	***Summer***	***Fall***	***Annual***
A. Calm Conditions: Calm at all Locations					
		Incidents/Season/Stations			
01-05	*74.2*	*70.4*	*94.7*	*92.5*	*331.8*
06-11	*3.9*	*3.4*	*5.9*	*6.9*	*20.1*
12-17	*0.3*	*0.3*	*0.8*	*1.3*	*2.7*
18-23	*0.0*	*0.0*	*0.1*	*0.3*	*0.4*
24-29	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
30-35	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
36-41	*0.1*	*0.0*	*0.0*	*0.0*	*0.1*
Total					*355.1*
B. Average Wind Speed: 1 Knot or Less					
01-05	*76.2*	*74.5*	*98.9*	*95.6*	*345.2*
06-11	*4.0*	*3.5*	*6.1*	*7.1*	*20.7*
12-17	*0.3*	*0.3*	*0.8*	*1.3*	*2.7*
18-23	*0.0*	*0.0*	*0.1*	*0.3*	*0.4*
24-35	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
36-41	*0.1*	*0.0*	*0.0*	*0.0*	*0.1*
Total					*369.1*

Note:

1. *Frequency of incidents/season/station were determined by dividing 15 into total number of occurrences for each season-duration group (5 years of record times 3 stations = 15).*
2. *Reference 13 - The three locations were Charlotte WBAS, Winston-Salem WBAS, North Carolina; and Greenville WBAS and Greenville-Spartanburg WBAS, South Carolina.*

Table 2-13. Percentage Distribution of Athens, Georgia Annual Winds at 0630 Eastern Standard Time (800-1300 Feet Above Ground)

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

Wind Direction	***1-5 (1)***	***6-10***	***11-14***	***>15***	***Totals***
N	*1.84*	*1.55*	*0.14*	*0*	*3.53*
NNE	*0.99*	*0.14*	*0.28*	*0*	*1.41*
NE	*2.11*	*1.55*	*0.42*	*0*	*4.09*
ENE	*2.82*	*5.08*	*3.24*	*1.97*	*13.12*
E	*2.26*	*3.95*	*1.13*	*0*	*7.33*
ESE	*2.12*	*2.12*	*0.71*	*0.14*	*5.08*
SE	*1.41*	*0.99*	*0.85*	*0.14*	*3.39*
SSE	*1.27*	*1.27*	*0.28*	*0.14*	*2.96*
S	*1.83*	*0.42*	*0.28*	*0.14*	*2.68*
SSW	*2.12*	*2.12*	*0.71*	*0.28*	*5.22*
SW	*1.41*	*3.95*	*1.13*	*0.42*	*6.91*
WSW	*1.55*	*2.96*	*1.13*	*0.28*	*5.92*
W	*2.96*	*4.09*	*2.54*	*0.71*	*10.30*
WNW	*2.40*	*4.94*	*4.37*	*1.13*	*12.83*
NW	*1.83*	*5.22*	*3.10*	*0.14*	*10.30*
NNW	*2.12*	*1.83*	*0.28*	*0*	*4.23*
Calm					*0.71*
	31.03	*42.17*	*20.6*	*5.50*	*100.01*

Note:

1. *Wind Speeds in Meters/Sec*
2. *Reference 16*
3. *December 1, 1954 through November 30, 1961*

Table 2-14. Percentage Distribution of Athens, Georgia Annual Winds at 0630 Eastern Standard Time (2300-2800 Feet Above Ground)

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

Wind Direction	***1-5*** [1]	***6-10***	***11-14***	***>15***	***Totals***
N	*1.46*	*1.32*	*0.44*	*0.44*	*3.66*
NNE	*1.61*	*0.88*	*0.15*	*0*	*2.64*
NE	*1.75*	*0.88*	*0.29*	*0.15*	*3.07*
ENE	*2.19*	*2.78*	*1.02*	*0.88*	*6.87*
E	*1.90*	*4.24*	*0.44*	*0.29*	*6.87*
ESE	*2.34*	*2.78*	*0.29*	*0.44*	*5.85*
SE	*1.32*	*1.02*	*0.29*	*0.29*	*2.92*
SSE	*1.61*	*1.61*	*0.29*	*0.88*	*4.39*
S	*1.32*	*1.90*	*0.44*	*0.88*	*4.54*
SSW	*1.61*	*1.32*	*0.88*	*0.88*	*4.69*
SW	*2.92*	*3.22*	*1.02*	*1.61*	*8.77*
WSW	*1.70*	*4.09*	*1.02*	*1.02*	*7.83*
W	*2.78*	*4.53*	*2.34*	*2.49*	*12.14*
WNW	*3.95*	*4.53*	*2.92*	*2.19*	*13.59*
NW	*1.46*	*2.34*	*1.75*	*1.90*	*7.45*
NNW	*1.32*	*2.49*	*0.73*	*0.29*	*4.83*
Calm					*0.44*
	31.24	*39.93*	*14.31*	*14.63*	*100.+*

Note:

1. *Wind Speeds in Meters/Sec*
2. *Reference 16*
3. *December 1, 1954 through November 30, 1961*

Table 2-15. Average Wind Direction Change with Height, Athens, Georgia, by Lapse Rates in the Lowest 50 Meters-Two Years of Record [(1)]

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

Height Above Ground (meters)	***Stable***	***Unstable***
50	*4.6°*	*3°*
100	*9.6°*	*6°*
150	*14.2°*	*8.4°*
200	*18.6°*	*11°*
250	*25°*	*13.6°*
300	*28°*	*17.5°*
350	*33°*	*19.2°*
400	*37°*	*21.1°*

Note:

1. *Reference 16*
2. *Years of Record are DEC 1959 - NOV 1961*

Table 2-16. 67.5° Sector Wind Direction Persistence Duration (in Hours) Greenville, S. C. WBAS

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

Direction	***Summer*** $\overline{P}$	***Summer RMSP***	***Winter*** $\overline{P}$	***Winter RMSP***	***Summer*** $\overline{P} > 24$**Hrs.**	***Winter*** $\overline{P} > 24$**Hrs.**
N	*1.49*	*1.82*	*3.23*	*4.67*	*0*	*0*
NNE	*2.75*	*3.51*	*3.47*	*4.65*	*0*	*0*
NE	*4.02*	*6.70*	*5.65*	*11.13*	*1-29*	*1-48*
ENE	*2.96*	*3.80*	*7.73*	*15.0*	*0*	*1-52,1-71*
E	*2.75*	*3.75*	*2.74*	*3.45*	*0*	*0*
ESE	*2.53*	*3.55*	*1.43*	*1.66*	*0*	*0*
SE	*1.35*	*1.57*	*1.38*	*1.84*	*0*	*0*
SSE	*2.04*	*2.59*	*3.00*	*3.64*	*0*	*0*
S	*1.86*	*2.79*	*1.72*	*2.13*	*0*	*0*
SSW	*2.02*	*2.70*	*2.41*	*3.01*	*0*	*0*
SW	*3.32*	*4.84*	*3.27*	*4.67*	*0*	*0*
WSW	*4.34*	*9.87*	*5.29*	*7.95*	*0*	*0*
W	*2.70*	*3.45*	*2.29*	*3.04*	*0*	*0*
WNW	*2.90*	*4.18*	*2.63*	*3.13*	*0*	*0*
NW	*2.26*	*3.01*	*1.60*	*1.86*	*0*	*0*
NNW	*1.67*	*2.10*	*2.33*	*2.99*	*0*	*0*
Calm	*1.58*	*1.77*	*1.87*	*2.28*	*0*	*0*

Table 2-17. 112.5° Sector Wind Direction Persistence Duration (in Hours) (Greenville, S. C. WBAS)

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

Wind Direction	***Summer*** $\overline{\mathbf{P}}$	***Summer RMSP***	***Winter*** $\overline{\mathbf{P}}$	***Winter RMSP***	***Summer*** $\overline{\mathbf{P}} > 24$**Hrs.**	***Winter*** $\overline{\mathbf{P}} > 24$**Hrs.**
N	*2.51*	*3.09*	*6.24*	*10.28*	*0*	*1-28, 1-31*
NNE	*4.49*	*6.88*	*4.67*	*6.57*	*0*	*0*
NE	*11.89*	*20.46*	*15.56*	*28.05*	*1-41, 1-57, 1-64, 1-44, 1-45*	*1-26, 1-51, 1-66, 1-101*
ENE	*5.03*	*7.53*	*10.00*	*15.70*	*0*	*1-26, 1-32, 1-36, 1-41*
E	*5.36*	*5.79*	*5.40*	*7.92*	*1-56*	*1-24*
ESE	*4.15*	*5.73*	*4.10*	*6.42*	*0*	*1-24*
SE	*2.19*	*3.86*	*4.00*	*6.50*	*0*	*0*
SSE	*2.24*	*2.79*	*3.42*	*3.84*	*0*	*0*
S	*2.76*	*3.26*	*3.92*	*6.28*	*0*	*1-29*
SSW	*3.83*	*5.32*	*2.58*	*3.17*	*0*	*0*
SW	*6.71*	*11.70*	*5.62*	*7.79*	*1-29, 1-40, 1-25, 1-37, 1-24*	*1-26*
WSW	*9.74*	*16.40*	*6.68*	*10.00*	*1-58, 1-24 1-60, 1-25*	*1-31*
W	*5.68*	*8.70*	*4.30*	*5.48*	*1-25*	*0*
WNW	*3.78*	*5.13*	*5.28*	*7.94*	*0*	*1-35*
NW	*3.71*	*4.74*	*2.83*	*3.66*	*0*	*0*
NNW	*2.47*	*3.13*	*5.20*	*8.10*	*0*	*0*

Table 2-18. Surface Temperature (°F) Clemson, S. C. (68 Years of Record) [(1)]

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

Month	***Absolute Min.***	***Mean Min.***	***Mean***	***Mean Max.***	***Absolute Max.***
Jan	*-5*	*+33*	*43.6*	*54*	*80*
Feb	*-7*	*34*	*45.5*	*57*	*82*
Mar	*+10*	*40*	*52.2*	*64*	*89*
Apr	*24*	*48*	*60.5*	*73*	*93*
May	*33*	*57*	*68.9*	*81*	*100*
Jun	*42*	*65*	*76.2*	*88*	*105*
Jul	*49*	*68*	*78.6*	*89*	*104*
Aug	*52*	*67*	*77.8*	*88*	*104*
Sep	*38*	*62*	*73.1*	*84*	*104*
Oct	*23*	*50*	*62.2*	*75*	*98*
Nov	*10*	*39*	*51.4*	*64*	*86*
Dec	*+2*	*33*	*44.0*	*55*	*81*
Annual	*22.6*	*49.7*	*61.2*	*72.7*	*93.8*

Note:

1. References 15a-f

Table 2-19. Surface Precipitation (Inches) Clemson, S. C. (71 Years of Record) [2]

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

Normals		***Month***	***Amount***
Jan	*4.88*	*Highest Annual*	*73.70 (1936)*
Feb	*5.28*	*Lowest Annual*	*37.07 (1941)*
Mar	*5.23*	*Heaviest Snowfall*	*14.1 inches (Dec 1930)*
Apr	*4.16*		
May	*3.83*	*Heaviest Rainfall - Short Periods of Time[1]*	
Jun	*4.32*	*in 1 hour*	*3.18 inches 7/17/40*
Jul	*5.09*	*in 2 hours*	*4.38 inches 7/17/40*
Aug	*4.91*	*in 3 hours*	*4.48 inches 7/17/40*
Sep	*3.64*	*in 6 hours*	*4.48 inches 7/17/40*
Oct	*3.25*	*in 12 hours*	*5.42 inches 8/12-13/40*
Nov	*3.04*	*in 24 hours*	*9.92 inches 9/29/36*
Dec	*5.27*		
Annual	*52.90*		

Note:

1. *All records were associated with tropical storms*
2. *References 15a-f.*

Table 2-20. Precipitation - Wind Statistics - Greenville, S. C. 1959-1963 (By Precipitation Intensities) [(1)]

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

Wind Direction	*Light*		*Moderate*		*Heavy*		*Total*	
	%	*Speed*	*%*	*Speed*	*%*	*Speed*	*%*	*Speed*
N	*0.351*	*6.58*	*0.030*	*6.69*	*0.023*	*12.10*	*0.404*	*6.90*
NNE	*0.659*	*7.62*	*0.052*	*9.26*	*0.018*	*8.50*	*0.729*	*7.76*
NE	*2.526*	*9.19*	*0.219*	*10.97*	*0.082*	*10.00*	*2.827*	*9.35*
ENE	*1.381*	*8.24*	*0.128*	*9.52*	*0.034*	*7.53*	*1.543*	*8.33*
E	*0.486*	*6.16*	*0.057*	*6.28*	*0.018*	*10.25*	*0.561*	*6.30*
ESE	*0.221*	*5.45*	*0.014*	*5.83*	*0.009*	*7.25*	*0.244*	*5.54*
SE	*0.203*	*4.98*	*0.023*	*5.70*	*0.018*	*7.25*	*0.244*	*5.22*
SSE	*0.171*	*5.95*	*0.016*	*7.29*	*0.014*	*6.83*	*0.201*	*6.12*
S	*0.399*	*6.93*	*0.023*	*8.00*	*0.009*	*8.75*	*0.431*	*7.03*
SSW	*0.395*	*8.05*	*0.034*	*10.20*	*0.014*	*9.33*	*0.443*	*8.26*
SW	*0.591*	*7.39*	*0.046*	*8.40*	*0.009*	*6.50*	*0.646*	*7.45*
SWS	*0.507*	*7.36*	*0.016*	*7.43*	*0.005*	*17.50*	*0.528*	*7.46*
W	*0.278*	*7.29*	*0.014*	*7.83*	*0.014*	*13.00*	*0.306*	*7.58*
WNW	*0.157*	*6.35*	*0.001*	*8.40*	*0.016*	*9.71*	*0.184*	*6.76*
NW	*0.171*	*5.97*	*0.007*	*7.33*	*0.009*	*13.50*	*0.187*	*6.38*
NNW	*0.153*	*7.08*	*0.014*	*8.83*	*0.018*	*14.75*	*0.185*	*7.96*
Calm	*0.132*	*-*	*0.005*	*-*	*0*	*-*	*0.137*	*-*
Totals	*8.781*		*0.709*		*0.310*		*9.800*	

Note:

1. *Reference 17.*
2. *Percentages are expressed in terms of the percentage of total hours in the five-year period. Wind speeds are in knots.*

Table 2-21. Pasquill Stability Categories for Greenville, South Carolina

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

	Column 1		*Column 2*		*Column 3*		*Column 4*	
Wind Direction	P_C	$\bar{u}_C$	P_D	$\bar{u}_D$	P_{E+F}	$\bar{u}_{E+F}$	P_F	$\bar{u}_F$
N	*1.66*	*10.326*	*2.42*	*10.189*	*2.10*	*4.371*	*1.52*	*3.567*
NNE	*1.42*	*9.083*	*2.25*	*8.662*	*1.80*	*4.821*	*1.13*	*3.851*
NE	*4.01*	*9.308*	*4.13*	*8.570*	*4.07*	*4.971*	*2.34*	*3.870*
ENE	*2.90*	*8.251*	*1.91*	*7.487*	*2.34*	*4.522*	*1.73*	*3.843*
E	*1.19*	*6.800*	*0.47*	*4.714*	*1.46*	*3.674*	*1.34*	*3.468*
ESE	*0.42*	*6.680*	*0.34*	*4.450*	*0.74*	*3.045*	*0.74*	*3.045*
SE	*0.34*	*5.850*	*0.25*	*4.200*	*1.30*	*3.494*	*1.25*	*3.392*
SSE	*0.49*	*6.621*	*0.20*	*5.500*	*0.61*	*3.361*	*0.58*	*3.206*
S	*1.19*	*7.486*	*0.59*	*5.257*	*1.47*	*3.966*	*1.32*	*3.705*
SSW	*1.37*	*9.247*	*0.51*	*7.733*	*1.10*	*4.538*	*0.75*	*3.614*
SW	*3.18*	*9.883*	*1.15*	*7.824*	*2.37*	*4.614*	*1.73*	*3.941*
WSW	*4.25*	*11.570*	*2.17*	*10.164*	*1.93*	*5.491*	*0.85*	*4.180*
W	*2.12*	*10.720*	*1.34*	*9.089*	*1.85*	*4.486*	*1.39*	*3.829*
WNW	*0.90*	*11.566*	*0.81*	*8.562*	*2.27*	*4.455*	*1.76*	*3.913*
NW	*0.68*	*9.425*	*0.47*	*6.214*	*2.74*	*4.130*	*2.18*	*3.574*
NNW	*0.51*	*9.700*	*0.36*	*8.810*	*1.10*	*4.277*	*0.85*	*3.640*
Calm	*0.20*	*0*	*0.37*	*0*	*2.76*	*0*	*2.76*	*0*
Total Percent	*26.83*	*9.47*	*19.74*	*8.26*	*32.01*	*4.06*	*24.22*	*3.72*

Note:

1. $\bar{u}$ *in knots above*
2. *P in % of total observations*
3. *5904 observations equally distributed throughout the year for a two-year period from December 1, 1959 through November 30, 1961*
4. *References 20 and 21*

Table 2-22. Pasquill Stability Category and Supplemental Data for Greenville, S. C.

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

Wind Direction	*Column 5*		*Column 6*		*Column 7*		*Column 8*[4]	
	P_L	$\bar{u}_L$	P_{fum}	$\bar{u}_{fum}$	P_{all}	$\bar{u}_{all}$	P_{5yrs}	$\bar{u}_{5yrs}$
N	*0.36*	*5.286*	*0.35*	*5.000*	*6.90*	*7.93*	*7.00*	*7.1*
NNE	*0.81*	*4.375*	*0.19*	*4.353*	*6.41*	*7.09*	*7.30*	*7.2*
NE	*1.34*	*4.861*	*0.68*	*5.417*	*14.23*	*7.25*	*14.70*	*7.5*
ENE	*1.80*	*3.849*	*0.38*	*4.912*	*9.30*	*6.19*	*8.70*	*7.0*
E	*1.32*	*4.449*	*0.23*	*4.550*	*4.67*	*4.84*	*5.50*	*5.5*
ESE	*0.86*	*4.098*	*0.07*	*4.000*	*2.40*	*4.32*	*2.60*	*4.8*
SE	*0.93*	*4.473*	*0.05*	*2.500*	*2.82*	*4.40*	*2.70*	*4.6*
SSE	*0.76*	*4.178*	*0.05*	*3.500*	*2.08*	*4.69*	*2.00*	*5.1*
S	*1.20*	*4.535*	*0.10*	*3.444*	*4.49*	*5.26*	*4.10*	*5.4*
SSW	*1.25*	*4.486*	*0.17*	*4.533*	*4.37*	*6.53*	*4.30*	*6.6*
SW	*2.27*	*4.619*	*0.32*	*4.670*	*9.24*	*6.86*	*9.50*	*7.2*
WSW	*1.10*	*4.585*	*0.39*	*5.400*	*9.80*	*9.10*	*9.50*	*8.2*
W	*0.83*	*5.020*	*0.54*	*4.896*	*6.79*	*7.37*	*6.20*	*7.2*
WNW	*0.73*	*5.302*	*0.38*	*5.176*	*5.17*	*6.44*	*4.50*	*6.6*
NW	*0.56*	*4.394*	*0.46*	*4.122*	*5.02*	*4.98*	*4.40*	*5.3*
NNW	*0.44*	*4.385*	*0.13*	*4.417*	*2.55*	*6.01*	*3.50*	*6.7*
Calm	*0.10*	*0*	*0.27*	*0*	*3.75*	*0*	*3.50*	*-*
Total Percent	*16.66*	*4.479*	*4.76*	*4.527*	*100.00*	*6.44*	*100.00*	*6.57*

Note:

1. $\bar{u}$ *in knots above.*
2. *P in % of total observations.*
3. *Based on 5904 observations equally distributed throughout the two-year period from December 1, 1959 through November 30, 1961.*
4. *Entire 5 year period 1959 - 1963.*
5. *References 20, 21, and 12.*

Table 2-23. Average Temperature Difference (°F) at Minimum Temperature Time[(1)]. (Paris Mountain Fire Tower - Clemson) Versus Pasquill Stability Class (From Greenville, South Carolina Hourly Observations)

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

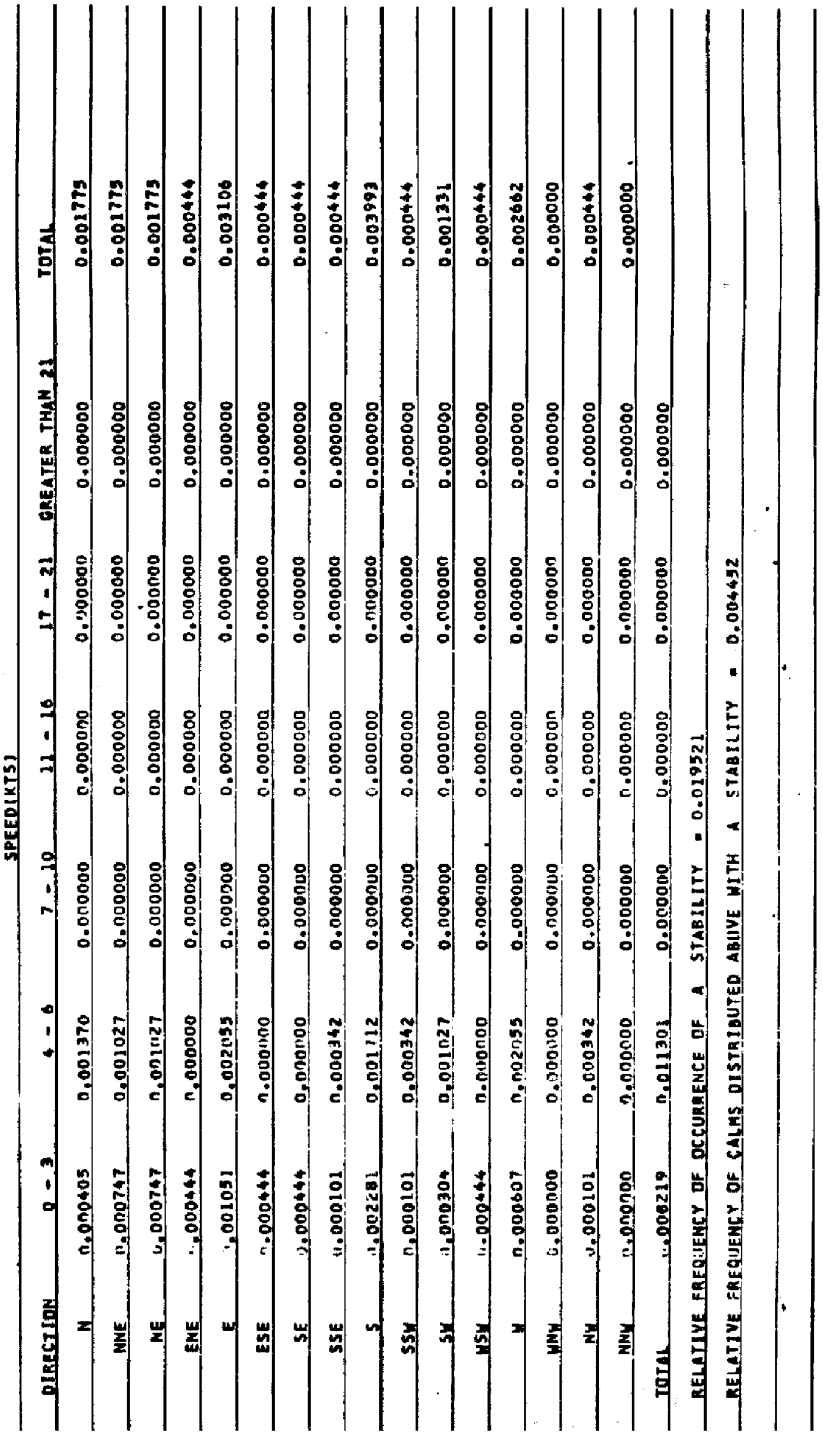
Pasquill Stability Class	***Season***				
	Winter	***Spring***	***Summer***	***Fall***	***Annual***
C	*-5.43*	*-5.75*	*-6.60*	*-4.63*	*-4.93*
D	*-1.28*	*-2.05*	*-2.28*	*0.00*	*-1.37*
E	*+3.96*	*+2.25*	*-1.59*	*+2.31*	*+1.75*
F	*+5.18*	*+4.87*	*+1.11*	*+4.18*	*+3.72*

Note:

1. *602 Days of Record from December 1, 1959 through November 30, 1961.*
2. *Reference 23.*

Table 2-24. Joint Frequency Distribution of Wind Speed and Wind Direction for each Stability Class, for Greenville-Spartanburg, South Carolina for 1975

["HISTORICAL INFORMATION NOT REQUIRED TO BE REVISED."]



SPEED(KTS)							
DIRECTION	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21	TOTAL
N	0.000405	0.001370	0.000000	0.000000	0.000000	0.000000	0.001775
NNE	0.000747	0.001027	0.000000	0.000000	0.000000	0.000000	0.001775
NE	0.000747	0.001027	0.000000	0.000000	0.000000	0.000000	0.001775
ENE	0.000444	0.000000	0.000000	0.000000	0.000000	0.000000	0.000444
E	0.001051	0.002055	0.000000	0.000000	0.000000	0.000000	0.003106
ESE	0.000444	0.000000	0.000000	0.000000	0.000000	0.000000	0.000444
SE	0.000444	0.000000	0.000000	0.000000	0.000000	0.000000	0.000444
SSE	0.000101	0.000342	0.000000	0.000000	0.000000	0.000000	0.000444
S	0.002281	0.001112	0.000000	0.000000	0.000000	0.000000	0.003393
SSW	0.000101	0.000342	0.000000	0.000000	0.000000	0.000000	0.000444
SW	0.000304	0.001027	0.000000	0.000000	0.000000	0.000000	0.001331
WSW	0.000444	0.000000	0.000000	0.000000	0.000000	0.000000	0.000444
W	0.000607	0.002055	0.000000	0.000000	0.000000	0.000000	0.002662
WNW	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
NW	0.000101	0.000342	0.000000	0.000000	0.000000	0.000000	0.000444
NNW	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
TOTAL	0.008219	0.011301	0.000000	0.000000	0.000000	0.000000	

RELATIVE FREQUENCY OF OCCURRENCE OF A STABILITY = 0.019521

RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH A STABILITY = 0.004432

	SPEED(KTS)						
DIRECTION	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21	TOTAL
N	0.006538	0.004795	0.000685	0.000000	0.000000	0.000000	0.012017
NNE	0.000681	0.002055	0.001370	0.000000	0.000000	0.000000	0.004105
NE	0.002972	0.004452	0.000685	0.000000	0.000000	0.000000	0.008109
ENE	0.001462	0.002055	0.000000	0.000000	0.000000	0.000000	0.003517
E	0.003359	0.007192	0.000342	0.000000	0.000000	0.000000	0.010893
ESE	0.002586	0.001712	0.000342	0.000000	0.000000	0.000000	0.004641
SE	0.001559	0.002740	0.000342	0.000000	0.000000	0.000000	0.004641
SSE	0.002731	0.002740	0.001712	0.000000	0.000000	0.000000	0.007183
S	0.002481	0.006507	0.002397	0.000000	0.000000	0.000000	0.011385
SSW	0.003025	0.002055	0.000685	0.000000	0.000000	0.000000	0.005765
SW	0.002191	0.004452	0.003767	0.000000	0.000000	0.000000	0.010410
WSW	0.000729	0.002397	0.002740	0.000000	0.000000	0.000000	0.005866
W	0.003069	0.003137	0.001712	0.000000	0.000000	0.000000	0.007918
WNW	0.001414	0.001712	0.000000	0.000000	0.000000	0.000000	0.003126
NW	0.001365	0.001370	0.000342	0.000000	0.000000	0.000000	0.003078
NNW	0.001510	0.002397	0.000685	0.000000	0.000000	0.000000	0.004593
TOTAL	0.037671	0.053767	0.017808	0.000000	0.000000	0.000000	

RELATIVE FREQUENCY OF OCCURRENCE OF B STABILITY = 0.109247

RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH B STABILITY = 0.011301

SPEED(KTS)

DIRECTION	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21	TOTAL
N	0.003056	0.004452	0.004795	0.001027	0.000000	0.000000	0.013330
NNE	0.001528	0.004795	0.004110	0.000000	0.000000	0.000000	0.010432
NE	0.000685	0.004452	0.003425	0.000000	0.000000	0.000000	0.008562
ENE	0.000053	0.000342	0.004795	0.000000	0.000000	0.000000	0.005190
E	0.000474	0.003082	0.003767	0.000000	0.000000	0.000000	0.007323
ESE	0.000263	0.001712	0.000685	0.000000	0.000000	0.000000	0.002661
SE	0.000764	0.002397	0.000685	0.000000	0.000000	0.000000	0.003846
SSE	0.000764	0.002397	0.000342	0.000000	0.000000	0.000000	0.003504
S	0.001027	0.004110	0.003767	0.000000	0.000000	0.000000	0.008904
SSW	0.001264	0.003082	0.005822	0.000000	0.000000	0.000000	0.010169
SW	0.000316	0.002055	0.011986	0.001027	0.000000	0.000000	0.015385
WSW	0.000369	0.002397	0.003425	0.000685	0.000000	0.000000	0.006876
W	0.000369	0.002397	0.003767	0.000342	0.000000	0.000000	0.006876
WNW	0.000158	0.001027	0.001027	0.000000	0.000000	0.000000	0.002213
NW	0.000053	0.000342	0.000685	0.000000	0.000000	0.000000	0.001080
NNW	0.000501	0.000685	0.002055	0.000000	0.000342	0.000000	0.003583
TOTAL	0.011644	0.039726	0.055137	0.003082	0.000342	0.000000	

RELATIVE FREQUENCY OF OCCURRENCE OF C STABILITY = 0.109932

RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH C STABILITY = 0.006849

SPEED(KTS)

DIRECTION	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21	TOTAL
N	0.006592	0.020890	0.006849	0.006507	0.001370	0.000000	0.042208
NNE	0.004712	0.016796	0.026027	0.004452	0.000000	0.000000	0.051287
NE	0.004019	0.014041	0.020548	0.005479	0.000000	0.000000	0.044087
ENE	0.002473	0.006164	0.007534	0.000685	0.000000	0.000000	0.016856
E	0.003659	0.008904	0.003767	0.001027	0.000000	0.000000	0.017358
ESE	0.001337	0.003767	0.001370	0.000342	0.000000	0.000000	0.006816
SE	0.002364	0.002740	0.002055	0.000000	0.000000	0.000000	0.007159
SSE	0.001337	0.003767	0.001027	0.000685	0.000000	0.000000	0.006816
S	0.003709	0.009247	0.008219	0.003767	0.000000	0.000000	0.024942
SSW	0.002431	0.008562	0.010959	0.004795	0.000342	0.000342	0.027431
SW	0.002841	0.014041	0.019863	0.016781	0.002397	0.000000	0.055923
WSW	0.001487	0.004795	0.009589	0.008904	0.001712	0.000000	0.026487
W	0.002966	0.006849	0.006164	0.003082	0.002055	0.000685	0.021801
WNW	0.002314	0.002397	0.000000	0.000342	0.000000	0.000000	0.005054
NW	0.001086	0.002055	0.000342	0.001712	0.000000	0.000000	0.005196
NNW	0.002565	0.004110	0.003082	0.005822	0.000000	0.000000	0.015578
TOTAL	0.045890	0.128424	0.127397	0.064384	0.007877	0.001027	

RELATIVE FREQUENCY OF OCCURRENCE OF D STABILITY = 0.375000

RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH D STABILITY = 0.022260

	SPEED(KTS)						
DIRECTION	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21	TOTAL
N	0.000000	0.011301	0.010616	0.000000	0.000000	0.000000	0.021918
NNE	0.000000	0.013356	0.003425	0.000000	0.000000	0.000000	0.016781
NE	0.000000	0.004795	0.002397	0.000000	0.000000	0.000000	0.007192
ENE	0.000000	0.002397	0.000342	0.000000	0.000000	0.000000	0.002740
E	0.000000	0.003082	0.000000	0.000000	0.000000	0.000000	0.003082
ESE	0.000000	0.001027	0.000000	0.000000	0.000000	0.000000	0.001027
SE	0.000000	0.001712	0.000000	0.000000	0.000000	0.000000	0.001712
SSE	0.000000	0.002740	0.000000	0.000000	0.000000	0.000000	0.002740
S	0.000000	0.008219	0.000000	0.000000	0.000000	0.000000	0.008219
SSW	0.000000	0.002740	0.001712	0.000000	0.000000	0.000000	0.004452
SW	0.000000	0.007192	0.005822	0.000000	0.000000	0.000000	0.013014
WSW	0.000000	0.003082	0.002055	0.000000	0.000000	0.000000	0.005137
W	0.000000	0.003767	0.002055	0.000000	0.000000	0.000000	0.005822
WNW	0.000000	0.000685	0.000342	0.000000	0.000000	0.000000	0.001027
NW	0.000000	0.000685	0.001712	0.000000	0.000000	0.000000	0.002397
NNW	0.000000	0.003082	0.005137	0.000000	0.000000	0.000000	0.008219
TOTAL	0.000000	0.069863	0.035616	0.000000	0.000000	0.000000	

RELATIVE FREQUENCY OF OCCURRENCE OF E STABILITY = 0.105479

RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH E STABILITY = 0.000000

	SPEED(KTS)						
DIRECTION	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21	TOTAL
N	0.013303	0.027740	0.000000	0.000000	0.000000	0.000000	0.041043
NNE	0.005385	0.012329	0.000000	0.000000	0.000000	0.000000	0.017713
NE	0.002281	0.003767	0.000000	0.000000	0.000000	0.000000	0.006048
ENE	0.000954	0.000342	0.000000	0.000000	0.000000	0.000000	0.001296
E	0.005021	0.001027	0.000000	0.000000	0.000000	0.000000	0.006048
ESE	0.002176	0.001712	0.000000	0.000000	0.000000	0.000000	0.003888
SE	0.002429	0.001027	0.000000	0.000000	0.000000	0.000000	0.003456
SSE	0.001222	0.001370	0.000000	0.000000	0.000000	0.000000	0.002592
S	0.005769	0.007192	0.000000	0.000000	0.000000	0.000000	0.012961
SSW	0.004204	0.006164	0.000000	0.000000	0.000000	0.000000	0.010369
SW	0.006770	0.012671	0.000000	0.000000	0.000000	0.000000	0.019442
WSW	0.003430	0.006507	0.000000	0.000000	0.000000	0.000000	0.009937
W	0.004847	0.010274	0.000000	0.000000	0.000000	0.000000	0.015121
WNW	0.001149	0.002740	0.000000	0.000000	0.000000	0.000000	0.003888
NW	0.001776	0.005137	0.000000	0.000000	0.000000	0.000000	0.006913
NNW	0.002640	0.005137	0.000000	0.000000	0.000000	0.000000	0.007777
TOTAL	0.063356	0.105137	0.000000	0.000000	0.000000	0.000000	

RELATIVE FREQUENCY OF OCCURRENCE OF F STABILITY = 0.168493

RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH F STABILITY = 0.034932

SPEED(KTS)

DIRECTION	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21	TOTAL
N	0.018437	0.000000	0.000000	0.000000	0.000000	0.000000	0.018437
NNE	0.007658	0.000000	0.000000	0.000000	0.000000	0.000000	0.007658
NE	0.005389	0.000000	0.000000	0.000000	0.000000	0.000000	0.005389
ENE	0.002836	0.000000	0.000000	0.000000	0.000000	0.000000	0.002836
E	0.001844	0.000000	0.000000	0.000000	0.000000	0.000000	0.001844
ESE	0.002269	0.000000	0.000000	0.000000	0.000000	0.000000	0.002269
SE	0.003404	0.000000	0.000000	0.000000	0.000000	0.000000	0.003404
SSE	0.002978	0.000000	0.000000	0.000000	0.000000	0.000000	0.002978
S	0.009931	0.000000	0.000000	0.000000	0.000000	0.000000	0.009931
SSW	0.009673	0.000000	0.000000	0.000000	0.000000	0.000000	0.009673
SW	0.009360	0.000000	0.000000	0.000000	0.000000	0.000000	0.009360
WSW	0.004964	0.000000	0.000000	0.000000	0.000000	0.000000	0.004964
W	0.006524	0.000000	0.000000	0.000000	0.000000	0.000000	0.006524
WNW	0.006524	0.000000	0.000000	0.000000	0.000000	0.000000	0.006524
NW	0.006666	0.000000	0.000000	0.000000	0.000000	0.000000	0.006666
NNW	0.006382	0.000000	0.000000	0.000000	0.000000	0.000000	0.006382
TOTAL	0.096438	0.000000	0.000000	0.000000	0.000000	0.000000	

RELATIVE FREQUENCY OF OCCURRENCE OF G STABILITY = 0.096438

RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH G STABILITY = 0.049863

	SPEED(KTS)						
DIRECTION	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21	TOTAL
N	0.049998	0.070548	0.022945	0.007534	0.001370	0.000000	0.152395
NNE	0.025738	0.049658	0.034932	0.004452	0.000000	0.000000	0.114779
NE	0.016122	0.032534	0.027055	0.005479	0.000000	0.000000	0.081191
ENE	0.008863	0.011301	0.012671	0.000685	0.000000	0.000000	0.033520
E	0.018931	0.025342	0.007877	0.001027	0.000000	0.000000	0.053177
ESE	0.008917	0.009932	0.002397	0.000342	0.000000	0.000000	0.021589
SE	0.011301	0.010616	0.003082	0.000000	0.000000	0.000000	0.025000
SSE	0.010315	0.013356	0.003082	0.000685	0.000000	0.000000	0.027438
S	0.026574	0.036986	0.014384	0.003767	0.000000	0.000000	0.081711
SSW	0.019134	0.022945	0.019178	0.004795	0.000342	0.000342	0.066739
SW	0.022122	0.041438	0.041438	0.017808	0.002397	0.000000	0.125204
WSW	0.012383	0.019178	0.017808	0.009589	0.001712	0.000000	0.060671
W	0.019931	0.030479	0.013699	0.003425	0.002055	0.000685	0.070273
WNW	0.007657	0.008562	0.001370	0.000342	0.000000	0.000000	0.017931
NW	0.008917	0.009932	0.003082	0.001712	0.000000	0.000000	0.023643
NNW	0.012205	0.015411	0.010959	0.005822	0.000342	0.000000	0.044739
TOTAL	0.279109	0.408219	0.235959	0.067466	0.008219	0.001027	

TOTAL RELATIVE FREQUENCY OF OBSERVATIONS = 1.000001

TOTAL RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE = 0.150343

Table 2-25. Joint Frequency Distribution of Wind Speed and Wind Direction for each Stability Class, for Greenville-Spartanburg, South Carolina for 1968-1972

["HISTORICAL INFORMATION NOT REQUIRED TO BE REVISED."]

	SPEED(KTS)						
DIRECTION	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21	TOTAL
N	0.000286	0.000890	0.000000	0.000000	0.000000	0.000000	0.001177
NNE	0.000566	0.000274	0.000000	0.000000	0.000000	0.000000	0.000840
NE	0.000461	0.000548	0.000000	0.000000	0.000000	0.000000	0.001008
ENE	0.000230	0.000274	0.000000	0.000000	0.000000	0.000000	0.000504
E	0.000202	0.000890	0.000000	0.000000	0.000000	0.000000	0.001092
ESE	0.000314	0.000274	0.000000	0.000000	0.000000	0.000000	0.000588
SE	0.000131	0.000205	0.000000	0.000000	0.000000	0.000000	0.000336
SSE	0.000062	0.000274	0.000000	0.000000	0.000000	0.000000	0.000336
S	0.000476	0.000616	0.000000	0.000000	0.000000	0.000000	0.001092
SSW	0.000177	0.000411	0.000000	0.000000	0.000000	0.000000	0.000588
SW	0.000345	0.000411	0.000000	0.000000	0.000000	0.000000	0.000756
WSW	0.000292	0.000548	0.000000	0.000000	0.000000	0.000000	0.000840
W	0.000355	0.000822	0.000000	0.000000	0.000000	0.000000	0.001177
WNW	0.000461	0.000548	0.000000	0.000000	0.000000	0.000000	0.001008
NW	0.000115	0.000137	0.000000	0.000000	0.000000	0.000000	0.000252
NNW	0.000047	0.000205	0.000000	0.000000	0.000000	0.000000	0.000252
TOTAL	0.004521	0.007329	0.000000	0.000000	0.000000	0.000000	

RELATIVE FREQUENCY OF OCCURRENCE OF A STABILITY = 0.011849

RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH A STABILITY = 0.002192

	SPEED(KTS)						
DIRECTION	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21	TOTAL
N	0.002982	0.003767	0.001096	0.000000	0.000000	0.000000	0.007845
NNE	0.001779	0.002945	0.001233	0.000000	0.000000	0.000000	0.005957
NE	0.001577	0.003973	0.002055	0.000000	0.000000	0.000000	0.007604
ENE	0.001538	0.001986	0.001781	0.000000	0.000000	0.000000	0.005305
E	0.002378	0.003699	0.001027	0.000000	0.000000	0.000000	0.007102
ESE	0.002578	0.002671	0.001096	0.000000	0.000000	0.000000	0.006345
SE	0.001351	0.002123	0.000822	0.000000	0.000000	0.000000	0.004497
SSE	0.001242	0.001233	0.000479	0.000000	0.000000	0.000000	0.002954
S	0.002918	0.002740	0.001438	0.000000	0.000000	0.000000	0.006688
SSW	0.001343	0.001507	0.001027	0.000000	0.000000	0.000000	0.003877
SW	0.001456	0.003493	0.003356	0.000000	0.000000	0.000000	0.008306
WSW	0.001570	0.003904	0.002877	0.000000	0.000000	0.000000	0.008351
W	0.001692	0.002397	0.001781	0.000000	0.000000	0.000000	0.005830
WNW	0.001284	0.002466	0.000548	0.000000	0.000000	0.000000	0.004298
NW	0.001131	0.001644	0.000822	0.000000	0.000000	0.000000	0.003597
NNW	0.001849	0.001575	0.000753	0.000000	0.000000	0.000000	0.003978
TOTAL	0.028219	0.042123	0.022192	0.000000	0.000000	0.000000	

RELATIVE FREQUENCY OF OCCURRENCE OF B STABILITY = 0.092534

RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH B STABILITY = 0.006096

	SPEED(KTS)						
DIRECTION	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21	TOTAL
N	0.001663	0.004384	0.004452	0.000342	0.000000	0.000000	0.010841
NNE	0.001017	0.003014	0.004041	0.000479	0.000000	0.000000	0.008552
NE	0.000606	0.003425	0.006096	0.000890	0.000000	0.000000	0.011017
ENE	0.000508	0.002329	0.004178	0.000753	0.000000	0.000000	0.007768
E	0.001017	0.003014	0.002534	0.000274	0.000000	0.000000	0.006839
ESE	0.000813	0.001575	0.001370	0.000000	0.000000	0.000000	0.003759
SE	0.000428	0.001438	0.000411	0.000068	0.000000	0.000000	0.002346
SSE	0.000347	0.001370	0.000822	0.000000	0.000000	0.000000	0.002539
S	0.001122	0.004178	0.003219	0.000342	0.000000	0.000000	0.008862
SSW	0.000633	0.002055	0.004178	0.000890	0.000000	0.000000	0.007756
SW	0.000712	0.003767	0.009658	0.001849	0.000068	0.000000	0.016054
WSW	0.000663	0.003219	0.009247	0.002055	0.000205	0.000000	0.015389
W	0.000625	0.003630	0.004041	0.000411	0.000000	0.000000	0.008707
WNW	0.000727	0.001438	0.001164	0.000342	0.000000	0.000000	0.003672
NW	0.000459	0.001781	0.002329	0.000411	0.000000	0.000000	0.004979
NNW	0.000303	0.001712	0.002534	0.000205	0.000000	0.000000	0.004755
TOTAL	0.011844	0.042329	0.060274	0.009315	0.000274	0.000000	

RELATIVE FREQUENCY OF OCCURRENCE OF C STABILITY = 0.123836

RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH C STABILITY = 0.004452

	SPEED(KTS)						
DIRECTION	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21	TOTAL
N	0.004835	0.011849	0.011644	0.009658	0.000890	0.000000	0.038876
NNE	0.004716	0.015274	0.022534	0.007055	0.000068	0.000000	0.049648
NE	0.004775	0.015753	0.028904	0.014110	0.000822	0.000000	0.064364
ENE	0.001437	0.005818	0.010411	0.003425	0.000137	0.000000	0.021048
E	0.002181	0.006507	0.004726	0.001027	0.000000	0.000000	0.014441
ESE	0.002033	0.004041	0.001507	0.000205	0.000000	0.000000	0.007788
SE	0.001949	0.003356	0.001575	0.000068	0.000000	0.000000	0.006949
SSE	0.001713	0.002055	0.001164	0.000342	0.000000	0.000000	0.005274
S	0.002665	0.007945	0.005685	0.002397	0.000000	0.000000	0.018692
SSW	0.001391	0.004452	0.007123	0.003356	0.000137	0.000068	0.016528
SW	0.003091	0.008288	0.019384	0.016507	0.002329	0.000068	0.049667
WSW	0.001843	0.008767	0.014726	0.014726	0.001301	0.000068	0.041432
W	0.001423	0.003342	0.004110	0.005137	0.000342	0.000068	0.018423
WNW	0.000926	0.002534	0.001849	0.001712	0.000137	0.000000	0.007158
NW	0.000919	0.001849	0.002055	0.003836	0.000068	0.000000	0.008727
NNW	0.001590	0.001986	0.002329	0.004932	0.000411	0.000000	0.011248
TOTAL	0.037466	0.109616	0.139726	0.099493	0.006644	0.000274	

RELATIVE FREQUENCY OF OCCURRENCE OF D STABILITY = 0.378219

RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH D STABILITY = 0.013616

	SPEED(KTS)						
DIRECTION	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21	TOTAL
N	0.000000	0.012192	0.008356	0.000000	0.000000	0.000000	0.020548
NNE	0.000000	0.012397	0.005342	0.000000	0.000000	0.000000	0.017740
NE	0.000000	0.005959	0.002945	0.000000	0.000000	0.000000	0.008904
ENE	0.000000	0.002123	0.001027	0.000000	0.000000	0.000000	0.003151
E	0.000000	0.002053	0.000068	0.000000	0.000000	0.000000	0.002123
ESE	0.000000	0.001438	0.000205	0.000000	0.000000	0.000000	0.001644
SE	0.000000	0.001781	0.000137	0.000000	0.000000	0.000000	0.001918
SSE	0.000000	0.002260	0.000068	0.000000	0.000000	0.000000	0.002329
S	0.000000	0.006575	0.000822	0.000000	0.000000	0.000000	0.007397
SSW	0.000000	0.003425	0.001575	0.000000	0.000000	0.000000	0.005000
SW	0.000000	0.007740	0.006986	0.000000	0.000000	0.000000	0.014726
WSW	0.000000	0.007260	0.005479	0.000000	0.000000	0.000000	0.012740
W	0.000000	0.005411	0.002945	0.000000	0.000000	0.000000	0.008356
WNW	0.000000	0.002877	0.001370	0.000000	0.000000	0.000000	0.004247
NW	0.000000	0.002534	0.002466	0.000000	0.000000	0.000000	0.005000
NNW	0.000000	0.002740	0.003836	0.000000	0.000000	0.000000	0.006575
TOTAL	0.000000	0.078767	0.043630	0.000000	0.000000	0.000000	

RELATIVE FREQUENCY OF OCCURRENCE OF E STABILITY = 0.122397

RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH E STABILITY = 0.000000

	SPEED(KTS)						
DIRECTION	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21	TOTAL
N	0.008878	0.021096	0.000000	0.000000	0.000000	0.000000	0.029974
NNE	0.005508	0.017671	0.000000	0.000000	0.000000	0.000000	0.023180
NE	0.004399	0.009589	0.000000	0.000000	0.000000	0.000000	0.013988
ENE	0.001679	0.003356	0.000000	0.000000	0.000000	0.000000	0.005036
E	0.002296	0.001781	0.000000	0.000000	0.000000	0.000000	0.004076
ESE	0.001702	0.002055	0.000000	0.000000	0.000000	0.000000	0.003757
SE	0.002661	0.001575	0.000000	0.000000	0.000000	0.000000	0.004236
SSE	0.002181	0.002055	0.000000	0.000000	0.000000	0.000000	0.004236
S	0.005220	0.006849	0.000000	0.000000	0.000000	0.000000	0.012069
SSW	0.002616	0.005137	0.000000	0.000000	0.000000	0.000000	0.007753
SW	0.004524	0.009384	0.000000	0.000000	0.000000	0.000000	0.013908
WSW	0.004799	0.010548	0.000000	0.000000	0.000000	0.000000	0.015346
W	0.003696	0.008493	0.000000	0.000000	0.000000	0.000000	0.012189
WNW	0.002845	0.006507	0.000000	0.000000	0.000000	0.000000	0.009352
NW	0.002936	0.005616	0.000000	0.000000	0.000000	0.000000	0.008552
NNW	0.001977	0.005137	0.000000	0.000000	0.000000	0.000000	0.007114
TOTAL	0.057877	0.116849	0.000000	0.000000	0.000000	0.000000	

RELATIVE FREQUENCY OF OCCURRENCE OF * STABILITY = 0.174726

RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH * STABILITY = 0.025000

SPEED(KTS)

DIRECTION	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21	TOTAL
N	0.018437	0.000000	0.000000	0.000000	0.000000	0.000000	0.018437
NNE	0.007658	0.000000	0.000000	0.000000	0.000000	0.000000	0.007658
NE	0.005389	0.000000	0.000000	0.000000	0.000000	0.000000	0.005389
ENE	0.002836	0.000000	0.000000	0.000000	0.000000	0.000000	0.002836
E	0.001844	0.000000	0.000000	0.000000	0.000000	0.000000	0.001844
ESE	0.002269	0.000000	0.000000	0.000000	0.000000	0.000000	0.002269
SE	0.003404	0.000000	0.000000	0.000000	0.000000	0.000000	0.003404
SSE	0.002978	0.000000	0.000000	0.000000	0.000000	0.000000	0.002978
S	0.005531	0.000000	0.000000	0.000000	0.000000	0.000000	0.005531
SSW	0.005673	0.000000	0.000000	0.000000	0.000000	0.000000	0.005673
SW	0.009360	0.000000	0.000000	0.000000	0.000000	0.000000	0.009360
WSW	0.004964	0.000000	0.000000	0.000000	0.000000	0.000000	0.004964
W	0.006524	0.000000	0.000000	0.000000	0.000000	0.000000	0.006524
WNW	0.006524	0.000000	0.000000	0.000000	0.000000	0.000000	0.006524
NW	0.004666	0.000000	0.000000	0.000000	0.000000	0.000000	0.004666
NNW	0.006382	0.000000	0.000000	0.000000	0.000000	0.000000	0.006382
TOTAL	0.096438	0.000000	0.000000	0.000000	0.000000	0.000000	

RELATIVE FREQUENCY OF OCCURRENCE OF G STABILITY = 0.096438

RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH G STABILITY = 0.049868

	SPEED(KTS)						
DIRECTION	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21	TOTAL
N	0.034721	0.034178	0.025948	0.010000	0.000890	0.000000	0.123338
NNE	0.023149	0.031579	0.033131	0.007336	0.000068	0.000000	0.113478
NE	0.018681	0.038247	0.040000	0.013000	0.000822	0.000000	0.110750
ENE	0.008650	0.013685	0.017397	0.004178	0.000137	0.000000	0.046047
E	0.011142	0.017945	0.008356	0.001301	0.000000	0.000000	0.038744
ESE	0.010231	0.012055	0.004178	0.000205	0.000000	0.000000	0.026670
SE	0.010004	0.010479	0.002945	0.000137	0.000000	0.000000	0.023565
SSE	0.008451	0.009247	0.002534	0.000342	0.000000	0.000000	0.020575
S	0.018454	0.028904	0.011184	0.002740	0.000000	0.000000	0.061282
SSW	0.011199	0.014980	0.013904	0.004247	0.000137	0.000068	0.044542
SW	0.019028	0.033082	0.039384	0.018356	0.002397	0.000068	0.112316
WSW	0.013406	0.024247	0.032329	0.016781	0.001507	0.000068	0.100337
W	0.014052	0.026098	0.012877	0.005548	0.000342	0.000068	0.058984
WNW	0.011378	0.016370	0.004932	0.002055	0.000137	0.000000	0.039063
NW	0.010773	0.013562	0.007671	0.004247	0.000068	0.000000	0.036321
NNW	0.010651	0.013356	0.009452	0.005137	0.000411	0.000000	0.039007
TOTAL	0.236164	0.343013	0.265822	0.097808	0.006918	0.000274	

TOTAL RELATIVE FREQUENCY OF OBSERVATIONS = 1.000000

TOTAL RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE = 0.103219

Table 2-26. Joint Frequencies of Wind Direction and Speed by Stability Class (March 1970 - March 1972)

["HISTORICAL INFORMATION NOT REQUIRED TO BE REVISED."]

OCONEE METEOROLOGICAL SURVEY TOWER DATA — FOR PERIOD OF MAR. 15,1970 THRU MAR. 14,1972

SUMMARY OF PASQUILL A — WIND OCCURRENCES BY SECTOR + SPEED CLASS (NO. OCCURR,PERCENT) — DATE OF REPORT 5-16-72

WIND SECTOR	ITEM	SECTOR TOTAL	WIND SPEED CLASS 1.0-3.2 .45-1.49	3.3-5.5 1.5-2.69	5.6-7.8 2.5-3.49	7.9-10.0 3.5-4.49	10.1-12.3 4.5-5.49	12.4-14.5 5.5-6.49	14.6-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.1-21.2 8.5-9.49	>21.2 MPH >=9.5 M/S
360.0 -N-	NO	132	15	68	35	8	4	0	2	0	0	0
	PCT	0.92	0.10	0.47	0.24	0.05	0.03	0.00	0.01	0.00	0.00	0.00
22.5 -NNE-	NO	99	5	48	26	10	5	3	4	0	0	0
	PCT	0.69	0.03	0.33	0.18	0.07	0.03	0.02	0.01	0.00	0.00	0.00
45.0 -NE-	NO	172	10	56	30	16	23	18	10	9	0	0
	PCT	1.20	0.07	0.39	0.21	0.11	0.16	0.13	0.07	0.06	0.00	0.00
67.5 -ENE-	NO	161	8	29	31	20	32	25	13	2	1	0
	PCT	1.12	0.05	0.20	0.22	0.14	0.22	0.17	0.09	0.01	0.01	0.00
90.0 -E-	NO	165	8	47	52	32	18	6	2	0	0	0
	PCT	1.15	0.05	0.33	0.36	0.22	0.13	0.04	0.01	0.00	0.00	0.00
112.5 -ESE-	NO	137	18	59	35	12	11	2	0	0	0	0
	PCT	0.96	0.13	0.41	0.24	0.08	0.08	0.01	0.00	0.00	0.00	0.00
135.0 -SE-	NO	255	15	76	81	50	22	8	2	1	0	0
	PCT	1.78	0.10	0.53	0.56	0.35	0.15	0.05	0.01	0.01	0.00	0.00
157.5 -SSE-	NO	200	5	31	63	52	31	12	4	2	0	0
	PCT	1.39	0.03	0.22	0.44	0.36	0.22	0.08	0.03	0.01	0.00	0.00
180.0 -S-	NO	270	11	49	64	56	45	27	14	2	2	0
	PCT	1.88	0.08	0.34	0.45	0.39	0.31	0.19	0.10	0.01	0.01	0.00
202.5 -SSW-	NO	374	4	53	105	86	67	32	18	8	0	1
	PCT	2.61	0.03	0.37	0.73	0.60	0.47	0.22	0.13	0.05	0.00	0.01
225.0 -SW-	NO	388	5	81	113	60	44	27	33	17	5	3
	PCT	2.71	0.03	0.56	0.79	0.42	0.31	0.19	0.23	0.12	0.03	0.02
247.5 -WSW-	NO	204	4	50	47	17	19	16	17	14	5	15
	PCT	1.42	0.03	0.35	0.33	0.12	0.13	0.11	0.12	0.10	0.03	0.10
270.0 -W-	NO	164	8	53	35	8	22	19	16	9	9	5
	PCT	1.28	0.05	0.37	0.24	0.05	0.15	0.13	0.11	0.06	0.06	0.03
292.5 -WNW-	NO	113	7	31	15	10	6	8	8	8	6	14
	PCT	0.79	0.05	0.22	0.10	0.07	0.04	0.05	0.05	0.05	0.04	0.10
315.0 -NW-	NO	123	14	41	15	12	3	6	9	4	5	14
	PCT	0.86	0.10	0.29	0.10	0.08	0.02	0.04	0.06	0.03	0.03	0.10
337.5 -NNW-	NO	84	12	38	21	4	4	2	2	0	1	0
	PCT	0.59	0.08	0.26	0.15	0.03	0.03	0.01	0.01	0.00	0.01	0.00
CALM	NO	0										
	PCT	0.00										
TOTAL	NO	3061	149	810	738	453	356	211	152	76	34	52
	PCT	21.36	1.04	5.65	5.36	3.16	2.48	1.47	1.06	0.53	0.24	0.36

TOTAL VALID OBSERVATIONS 14333

TOTAL OBSERVATIONS 17545

OCONEE METEOROLOGICAL SURVEY TOWER DATA — FOR PERIOD OF MAR. 15,1970 THRU MAR. 14,1972

SUMMARY OF PASQUILL B+C — WIND OCCURRENCES BY SECTOR + SPEED CLASS (NO. OCCURR.,PERCENT) — DATE OF REPORT 5-16-72

WIND SECTOR	ITEM	SECTOR TOTAL	WIND SPEED CLASS 1.0-3.2 .45-1.49	3.3-5.5 1.5-2.49	5.6-7.8 2.5-3.49	7.9-10.0 3.5-4.49	10.1-12.3 4.5-5.49	12.4-14.5 5.5-6.49	14.6-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.1-21.2 8.5-9.49	>21.2 >=9.5 MPH M/S
360.0 -N-	NO	20	3	8	3	4	0	0	2	0	0	0
	PCT	0.14	0.02	0.05	0.02	0.03	0.00	0.00	0.01	0.00	0.00	0.00
22.5 -NNE-	NO	34	6	8	8	2	2	5	2	1	0	0
	PCT	0.24	0.04	0.05	0.05	0.01	0.01	0.03	0.01	0.01	0.00	0.00
45.0 -NE-	NO	57	3	8	9	11	7	9	6	3	1	0
	PCT	0.40	0.02	0.05	0.06	0.08	0.05	0.06	0.04	0.02	0.01	0.00
67.5 -ENE-	NO	52	0	10	2	12	9	7	7	3	1	1
	PCT	0.36	0.00	0.07	0.01	0.08	0.06	0.05	0.05	0.02	0.01	0.01
90.0 -E-	NO	37	4	11	10	5	7	0	0	0	0	0
	PCT	0.26	0.03	0.08	0.07	0.03	0.05	0.00	0.00	0.00	0.00	0.00
112.5 -ESE-	NO	32	5	9	12	4	2	0	0	0	0	0
	PCT	0.22	0.03	0.06	0.08	0.03	0.01	0.00	0.00	0.00	0.00	0.00
135.0 -SE-	NO	51	11	16	11	9	4	0	0	0	0	0
	PCT	0.36	0.08	0.11	0.08	0.06	0.03	0.00	0.00	0.00	0.00	0.00
157.5 -SSE-	NO	40	1	11	12	7	6	2	1	0	0	0
	PCT	0.28	0.01	0.08	0.08	0.05	0.04	0.01	0.01	0.00	0.00	0.00
180.0 -S-	NO	48	5	9	6	8	10	4	3	2	0	1
	PCT	0.33	0.03	0.06	0.04	0.05	0.07	0.03	0.02	0.01	0.00	0.01
202.5 -SSW-	NO	74	2	13	12	14	11	5	10	5	2	0
	PCT	0.52	0.01	0.09	0.08	0.10	0.08	0.03	0.07	0.03	0.01	0.00
225.0 -SW-	NO	75	7	9	8	18	7	11	10	2	3	0
	PCT	0.52	0.05	0.06	0.05	0.13	0.05	0.08	0.07	0.01	0.02	0.00
247.5 -WSW-	NO	37	3	6	4	3	2	7	2	4	0	6
	PCT	0.26	0.02	0.04	0.03	0.02	0.01	0.05	0.01	0.03	0.00	0.04
270.0 -W-	NO	24	3	4	3	0	4	2	2	1	0	5
	PCT	0.17	0.02	0.03	0.02	0.00	0.03	0.01	0.01	0.01	0.00	0.03
292.5 -WNW-	NO	21	2	9	0	0	0	0	3	3	1	3
	PCT	0.15	0.01	0.06	0.00	0.00	0.00	0.00	0.02	0.02	0.01	0.02
315.0 -NW-	NO	28	4	8	2	1	3	2	0	2	1	5
	PCT	0.20	0.03	0.05	0.01	0.01	0.02	0.01	0.00	0.01	0.01	0.03
337.5 -NNW-	NO	26	4	8	8	3	1	0	0	0	0	2
	PCT	0.18	0.03	0.05	0.05	0.02	0.01	0.00	0.00	0.00	0.00	0.01
CALM	NO	0										
	PCT	0.00										
TOTAL	NO	656	63	147	110	101	75	54	48	26	9	23
	PCT	4.58	0.44	1.03	0.77	0.70	0.52	0.38	0.33	0.18	0.06	0.16

TOTAL VALID OBSERVATIONS 14333

TOTAL OBSERVATIONS 17545

OCONEE METEOROLOGICAL SURVEY TOWER DATA — FOR PERIOD OF MAR. 15,1970 THRU MAR. 14,1972
SUMMARY OF PASQUILL D — WIND OCCURRENCES BY SECTOR + SPEED CLASS (NO. OCCURR.,PERCENT) — DATE OF REPORT 5-16-72

WIND SECTOR	ITEM	SECTOR TOTAL	WIND SPEED CLASS 1.0-3.2 .45-1.49	3.3-5.5 1.5-2.49	5.6-7.8 2.5-3.49	7.9-10.0 3.5-4.49	10.1-12.3 4.5-5.49	12.4-14.5 5.5-6.49	14.6-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.1-21.2 8.5-9.49	>21.2 MPH >=9.5 M/S
360.0 -N-	NO	30	10	10	3	4	1	1	0	1	0	0
	PCT	0.21	0.07	0.07	0.02	0.03	0.01	0.01	0.00	0.01	0.00	0.00
22.5 -NNE-	NO	43	2	8	12	11	4	6	0	0	0	0
	PCT	0.30	0.01	0.05	0.08	0.08	0.03	0.04	0.00	0.00	0.00	0.00
45.0 -NE-	NO	95	7	10	18	9	18	19	11	2	1	0
	PCT	0.66	0.05	0.07	0.13	0.06	0.13	0.13	0.08	0.01	0.01	0.00
67.5 -ENE-	NO	55	4	7	10	12	13	6	0	3	0	0
	PCT	0.38	0.03	0.05	0.07	0.08	0.09	0.04	0.00	0.02	0.00	0.00
90.0 -E-	NO	63	6	20	14	8	9	4	1	1	0	0
	PCT	0.44	0.04	0.14	0.10	0.05	0.06	0.03	0.01	0.01	0.00	0.00
112.5 -ESE-	NO	26	4	12	7	3	0	0	0	0	0	0
	PCT	0.18	0.03	0.08	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00
135.0 -SE-	NO	35	7	12	7	7	2	0	0	0	0	0
	PCT	0.24	0.05	0.08	0.05	0.05	0.01	0.00	0.00	0.00	0.00	0.00
157.5 -SSE-	NO	43	6	14	10	8	3	1	1	0	0	0
	PCT	0.30	0.04	0.10	0.07	0.05	0.02	0.01	0.01	0.00	0.00	0.00
180.0 -S-	NO	44	4	7	7	4	7	9	3	3	0	0
	PCT	0.31	0.03	0.05	0.05	0.03	0.05	0.06	0.02	0.02	0.00	0.00
202.5 -SSW-	NO	65	3	9	16	8	14	9	4	1	1	0
	PCT	0.45	0.02	0.06	0111	0.05	0.10	0.06	0.03	0.01	0.01	0.00
225.0 -SW-	NO	98	2	23	25	13	9	14	11	1	0	0
	PCT	0.68	0.01	0.16	0.17	0.09	0.06	0.10	0.08	0.01	0.00	0.00
247.5 -WSW-	NO	38	5	10	2	2	5	8	2	1	0	3
	PCT	0.26	0.03	0.07	0.01	0.01	0.03	0.05	0.01	0.01	0.00	0.02
270.0 -W-	NO	51	8	10	3	5	4	6	5	3	0	7
	PCT	0.36	0.05	0.07	0.02	0.03	0.03	0.04	0.03	0.02	0.00	0.05
292.5 -WNW-	NO	24	2	6	2	1	1	2	0	3	1	6
	PCT	0.17	0.01	0.04	0.01	0.01	0.01	0.01	0.00	0.02	0.01	0.04
315.0 -NW-	NO	36	14	9	1	1	1	1	1	3	1	4
	PCT	0.25	0.10	0.06	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.03
337.5 -NNW-	NO	26	6	9	6	3	0	0	0	1	0	1
	PCT	0.18	0.04	0.06	0.04	0.02	0.00	0.00	0.00	0.01	0.00	0.01
CALM	NO	0										
	PCT	0.00										
TOTAL	NO	772	90	176	163	99	91	86	39	23	4	21
	PCT	5.38	0.63	1.23	1.00	0.69	0.63	0.60	0.27	0.16	0.03	0.15

TOTAL VALID OBSERVATIONS 14333 — TOTAL OBSERVATIONS 17345

OCONEE METEOROLOGICAL SURVEY TOWER DATA — FOR PERIOD OF MAR. 15,1970 THRU MAR. 14,1972

SUMMARY OF PASQUILL E — WIND OCCURRENCES BY SECTOR + SPEED CLASS (NO. OCCURR,PERCENT)

DATE OF REPORT 5-16-72

WIND SECTOR	ITEM	SECTOR TOTAL	WIND SPEED CLASS 1.0-3.2 .45-1.49	3.3-5.5 1.5-2.49	5.6-7.8 2.5-3.49	7.9-10.0 3.5-4.49	10.1-12.3 4.5-5.49	12.4-14.3 5.5-6.49	14.6-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.1-21.2 8.5-9.49	>21.2 >=9.5 MPH M/S
360.0 -N-	NO	391	50	135	129	49	19	4	3	0	0	2
	PCT	2.73	0.35	0.94	0.90	0.34	0.13	0.03	0.02	0.00	0.00	0.01
22.5 -NNE-	NO	392	35	92	126	64	44	21	4	6	0	0
	PCT	2.73	0.24	0.64	0.88	0.45	0.31	0.15	0.03	0.04	0.00	0.00
45.0 -NE-	NO	611	42	87	120	129	108	90	25	8	2	0
	PCT	4.26	0.29	0.61	0.84	0.90	0.75	0.63	0.17	0.05	0.01	0.00
67.5 -ENE-	NO	390	30	84	93	92	39	27	15	9	1	0
	PCT	2.72	0.21	0.59	0.65	0.64	0.27	0.19	0.10	0.06	0.01	0.00
90.0 -E-	NO	313	33	92	106	46	24	8	2	0	2	0
	PCT	2.18	0.23	0.64	0.74	0.32	0.17	0.05	0.01	0.00	0.01	0.00
112.5 -ESE-	NO	165	34	56	47	11	13	2	2	0	0	0
	PCT	1.15	0.24	0.39	0.33	0.08	0.09	0.01	0.01	0.00	0.00	0.00
135.0 -SE-	NO	182	39	57	42	21	17	3	2	0	1	0
	PCT	1.27	0.27	0.40	0.29	0.15	0.12	0.02	0.01	0.00	0.01	0.00
157.5 -SSE-	NO	166	21	43	44	35	20	2	1	0	0	0
	PCT	1.16	0.15	0.30	0.31	0.24	0.14	0.01	0.01	0.00	0.00	0.00
180.0 -S-	NO	217	31	36	58	38	25	19	7	2	1	0
	PCT	1.51	0.22	0.25	0.40	0.26	0.17	0.13	0.05	0.01	0.01	0.00
202.5 -SSW-	NO	401	18	64	75	82	73	49	28	12	0	0
	PCT	2.80	0.13	0.45	0.52	0.57	0.51	0.34	0.20	0.08	0.00	0.00
225.0 -SW-	NO	570	35	94	100	84	87	93	60	15	2	0
	PCT	3.98	0.24	0.65	0.70	0.59	0.61	0.65	0.42	0.10	0.01	0.00
247.5 -WSW-	NO	363	20	54	62	51	69	57	24	11	3	12
	PCT	2.53	0.14	0.38	0.43	0.36	0.48	0.40	0.17	0.08	0.02	0.08
270.0 -W-	NO	364	39	79	37	26	33	52	32	28	16	22
	PCT	2.54	0.27	0.55	0.26	0.18	0.23	0.36	0.22	0.20	0.11	0.15
292.5 -WNW-	NO	206	22	36	18	16	15	15	25	15	16	28
	PCT	1.44	0.15	0.25	0.13	0.11	0.10	0.10	0.17	0.10	0.11	0.20
315.0 -NW-	NO	275	36	82	50	24	15	15	8	21	5	19
	PCT	1.92	0.25	0.57	0.35	0.17	0.10	0.10	0.05	0.15	0.03	0.13
337.5 -NNW-	NO	233	38	89	55	19	14	8	4	0	0	6
	PCT	1.63	0.26	0.62	0.38	0.13	0.10	0.05	0.03	0.00	0.00	0.04
CALM	NO	17										
	PCT	0.12										
TOTAL	NO	5239	523	1180	1182	787	615	465	242	127	49	89
	PCT	36.55	3.65	8.23	8.11	5.49	4.29	3.24	1.69	0.89	0.34	0.62

TOTAL VALID OBSERVATIONS 14333

TOTAL OBSERVATIONS 17565

OCONEE METEOROLOGICAL SURVEY TOWER DATA — FOR PERIOD OF MAR. 15,1970 THRU MAR. 14,1972

SUMMARY OF PASQUILL F — WIND OCCURRENCES BY SECTOR + SPEED CLASS (NO. OCCURR,PERCENT)

DATE OF REPORT 5-16-72

WIND SECTOR	ITEM	SECTOR TOTAL	WIND SPEED CLASS 1.0-3.2 .45-1.49	3.3-5.5 1.5-2.49	5.6-7.8 2.5-3.49	7.9-10.0 3.5-4.49	10.1-12.3 4.5-5.49	12.4-14.5 5.5-6.49	14.6-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.1-21.2 8.5-9.49	>21.2 >=9.5 MPH M/S
360.0 -N-	NO	384	38	160	150	30	6	0	0	0	0	0
	PCT	2.68	0.26	1.12	1.05	0.21	0.04	0.00	0.00	0.00	0.00	0.00
22.5 -NNE-	NO	213	24	93	76	16	1	2	1	0	0	0
	PCT	1.48	0.17	0.65	0.53	0.11	0.01	0.01	0.01	0.00	0.00	0.00
45.0 -NE-	NO	170	23	83	45	12	4	2	1	0	0	0
	PCT	1.19	0.16	0.58	0.31	0.08	0.03	0.01	0.01	0.00	0.00	0.00
67.5 -ENE-	NO	106	12	50	31	5	5	0	1	0	1	1
	PCT	0.74	0.08	0.35	0.22	0.03	0.03	0.00	0.01	0.00	0.01	0.01
90.0 -E-	NO	88	19	30	31	5	3	0	0	0	0	0
	PCT	0.61	0.13	0.21	0.22	0.03	0.02	0.00	0.00	0.00	0.00	0.00
112.5 -ESE-	NO	53	11	25	12	4	1	0	0	0	0	0
	PCT	0.37	0.08	0.17	0.08	0.03	0.01	0.00	0.00	0.00	0.00	0.00
135.0 -SE-	NO	84	9	33	26	13	3	0	0	0	0	0
	PCT	0.59	0.06	0.23	0.18	0.09	0.02	0.00	0.00	0.00	0.00	0.00
157.5 -SSE-	NO	84	10	26	26	17	5	0	0	0	0	0
	PCT	0.59	0.07	0.18	0.18	0.12	0.03	0.00	0.00	0.00	0.00	0.00
180.0 -S-	NO	108	14	27	26	14	21	6	0	0	0	0
	PCT	0.75	0.10	0.19	0.18	0.10	0.15	0.04	0.00	0.00	0.00	0.00
202.5 -SSW-	NO	124	8	31	35	24	12	9	3	1	1	0
	PCT	0.86	0.05	0.22	0.24	0.17	0.08	0.06	0.02	0.01	0.01	0.00
225.0 -SW-	NO	173	16	49	32	35	24	15	1	0	0	1
	PCT	1.21	0.11	0.34	0.22	0.24	0.17	0.10	0.01	0.00	0.00	0.01
247.5 -WSW-	NO	142	13	40	29	30	14	6	0	2	0	0
	PCT	0.99	0.09	0.28	0.20	0.21	0.10	0.04	0.05	0.01	0.00	0.00
270.0 -W-	NO	185	34	58	29	20	15	10	11	6	2	0
	PCT	1.29	0.24	0.40	0.20	0.14	0.10	0.07	0.08	0.04	0.01	0.00
292.5 -WNW-	NO	159	23	67	29	16	10	6	5	1	2	0
	PCT	1.11	0.16	0.47	0.20	0.11	0.07	0.04	0.03	0.01	0.01	0.00
315.0 -NW-	NO	246	39	123	50	19	6	4	1	2	1	1
	PCT	1.72	0.27	0.86	0.35	0.13	0.04	0.03	0.01	0.01	0.01	0.01
337.5 -NNW-	NO	337	38	155	104	30	5	4	1	0	0	0
	PCT	2.35	0.26	1.08	0.72	0.21	0.03	0.03	0.01	0.00	0.00	0.00
CALM	NO	3										
	PCT	0.02										
TOTAL	NO	2656	331	1050	731	290	135	64	33	12	7	3
	PCT	18.53	2.31	7.33	5.10	2.02	0.94	0.45	0.23	0.08	0.05	0.02

TOTAL VALID OBSERVATIONS 14333

TOTAL OBSERVATIONS 17545

OCONEE METEOROLOGICAL SURVEY TOWER DATA — FOR PERIOD OF MAR. 15,1970 THRU MAR. 14,1972

SUMMARY OF PASQUILL G — WIND OCCURRENCES BY SECTOR + SPEED CLASS (NO. OCCURR,PERCENT)

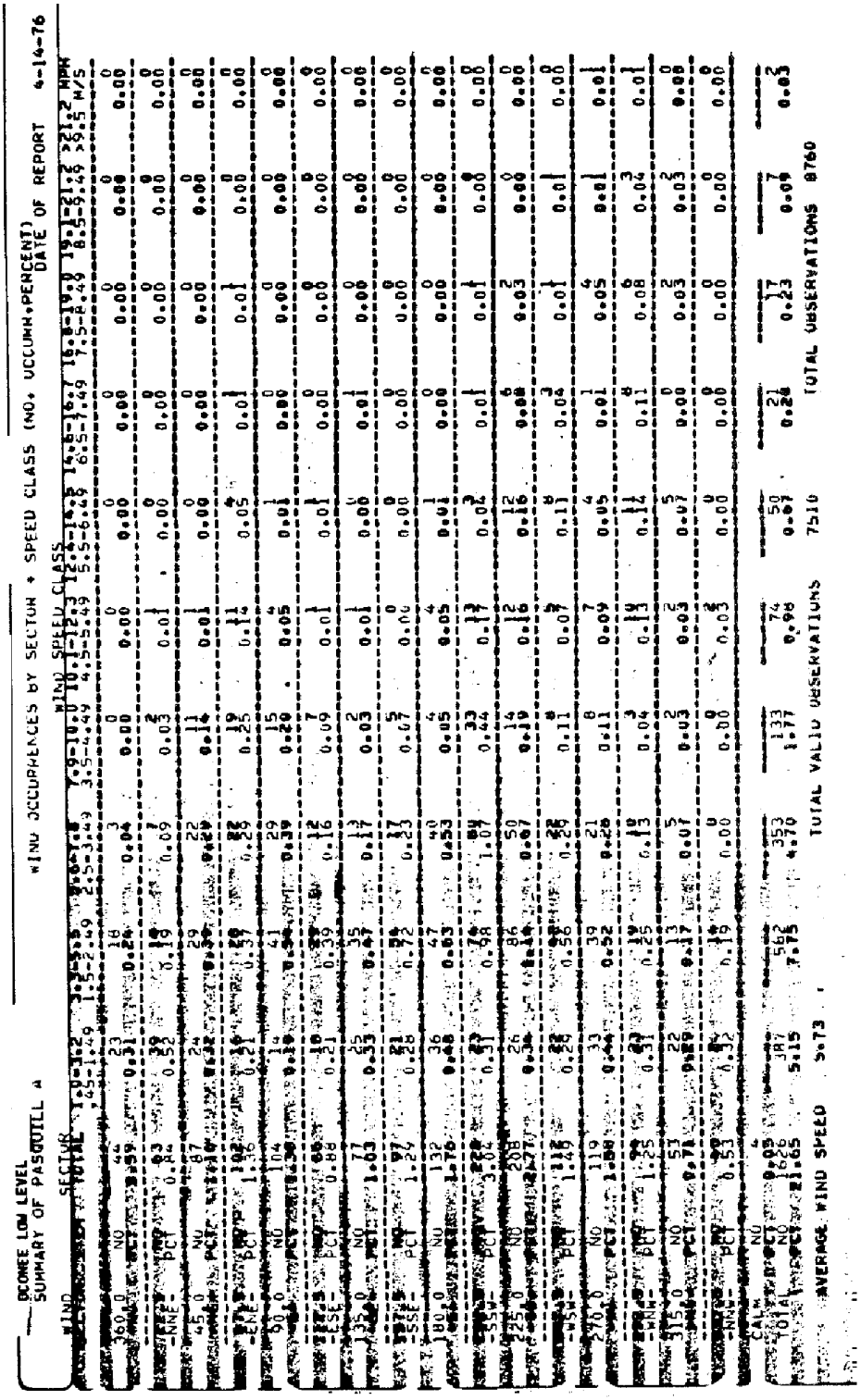
DATE OF REPORT 5-16-72

WIND SECTOR	ITEM	SECTOR TOTAL	WIND SPEED CLASS 1.0-3.2 .45-1.49	3.3-5.5 1.5-2.49	5.6-7.8 2.5-3.49	7.9-10.0 3.5-4.49	10.1-12.3 4.5-5.49	12.4-14.5 5.5-6.49	14.6-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.1-21.2 8.5-9.49	>21.2 >=9.5 MPH M/S
360.0 -N-	NO	370	35	144	139	46	6	0	0	0	0	0
	PCT	2.58	0.24	1.00	0.97	0.32	0.04	0.00	0.00	0.00	0.00	0.00
22.5 -NNE-	NO	143	28	69	38	8	0	0	0	0	0	0
	PCT	1.00	0.20	0.48	0.26	0.05	0.00	0.00	0.00	0.00	0.00	0.00
45.0 -NE-	NO	97	18	41	27	8	2	1	0	0	0	0
	PCT	0.68	0.13	0.29	0.19	0.05	0.01	0.01	0.00	0.00	0.00	0.00
67.5 -ENE-	NO	72	10	31	18	11	2	0	0	0	0	0
	PCT	0.50	0.07	0.22	0.13	0.08	0.01	0.00	0.00	0.00	0.00	0.00
90.0 -E-	NO	55	7	27	13	5	1	2	0	0	0	0
	PCT	0.38	0.05	0.19	0.09	0.03	0.01	0.01	0.00	0.00	0.00	0.00
112.5 -ESE-	NO	31	6	14	7	1	2	1	0	0	0	0
	PCT	0.22	0.04	0.10	0.05	0.01	0.01	0.01	0.00	0.00	0.00	0.00
135.0 -SE-	NO	102	11	36	39	14	2	0	0	0	0	0
	PCT	0.71	0.08	0.25	0.27	0.10	0.01	0.00	0.00	0.00	0.00	0.00
157.5 -SSE-	NO	65	11	22	23	8	1	0	0	0	0	0
	PCT	0.45	0.08	0.15	0.16	0.05	0.01	0.00	0.00	0.00	0.00	0.00
180.0 -S-	NO	55	8	18	17	10	1	1	0	0	0	0
	PCT	0.38	0.05	0.13	0.12	0.07	0.01	0.01	0.00	0.00	0.00	0.00
202.5 -SSW-	NO	64	11	23	18	10	2	0	0	0	0	0
	PCT	0.45	0.08	0.16	0.13	0.07	0.01	0.00	0.00	0.00	0.00	0.00
225.0 -SW-	NO	142	19	42	46	25	8	1	0	1	0	0
	PCT	0.99	0.13	0.29	0.32	0.17	0.05	0.01	0.00	0.01	0.00	0.00
247.5 -WSW-	NO	111	23	40	29	10	5	3	0	0	0	1
	PCT	0.77	0.16	0.28	0.20	0.07	0.03	0.02	0.00	0.00	0.00	0.01
270.0 -W-	NO	99	18	37	24	10	5	2	2	1	0	0
	PCT	0.69	0.13	0.26	0.17	0.07	0.03	0.01	0.01	0.01	0.00	0.00
292.5 -WNW-	NO	110	26	52	19	4	4	3	2	0	0	0
	PCT	0.77	0.18	0.36	0.13	0.03	0.03	0.02	0.01	0.00	0.00	0.00
315.0 -NW-	NO	168	35	80	37	8	4	3	0	1	0	0
	PCT	1.17	0.24	0.56	0.26	0.05	0.03	0.02	0.00	0.01	0.00	0.00
337.5 -NNW-	NO	242	33	100	77	26	4	1	0	0	0	1
	PCT	1.69	0.23	0.70	0.54	0.18	0.03	0.01	0.00	0.00	0.00	0.01
CALM	NO	3										
	PCT	0.02										
TOTAL	NO	1926	299	776	571	204	49	18	4	3	0	2
	PCT	13.44	2.09	5.41	3.98	1.42	0.34	0.13	0.03	0.02	0.00	0.01

TOTAL VALID OBSERVATIONS 14333 — TOTAL OBSERVATIONS 17545

Table 2-27. Joint Frequency Tables of Wind Direction and Speed by Atmospheric Stability - Low and High Level (January 1975 - December 1975)

["HISTORICAL INFORMATION NOT REQUIRED TO BE REVISED."]



OCONEE LOW LEVEL
SUMMARY OF PASQUILL A
WIND OCCURRENCES BY SECTOR + SPEED CLASS (NO. OCCURRENCE)
DATE OF REPORT 4-14-76

WIND SPEED CLASS

WIND SECTOR		1.0-3.2 .45-1.49	3.2-5.5 1.5-2.49	5.5-7.8 2.5-3.49	7.8-10.0 3.5-4.49	10.1-12.3 4.5-5.49	12.4-14.6 5.5-6.49	14.8-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.1-21.2 8.5-9.49	>21.2 MPH >9.5 M/S
360.0	NO	44	23	18	3	0	0	0	0	0	0
	PCT	0.31	0.16	0.13	0.02	0.00	0.00	0.00	0.00	0.00	0.00
NNE	NO	59	39	29	7	1	0	0	0	0	0
	PCT	0.42	0.28	0.21	0.05	0.01	0.00	0.00	0.00	0.00	0.00
45.0	NO	87	24	22	11	1	0	0	0	0	0
	PCT	0.62	0.17	0.16	0.08	0.01	0.00	0.00	0.00	0.00	0.00
ENE	NO	102	39	19	4	1	0	0	0	0	0
	PCT	0.73	0.28	0.14	0.03	0.01	0.00	0.00	0.00	0.00	0.00
90.0	NO	104	41	15	4	1	0	0	0	0	0
	PCT	0.74	0.29	0.11	0.03	0.01	0.00	0.00	0.00	0.00	0.00
ESE	NO	88	29	7	1	1	0	0	0	0	0
	PCT	0.63	0.21	0.05	0.01	0.01	0.00	0.00	0.00	0.00	0.00
135.0	NO	77	35	13	2	1	0	0	0	0	0
	PCT	0.55	0.25	0.09	0.01	0.01	0.00	0.00	0.00	0.00	0.00
SSE	NO	97	41	17	5	0	0	0	0	0	0
	PCT	0.69	0.29	0.12	0.04	0.00	0.00	0.00	0.00	0.00	0.00
180.0	NO	132	47	40	4	1	0	0	0	0	0
	PCT	0.94	0.33	0.28	0.03	0.01	0.00	0.00	0.00	0.00	0.00
SSW	NO	176	63	33	13	3	1	0	0	0	0
	PCT	1.25	0.45	0.23	0.09	0.02	0.01	0.00	0.00	0.00	0.00
225.0	NO	208	86	50	14	12	12	6	2	0	0
	PCT	1.48	0.61	0.35	0.10	0.09	0.09	0.04	0.01	0.00	0.00
WSW	NO	118	39	21	8	7	4	1	4	1	1
	PCT	0.84	0.28	0.15	0.06	0.05	0.03	0.01	0.03	0.01	0.01
270.0	NO	119	33	21	8	4	3	4	6	3	1
	PCT	0.85	0.24	0.15	0.06	0.03	0.02	0.03	0.04	0.02	0.01
WNW	NO	175	62	19	3	3	3	1	2	2	0
	PCT	1.25	0.44	0.13	0.02	0.02	0.02	0.01	0.01	0.01	0.00
315.0	NO	153	53	22	5	2	5	0	2	2	0
	PCT	1.09	0.38	0.16	0.04	0.01	0.04	0.00	0.01	0.01	0.00
NW	NO	126	53	13	2	1	1	0	0	0	0
	PCT	0.90	0.38	0.09	0.01	0.01	0.01	0.00	0.00	0.00	0.00
NNW	NO	93	37	9	0	0	0	0	0	0	0
	PCT	0.66	0.26	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CALM	NO	4									
	PCT	0.03									
TOTAL	NO	2826	967	562	133	74	50	21	17	7	2
	PCT	20.15	6.89	4.01	0.95	0.53	0.36	0.15	0.12	0.05	0.01

AVERAGE WIND SPEED = 3.73 TOTAL VALID OBSERVATIONS 7510 TOTAL OBSERVATIONS 8760

OCONEE LOW LEVEL
SUMMARY OF PASQUILL C — FOR 1975

WIND OCCURRENCES BY SECTOR + SPEED CLASS (NO. OCCURR.,PERCENT) DATE OF REPORT 4-14-76

WIND SECTOR	ITEM	TOTAL	WIND SPEED CLASS 1.0-3.2 (1.45-1.49)	3.3-5.5 (2.5-3.4)	5.6-7.8 (3.5-4.49)	7.9-10.0 (4.5-5.49)	10.1-12.3 (5.5-6.49)	12.4-14.5 (6.5-7.49)	14.6-16.7 (7.5-8.49)	16.8-19.0 (8.5-9.49)	19.1-21.2 (9.5-10.49)	>21.2 MPH >9.5 M/S
360.0 -N-	NO	25	12	13	0	0	0	0	0	0	0	0
	PCT	0.37	0.16	0.17	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
22.5 -NNE-	NO	16	8	4	2	0	0	0	0	0	0	1
	PCT	0.24	0.11	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01
45.0 -NE-	NO	27	6	5	2	5	7	1	0	0	0	0
	PCT	0.36	0.07	0.08	0.03	0.07	0.01	0.00	0.00	0.00	0.00	0.00
67.5 -ENE-	NO	34	7	7	7	9	9	0	0	0	0	0
	PCT	0.45	0.09	0.09	0.09	0.12	0.00	0.00	0.00	0.00	0.00	0.00
90.0 -E-	NO	29	3	13	10	1	1	1	0	0	0	0
	PCT	0.39	0.04	0.17	0.13	0.01	0.01	0.01	0.00	0.00	0.00	0.00
112.5 -ESE-	NO	19	2	4	1	2	1	0	0	0	0	0
	PCT	0.13	0.03	0.05	0.01	0.03	0.01	0.00	0.00	0.00	0.00	0.00
135.0 -SE-	NO	26	5	16	2	0	0	0	0	0	0	0
	PCT	0.35	0.11	0.21	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5 -SSE-	NO	29	10	8	7	3	1	0	0	0	0	0
	PCT	0.39	0.13	0.11	0.09	0.04	0.01	0.00	0.00	0.00	0.00	0.00
180.0 -S-	NO	27	5	11	4	3	4	0	0	0	0	0
	PCT	0.36	0.07	0.14	0.05	0.04	0.05	0.00	0.00	0.00	0.00	0.00
202.5 -SSW-	NO	55	8	14	14	7	7	0	0	0	0	0
	PCT	0.73	0.11	0.19	0.19	0.09	0.09	0.00	0.00	0.00	0.00	0.00
225.0 -SW-	NO	43	7	11	6	4	5	3	0	0	1	0
	PCT	0.57	0.12	0.14	0.11	0.05	0.07	0.05	0.00	0.00	0.01	0.00
247.5 -WSW-	NO	29	12	7	4	2	2	2	0	0	0	0
	PCT	0.39	0.16	0.09	0.05	0.03	0.03	0.03	0.00	0.00	0.00	0.00
270.0 -W-	NO	29	5	5	1	2	1	2	1	1	1	1
	PCT	0.27	0.07	0.07	0.01	0.03	0.01	0.03	0.01	0.01	0.01	0.01
292.5 -WNW-	NO	17	4	4	1	1	0	3	3	1	1	1
	PCT	0.23	0.05	0.05	0.01	0.01	0.00	0.04	0.04	0.01	0.01	0.01
315.0 -NW-	NO	17	4	4	1	2	2	2	2	0	0	0
	PCT	0.23	0.05	0.05	0.01	0.03	0.03	0.03	0.03	0.00	0.00	0.00
337.5 -NNW-	NO	3	2	1	0	0	0	0	0	0	0	0
	PCT	0.04	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CALM	NO	1										
	PCT	0.01										
TOTAL	NO	412	100	125	70	36	36	14	6	3	3	3
	PCT	5.49	1.38	1.66	1.01	0.51	0.51	0.21	0.08	0.04	0.04	0.04

AVERAGE WIND SPEED 6.14 — TOTAL VALID OBSERVATIONS 7510 — TOTAL OBSERVATIONS 8760

OCONEE LOW LEVEL
SUMMARY OF PASQUILL D

#100 OCCURRENCES BY SECTOR + SPEED CLASS (NO. OCCURR.+PERCENT)
FOR 1975
DATE OF REPORT 4-14-76

WIND SECTOR	ITEM	TOTAL	1.0-3.2 .45-1.49	3.3-5.5 1.5-2.49	5.6-7.8 2.5-3.49	7.9-10.0 3.5-4.49	10.1-12.3 4.5-5.49	12.4-14.5 5.5-6.49	14.6-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.1-21.2 8.5-9.49	>21.2 MPH >9.5 M/S
			INV SPEED CLASS									
360.0 -N-	NO	61	31	17	9	1	0	1	1	0	0	0
	PCT	0.81	0.41	0.23	0.12	0.01	0.00	0.01	0.01	0.00	0.00	0.00
22.5 -NNE-	NO	53	22	17	12	2	0	0	0	0	0	0
	PCT	0.71	0.29	0.23	0.16	0.03	0.00	0.00	0.00	0.00	0.00	0.00
45.0 -NE-	NO	116	31	36	21	6	6	0	0	0	0	0
	PCT	1.54	0.41	0.48	0.28	0.08	0.08	0.00	0.00	0.00	0.00	0.00
67.5 -ENE-	NO	109	29	38	23	9	2	4	0	0	0	0
	PCT	1.45	0.39	0.51	0.31	0.12	0.03	0.05	0.00	0.00	0.00	0.00
90.0 -E-	NO	81	38	24	5	2	1	0	0	0	0	0
	PCT	1.08	0.51	0.32	0.07	0.03	0.01	0.00	0.00	0.00	0.00	0.00
112.5 -ESE-	NO	43	23	11	1	0	1	0	0	0	0	0
	PCT	0.57	0.31	0.14	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00
135.0 -SE-	NO	57	28	11	2	0	0	0	0	0	0	0
	PCT	0.76	0.37	0.14	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5 -SSE-	NO	52	23	10	4	0	0	0	0	0	0	0
	PCT	0.69	0.31	0.13	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0 -S-	NO	80	32	26	6	1	0	0	0	1	0	0
	PCT	1.07	0.43	0.34	0.08	0.01	0.01	0.00	0.00	0.01	0.00	0.00
202.5 -SSW-	NO	96	17	26	24	14	10	3	0	1	0	1
	PCT	1.28	0.23	0.34	0.32	0.19	0.13	0.04	0.00	0.01	0.00	0.01
225.0 -SW-	NO	139	34	37	25	12	5	4	0	0	0	0
	PCT	1.85	0.45	0.49	0.33	0.16	0.07	0.05	0.00	0.00	0.00	0.00
247.5 -WSW-	NO	72	18	29	6	4	5	4	0	0	0	1
	PCT	0.96	0.24	0.37	0.08	0.05	0.07	0.05	0.00	0.00	0.00	0.01
270.0 -W-	NO	86	15	7	6	13	2	3	3	1	1	2
	PCT	1.15	0.20	0.09	0.08	0.17	0.03	0.04	0.04	0.01	0.01	0.03
292.5 -WNW-	NO	55	9	1	3	8	6	4	3	3	3	1
	PCT	0.73	0.12	0.01	0.04	0.11	0.08	0.05	0.04	0.04	0.04	0.01
315.0 -NW-	NO	43	12	3	2	7	5	4	0	1	0	0
	PCT	0.57	0.16	0.04	0.03	0.09	0.07	0.05	0.01	0.00	0.00	0.00
337.5 -NNW-	NO	49	26	2	1	1	0	0	0	0	0	0
	PCT	0.65	0.34	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
CALM	NO	4										
	PCT	0.05										
TOTAL	NO	1142	430	323	172	166	68	47	22	9	4	5
	PCT	15.87	5.33	4.23	2.62	1.62	0.90	0.63	0.29	0.12	0.05	0.07

AVERAGE WIND SPEED 6.07 TOTAL VALID OBSERVATIONS 7510 TOTAL OBSERVATIONS 8760

OCONEE LOW LEVEL
SUMMARY OF PASQUILL E

WIND OCCURRENCES BY SECTION + SPEED CLASS (NO. OCCURR.,PERCENT)
FOR 1975
DATE OF REPORT 4-14-76

WIND SECTOR	ITEM	SECTION TOTAL	WIND SPEED CLASS 1.0-3.2 1.5-2.49	3.3-5.5 2.5-3.49	5.6-7.8 3.5-4.49	7.9-10.0 4.5-5.49	10.1-12.2 5.5-6.49	12.3-14.5 6.5-7.49	14.6-16.7 7.5-8.49	16.8-19.0 8.5-9.49	19.1-21.2 9.5-10.49	>21.2 >10.5 MPH M/S
360.0 -N-	NO	194	60	95	30	7	2	0	0	0	0	0
	PCT	2.58	0.80	1.26	0.40	0.09	0.03	0.00	0.00	0.00	0.00	0.00
22.5 -NNE-	NO	117	38	47	24	5	3	0	0	0	0	0
	PCT	1.56	0.51	0.63	0.32	0.07	0.04	0.00	0.00	0.00	0.00	0.00
45.0 -NE-	NO	179	54	57	59	38	6	0	0	0	0	0
	PCT	2.38	0.72	0.76	0.78	0.50	0.08	0.00	0.00	0.00	0.00	0.00
67.5 -ENE-	NO	124	22	42	31	21	5	1	2	0	0	0
	PCT	1.65	0.29	0.56	0.41	0.28	0.07	0.01	0.03	0.00	0.00	0.00
90.0 -E-	NO	84	18	40	20	3	1	1	0	0	0	1
	PCT	1.12	0.24	0.53	0.27	0.04	0.01	0.01	0.00	0.00	0.00	0.01
112.5 -ESE-	NO	44	14	21	7	2	0	0	0	0	0	0
	PCT	0.59	0.19	0.28	0.09	0.03	0.00	0.00	0.00	0.00	0.00	0.00
135.0 -SE-	NO	54	16	26	11	0	0	0	0	0	0	0
	PCT	0.72	0.21	0.34	0.14	0.00	0.00	0.00	0.00	0.00	0.01	0.00
157.5 -SSE-	NO	97	44	34	31	7	0	0	0	1	0	0
	PCT	1.29	0.32	0.45	0.41	0.09	0.00	0.00	0.00	0.01	0.00	0.00
180.0 -S-	NO	111	24	37	34	10	4	1	1	0	0	0
	PCT	1.48	0.32	0.49	0.45	0.13	0.05	0.01	0.01	0.00	0.00	0.00
202.5 -SSW-	NO	113	23	29	27	17	13	4	0	0	0	0
	PCT	1.50	0.31	0.39	0.36	0.23	0.17	0.05	0.00	0.00	0.00	0.00
225.0 -SW-	NO	162	16	39	41	36	17	8	2	0	0	1
	PCT	2.16	0.24	0.52	0.54	0.48	0.23	0.11	0.03	0.00	0.00	0.01
247.5 -WSW-	NO	127	25	37	27	15	11	10	1	0	1	0
	PCT	1.69	0.33	0.49	0.36	0.20	0.14	0.13	0.01	0.00	0.01	0.00
270.0 -W-	NO	133	23	43	21	11	16	12	4	0	2	1
	PCT	1.77	0.31	0.57	0.28	0.14	0.21	0.16	0.05	0.00	0.03	0.01
292.5 -WNW-	NO	115	26	29	13	7	7	8	7	3	1	1
	PCT	1.53	0.34	0.39	0.17	0.09	0.09	0.11	0.12	0.04	0.01	0.01
315.0 -NW-	NO	100	38	29	5	9	12	6	1	0	0	0
	PCT	1.33	0.51	0.39	0.07	0.12	0.16	0.08	0.01	0.00	0.00	0.00
337.5 -NNW-	NO	146	37	45	15	6	3	0	0	0	0	0
	PCT	1.91	0.49	0.60	0.20	0.08	0.04	0.00	0.00	0.00	0.00	0.00
CALM	NO	6										
	PCT	0.08										
TOTAL	NO	1860	434	641	395	206	100	51	20	4	5	4
	PCT	24.77	5.78	8.53	5.26	2.74	1.33	0.68	0.27	0.05	0.07	0.05

AVERAGE WIND SPEED 5.72 TOTAL VALID OBSERVATIONS 7510 TOTAL OBSERVATIONS 8760

OCONEE LOW LEVEL
SUMMARY OF PASQUILL A

WIND OCCURRENCES BY SECTOR + SPEED CLASS (NO. OCCURR.+PERCENT)
FOR 1975
DATE OF REPORT 4-14-76

WIND SECTOR	ITEM	TOTAL	1.0-3.2 .45-1.44	3.3-5.5 1.45-2.44	5.6-7.8 2.45-3.44	7.9-10.0 3.45-4.44	10.1-12.2 4.45-5.44	12.4-14.5 5.5-6.49	14.6-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.1-21.2 8.5-9.49	21.2 MPH 9.5 M/S
360.0 -NNW	NO	314	127	145	36	5	1	0	0	0	0	0
	PCT	4.18	1.69	1.93	0.48	0.07	0.01	0.00	0.00	0.00	0.00	0.00
22.5 -NNE	NO	116	42	43	27	4	0	0	0	0	0	0
	PCT	1.54	0.56	0.57	0.36	0.05	0.00	0.00	0.00	0.00	0.00	0.00
45.0 -NE	NO	191	37	96	56	10	13	3	0	0	0	0
	PCT	2.54	0.49	0.74	0.69	0.40	0.17	0.04	0.00	0.00	0.00	0.00
67.5 -ENE	NO	105	18	32	23	26	4	2	0	0	0	0
	PCT	1.40	0.24	0.43	0.31	0.34	0.05	0.03	0.00	0.00	0.00	0.00
90.0 -E	NO	75	14	36	13	8	4	1	0	0	0	0
	PCT	1.00	0.19	0.48	0.17	0.08	0.05	0.01	0.00	0.00	0.01	0.00
112.5 -ESE	NO	55	22	18	9	4	0	1	0	0	0	0
	PCT	0.73	0.29	0.24	0.12	0.05	0.00	0.01	0.00	0.00	0.00	0.00
135.0 -SE	NO	34	11	12	10	2	0	3	1	0	0	1
	PCT	0.45	0.15	0.16	0.13	0.03	0.00	0.04	0.01	0.00	0.00	0.01
157.5 -SSE	NO	82	40	22	17	8	1	3	0	0	0	0
	PCT	1.09	0.53	0.29	0.23	0.11	0.01	0.04	0.00	0.01	0.00	0.00
180.0 -S	NO	85	16	27	29	10	2	0	1	0	0	0
	PCT	1.13	0.21	0.36	0.39	0.13	0.03	0.00	0.01	0.00	0.00	0.00
202.5 -SSW	NO	56	14	16	16	3	7	1	1	0	0	0
	PCT	0.74	0.19	0.21	0.21	0.04	0.09	0.01	0.01	0.00	0.00	0.00
225.0 -SW	NO	72	21	21	14	5	4	2	1	1	0	0
	PCT	0.96	0.28	0.28	0.19	0.07	0.05	0.03	0.01	0.01	0.00	0.00
247.5 -WSW	NO	59	17	17	14	6	4	1	0	0	0	0
	PCT	0.79	0.23	0.23	0.19	0.08	0.05	0.01	0.00	0.00	0.00	0.00
270.0 -W	NO	67	33	15	8	5	4	2	0	0	0	0
	PCT	0.89	0.44	0.20	0.11	0.07	0.05	0.03	0.00	0.00	0.00	0.00
292.5 -WNW	NO	104	45	24	8	11	7	6	1	0	0	0
	PCT	1.38	0.60	0.32	0.11	0.14	0.09	0.08	0.01	0.00	0.00	0.00
315.0 -NW	NO	111	51	46	5	4	5	0	0	0	0	0
	PCT	1.48	0.68	0.61	0.07	0.05	0.07	0.00	0.00	0.00	0.00	0.00
337.5 -NNW	NO	174	84	76	10	3	1	0	0	0	0	0
	PCT	2.32	1.12	1.01	0.13	0.04	0.01	0.00	0.00	0.00	0.00	0.00
CALM	NO	8										
	PCT	0.08										
TOTAL	NO	1920	589	669	297	102	57	25	6	3	1	1
	PCT	25.60	7.84	8.91	3.95	1.36	0.76	0.33	0.08	0.04	0.01	0.01

AVERAGE WIND SPEED 4.81 TOTAL VALID OBSERVATIONS 7510 TOTAL OBSERVATIONS 8760

OCONEE LOW LEVEL
SUMMARY OF PASQUILL G

FOR 1975
WIND OCCURRENCES BY SECTOR + SPEED CLASS (NO. OCCURR.PERCENT)
DATE OF REPORT 4-14-76

WIND SECTOR	ITEM	TOTAL	WIND SPEED CLASS 1.0-3.2 .45-1.49	3.3-5.5 1.5-2.49	5.6-7.8 2.5-3.49	7.9-10.0 3.5-4.49	10.1-12.3 4.5-5.49	12.4-14.5 5.5-6.49	14.6-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.1-21.2 8.5-9.49	>21.2 MPH >9.5 M/S
360.0 -N-	NO	170	53	102	13	1	0	0	0	0	0	0
	PCT	2.26	0.70	1.36	0.17	0.01	0.00	0.00	0.00	0.00	0.00	0.00
22.5 -NNE-	NO	83	37	38	8	0	0	0	0	0	0	0
	PCT	1.11	0.49	0.51	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0 -NE-	NO	45	20	16	8	1	0	0	0	0	0	0
	PCT	0.60	0.27	0.21	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00
67.5 -ENE-	NO	17	7	6	1	2	0	1	0	0	0	0
	PCT	0.23	0.09	0.08	0.01	0.03	0.00	0.01	0.00	0.00	0.00	0.00
90.0 -E-	NO	12	8	3	0	1	0	0	0	0	0	0
	PCT	0.16	0.11	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
112.5 -ESE-	NO	13	5	5	3	0	0	0	0	0	0	0
	PCT	0.17	0.07	0.07	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0 -SE-	NO	18	7	8	3	0	0	0	0	0	0	0
	PCT	0.24	0.09	0.11	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5 -SSE-	NO	21	9	6	4	1	1	0	0	0	0	0
	PCT	0.28	0.12	0.08	0.05	0.01	0.01	0.00	0.00	0.00	0.00	0.00
180.0 -S-	NO	33	13	16	6	3	1	0	0	0	0	0
	PCT	0.44	0.17	0.13	0.08	0.04	0.01	0.00	0.00	0.00	0.00	0.00
202.5 -SSW-	NO	21	7	9	5	0	0	0	0	0	0	0
	PCT	0.28	0.09	0.12	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0 -SW-	NO	24	8	9	6	1	0	0	0	0	0	0
	PCT	0.32	0.11	0.12	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00
247.5 -WSW-	NO	27	15	7	4	1	0	0	0	0	0	0
	PCT	0.36	0.20	0.09	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00
270.0 -W-	NO	29	16	11	1	1	0	0	0	0	0	0
	PCT	0.39	0.21	0.14	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
292.5 -WNW-	NO	33	21	7	1	2	1	1	0	0	0	0
	PCT	0.44	0.28	0.09	0.01	0.03	0.01	0.01	0.00	0.00	0.00	0.00
315.0 -NW-	NO	46	25	21	0	0	1	0	0	0	0	0
	PCT	0.64	0.33	0.28	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00
337.5 -NNW-	NO	80	32	43	3	0	0	0	0	0	0	0
	PCT	1.07	0.43	0.57	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CALM	NO	5										
	PCT	0.07										
TOTAL	NO	674	293	303	66	15	4	2	0	0	0	0
	PCT	8.97	3.77	4.03	0.88	0.20	0.05	0.03	0.00	0.00	0.00	0.01

AVERAGE WIND SPEED 3.84 TOTAL VALID OBSERVATIONS 7516 TOTAL OBSERVATIONS 8760

OCONEE LOW LEVEL
SUMMARY OF PASQUILL ACCIDENT YEAR

WIND OCCURRENCES BY SECTOR • SPEED CLASS (NO. OCCURR.•PERCENT)
FOR 1975
DATE OF REPORT 4-14-76

WIND SECTOR	ITEM	TOTAL	1.0-3.2 1.5-2.49	3.3-5.5 2.5-3.44	5.6-7.8 3.5-4.49	7.9-10.0 4.5-5.49	10.1-12.3 5.5-6.49	12.4-14.5 6.5-7.49	14.6-16.7 7.5-8.49	16.8-19.0 8.5-9.49	19.1-21.2 9.5-10.49	21.2 MPH 9.5 M/S
360.0 -N-	NO	411	498	93	14	3	2	1	0	0	0	0
	PCT	10.00	5.38	1.24	0.19	0.04	0.03	0.01	0.00	0.00	0.00	0.01
22.5 -NNE-	NO	450	168	86	15	4	0	0	0	0	0	0
	PCT	5.99	2.24	1.14	0.20	0.05	0.00	0.00	0.00	0.00	0.00	0.01
45.0 -NE-	NO	645	196	176	95	31	10	0	0	0	0	0
	PCT	8.59	2.61	2.34	1.26	0.41	0.13	0.00	0.00	0.00	0.00	0.00
67.5 -ENE-	NO	491	144	122	98	38	18	5	1	0	0	0
	PCT	6.54	1.92	1.62	1.30	0.51	0.13	0.07	0.01	0.00	0.00	0.00
90.0 -E-	NO	385	167	96	31	12	5	0	0	0	1	1
	PCT	5.13	2.22	1.28	0.41	0.16	0.07	0.00	0.00	0.01	0.01	0.01
112.5 -ESE-	NO	231	100	43	16	2	3	1	0	0	0	0
	PCT	3.08	1.33	0.57	0.21	0.03	0.04	0.01	0.00	0.00	0.00	0.00
135.0 -SE-	NO	286	136	29	6	1	3	2	0	1	0	0
	PCT	3.81	1.76	0.67	0.08	0.01	0.04	0.03	0.01	0.01	0.00	0.01
157.5 -SSE-	NO	370	147	96	28	3	3	0	0	2	0	0
	PCT	5.03	1.96	1.28	0.37	0.04	0.04	0.00	0.00	0.03	0.00	0.00
180.0 -S-	NO	468	184	139	35	16	3	2	0	1	0	0
	PCT	6.23	2.18	1.85	0.48	0.21	0.04	0.03	0.01	0.00	0.00	0.00
202.5 -SSW-	NO	571	168	167	74	39	11	2	2	2	0	1
	PCT	7.60	2.24	2.22	0.98	0.67	0.14	0.03	0.03	0.03	0.00	0.01
225.0 -SW-	NO	648	203	204	156	85	56	31	13	4	1	1
	PCT	8.63	2.72	2.08	1.13	0.67	0.41	0.17	0.05	0.01	0.01	0.01
247.5 -WSW-	NO	426	128	91	38	26	6	8	2	2	0	1
	PCT	5.67	1.70	1.21	0.51	0.34	0.08	0.11	0.01	0.03	0.00	0.01
270.0 -W-	NO	454	124	59	33	41	24	9	8	5	5	5
	PCT	6.05	1.70	0.78	0.44	0.54	0.32	0.12	0.11	0.07	0.07	0.07
292.5 -WNW-	NO	416	136	81	34	47	33	25	13	8	4	4
	PCT	5.54	1.86	1.08	0.45	0.63	0.44	0.33	0.17	0.11	0.05	0.05
315.0 -NW-	NO	372	154	125	29	29	24	18	7	3	2	0
	PCT	4.95	2.05	1.66	0.39	0.39	0.32	0.24	0.09	0.04	0.03	0.00
337.5 -NNW-	NO	452	205	197	46	10	7	1	0	0	0	0
	PCT	6.02	2.73	2.62	0.61	0.13	0.09	0.01	0.00	0.00	0.00	0.00
CALM	NO	26										
	PCT	0.34										
TOTAL	NO	7484	2047	1453	646	341	191	75	36	20	16	
	PCT	99.65	27.26	19.43	8.60	4.54	2.54	1.00	0.48	0.27	0.21	

AVERAGE WIND SPEED 5.42 TOTAL VALID OBSERVATIONS 7510 TOTAL OBSERVATIONS 8760

OCONEE HIGH LEVEL
SUMMARY OF PASQUILL A — WIND OCCURRENCES BY SECTOR + SPEED CLASS (NO. OCCURR,PERCENT) FOR 1975
DATE OF REPORT 5-18-76

WIND SECTOR	ITEM	TOTAL	WIND SPEED CLASS 1.0-3.2 .45-1.49	3.3-5.5 1.5-2.49	5.6-7.8 2.5-3.49	7.9-10.0 3.5-4.49	10.1-12.3 4.5-5.49	12.4-14.5 5.5-6.49	14.6-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.1-21.2 8.5-9.49	>21.2 >9.5 MPH M/S
360.0 -N-	NO	44	13	22	6	3	0	0	0	0	0	0
	PCT	0.59	0.17	0.29	0.08	0.04	0.00	0.00	0.00	0.00	0.00	0.00
22.5 -NNE-	NO	63	20	30	7	3	2	0	1	0	0	0
	PCT	0.84	0.27	0.40	0.09	0.04	0.03	0.00	0.01	0.00	0.00	0.00
45.0 -NE-	NO	87	11	29	20	15	10	1	1	0	0	0
	PCT	1.16	0.14	0.39	0.27	0.20	0.13	0.01	0.01	0.00	0.00	0.00
67.5 -ENE-	NO	102	8	22	18	19	17	12	2	2	1	1
	PCT	1.36	0.11	0.29	0.24	0.25	0.23	0.16	0.03	0.03	0.01	0.01
90.0 -E-	NO	104	7	26	30	22	14	4	1	0	0	0
	PCT	1.38	0.09	0.34	0.40	0.29	0.19	0.05	0.01	0.00	0.00	0.00
112.5 -ESE-	NO	66	7	26	18	6	6	2	1	0	0	0
	PCT	0.88	0.09	0.34	0.24	0.08	0.08	0.03	0.01	0.00	0.00	0.00
135.0 -SE-	NO	77	8	37	21	7	2	1	0	1	0	0
	PCT	1.03	0.11	0.49	0.28	0.09	0.03	0.01	0.00	0.01	0.00	0.00
157.5 -SSE-	NO	97	11	37	37	7	5	0	0	0	0	0
	PCT	1.29	0.14	0.49	0.49	0.09	0.07	0.00	0.00	0.00	0.00	0.00
180.0 -S-	NO	132	15	47	39	22	4	4	1	0	0	0
	PCT	1.76	0.20	0.63	0.52	0.29	0.05	0.05	0.01	0.00	0.00	0.00
202.5 -SSW-	NO	228	13	44	74	49	27	11	7	2	0	1
	PCT	3.04	0.17	0.58	0.98	0.65	0.36	0.14	0.09	0.03	0.00	0.01
225.0 -SW-	NO	208	8	63	61	31	12	8	12	7	4	2
	PCT	2.77	0.11	0.84	0.81	0.41	0.16	0.11	0.16	0.09	0.05	0.03
247.5 -WSW-	NO	112	14	25	32	15	8	2	4	8	2	2
	PCT	1.49	0.19	0.33	0.43	0.20	0.11	0.03	0.05	0.11	0.03	0.03
270.0 -W-	NO	113	20	36	23	15	7	6	1	5	0	6
	PCT	1.50	0.27	0.48	0.31	0.20	0.09	0.08	0.01	0.07	0.00	0.08
292.5 -WNW-	NO	94	14	23	10	6	2	2	13	8	6	10
	PCT	1.25	0.19	0.31	0.13	0.08	0.03	0.03	0.17	0.11	0.08	0.13
315.0 -NW-	NO	53	14	15	9	2	2	2	1	4	0	4
	PCT	0.71	0.19	0.20	0.12	0.03	0.03	0.03	0.01	0.05	0.00	0.05
337.5 -NNW-	NO	40	11	24	3	0	0	0	2	0	0	0
	PCT	0.53	0.14	0.32	0.04	0.00	0.00	0.00	0.03	0.00	0.00	0.00
CALM	NO	4										
	PCT	0.05										
TOTAL	NO	1626	194	506	408	222	118	55	47	37	13	26
	PCT	21.65	2.58	6.74	5.43	2.96	1.57	0.73	0.63	0.49	0.17	0.34

AVERAGE WIND SPEED 7.17 TOTAL VALID OBSERVATIONS 7510 TOTAL OBSERVATIONS 8760

SUMMARY OF OCONEE HIGH LEVEL PASQUILL C — WIND OCCURRENCES BY SECTOR + SPEED CLASS (NO. OCCURR.,PERCENT) — FOR 1975 — DATE OF REPORT 5-18-76

WIND SECTOR	ITEM	SECTOR TOTAL	WIND SPEED CLASS 1.0-3.2 +45-1.49	3.3-5.5 1.5-2.49	5.6-7.8 2.5-3.49	7.9-10.0 3.5-4.49	10.1-12.3 4.5-5.49	12.4-14.5 5.5-6.49	14.6-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.1-21.2 8.5-9.49	>21.2 >9.5 MPH M/S
360.0 -N-	NO	28	9	9	0	0	0	0	1	0	0	0
	PCT	0.37	0.12	0.12	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
22.5 -NNE-	NO	18	6	4	1	1	0	0	0	0	0	0
	PCT	0.24	0.08	0.05	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
45.0 -NE-	NO	27	6	5	4	1	4	2	3	1	0	0
	PCT	0.36	0.08	0.07	0.05	0.01	0.05	0.03	0.04	0.01	0.00	0.00
67.5 -ENE-	NO	34	3	6	6	7	7	2	3	0	0	0
	PCT	0.45	0.04	0.08	0.08	0.09	0.09	0.03	0.04	0.00	0.00	0.00
90.0 -E-	NO	29	2	9	9	1	1	1	1	0	0	0
	PCT	0.38	0.03	0.11	0.12	0.01	0.01	0.01	0.01	0.00	0.00	0.00
112.5 -ESE-	NO	18	1	4	1	2	1	0	0	0	0	0
	PCT	0.13	0.01	0.05	0.01	0.03	0.01	0.00	0.00	0.00	0.00	0.00
135.0 -SE-	NO	28	8	11	1	0	0	0	0	0	0	0
	PCT	0.38	0.11	0.14	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5 -SSE-	NO	29	3	5	5	3	1	0	0	0	0	0
	PCT	0.39	0.04	0.07	0.07	0.04	0.01	0.00	0.00	0.00	0.00	0.00
180.0 -S-	NO	27	3	11	3	3	4	0	0	0	0	0
	PCT	0.36	0.04	0.14	0.04	0.04	0.05	0.00	0.00	0.00	0.00	0.00
202.5 -SSW-	NO	55	11	14	14	7	7	0	0	0	0	0
	PCT	0.73	0.14	0.19	0.19	0.09	0.09	0.00	0.00	0.00	0.00	0.00
225.0 -SW-	NO	43	10	7	4	4	4	3	2	2	0	1
	PCT	0.57	0.13	0.09	0.05	0.05	0.05	0.04	0.03	0.03	0.00	0.01
247.5 -WSW-	NO	29	9	5	3	2	2	1	1	1	0	0
	PCT	0.39	0.12	0.07	0.04	0.03	0.03	0.01	0.01	0.01	0.00	0.00
270.0 -W-	NO	29	5	1	1	2	1	1	1	2	0	3
	PCT	0.39	0.07	0.01	0.01	0.03	0.01	0.01	0.01	0.03	0.00	0.04
292.5 -WNW-	NO	17	3	2	0	1	0	1	1	2	3	3
	PCT	0.23	0.04	0.03	0.00	0.01	0.00	0.01	0.01	0.03	0.04	0.04
315.0 -NW-	NO	17	3	3	1	2	1	2	1	2	1	0
	PCT	0.23	0.04	0.04	0.01	0.03	0.01	0.03	0.01	0.03	0.01	0.00
337.5 -NNW-	NO	3	1	0	0	0	0	0	0	0	0	0
	PCT	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CALM	NO	1										
	PCT	0.01										
TOTAL	NO	412	69	94	91	53	36	13	14	5	4	1
	PCT	5.48	0.92	1.25	1.21	0.70	0.48	0.49	0.19	0.13	0.05	0.11

AVERAGE WIND SPEED 7.68 — TOTAL VALID OBSERVATIONS 7510 — TOTAL OBSERVATIONS 8760

OCONEE HIGH LEVEL
SUMMARY OF PASQUILL D

WIND OCCURRENCES BY SECTOR * SPEED CLASS (NO. OCCURR.*PERCENT)
FOR 1975
DATE OF REPORT 5-18-76

WIND SECTOR	ITEM	TOTAL	1.0-3.2 .45-1.49	3.3-5.5 1.5-2.49	5.6-7.8 2.5-3.49	7.9-10.0 3.5-4.49	10.1-12.3 4.5-5.49	12.4-14.5 5.5-6.49	14.6-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.1-21.2 8.5-9.49	>21.2 MPH >9.5 M/S
360.0 -N-	NO	61	10	35	48	5	1	0	0	0	2	0
	PCT	0.81	0.13	0.33	0.24	0.07	0.01	0.00	0.00	0.00	0.03	0.00
22.5 -NNE-	NO	53	3	23	14	11	2	0	0	0	0	0
	PCT	0.71	0.04	0.31	0.19	0.14	0.03	0.00	0.00	0.00	0.00	0.00
45.0 -NE-	NO	116	14	18	31	23	15	8	6	1	0	0
	PCT	1.54	0.19	0.24	0.41	0.31	0.20	0.11	0.08	0.01	0.00	0.00
67.5 -ENE-	NO	109	4	20	24	25	21	7	5	2	1	0
	PCT	1.45	0.05	0.27	0.32	0.33	0.28	0.09	0.07	0.03	0.01	0.00
90.0 -E-	NO	81	3	27	24	19	5	2	0	1	0	0
	PCT	1.08	0.04	0.36	0.32	0.25	0.07	0.03	0.00	0.01	0.00	0.00
112.5 -ESE-	NO	44	4	15	17	7	0	0	1	0	0	0
	PCT	0.59	0.05	0.20	0.23	0.09	0.00	0.00	0.01	0.00	0.00	0.00
135.0 -SE-	NO	57	12	18	22	3	2	0	0	0	0	0
	PCT	0.76	0.16	0.24	0.29	0.04	0.03	0.00	0.00	0.00	0.00	0.00
157.5 -SSE-	NO	52	9	15	21	3	4	0	0	0	0	0
	PCT	0.69	0.12	0.20	0.28	0.04	0.05	0.00	0.00	0.00	0.00	0.00
180.0 -S-	NO	89	8	26	26	16	5	1	1	0	0	1
	PCT	1.19	0.11	0.35	0.34	0.21	0.07	0.01	0.01	0.00	0.00	0.01
202.5 -SSW-	NO	96	9	23	19	18	13	3	8	2	1	0
	PCT	1.28	0.12	0.31	0.25	0.24	0.17	0.04	0.11	0.03	0.01	0.00
225.0 -SW-	NO	139	11	26	32	27	29	11	5	5	3	0
	PCT	1.85	0.14	0.34	0.43	0.36	0.39	0.14	0.07	0.07	0.03	0.00
247.5 -WSW-	NO	72	8	18	13	14	6	4	2	4	3	0
	PCT	0.96	0.11	0.24	0.17	0.19	0.08	0.05	0.03	0.05	0.04	0.00
270.0 -W-	NO	86	16	19	13	2	5	11	5	9	1	5
	PCT	1.15	0.21	0.25	0.17	0.03	0.07	0.14	0.07	0.12	0.01	0.07
292.5 -WNW-	NO	55	9	12	4	0	3	3	8	6	3	7
	PCT	0.73	0.12	0.16	0.05	0.00	0.04	0.04	0.11	0.08	0.04	0.09
315.0 -NW-	NO	43	7	15	5	2	0	3	2	4	4	1
	PCT	0.57	0.09	0.20	0.07	0.03	0.00	0.04	0.03	0.05	0.05	0.01
337.5 -NNW-	NO	59	14	24	9	0	1	0	2	0	0	0
	PCT	0.67	0.19	0.32	0.12	0.00	0.01	0.00	0.03	0.00	0.00	0.00
CALM	NO	2										
	PCT	0.03										
TOTAL	NO	1194	141	320	292	175	103	53	45	36	15	14
	PCT	15.90	1.88	4.26	3.89	2.33	1.37	0.70	0.60	0.48	0.20	0.19

AVERAGE WIND SPEED 7.59 TOTAL VALID OBSERVATIONS 7510 TOTAL OBSERVATIONS 8760

OCONEE HIGH LEVEL FOR 1975

SUMMARY OF PASQUILL E WIND OCCURRENCES BY SECTOR • SPEED CLASS IND. OCCURR.PERCENT) DATE OF REPORT 5-18-76

WIND SECTOR	ITEM	SECTOR TOTAL	1.0-3.2 .45-1.49	3.3-5.5 1.5-2.49	5.6-7.8 2.5-3.49	7.9-10.0 3.5-4.49	10.1-12.3 4.5-5.49	12.4-14.5 5.5-6.49	14.6-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.1-21.2 8.5-9.49	>21.2 >9.5 MPH M/S
360.0 -N-	NO	194	33	86	47	19	7	3	0	0	0	0
	PCT	2.58	0.44	1.14	0.63	0.25	0.09	0.03	0.00	0.00	0.00	0.00
22.5 -NNE-	NO	117	15	51	31	12	5	2	1	0	0	0
	PCT	1.56	0.20	0.68	0.41	0.16	0.07	0.03	0.01	0.00	0.00	0.00
45.0 -NE-	NO	179	8	46	49	41	29	6	0	0	0	0
	PCT	2.38	0.11	0.61	0.65	0.54	0.39	0.08	0.00	0.00	0.00	0.00
67.5 -ENE-	NO	124	15	23	33	25	19	5	1	1	2	0
	PCT	1.65	0.20	0.31	0.44	0.33	0.25	0.07	0.01	0.01	0.03	0.00
90.0 -E-	NO	84	12	27	25	15	2	2	0	1	0	0
	PCT	1.12	0.16	0.36	0.33	0.20	0.03	0.03	0.00	0.01	0.00	0.00
112.5 -ESE-	NO	44	7	19	12	4	2	0	0	0	0	0
	PCT	0.59	0.09	0.25	0.16	0.05	0.03	0.00	0.00	0.00	0.00	0.00
135.0 -SE-	NO	54	7	20	12	7	0	0	0	0	0	1
	PCT	0.72	0.09	0.27	0.16	0.09	0.00	0.00	0.00	0.00	0.00	0.01
157.5 -SSE-	NO	97	12	26	27	27	3	1	0	0	0	1
	PCT	1.29	0.16	0.34	0.36	0.36	0.04	0.01	0.00	0.00	0.00	0.01
180.0 -S-	NO	111	19	32	35	21	6	5	0	0	0	0
	PCT	1.48	0.13	0.43	0.47	0.28	0.08	0.07	0.00	0.03	0.00	0.00
202.5 -SSW-	NO	113	11	25	28	16	15	9	7	2	0	0
	PCT	1.50	0.14	0.33	0.37	0.21	0.20	0.12	0.09	0.03	0.00	0.00
225.0 -SW-	NO	162	11	25	33	34	31	11	11	5	1	0
	PCT	2.16	0.14	0.33	0.44	0.45	0.41	0.14	0.14	0.07	0.01	0.00
247.5 -WSW-	NO	127	15	29	29	17	12	8	11	4	1	1
	PCT	1.69	0.20	0.39	0.39	0.23	0.16	0.11	0.14	0.05	0.01	0.01
270.0 -W-	NO	133	13	35	30	10	8	14	9	9	2	3
	PCT	1.77	0.17	0.47	0.40	0.13	0.11	0.19	0.12	0.12	0.03	0.04
292.5 -WNW-	NO	117	16	26	8	13	20	10	8	4	7	5
	PCT	1.56	0.21	0.34	0.11	0.17	0.27	0.13	0.11	0.05	0.09	0.07
315.0 -NW-	NO	100	23	36	9	4	8	10	5	4	1	0
	PCT	1.33	0.31	0.48	0.12	0.05	0.11	0.13	0.07	0.05	0.01	0.00
337.5 -NNW-	NO	106	20	46	24	9	4	3	0	0	0	0
	PCT	1.41	0.27	0.61	0.32	0.12	0.05	0.04	0.00	0.00	0.00	0.00
CALM	NO	4										
	PCT	0.05										
TOTAL	NO	1862	228	552	439	274	171	88	53	32	14	11
	PCT	24.79	3.03	7.35	5.84	3.65	2.28	1.17	0.70	0.43	0.19	0.14

AVERAGE WIND SPEED 7.14 TOTAL VALID OBSERVATIONS 7510 TOTAL OBSERVATIONS 8760

OCONEE HIGH LEVEL
SUMMARY OF PASQUILL F

FOR 1975
WIND OCCURRENCES BY SECTOR + SPEED CLASS (NO. OCCURR,PERCENT)

DATE OF REPORT 5-18-76

WIND SECTOR	ITEM	SECTOR TOTAL	WIND SPEED CLASS 1.0-3.2 .45-1.49	3.3-5.5 1.5-2.49	5.6-7.8 2.5-3.49	7.9-10.0 3.5-4.49	10.1-12.3 4.5-5.49	12.4-14.5 5.5-6.49	14.6-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.1-21.2 8.5-9.49	>21.2 MPH >9.5 M/S
360.0 -N-	NO	314	70	132	83	24	4	0	1	0	0	0
	PCT	4.18	0.93	1.76	1.10	0.32	0.05	0.00	0.01	0.00	0.00	0.00
22.5 -NNE-	NO	116	25	39	30	18	4	0	0	0	0	0
	PCT	1.54	0.33	0.52	0.40	0.24	0.05	0.00	0.00	0.00	0.00	0.00
45.0 -NE-	NO	191	19	55	42	32	26	11	5	1	0	0
	PCT	2.54	0.25	0.73	0.56	0.43	0.34	0.14	0.07	0.01	0.00	0.00
67.5 -ENE-	NO	106	12	21	22	19	23	7	2	0	0	0
	PCT	1.41	0.16	0.28	0.29	0.25	0.31	0.09	0.03	0.00	0.00	0.00
90.0 -E-	NO	75	10	26	22	6	5	3	1	1	0	1
	PCT	1.00	0.13	0.34	0.29	0.08	0.07	0.04	0.01	0.01	0.00	0.01
112.5 -ESE-	NO	55	11	21	8	10	3	0	1	0	1	0
	PCT	0.73	0.14	0.28	0.11	0.13	0.04	0.00	0.01	0.00	0.01	0.00
135.0 -SE-	NO	54	11	15	16	5	2	0	1	2	1	1
	PCT	0.72	0.14	0.20	0.21	0.07	0.03	0.00	0.01	0.03	0.01	0.01
157.5 -SSE-	NO	83	10	20	28	13	7	1	1	2	0	1
	PCT	1.11	0.13	0.27	0.37	0.17	0.09	0.01	0.01	0.03	0.00	0.01
180.0 -S-	NO	85	13	12	31	17	9	2	0	1	0	0
	PCT	1.13	0.17	0.16	0.41	0.23	0.12	0.03	0.00	0.01	0.00	0.00
202.5 -SSW-	NO	58	11	13	15	7	3	6	2	1	0	0
	PCT	0.77	0.14	0.17	0.20	0.09	0.04	0.08	0.03	0.01	0.00	0.00
225.0 -SW-	NO	72	12	21	18	9	4	4	1	2	0	1
	PCT	0.96	0.16	0.28	0.24	0.12	0.05	0.05	0.01	0.03	0.00	0.01
247.5 -WSW-	NO	59	10	17	11	11	5	4	0	1	0	0
	PCT	0.79	0.13	0.23	0.14	0.14	0.07	0.05	0.00	0.01	0.00	0.00
270.0 -W-	NO	69	22	23	6	6	4	4	1	2	0	0
	PCT	0.91	0.29	0.31	0.08	0.08	0.05	0.05	0.01	0.03	0.00	0.00
292.5 -WNW-	NO	102	20	44	7	7	9	7	5	2	1	0
	PCT	1.36	0.27	0.58	0.09	0.09	0.12	0.09	0.07	0.03	0.01	0.00
315.0 -NW-	NO	111	28	59	12	3	3	4	2	0	0	0
	PCT	1.48	0.37	0.78	0.16	0.04	0.04	0.05	0.03	0.00	0.00	0.00
337.5 -NNW-	NO	174	42	99	23	6	3	1	0	0	0	0
	PCT	2.32	0.56	1.32	0.31	0.08	0.04	0.01	0.00	0.00	0.00	0.00
CALM	NO	3										
	PCT	0.04										
TOTAL	NO	1723	326	617	374	193	114	54	23	15	3	4
	PCT	22.94	4.34	8.22	4.98	2.57	1.52	0.72	0.31	0.20	0.04	0.05

AVERAGE WIND SPEED 6.01

TOTAL VALID OBSERVATIONS 7510

TOTAL OBSERVATIONS 8760

OCONEE HIGH LEVEL
SUMMARY OF PASQUILL G
WIND OCCURRENCES BY SECTOR + SPEED CLASS (NO. OCCURR.,PERCENT)
FOR 1975
DATE OF REPORT 5-18-76

WIND SECTOR	ITEM	SECTOR TOTAL	WIND SPEED CLASS 1.0-3.2 .45-1.49	3.3-5.5 1.5-2.49	5.6-7.8 2.5-3.49	7.9-10.0 3.5-4.49	10.1-12.3 4.5-5.49	12.4-14.5 5.5-6.49	14.6-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.1-21.2 8.5-9.49	>21.2 MPH >9.5 M/S
360.0 -N-	NO	170	29	78	55	7	1	0	0	0	0	0
	PCT	2.26	0.39	1.04	0.73	0.09	0.01	0.00	0.00	0.00	0.00	0.00
22.5 -NNE-	NO	83	27	34	20	2	0	0	0	0	0	0
	PCT	1.11	0.36	0.45	0.27	0.03	0.00	0.00	0.00	0.00	0.00	0.00
45.0 -NE-	NO	45	15	19	7	3	1	0	0	0	0	0
	PCT	0.60	0.20	0.25	0.09	0.04	0.01	0.00	0.00	0.00	0.00	0.00
67.5 -ENE-	NO	17	7	4	2	2	1	0	0	0	1	0
	PCT	0.23	0.09	0.05	0.03	0.03	0.01	0.00	0.00	0.01	0.00	0.00
90.0 -E-	NO	12	6	4	1	0	1	0	0	0	0	0
	PCT	0.16	0.08	0.05	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00
112.5 -ESE-	NO	13	4	3	5	1	0	0	0	0	0	0
	PCT	0.17	0.05	0.04	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00
135.0 -SE-	NO	18	3	7	6	2	0	0	0	0	0	0
	PCT	0.24	0.04	0.09	0.08	0.03	0.00	0.00	0.00	0.00	0.00	0.00
157.5 -SSE-	NO	21	6	5	7	1	1	0	0	0	0	0
	PCT	0.28	0.08	0.07	0.09	0.01	0.01	0.00	0.00	0.00	0.00	0.00
180.0 -S-	NO	33	11	8	7	3	3	0	1	0	0	0
	PCT	0.44	0.14	0.11	0.09	0.04	0.04	0.00	0.01	0.00	0.00	0.00
202.5 -SSW-	NO	21	3	10	4	4	0	0	0	0	0	0
	PCT	0.28	0.04	0.13	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00
225.0 -SW-	NO	25	4	10	7	3	1	0	0	0	0	0
	PCT	0.33	0.05	0.13	0.09	0.04	0.01	0.00	0.00	0.00	0.00	0.00
247.5 -WSW-	NO	27	8	10	8	1	0	0	0	0	0	0
	PCT	0.36	0.11	0.13	0.11	0.01	0.00	0.00	0.00	0.00	0.00	0.00
270.0 -W-	NO	29	10	11	6	1	1	0	0	0	0	0
	PCT	0.39	0.13	0.14	0.08	0.01	0.01	0.00	0.00	0.00	0.00	0.00
292.5 -WNW-	NO	33	12	15	1	1	2	1	1	0	0	0
	PCT	0.44	0.16	0.20	0.01	0.01	0.03	0.01	0.01	0.00	0.00	0.00
315.0 -NW-	NO	48	19	20	7	0	1	1	0	0	0	0
	PCT	0.64	0.25	0.27	0.09	0.00	0.01	0.01	0.00	0.00	0.00	0.00
337.5 -NNW-	NO	80	19	44	14	3	0	0	0	0	0	0
	PCT	1.07	0.25	0.58	0.19	0.04	0.00	0.00	0.00	0.00	0.00	0.00
CALM	NO	4										
	PCT	0.05										
TOTAL	NO	675	183	282	157	33	14	3	2	1	0	0
	PCT	8.99	2.44	3.75	2.09	0.44	0.19	0.04	0.03	0.01	0.00	0.00

TOTAL VALID OBSERVATIONS 7510 TOTAL OBSERVATIONS 8760

AVERAGE WIND SPEED 4.80

OCONEE HIGH LEVEL — FOR 1975

SUMMARY OF PASQUILL A+C+D+E+F+G — WIND OCCURRENCES BY SECTOR + SPEED CLASS (NO. OCCURR,PERCENT) — DATE OF REPORT 5-18-76

WIND SECTOR	ITEM	TOTAL	WIND SPEED CLASS .45-1.49	1.5-2.49	2.5-3.49	3.5-4.49	4.5-5.49	5.5-6.49	6.5-7.49	7.5-8.49	8.5-9.49	>9.5 M/S
360.0 -N-	NO	811	164	352	218	58	13	2	2	2	0	0
	PCT	10.80	2.18	4.69	2.90	0.77	0.17	0.03	0.03	0.03	0.00	0.00
22.5 -NNE-	NO	450	96	183	106	47	14	2	2	0	0	0
	PCT	5.99	1.28	2.44	1.41	0.63	0.19	0.03	0.03	0.00	0.00	0.00
45.0 -NE-	NO	645	73	171	154	118	82	30	14	3	0	0
	PCT	8.59	0.97	2.28	2.05	1.57	1.09	0.40	0.19	0.04	0.00	0.00
67.5 -ENE-	NO	492	49	93	105	96	88	38	12	6	4	1
	PCT	6.55	0.65	1.24	1.40	1.28	1.17	0.51	0.16	0.08	0.05	0.01
90.0 -E-	NO	385	40	118	109	71	28	12	3	3	0	1
	PCT	5.13	0.53	1.57	1.45	0.94	0.37	0.16	0.04	0.04	0.00	0.01
112.5 -ESE-	NO	232	34	85	64	29	13	3	3	0	1	0
	PCT	3.09	0.45	1.13	0.85	0.39	0.17	0.04	0.04	0.00	0.01	0.00
135.0 -SE-	NO	286	47	105	95	25	6	1	1	3	1	2
	PCT	3.81	0.63	1.40	1.26	0.33	0.08	0.01	0.01	0.04	0.01	0.03
157.5 -SSE-	NO	379	51	115	125	56	23	4	1	2	0	2
	PCT	5.05	0.68	1.53	1.66	0.74	0.31	0.05	0.01	0.03	0.00	0.03
180.0 -S-	NO	468	60	124	149	82	30	16	3	3	0	1
	PCT	6.23	0.80	1.65	1.98	1.09	0.40	0.21	0.04	0.04	0.00	0.01
202.5 -SSW-	NO	571	52	126	151	108	65	36	24	7	1	1
	PCT	7.60	0.69	1.68	2.01	1.44	0.87	0.48	0.32	0.09	0.01	0.01
225.0 -SW-	NO	649	53	155	158	108	72	38	32	21	7	5
	PCT	8.64	0.70	2.06	2.10	1.44	0.96	0.51	0.43	0.28	0.09	0.07
247.5 -WSW-	NO	426	61	108	98	60	34	20	18	18	6	3
	PCT	5.67	0.81	1.44	1.30	0.80	0.45	0.27	0.24	0.24	0.08	0.04
270.0 -W-	NO	455	86	128	79	35	27	36	17	27	3	17
	PCT	6.06	1.14	1.70	1.05	0.47	0.36	0.48	0.23	0.36	0.04	0.23
292.5 -WNW-	NO	418	73	123	32	27	37	23	36	22	20	25
	PCT	5.57	0.97	1.64	0.43	0.36	0.49	0.31	0.48	0.29	0.27	0.33
315.0 -NW-	NO	372	94	147	45	12	16	22	11	14	6	5
	PCT	4.95	1.25	1.96	0.60	0.16	0.21	0.29	0.14	0.19	0.08	0.07
337.5 -NNW-	NO	453	108	238	73	18	8	4	4	0	0	0
	PCT	6.03	1.44	3.17	0.97	0.24	0.11	0.05	0.05	0.00	0.00	0.00
CALM	NO	18										
	PCT	0.24										
TOTAL	NO	7492	1141	2371	1761	950	556	287	183	131	49	63
	PCT	99.76	15.19	31.57	23.45	12.65	7.40	3.82	2.44	1.74	0.65	0.84

AVERAGE WIND SPEED 6.78 — TOTAL VALID OBSERVATIONS 7510 — TOTAL OBSERVATIONS 8760

Table 2-28. Composite Poorest Diffusion Conditions Observed for Each Hour of Day (Based on 30 Months of Data)

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED."]

Hour of Day	*Pasquill Class*
00	*F*
01	*F*
02	*F*
03	*F*
04	*F*
05	*F*
06	*F*
07	*F*
08	*F*
09	*E*
10	*D*
11	*D*
12	*D*
13	*D*
14	*D*
15	*D*
16	*D*
17	*F*
18	*F*
19	*F*
20	*F*
21	*F*
22	*F*
23	*F*

Table 2-29. Dispersion Factors Used for Accident and Routine Operational Analyses X/Q

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED."]

July 1973 Safety Evaluation Report for Unit 2 and Unit 3 - Superseded 1970 SER Values for Facility				
Exclusion Area Boundary (1609 m)[3]				
	0-2 hrs			
Ground Releases	*2.20E-4*			
Deleted row per 2008 Update				
At Boundary of Low Population Zone (9650 m)[3]				
	0-8 h	*8-24 h*	*1 d - 4 d*	*4 d - 30 d*
Ground Releases	*2.35E-5*	*4.70E-6*	*1.50E-6*	*3.30E-7*
Deleted row per 2008 Update				

December 1970 Safety Evaluation Report for Unit 1 At Exclusion Area Boundary (1609 m)			
	0-2 hrs	*0-24 hrs*	*0-7 days*
Ground Releases	*1.16E-4*		
Elevated Releases	*3.35E-5*	*9.73E-6*	*2.98E-6*
At Boundary of Low Population Zone (9650 m)			
	0-24 hrs.	*0-30 days*	
Ground Releases[1]	*1.32E-5*	*7.2E-7*	
Elevated Releases[2]	*3.90E-6*	*3.42E-7*	
Long-Term (One Year) Exclusion Area Boundary			
Ground Releases	*4.61E-6*		
Elevated Releases	*8.74E-7*		

Note:

1. *At valley construction 10,464 m from site near Boundary of LPZ*
2. *9,658 m from site at Boundary of LPZ*
3. *Reference 30*

Table 2-30. Determining Appropriate Dispersion Factors. Table 2-29 to be Used During Various Release Conditions

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED."]

	Release Condition	***Appropriate Dispersion Factor***
1.	*Fuel Handling Accident*	*0-2 hour ground release at exclusion area boundary*
2.	*Steam Line Failure*	*0-2 hour ground release at exclusion area boundary for steam line releases* *0-2 hour elevated release at exclusion area boundary for unit vent releases* *0-8 hours, 8-24 hours, 1-4 days, and 4-30 days at boundary of low population zone*
3.	*Rod Ejection Accident*	*0-2 hour ground release at exclusion area boundary for steam line releases* *0-2 hour elevated release at exclusion area boundary for unit vent releases* *0-8 hours, 8-24 hours, 1-4 days, and 4-30 days at boundary of low population zone*
4.	*Loss-of-Coolant Accident (assume 50 percent ground release and 50 percent elevated release after 90 percent iodine removal by filtration)*	*0-2 hour ground release at exclusion area boundary for steam line releases* *0-2 hour elevated release at exclusion area boundary for unit vent releases* *0-8 hours, 8-24 hours, 1-4 days, and 4-30 days at boundary of low population zone*
5.	*Maximum Hypothetical Accident (MHA)*	*0-2 hour ground release at exclusion area boundary for steam line releases* *0-2 hour elevated release at exclusion area boundary for unit vent releases* *0-8 hours, 8-24 hours, 1-4 days, and 4-30 days at boundary of low population zone*
6.	*Engineered Safeguards Leakage*	*0-2 hour elevated release at exclusion area boundary*
7.	*Lifetime Shim Bleed (continuous release)*	*Long-term elevated releases at exclusion area boundary*
8.	*Start-up expansion (7-day release)*	*0-7 day elevated releases at exclusion area boundary*
9.	*Reactor Building Purge*	*0-24 hour elevated release at exclusion area boundary*

	Release Condition	***Appropriate Dispersion Factor***
10.	*Steam Generator Tube Failure*	*0-2 hour ground release at exclusion area boundary for steam line releases* *0-2 hour elevated release at exclusion area boundary for unit vent releases* *0-8 hours, 8-24 hours, 1-4 days, and 4-30 days at boundary of low population zone*
11.	*Steam Generator Tube Leakage*	*Long-term elevated releases at exclusion area boundary*
12.	*Pressurizer and Letdown Storage Tank Venting*	*0-7 day elevated release at exclusion area boundary.*
13.	*Waste Gas Tank Rupture*	*0-2 hour elevated release at exclusion area boundary.*

Table 2-31. Oconee Nuclear Station X/Q at Critical Receptors to 5 Miles[1] (Depleted by Dry Deposition). Radial Distance (mi.) to Receptor with Highest X/Q in Sector and X/Q (sec. m-3) based on 1975 meteorology.

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED."]

Compass Direction	*Milk Cow*		*Milk Goat*		*Meat Animal*		*Residence*		*Veg. Garden*		*EAB[2]*	
	mi.	*sec. m^{-3}*	*mi.*	*sec. m^{-3}*	*mi.*	*sec. m^{-3}*	*mi.*	*sec. m^{-3}*	*mi.*	*sec. m^{-3}*	*mi.*	*sec. m^{-3}*
N		-		-		-		-		-	*1*	*7.8E-8*
NNE		-		-		-	*4*	*7.8E-8*	*4*	*7.8E-8*	*1*	*1.1E-7*
NE	*3.5*	*6.3E-8*	*3*	*6.2E-8*	*3*	*6.2E-8*	*2*	*6.7E-8*	*2*	*6.7E-8*	*1*	*7.0E-8*
ENE	*4*	*5.7E-8*			*1.25*	*6.5E-8*	*1.25*	*6.5E-8*	*1.25*	*6.5E-8*	*1*	*6.9E-8*
E	*3*	*5.3E-8*	*4.5*	*4.5E-8*	*2*	*6.1E-8*	*2*	*6.1E-8*	*2*	*6.1E-8*	*1*	*4.4E-8*
ESE	*4.5*	*4.5E-8*			*2.5*	*5.6E-8*	*2*	*6.1E-8*	*2*	*6.1E-8*	*1*	*2.9E-8*
SE	*3*	*5.5E-8*	*2.5*	*5.5E-8*	*2.5*	*5.5E-8*	*2.5*	*5.5E-8*	*2.5*	*5.5E-8*	*1*	*3.3E-8*
SSE					*2*	*3.1E-7*	*2*	*3.1E-7*	*2*	*3.1E-7*	*1*	*2.6E-7*
S					*2*	*2.5E-7*	*2*	*2.5E-7*	*2*	*2.5E-7*	*1*	*2.6E-7*
SSW	*1.5*	*3.3E-7*			*1.5*	*3.3E-7*	*1.5*	*3.3E-7*	*1.5*	*3.3E-7*	*1*	*3.1E-7*
SW					*1.75*	*7.5E-8*	*1.75*	*7.5E-8*	*1.75*	*7.5E-8*	*1*	*7.5E-8*
WSW					*2.5*	*5.0E-8*	*2.5*	*5.0E-8*	*2.5*	*5.0E-8*	*1*	*5.9E-8*
W	*4.5*	*3.3E-8*			*2.5*	*4.3E-8*	*2.5*	*4.3E-8*	*2.5*	*4.3E-8*	*1*	*3.1E-8*
WNW					*2.75*	*3.5E-8*	*2.75*	*3.5E-8*	*2.75*	*3.5E-8*	*1*	*2.4E-8*
NW					*4*	*2.8E-8*	*4*	*2.8E-8*	*4*	*2.8E-8*	*1*	*3.9E-8*
NNW	*2.5*	*7.7E-8*					*2.5*	*8.3E-8*	*2.5*	*8.3E-8*	*1*	*6.6E-8*

Compass Direction	*Milk Cow*		*Milk Goat*		*Meat Animal*		*Residence*		*Veg. Garden*		*EAB(2)*	
	mi.	*sec. m^{-3}*	*mi.*	*sec. m^{-3}*	*mi.*	*sec. m^{-3}*	*mi.*	*sec. m^{-3}*	*mi.*	*sec. m^{-3}*	*mi.*	*sec. m^{-3}*

Note:

1. *The notation 2.1E-6 means 2.1 x 10^{-6}*
2. *Exclusion Area Boundary*

Table 2-32. Oconee Nuclear Station D/Q at Critical Receptors to 5 Miles[1]. Radial Distance (mi.) to Receptor with Highest D/Q in Sector and D/Q (m-2) based on 1975 meteorology

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED."]

Compass Direction	*Milk Cow*		*Milk Goat*		*Meat Animal*		*Residence*		*Veg. Garden*		*EAB[2]*	
	mi.	*sec. m $^{-2}$*	*mi.*	*sec. m $^{-2}$*	*mi.*	*sec. m $^{-2}$*	*mi.*	*sec. m $^{-2}$*	*mi.*	*sec. m $^{-2}$*	*mi.*	*sec. m $^{-2}$*
N	-		-		-		-		-		*1*	*2.3E-9*
NNE	-		-		-		*4*	*4.2E-10*	*4*	*4.2E-10*	*1*	*3.7E-9*
NE	*3.5*	*4.0E-10*	*3*	*5.0E-10*	*3*	*5.0E-10*	*2*	*8.0E-10*	*2*	*8.0E-10*	*1*	*2.5E-9*
ENE	*4*	*1.8E-10*			*1.25*	*1.0E-9*	*1.25*	*1.0E-9*	*1.25*	*1.0E-9*	*1*	*1.8E-9*
E	*3*	*2.7E-10*	*4.5*	*1.5E-10*	*1.25*	*8.0E-10*	*1.25*	*8.0E-10*	*1.25*	*8.0E-10*	*1*	*1.3E-9*
ESE	*4.5*	*1.1E-10*			*1.5*	*5.0E-10*	*1.5*	*5.0E-10*	*1.5*	*5.0E-10*	*1*	*1.0E-9*
SE	*3*	*1.4E-10*	*2.5*	*1.8E-10*	*2.5*	*1.8E-10*	*2.5*	*1.8E-10*	*2.5*	*1.8E-10*	*1*	*6.0E-10*
SSE					*2*	*1.2E-9*	*2*	*1.2E-9*	*2*	*1.2E-9*	*1*	*2.5E-9*
S					*2*	*1.3E-9*	*2*	*1.3E-9*	*2*	*1.3E-9*	*1*	*3.0E-9*
SSW	*1.5*	*2.4E-9*			*1.5*	*2.4E-9*	*1.5*	*2.4E-9*	*1.5*	*2.4E-9*	*1*	*3.5E-9*
SW					*1.75*	*6.0E-10*	*1.75*	*6.0E-10*	*1.75*	*6.0E-10*	*1*	*1.1E-9*
WSW					*2.5*	*4.4E-10*	*2.5*	*4.4E-10*	*2.5*	*4.4E-10*	*1*	*1.4E-9*
W	*4.5*	*1.5E-10*			*2.5*	*3.8E-10*	*2.5*	*3.8E-10*	*2.5*	*3.8E-10*	*1*	*1.0E-9*
WNW					*2.75*	*2.0E-10*	*2.75*	*2.0E-10*	*2.75*	*2.0E-10*	*1*	*7.0E-10*
NW					*4*	*9.9E-11*	*4*	*9.9E-11*	*4*	*9.9E-11*	*1*	*7.0E-10*
NNW	*2.5*	*3.7E-10*					*2.5*	*3.7E-10*	*2.5*	*1.3E-9*	*1*	*1.6E-9*

Note:

1. *The notation 2.1E-6 means 2.1 x 10^{-6}*
2. *Exclusion Area Boundary*

Table 2-33. Oconee Nuclear Station X/Q at Critical Receptors to 5 Miles[1] (Non-Depleted). Radial Distance (mi.) to Receptor with Highest X/Q in Sector and X/Q (sec. m-3) based on 1975 meteorology.

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED."]

	Milk Cow		***Milk Goat***		***Meat Animal***		***Residence***		***Veg. Garden***		***EAB[2]***	
Compass Direction	***mi.***	***sec. m^{-3}***	***mi.***	***sec. m^{-3}***	***mi.***	***sec. m^{-3}***	***mi.***	***sec. m^{-3}***	***mi.***	***sec. m^{-3}***	***mi.***	***sec. m^{-3}***
N		*-*		*-*		*-*		*-*		*-*	*1*	*9.0E-8*
NNE		*-*		*-*		*-*	*4*	*8.3E-8*	*4*	*8.3E-8*	*1*	*1.1E-7*
NE	*3.5*	*6.4E-8*	*3*	*6.3E-8*	*3*	*6.3E-8*	*2*	*6.7E-8*	*2*	*6.7E-8*	*1*	*7.0E-8*
ENE	*4*	*5.7E-8*			*1.25*	*6.6E-8*	*1.25*	*6.6E-8*	*1.25*	*6.6E-8*	*1*	*6.9E-8*
E	*3*	*5.3E-8*	*4.5*	*4.5E-8*	*2*	*6.1E-8*	*2*	*6.1E-8*	*2*	*6.1E-8*	*1*	*4.4E-8*
ESE	*4.5*	*4.7-8*			*2.5*	*5.6E-8*	*2*	*6.2E-8*	*2*	*6.2E-8*	*1*	*3.5E-8*
SE	*3*	*5.5E-8*	*2.5*	*5.5E-8*	*2.5*	*5.5E-8*	*2.5*	*5.5E-8*	*2.5*	*5.5E-8*	*1*	*3.3E-8*
SSE					*2*	*3.2E-7*	*2*	*3.2E-7*	*2*	*3.2E-7*	*1*	*2.6E-7*
S					*2*	*2.5E-7*	*2*	*2.5E-7*	*2*	*2.5E-7*	*1*	*2.7E-7*
SSW	*1.5*	*3.4E-7*			*1.5*	*3.4E-7*	*1.5*	*3.4E-7*	*1.5*	*3.4E-7*	*1*	*3.4E-7*
SW					*1.75*	*7.5E-8*	*1.75*	*7.5E-8*	*1.75*	*7.5E-8*	*1*	*7.5E-8*
WSW					*2.5*	*5.0E-8*	*2.5*	*5.0E-8*	*2.5*	*5.0E-8*	*1*	*6.3E-8*
W	*4.5*	*3.6E-8*			*2.5*	*4.3E-8*	*2.5*	*4.3E-8*	*2.5*	*4.3E-8*	*1*	*3.8E-8*
WNW							*2.75*	*3.5E-8*	*2.75*	*3.5E-8*	*1*	*2.4E-8*
NW							*4*	*3.7E-8*	*4*	*3.7E-8*	*1*	*3.9E-8*
NNW	*2.5*	*8.3E-8*					*2.5*	*8.3E-8*	*2.5*	*8.3E-8*	*1*	*6.9E-8*

	Milk Cow		*Milk Goat*		*Meat Animal*		*Residence*		*Veg. Garden*		*EAB(2)*	
Compass Direction	***mi.***	***sec. m^{-3}***	***mi.***	***sec. m^{-3}***	***mi.***	***sec. m^{-3}***	***mi.***	***sec. m^{-3}***	***mi.***	***sec. m^{-3}***	***mi.***	***sec. m^{-3}***

Note:

1. *The notation 2.1E-6 means 2.1 x 10^{-6}*
2. *Exclusion Area Boundary*

Table 2-34. Relative Concentration, X/Q, Frequency Distribution Without Wind Speed Correction[3]

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED."]

Relative Concentration	*Frequency (No. of Obs.)*	*Percentage*	*Cumulative Per Cent*
≥4.0 x10^{-4}	*0*	*0.00*	*0.00*
3.0-3.99 x10^{-4}	*0*	*0.00*	*0.00*
2.0-2.99 x10^{-4}	*8*	*0.09*	*0.09*
1.0-1.99 x10^{-4}	*35*	*0.41*	*0.51*
9.0-9.99 x10^{-5}	*20*	*0.24*	*0.74*
8 0-8.99 x10^{-5}	*53*	*0.62*	*1.37*
7.0-7.9 x10^{-5}	*106*	*1.25*	*2.62*
6.0-6.99 x10^{-5}	*229*	*2.70*	*5.32*
5.0-5.99 x10^{-5}	*506*	*5.97*	*11.28*
4.0-4.99 x10^{-5}	*838*	*9.88*	*21.16*
3.0-3.99 x10^{-5}	*1484*	*17.50*	*38.66*
2.0-2.99 x10^{-5}	*2313*	*27.27*	*65.93*
1.0-1.99 x10^{-5}	*2307*	*27.20*	*93.13*
9.0-9.99 x10^{-6}	*167*	*1.97*	*95.10*
8.0-8.99 x10^{-6}	*134*	*1.58*	*96.68*
7.0-7.99 x10^{-6}	*87*	*1.03*	*97.70*
6.0-6.99 x10^{-6}	*88*	*1.04*	*98.74*
5.0-5.99 x10^{-6}	*53*	*0.62*	*99.36*
4.0-4.99 x10^{-6}	*27*	*0.32*	*99.68*
≤3.99 x10^{-6}	*27*	*0.32*	*100.00*
Totals	*8482*	*100.00*	*--- ---*

Note:

1. *Percentage of Valid Observations: 96.82*
2. *Average Relative Concentration = 2.92960 x 10^{-5}*
3. *Meteorological Period: June 1, 1968 - May 31, 1969*

Table 2-35. Gas-Tracer Experimental Results From January 15 - March 11, 1970

["HISTORICAL INFORMATION NOT REQUIRED TO BE REVISED."]

Gas-Tracer Experimental Results

Test Date	Test Number	Time (hours)	Release Rate (micrograms per second)	u (meters per second)	Stability Category	Source to Receptor Distance (meters)	At Receptor			At One mile			
							Center Line Concentration (micrograms per meter^3)	Sigma Y (meters)	Sigma Z (meters)	Sigma V (meters)	Sigma Z (meters)	Pi, Sigma V Sigma Z (meters^2 per second)	Relative Concentration (seconds per meter^3)
Jan. 15, 1970	1a	2100	90×10^3	5.36	F	176	9.40	30.6	14.70	270	74	3.36×10^5	2.97×10^{-4}
	1b	2200	90×10^3	5.36	F	680	1.59	145	18.24	225	19	3.19×10^4	1.38×10^{-5}
Jan. 28, 1970	Plume Measurements Indeterminable												
Jan. 31, 1970	Plume Measurements Indeterminable												
Feb. 5, 1970	2	2100	91×10^3	0.89	F	630	1.58	104	197	280	380	2.97×10^5	3.36×10^{-6}
Feb. 6, 1970	3	2040	85.8×10^3	0.89	F	835	1.49	98	313	57	490	2.12×10^4	1.14×10^{-5}
Feb. 10, 1970	4a	2156	83.3×10^3	1.34	E	190	9.07	38	57	260	280	3.04×10^5	3.34×10^{-6}
	4b	2210	91.6×10^3	1.79	E	352	9.30	26	67	108	186	1.12×10^5	8.85×10^{-6}
	4c	2250	86.7×10	1.79	E	611	3.68	62	67	210	177	2.03×10^5	3.92×10^{-6}
Feb. 11, 1970	Plume Measurements Indeterminable												
Feb. 12, 1970	5a	2055	85.5×10^3	1.56	E	530	1.54	55	44	152	180	7.64×10^4	1.34×10^{-5}
	5b	2115	88.5×10^3	1.34	E	530	1.72	22	22	205	168	1.44×10^5	6.03×10^{-6}
Feb. 17, 1970	6a	2210	89.7×10^3	3.13	C	399	8.29	74	14.9	260	38	9.71×10^4	1.03×10^{-5}
	6b	2250	88.0×10^3	1.79	C	426	16.6	34	22.5	115	82	5.30×10^4	1.88×10^{-5} *
Feb. 19, 1970	Plume Measurements Indeterminable												
Mar. 2, 1970	7	2240	89.7×10^3	0.89	F	451	1.54	45	461	198	920	3.55×10^5	2.81×10^{-6}
Mar. 3, 1970	8a	2018	85.0×10^3	0.89	E-F	450	1.63	43	993	198	580	1.97×10^5	5.10×10^{-6}
	8b	2110	83.3×10^3	0.89	E-F	450	6.21	38	126	115	300	1.04×10^5	9.53×10^{-6}
	8c	2200	86.6×10^3	0.89	E-F	450	1.10	73	195	220	500	3.07×10^5	3.25×10^{-6}
Mar. 5, 1970	Plume Measurements Indeterminable												
Mar. 10, 1970	9a	2045	91.4×10^3	0.67	E-F	120	9.38	32	145	300	1050	6.63×10^5	1.50×10^{-6}
	9b	2705	91.4×10^3	0.67	E-F	170	6.44	53	129	500	910	9.57×10^5	1.04×10^{-6}
	9c	2315	91.4×10^3	0.67	E-F	120	1.78	43	467	450	3500	3.31×10	5.01×10^{-7}
Mar. 11, 1970	Plume Measurements Indeterminable												

*Highest test relative concentration at one mile = 1.88×10^{-5} seconds per meter^3

Table 2-36. Relative Concentration, X/Q, Frequency Distribution With Wind Speed Correction[3, 4]

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED."]

Relative Concentration	*Frequency (No. of Obs.)*	*Percentage*	*Cumulative Per Cent*
≥ 4.0 x10^{-4}	*0*	*0.00*	*0.00*
3.0-3.99 x10^{-4}	*0*	*0.00*	*0.00*
2.0-2.99 x10^{-4}	*0*	*0.00*	*0.00*
1.0-1.99 x10^{-4}	*18*	*0.21*	*0.21*
9.0-9.99 x10^{-5}	*6*	*0.07*	*0.28*
8.0-8.99 x10^{-5}	*6*	*0.07*	*0.35*
7.0-7.99 x10^{-5}	*15*	*0.18*	*0.53*
6.0-6.99 x10^{-5}	*40*	*0.47*	*1.00*
5.0-5.99 x10^{-5}	*137*	*1.62*	*2.62*
4.0-4.99 x10^{-5}	*391*	*4.61*	*7.23*
3.0-3.99 x10^{-5}	*957*	*11.28*	*18.51*
2.0-2.99 x10^{-5}	*2087*	*24.58*	*43.09*
1.0-1.99 x10^{-5}	*3407*	*40.17*	*83.26*
9.0-9.99 x10^{-6}	*313*	*3.69*	*86.95*
8.0-8.99 x10^{-6}	*298*	*3.51*	*90.46*
7.0-7.99 x10^{-6}	*260*	*3.07*	*93.53*
6.0-6.99 x10^{-6}	*218*	*2.57*	*96.10*
5.0-5.99 x10^{-6}	*136*	*1.60*	*97.70*
4.0-4.99 x10^{-6}	*113*	*1.33*	*99.03*
≤3.99 x10^{-6}	*82*	*0.97*	*100.00*
Totals	*8482*	*100.00*	*--- ---*

Note:

1. *Percentage of Valid Observations: 96.82*
2. *Average Relative Concentration = 2.09257 x 10^{-5}*
3. *Period of Record: June 1, 1968 - May 31, 1969*
4. *Wind Speed Correction factor of 1.4 applied, based on calibration check on October 1, 1969*

Table 2-37. Comparative Wind Speed Data

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED."]

Date	***Greenville-Spartanburg[(1)] (Average)***	***Oconee (Average)***	***Oconee to Greenville-Spartanburg (Ratio)***	***Oconee to Greenville-Spartanburg (Ratio x 1.4)***
June, 1968	*13.9 mph*	*7.6 mph*	*0.54*	*0.76*
July, 1968	*11.2 mph*	*6.3 mph*	*0.56*	*0.79*
August, 1968	*11.3 mph*	*6.8 mph*	*0.60*	*0.84*
September, 1968	*10.9 mph*	*5.6 mph*	*0.52*	*0.72*
October, 1968	*12.3 mph*	*8.1 mph*	*0.65*	*0.92*
November, 1968	*13.1 mph*	*7.4 mph*	*0.56*	*0.78*
December, 1968	*15.6 mph*	*9.3 mph*	*0.59*	*0.83*
January, 1969	*14.6 mph*	*8.1 mph*	*0.55*	*0.77*
February, 1969	*15.4 mph*	*11.0 mph*	*0.72*	*1.02*
March, 1969	*11.8 mph*	*7.7 mph*	*0.66*	*0.94*
April, 1969	*11.6 mph*	*7.8 mph*	*0.68*	*0.96*
May, 1969	*11.9 mph*	*6.8 mph*	*0.57*	*0.81*
June, 1969	*11.6 mph*	*6.5 mph*	*0.56*	*0.80*
July, 1969	*11.1 mph*	*5.5 mph*	*0.50*	*0.70*
August, 1969	*11.0 mph*	*8.2 mph*	*0.74*	*1.06*
September, 1969	*11.3 mph*	*7.3 mph*	*0.65*	*0.91*
[(2)]October, 1969	*12.1 mph*	*11.2 mph*	*0.92*	*- ---*
November, 1969	*12.5 mph*	*12.3 mph*	*0.97*	*- ---*

Date	*Greenville-Spartanburg[1] (Average)*	*Oconee (Average)*	*Oconee to Greenville-Spartanburg (Ratio)*	*Oconee to Greenville-Spartanburg (Ratio x 1.4)*
December, 1969	*12.6 mph*	*10.5 mph*	*0.83*	*- ---*
January, 1970	*13.0 mph*	*14.1 mph*	*1.08*	*- ---*

Note:

1. *Greenville-Spartanburg, S.C. Airport ESSA Station*
2. *Calibration Check - October 1, 1969*

Table 2-38. Supplemental Data Oconee Meteorological Survey (Tower Data) For Period of June 1, 1968 Thru May 31, 1969. Frequency of Total Relative Concentration for All Observations

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED."]

Relative Concentration	*Frequency No. of Obs.*	*Percentage*	*Cumulative Per Cent*
≥4.0 x 10^{-4}	*20*	*0.24*	*0.24*
3.0 - 3.99 x 10^{-4}	*4*	*0.05*	*0.28*
2.0 - 2.99 x10^{-4}	*1*	*0.01*	*0.29*
1.0 - 1.99 x 10^{-4}	*52*	*0.61*	*0.91*
9.0 - 9.99 x 10^{-5}	*20*	*0.24*	*1.14*
8.0 - 8.99 x 10^{-5}	*71*	*0.84*	*1.98*
7.0 - 7.99 x 10^{-5}	*86*	*1.01*	*2.99*
6.0 - 6.99 x 10^{-5}	*194*	*2.28*	*5.27*
5.0 - 5.99 x 10^{-5}	*407*	*4.79*	*10.06*
4.0 - 4.99 x 10^{-5}	*783*	*9.22*	*19.28*
3.0 - 3.99 x 10^{-5}	*1288*	*15.16*	*34.44*
2.0 - 2.99 x 10^{-5}	*1961*	*23.08*	*57.52*
1.0 - 1.99 x 10^{-5}	*2604*	*30.65*	*88.17*
9.0 - 9.99 x 10^{-6}	*256*	*3.01*	*91.18*
8.0 - 8.99 x 10^{-6}	*205*	*2.41*	*93.60*
7.0 - 7.99 x 10^{-6}	*214*	*2.52*	*96.12*
6.0 - 6.99 x 10^{-6}	*129*	*1.52*	*97.63*
5.0 - 5.99 x 10^{-6}	*78*	*0.92*	*98.55*
4.0 - 4.99 x 10^{-6}	*78*	*0.92*	*99.47*
≤3.99 x 10^{-6}	*45*	*0.53*	*100.00*
TOTALS	*8496*	*100.00*	*--- ---*

Note:

1. *Percentage of Valid Observations - 96.98*
2. *Average Relative Concentration 3.11000 x 10^{-5}*

Table 2-39. Supplemental Data - Joint Frequency Distribution

["HISTORICAL INFORMATION NOT REQUIRED TO BE REVISED."]

OCONEE METEOROLOGICAL SURVEY (TOWER DATA) FOR PERIOD OF JUNE 19, 1968 THRU JUNE 19, 1969.

SUMMARY OF WIND OCCURRENCES BY SECTOR & SPEED CLASS (NO. OCCUR, PERCENT, STANDARD DEVIATION)

Wind Sector	Item	Sector Total	1.0-3.2 .45-1.49	3.3-5.5 1.5-2.49	5.6-7.8 2.5-3.49	7.9-10.0 3.5-4.49	10.1-12.3 4.5-5.49	12.4-14.5 5.5-6.49	14.6-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.1-21.2 8.5-9.49	>21.2 MPH >=9.5 M/S
360.0	No	1472	465	698	247	40	16	3	3	0	0	0
-N-	Pct	17.24	5.45	8.18	2.89	0.47	0.19	0.04	0.04	0.00	0.00	0.00
	Sd		16.0	7.5	6.1	9.1	11.8	12.5	6.4	0.0	0.0	0.0
22.5	No.	708	261	312	94	20	9	4	4	3	1	0
-NNE-	Pct	8.29	3.06	3.65	1.10	0.23	0.11	0.05	0.05	0.04	0.01	0.00
	Sd		16.5	9.5	7.0	11.5	5.0	5.6	5.4	11.7	5.0	0.0
45.0	No	842	224	281	185	85	35	15	14	3	0	0
-NE-	Pct	9.86	2.62	3.29	2.17	1.00	0.41	0.18	0.16	0.04	0.00	0.00
	Sd		17.9	10.1	6.8	6.1	6.4	5.6	6.2	6.4	0.0	0.0
67.5	No.	493	134	143	96	83	24	10	3	0	0	0
-ENE-	Pct	5.77	1.57	1.68	1.12	0.97	0.28	0.12	0.04	0.00	0.00	0.00
	Sd		18.7	10.7	8.0	7.8	6.6	6.3	4.7	0.0	0.0	0.0
90.0	No	508	177	195	74	47	8	6	1	0	0	0
-E-	Pct	5.95	2.07	2.28	0.87	0.55	0.09	0.07	0.01	0.00	0.00	0.00
	Sd		17.3	11.6	9.0	8.0	6.0	7.5	9.2	0.0	0.0	0.0
112.5	No	318	131	141	33	8	4	1	0	0	0	0
-ESE-	Pct	3.72	1.53	1.65	0.39	0.09	0.05	0.01	0.00	0.00	0.00	0.00
	Sd		16.6	11.0	11.7	9.7	11.0	10.8	0.0	0.0	0.0	0.0
135.0	No	307	87	154	47	18	1	0	0	0	0	0
-SE-	Pct	3.60	1.02	1.80	0.55	0.21	0.01	0.00	0.00	0.00	0.00	0.00
	Sd		14.5	11.6	11.4	8.1	25.0	0.0	0.0	0.0	0.0	0.0
157.5	No	161	52	74	27	6	2	0	0	0	0	0
-SSE-	Pct	1.89	0.61	0.87	0.32	0.07	0.02	0.00	0.00	0.00	0.00	0.00
	Sd		13.9	9.1	7.7	8.9	15.4	0.0	0.0	0.0	0.0	0.0
180.0	No	173	46	100	15	7	5	0	0	0	0	0
-S-	Pct	2.03	0.54	1.17	0.18	0.08	0.06	0.00	0.00	0.00	0.00	0.00
	Sd		11.7	6.7	4.4	2.6	2.5	0.0	0.0	0.0	0.0	0.0
202.5	No	304	49	110	59	55	20	10	1	0	0	0
-SSW-	Pct	3.56	0.57	1.29	0.69	0.64	0.23	0.12	0.01	0.00	0.00	0.00
	Sd		14.3	8.4	8.5	5.9	4.9	6.4	4.2	0.0	0.0	0.0
225.0	No	631	129	218	126	89	41	27	1	0	0	0
-SW-	Pct	7.39	1.51	2.55	1.48	1.04	0.48	0.32	0.01	0.00	0.00	0.00
	Sd		15.5	10.6	7.2	6.5	5.9	5.8	7.5	0.0	0.0	0.0
247.5	No	434	106	112	98	36	34	27	13	3	2	3
-WSW	Pct	5.08	1.24	1.31	1.15	0.42	0.40	0.32	0.15	0.04	0.02	0.04
	Sd		17.1	11.2	9.0	5.5	5.0	4.9	4.4	4.4	4.6	3.9
270.0	No	524	131	125	91	52	50	39	21	12	0	3
-W-	Pct	6.14	1.53	1.46	1.07	0.61	0.59	0.46	0.25	0.14	0.00	0.04
	Sd		18.5	12.4	9.0	6.5	5.4	4.0	4.6	4.6	0.0	4.2
292.5	No	364	117	114	46	39	25	9	7	5	1	1
-WNW-	Pct	4.26	1.37	1.34	0.54	0.46	0.29	0.11	0.08	0.06	0.01	0.01
	Sd		17.5	11.2	9.2	7.2	7.7	8.6	7.4	5.8	4.2	6.7
315.0	No	515	204	199	55	33	17	3	3	0	1	0
-NW-	Pct	6.03	2.39	2.33	0.64	0.39	0.20	0.04	0.04	0.00	0.01	0.00
	Sd		15.5	9.5	7.6	9.3	5.2	6.9	6.4	0.0	7.5	0.0
337.5	No	684	268	303	92	14	4	3	0	0	0	0
-NNW-	Pct	8.01	3.14	3.55	1.08	0.16	0.05	0.04	0.00	0.00	0.00	0.00
	Sd		15.4	7.0	6.2	8.7	11.3	13.3	0.0	0.0	0.0	0.0
Calm	No	99										
	Pct	1.16	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Total	No	8537	2581	3279	1385	632	295	157	71	26	5	7
	Pct	100.0	30.23	38.41	16.22	7.40	3.46	1.84	0.83	0.30	0.06	0.08

OCONEE METEOROLOGICAL SURVEY (TOWER DATA)

FOR PERIOD JUNE 19, 1968 THRU JUNE 19, 1969

SUMMARY OF PASQUILL F WIND OCCURRENCES BY SECTOR & SPEED CLASS (NO. OCCUR, PERCENT, STANDARD DEVIATION)

Wind Sector	Item	Sector Total	1.0-3.2 .45-1.49	3.3-5.5 1.5-2.49	5.6-7.8 2.5-3.49	7.9-10.0 3.5-4.49	10.1-12.3 4.5-5.49	12.4-14.5 5.5-6.49	14.6-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.1-21.2 8.5-9.49	>21.2 MPH >=9.5 M/S
-N-	No.	499	131	260	95	12	1	0	0	0	0	0
	Pct	5.76%	1.51%	3.00%	1.10%	0.14%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
-NNE-	No.	166	68	66	29	3	0	0	0	0	0	0
	Pct	1.92%	0.79%	0.76%	0.33%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
-NE-	No.	135	61	57	13	3	0	0	1	0	0	0
	Pct	1.56%	0.70%	0.66%	0.15%	0.03%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%
-ENE-	No.	57	36	20	0	1	0	0	0	0	0	0
	Pct	0.66%	0.42%	0.23%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
-E-	No.	116	55	55	4	1	1	0	0	0	0	0
	Pct	1.34%	0.63%	0.64%	0.05%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
-ESE-	No.	65	30	32	3	0	0	0	0	0	0	0
	Pct	0.75%	0.35%	0.37%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
-SE-	No.	41	18	19	2	2	0	0	0	0	0	0
	Pct	0.47%	0.21%	0.22%	0.02%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
-SSE-	No.	23	10	11	2	0	0	0	0	0	0	0
	Pct	0.27%	0.12%	0.13%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
-S-	No.	19	6	10	2	1	0	0	0	0	0	0
	Pct	0.18%	0.07%	0.12%	0.02%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
-SSW-	No.	39	16	18	4	0	0	1	0	0	0	0
	Pct	0.45%	0.18%	0.21%	0.05%	0.00%	0.00%	0.01	0.00	0.00%	0.00%	0.00%
-SW-	No.	95	29	40	15	10	1	0	0	0	0	0
	Pct	1.10%	0.33%	0.46%	0.17%	0.12%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
-WSW-	No.	75	31	23	17	3	0	1	0	0	0	0
	Pct	0.87%	0.36%	0.27%	0.20%	0.03%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%
-W-	No.	102	43	28	23	5	2	0	0	1	0	0
	Pct	1.18%	0.50%	0.32%	0.27%	0.06%	0.02%	0.00%	0.00%	0.01%	0.00%	0.00%
-WNW-	No.	101	40	42	10	8	1	0	0	0	0	0
	Pct	1.17%	0.46%	0.48%	0.12%	0.09%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
-NW-	No.	222	87	105	21	9	0	0	0	0	0	0
	Pct	2.56%	1.00%	1.21%	0.24%	0.10%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
-NNW-	No.	352	110	188	52	2	0	0	0	0	0	0
	Pct	4.06%	1.27%	2.17%	0.60%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Calm	No.	27	---	---	---	---	---	---	---	---	---	---
	Pct	0.31%	---	---	---	---	---	---	---	---	---	---
Total	No.	2134	771	974	292	60	6	2	1	1	0	0
	Pct.	24.64%	8.90%	11.25%	3.37%	0.69%	0.07%	0.02%	0.01%	0.01%	0.00	0.00

Total Valid Observations: 8661

OCONEE METEOROLOGICAL SURVEY (TOWER DATA)

FOR PERIOD JUNE 19, 1968 THRU JUNE 19, 1969

SUMMARY OF PASQUILL E WIND OCCURRENCES BY SECTOR & SPEED CLASS (NO. OCCUR, PERCENT, STANDARD DEVIATION)

Wind Sector	Item	Sector Total	1.0-3.2 .45-1.49	3.3-5.5 1.5-2.49	5.6-7.8 2.5-3.49	7.9-10.0 3.5-4.49	10.1-12.3 4.5-5.49	12.4-14.5 5.5-6.49	14.6-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.1-21.2 8.5-9.49	>21.2 MPH >=9.5 M/S
-N-	No.	458	118	247	77	12	4	0	0	0	0	0
	Pct	5.29%	1.36%	2.85%	0.89%	0.14%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%
-NNE-	No.	166	52	85	23	3	2	1	0	0	0	0
	Pct	1.92%	0.68%	0.98%	0.27%	0.03%	0.02%	0.01%	0.00%	0.00%	0.00%	0.00%
-NE-	No.	138	40	61	26	10	1	0	0	0	0	0
	Pct	1.59%	0.46%	0.70%	0.30%	0.12%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
-ENE-	No.	55	18	23	9	4	1	0	0	0	0	0
	Pct	0.64%	0.21%	0.27%	0.10%	0.05%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
-E-	No.	56	25	23	4	4	0	0	0	0	0	0
	Pct	0.65%	0.29%	0.27%	0.05%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
-ESE-	No.	42	18	20	1	2	0	1	0	0	0	0
	Pct	0.49%	0.21%	0.23%	0.01%	0.02%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%
-SE-	No.	41	4	29	5	3	0	0	0	0	0	0
	Pct	0.47%	0.05%	0.34%	0.06%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
-SSE-	No.	33	10	13	9	0	1	0	0	0	0	0
	Pct	0.38%	0.12%	0.15%	0.10%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
-S-	No.	32	9	14	3	2	4	0	0	0	0	0
	Pct	0.37%	0.10%	0.16%	0.03%	0.02%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%
-SSW-	No.	51	6	20	7	13	4	1	0	0	0	0
	Pct	0.59%	0.07%	0.23%	0.08%	0.15%	0.05%	0.01%	0.00%	0.00%	0.00%	0.00%
-SW-	No.	130	22	46	34	22	6	0	0	0	0	0
	Pct	1.50%	0.25%	0.53%	0.39%	0.25%	0.07%	0.00%	0.00%	0.00%	0.00%	0.00%
-WSW-	No.	103	18	27	28	16	11	3	0	0	0	0
	Pct	1.19%	0.21%	0.31%	0.32%	0.18%	0.13%	0.03%	0.00%	0.00%	0.00%	0.00%
-W-	No.	136	25	27	30	22	17	10	4	1	0	0
	Pct	1.57%	0.29%	0.31%	0.35%	0.25%	0.20%	0.12%	0.05%	0.01%	0.00%	0.00%
-WNW-	No.	82	24	28	10	14	4	1	1	0	0	0
	Pct	0.95%	0.28%	0.32%	0.12%	0.16%	0.05%	0.01%	0.01%	0.00%	0.00%	0.00%
-NW-	No.	89	36	31	8	6	8	0	0	0	0	0
	Pct	1.03%	0.42%	0.36%	0.09%	0.07%	0.09%	0.00%	0.00%	0.00%	0.00%	0.00%
-NNW-	No.	127	54	54	15	3	1	0	0	0	0	0
	Pct	1.47%	0.62%	0.62%	0.17%	0.03%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
Calm	No.	14	---	---	---	---	---	---	---	---	---	---
	Pct	0.16%	---	---	---	---	---	---	---	---	---	---
Total	No.	1753	479	748	289	136	64	17	5	1	0	0
	Pct	20.25%	5.53%	8.64%	3.34%	1.57%	0.74%	0.20%	0.06%	0.01%	0.00%	0.00%

Total Valid Observations: 8656

OCONEE METEOROLOGICAL SURVEY (TOWER DATA)

FOR PERIOD JUNE 19, 1968 THRU JUNE 19, 1969

SUMMARY OF PASQUILL D WIND OCCURRENCES BY SECTOR & SPEED CLASS (NO. OCCUR, PERCENT, STANDARD DEVIATION)

Wind Sector	Item	Sector Total	1.0-3.2 .45-1.49	3.3-5.5 1.5-2.49	5.6-7.8 2.5-3.49	7.9-10.0 3.5-4.49	10.1-12.3 4.5-5.49	12.4-14.5 5.5-6.49	14.6-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.2-21.2 8.5-9.49	>21.2 MPH >=9.5 M/S
-N-	No.	505	211	188	73	18	10	3	2	0	0	0
	Pct	5.86%	2.49%	2.18%	0.85%	0.21%	0.12%	0.03%	0.02%	0.00%	0.00%	0.00%
-NNE-	No.	371	138	161	40	14	7	3	4	3	1	0
	Pct	4.30%	1.60%	1.87%	0.46%	0.16%	0.08%	0.03%	0.05%	0.03%	0.01%	0.00%
-NE-	No.	566	121	163	145	72	34	15	13	3	0	0
	Pct	6.57%	1.40%	1.89%	1.68%	0.84%	0.39%	0.17%	0.15%	0.03%	0.00%	0.00%
-ENE-	No.	374	76	100	85	77	23	10	3	0	0	0
	Pct	4.34%	0.88%	1.16%	0.99%	0.89%	0.27%	0.12%	0.03%	0.00%	0.00%	0.00%
-E-	No.	336	97	117	66	41	8	6	1	0	0	0
	Pct	3.90%	1.13%	1.36%	0.77%	0.48%	0.09%	0.07%	0.01%	0.00%	0.00%	0.00%
-ESE-	No.	213	84	90	29	6	4	0	0	0	0	0
	Pct	2.45%	0.97%	1.04%	0.34%	0.07%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%
-SE-	No.	224	65	105	40	13	1	0	0	0	0	0
	Pct	2.60%	0.75%	1.22%	0.46%	0.15%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
-SSE-	No.	104	32	50	15	6	1	0	0	0	0	0
	Pct	1.21%	0.37%	0.58%	0.17%	0.07	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
-S-	No.	122	28	79	10	4	1	0	0	0	0	0
	Pct	1.42%	0.32%	0.92%	0.12%	0.05%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
-SSW-	No.	214	27	72	48	42	16	8	1	0	0	0
	Pct	2.48%	0.31%	0.84%	0.56%	0.49%	0.19%	0.09%	0.01%	0.00%	0.00%	0.00%
-SW-	No.	406	79	131	77	57	34	27	1	0	0	0
	Pct	4.71%	0.92%	1.52%	0.89%	0.66%	0.39%	0.31%	0.01%	0.00%	0.00%	0.00%
-WSW-	No.	254	71	54	50	17	27	20	7	3	2	3
	Pct	2.95%	0.82%	0.63%	0.58%	0.20%	0.31%	0.23%	0.08%	0.03%	0.02%	0.03%
-W-	No.	287	63	70	38	25	31	24	17	11	0	3
	Pct	3.33%	0.73%	0.81%	0.44%	0.29%	0.36%	0.34%	0.20%	0.13%	0.00%	0.03%
-WNW-	No.	180	52	44	26	17	20	8	6	5	1	1
	Pct	2.09%	0.60%	0.51%	0.30%	0.20%	0.23%	0.09%	0.07%	0.06%	0.01%	0.01%
-NW-	No.	203	81	62	26	18	9	3	3	0	1	0
	Pct	2.36%	0.94%	0.72%	0.30%	0.21%	0.10%	0.03%	0.03%	0.00%	0.01%	0.00%
-NNW-	No.	200	102	58	25	9	3	3	0	0	0	0
	Pct	2.31%	1.18%	0.67%	0.29%	0.10%	0.03%	0.03%	0.00%	0.00%	0.00%	0.00%
Calm	No.	52	---	---	---	---	---	---	---	---	---	---
	Pct	0.60%	---	---	---	---	---	---	---	---	---	---
Total	No.	4611	1327	1544	793	436	229	135	58	25	5	7
	Pct	53.50%	15.40%	17.91%	9.20%	5.06%	2.66%	1.57%	0.67%	0.29%	0.06%	0.08%

Total Valid Observations: 8619

Note: Class D includes stability categories (A+B+C+D)

Table 2-40. Deleted per 2008 Update

Table 2-41. Deleted per 2008 Update

Table 2-42. Deleted per 2008 Update

Table 2-43. Deleted per 2008 Update

Table 2-44. Supplemental Data - SF_6 Detector Readings - Test Date: January 28, 1970

Point Number	Time (24 hr. clock)	Recorder Reading (%)
1	2111	56
2	2117	0
9A	2121	0
9B	2124	0
9C	2126	0
8	2131	0
1A	2134	0
1B	2136	0
1C	2138	0
1	2141	0
10A	2145	67
10B	2148	100
10C	2150	0
2A	2153	0
2B	2155	0
2C	2157	0
3	2159	2
3B	2202	0
3C	2205	0
3D	2207	0
3E	2210	0
3F	2213	0
4	2215	0
3	2221	0
2B	2223	0
2	2227	100
10A	2227	100
10C	2230	100
10D	2233	100
10E	2235	100
1D	2238	100

Table 2-45. Deleted per 2008 Update

Table 2-46. Deleted per 2008 Update

Table 2-47. Deleted per 2008 Update

Table 2-48. Deleted per 2008 Update

Table 2-49. Deleted per 2008 Update

Table 2-50. Deleted per 2008 Update

Table 2-51. Deleted per 2008 Update

Table 2-52. Deleted per 2008 Update

Table 2-53. Deleted per 2008 Update

Table 2-54. Deleted per 2008 Update

Table 2-55. Deleted per 2008 Update

Table 2-56. Deleted per 2008 Update

Table 2-57. Deleted per 2008 Update

Table 2-58. Deleted per 2008 Update

Table 2-59. Deleted per 2008 Update

Table 2-60. Deleted per 2008 Update

Table 2-61. Deleted per 2008 Update

Table 2-62. Deleted per 2008 Update

Table 2-63. Deleted per 2008 Update

Table 2-64. Deleted per 2008 Update

Table 2-65. Deleted per 2008 Update

Table 2-66. Deleted per 2008 Update

Table 2-67. Deleted per 2008 Update

Table 2-68. Deleted per 2008 Update

Table 2-69. Deleted per 2008 Update

Table 2-70. Deleted per 2008 Update

Table 2-71. Deleted per 2008 Update

Table 2-72. Deleted per 2008 Update

Table 2-73. Deleted per 2008 Update

Table 2-74. Deleted per 2008 Update

Table 2-75. Deleted per 2008 Update

Table 2-76. Deleted per 2008 Update

Table 2-77. Deleted per 2008 Update

Table 2-78. Deleted per 2008 Update

Table 2-79. Deleted per 2008 Update

Table 2-80. Deleted per 2008 Update

Table 2-81. Deleted per 2008 Update

Table 2-82. Deleted per 2008 Update

Table 2-83. Deleted per 2008 Update

Table 2-84 Deleted per 2008 Update

Table 2-85. Deleted per 2008 Update

Table 2-86. Deleted per 2008 Update

Table 2-87. Deleted per 2008 Update

Table 2-88. Deleted per 2008 Update

Table 2-89. Deleted per 2008 Update

Table 2-90. Deleted per 2008 Update

Table 2-91. Deleted per 2008 Update

Table 2-92. Deleted per 2008 Update

Table 2-93. Soil Permeability Test Results

WELL NO.	h (ft)	r (ft)	$\frac{h}{r}$	T_u (ft)	Q (ft^3/min)	T (°C)	WT Condition	k (ft./min)
NA-4W2	3.83	2.50	1.53 (1)	27.0	0.0175	23.5	Low	3.9×10^{-5}
NA-11AW2	14.0	0.833	16.8	31.0	0.133	20.5	High	3.3×10^{-4}
NA-13W1	6.17	0.833	7.42 (2)	27.0	0.0275	20.0	Low	2.0×10^{-4}
NA-15W1	14.0	0.833	16.8	30.3	0.240	20.5	High	6.1×10^{-4} (3)
NA-15W2	12.25	0.833	14.7	30.5	0.190	21.0	High	5.1×10^{-4}

Note:

1. $\frac{h}{r} << 10$, not acceptable
2. $\frac{h}{r} < 10$, possibly acceptable
3. For manual incremental test, $k = 7.4 \times 10^{-4}$ ft / min

Table 2-94. Significant Earthquakes in the Southeast United States (Intensity V or Greater)

Year	Date	Intensity (Modified Mercalli)	Epicentral Location			Perceptible Area (Square Miles)
			Locality	N.Lat.	W.Long.	
1843	January 4	VIII	Western Tennessee	35.2	90.0	400,000
1857	December 19	Not Listed	Charleston, S.C.	32.8	79.8	Not Listed
1872	June 17	V	Milledgeville, Ga.	33.1	83.3	Not Listed
1874	February 10 April 17	V	McDowell County, N.C.	35.7	82.1	Local
1875	November 1	VI	Northern Georgia	33.8	82.5	25,000
1875	December 22	VII	Arvonia, Virginia	37.6	78.5	50,000
1877	November 16	V	Western N.C. and Eastern Tennessee	35.5	84.0	5,000
1879	December 12	V	Charlotte, N.C.	35.2	80.8	Not Listed
1884	January 18	V	Wilmington, N.C.	34.3	78.0	Local
1885	August 6	IV-V	North Carolina	36.2	81.6	Local
1886	February 4	V	Alabama	32.8	88.0	1,600
1886	August 31	IX-X	Charleston, S.C	32.9	80.0	2,000,000
1886	October 22	VI	Charleston, S.C.	32.9	80.0	30,000
	October 22	VII	Charleston, S.C.	32.9	80.0	30,000
1886	November 5	VI	Charleston, S.C.	32.9	80.0	30,000
1889	July 19	VI	Memphis, Tenn.	35.2	90.0	Local
1897	April 30	IV-V	Tennessee and Ill.	Not Listed	Not Listed	Not Listed
1897	December 18	V	Ashland, Virginia	37.7	77.5	7,500

Year	Date	Intensity (Modified Mercalli)	Epicentral Location			Perceptible Area (Square Miles)
			Locality	N.Lat.	W.Long.	
1900	October 31	V	Jacksonville Fla.	30.4	81.7	Local
1902	October 18	V	Southeastern Tenn. and Northwestern Ga.	35.0	85.3	1,500
1903	January 23	VI	Georgia and S.C.	32.1	81.1	10,000
1904	March 4	V	Eastern Tenn.	35.7	83.5	5,000
1905	January 27-8	VII	Alabama	34	86	250,000
1907	April 19	V	South Carolina	32.9	80.0	10,000
1911	April 20	V	North Carolina- South Carolina Border	35.2	82.7	600
1912	June 12	VII	Summerville, S.C.	32.9	80.0	35,000
1912	June 20	V	Savannah, Georgia	32	81	Not Listed
1913	January 1	VII-VIII	Union County, S.C.	34.7	81.7	43,000
1913	March 28	VII	Eastern Tennessee	36.2	83.7	2,700
1913	April 17	V	Eastern Tennessee	35.3	84.2	3,500
1914	January 23	V	Eastern Tennessee	35.6	84.5	Local
1914	March 5	VI	Georgia	33.5	83.5	50,000
1914	September 22	V	South Carolina	33.0	80.3	30,000
1915	October 29	V	North Carolina	35.8	82.7	1,200
1916	February 21	VI	Western N.C.	35.5	82.5	200,000
1916	August 26	V	Western N.C.	36	81	3,800
1916	October 18	VII	Alabama	33.5	86.2	100,000

Year	Date	Intensity (Modified Mercalli)	Epicentral Location			Perceptible Area (Square Miles)
			Locality	N.Lat.	W.Long.	
1917	June 29	V	Alabama	32.7	87.5	Local
1918	June 21	V	Tennessee	36.1	84.1	3,000
1918	October 15	V	Western Tennessee	35.2	89.2	20,000
1920	December 24	V	Eastern Tennessee	36	85	Local
1924	October 20	V	Pickens County, S.C.	35.0	82.6	56,000
1926	July 8	VI	Southern Mitchell County, N.C.	35.9	82.1	Local
1927	June 16	V	Alabama	34.7	86.0	2,500
1928	November 2	VI	Western N.C.	36.0	82.6	40,000
1931	May 5	V-VI	Northern Alabama	33.7	86.6	6,500
1933	December 19	IV-V	Summerville, S.C.	33.0	80.2	Local
1935	January 1	V	North Carolina- Georgia Border	35.1	83.6	7,000
1939	May 4	V	Anniston, Ala.	33.7	85.8	Not Listed
1941	November 16	V-VI	Covington, Tenn.	35.5	89.7	Local
1945	June 13	V	Cleveland, Tenn.	35	84.5	Not Listed
1945	July 26	VI	Murray Lake, S.C.	34.3	81.4	25,000
1952	November 19	V	Charleston, S.C.	32.8	80.0	Not Listed
1952	July 16	VI	Dyersburg, Tenn.	36.2	89.6	Not Listed
1954	January 22	V	Athens and Etowah, Tennessee	35.3	84.4	Not Listed
1954	April 26	V	Memphis, Tenn.	35.2	90.1	Not Listed
1955	January 25	VI	Tenn-Arkansas- Missouri Border	35.6	90.3	30,000
1955	March 29	VI	Finley, Tenn.	36.0	89.5	Not Listed

Year	Date	Intensity (Modified Mercalli)	Epicentral Location			Perceptible Area (Square Miles)
			Locality	N.Lat.	W.Long.	
1955	September 5	V	Finley, Tenn.	36.0	89.5	Not Listed
1955	September 28	V	Virginia-N.C. Border	Not Listed	Not Listed	1,700
1955	December 13	V	Dyer County, Tenn.	36	89.5	Not Listed
1956	September 7	VI	Eastern Tennessee	35.5	84.0	8,300
1956	January 28	VI	Tennessee-Arkansas Border	35.6	89.6	Not Listed
1957	April 23	VI	Northern Alabama	34.5	86.7	11,500
1957	May 13	VI	Western N.C.	35.7	82	8,100
1957	June 23	V	Eastern Central Tennessee	36.5	84.5	Not Listed
1957	July 2	VI	Western N.C.	35.5	83.5	Not Listed
1957	November 24	VI	North Carolina- Tennessee Border	35	83.5	4,100
1958	March 5	V	Wilmington, N.C.	34.2	77.7	Not Listed
1958	April 8	V	Obion County, Tenn.	36.2	89.1	400
1958	October 20	V	Anderson, S.C.	34.5	82.7	Local
1959	August 3	VI	South Carolina	33	79.5	25,000
1959	August 12	VI	Alabama-Tennessee Border	35	87	2,800
1959	October 26	VI	Northeastern S.C.	34.5	80.2	4,800
1959	December 21	V	Finley, Tenn.	36	89.5	400
1960	January 28	V	Dyer County, Tenn.	36	89.5	Local
1960	March 12	V	Near Coast, S.C.	33	79	3,500
1960	April 15	V	Eastern Tenn.	35.7	84	1,300

Year	Date	Intensity (Modified Mercalli)	Epicentral Location			Perceptible Area (Square Miles)
			Locality	N.Lat.	W.Long.	
1960	April 21	V	Lake County, Tenn.	36.3	89.5	Local
1960	July 23	V	Charleston, S.C.	33	80	Local
1971	July 13	IV-VI	Seneca, S.C.	34 -35	82 -83	Local
1979	August 25	VI	Lake Jocassee, S.C.	35	83	5,800
1979	September 12	V	southwestern North Carolina	35.6	83.9	Not Listed
1980	July 27	VII	NE Kentucky, near Sharpsburg, KY	38.2	83.9	258,000
1980	December 2	VI	northwest Tennessee	36.2	89.4	800
1981	April 9	V	western North Carolina	35.5	82.1	Not Listed
1981	May 5	VI	near Hendersonville, NC	35.3	82.4	4,000
1981	August 7	VI	western Tennessee	36.0	89.1	4,000
1982	September 24	V	eastern Tennessee	35.7	84.3	Not Listed
1982	October 31	V	western Georgia	32.7	84.9	Not Listed
1983	March 25	V	western North Carolina	35.3	82.5	Not Listed
1983	November 6	V	near Charleston, SC	32.9	80.2	Not Listed
1984	February 14	VI	eastern Tennessee	36.1	83.7	Local
1984	August 17	V	central Virginia	37.9	78.3	Not Listed
1984	October 9	VI	near Ringgold, GA	34.8	85.2	3,100
1986	July 11	VI	northwest GA, near Chattanooga, TN	34.9	85.0	5,000
1986	December 10	V	central Virginia	37.6	77.5	25
1987	March 27	VI	near Greenback, TN	35.6	84.2	9,000
1987	July 11	V	eastern Tennessee	36.1	83.8	Not Listed

Year	Date	Intensity (Modified Mercalli)	Epicentral Location			Perceptible Area (Square Miles)
			Locality	N.Lat.	W.Long.	
1988	January 23	V	near Charleston, SC	32.9	80.2	Not Listed
1988	September 7	VI	NE Kentucky, near Sharpsburg, KY	38.1	83.9	40,000
1989	August 20	VI	near Littleville, AL	34.7	87.7	2,300
1990	November 13	V	near Charleston, SC	32.9	80.0	Not Listed

Table 2-95. Velocity Measurements

Boring	Depth of Core	Rock Description	Velocity (ft/sec)	Specific Gravity
NA-9	8.5'	Weathered Granite Gneiss	5,270	2.44
NA-4	31.0'	Granite Gneiss	11,900	2.85
NA-4	66.0'	Biotite Hornblende Gneiss	10,000	2.65
NA-9	90.0'	Granite Gneiss	10,100	2.68

Table 2-96. Core Measurements

Boring	Depth of Core	Description of Rock	Average Young's Modulus (E) (psi)	Average Poisson's Ration (σ)	Ultimate Crushing Strength (psi)
NA-4	14.0'	Weathered Granite Gneiss	1.5×10^6	(0.50) [1] (0.28)	5,000
NA-9	26.5'	Weathered Granite Gneiss	1.8×10^6	0.15	6,610
NA-9	41.0'	Slightly Weathered Granite Gneiss	2.4×10^6	0.20	7,540
NA-4	47.5'	Granite Gneiss	4.8×10^6	0.18	15,520
NA-9	55.0'	Biotite Hornblende Gneiss	4.1×10^6	0.11	[3]
NA-9	59.5'	Granite Gneiss	5.1×10^6	0.20[2]	16,480
NA-9	71.5'	Biotite Hornblende Gneiss	(3.2×10^6)[1] (11.4×10^6)	0.21	8,270
NA-9	98.0'	Granite Gneiss	5.9×10^6	0.20	12,320

Note:

1. Values are too far apart to average.
2. Single value, other strain gauge set did not work.
3. End failure on weak area of core, value approximately 11,000.