NILU OR: 72/90

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REFERANSE : O-8365
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Meteorologiske data fra Nedre Telemark, høsten 1989

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SAMMENDRAG

På oppdrag fra Statens forurensningstilsyn (SFT) er det foretatt en bearbeiding av de meteorologiske målingene fra Ås i nedre Telemark for perioden 01.09.89-30.11.89.

Høsten 1989 blåste det oftest fra vest-nordvest (19,2%). Gjennomsnittet av de ti tidligere høstperiodene ga hovedvindretning nord-nordvest. Gjennomsnittlig vindstyrke på 2,9 m/s var 0,1 m/s lavere enn normalt.

Fordelingen av stabilitetsklassene avvek litt fra det som har vært vanlig de ti siste årene. Det var færre tilfeller av lett stabil og stabil temperatursjiktning, mens det var flere tilfeller av nøytral og ustabil sjiktning enn det som har vært vanlig tidligere. De stabile tilfellene forekom som vanlig oftest om natten ved vinder fra nordvest, mens nøytral og ustabil sjiktning forekom oftest på dagtid.

September, oktober og november 1989 var varmere enn gjennomsnittet for de ti siste årene. Middeltemperaturen for september var 0,7°C varmere, mens oktober og november var henholdsvis 0,9°C og 1,8°C varmere enn gjennomsnittet for de ti siste årene.

INNHOLD

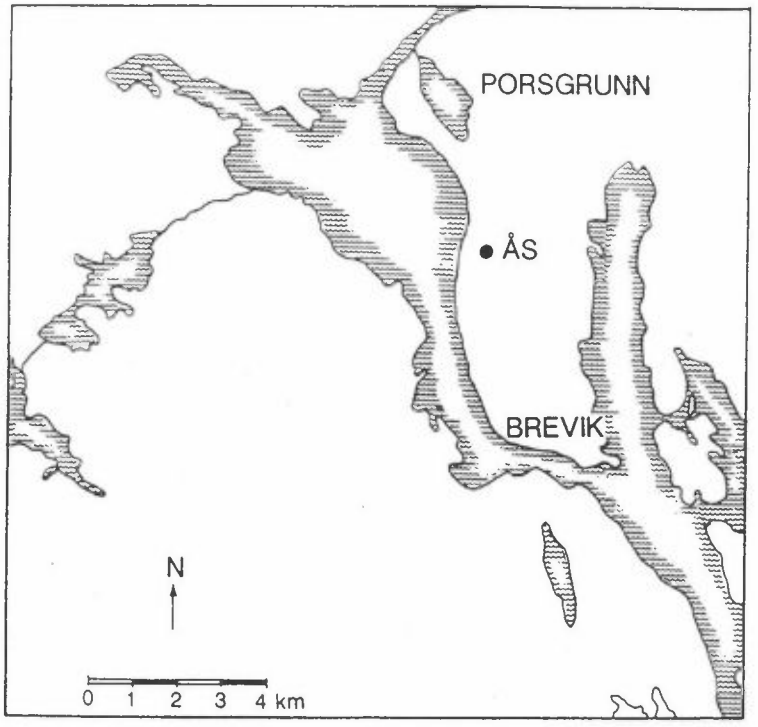
METEOROLOGISKE DATA FRA NEDRE TELEMARK, HØSTEN 1989

1 INNLEDNING

Denne presentasjonen av meteorologiske data fra nedre Telemark i perioden 1.9.89-30.11.89 (høst), er et ledd i det koordinerte måleprogram av meteorologi og spredningsforhold i området. Bearbeidelsen er utført på oppdrag fra Statens forurensningstilsyn, kontrollseksjonen nedre Telemark, og er en videreføring av tidligere tilsendte data (se referanselisten). NILU har også gjort en samlet bearbeidelse av meteorologiske data fra Ås i perioden 1976-87 på oppdrag fra Norsk Hydro (Haugsbakk og Sivertsen, 1988).

2 INSTRUMENTERING, STASJONSPLASSERING

Målestasjonens plassering er angitt i figur 1.



Figur 1: Lokalisering av den meteorologiske målestasjonen på Ås i nedre Telemark.

Meteorologiske data måles ved hjelp av NILUs automatiske værstasjon (AWS) med 25 m høy mast og direkte oppringt samband til NILU. Dataene blir lagret som timesmiddelverdier. Stasjonen er plassert 90 m o.h.

Følgende meteorologiske parametere blir målt:

Vindretning, 25 m over bakken ..... (DD-25)
Vindstyrke, 25 m over bakken ..... (FF-25)
Vindkast, høyeste 1 sekund-midlet vindstyrke hver time (GUST1)
Vindkast, høyeste 3 sekund-midlet vindstyrke hver time (GUST3)
Turbulens, standardavvik i vindretningsfluktuasjonen
midlet over 5 min) ..... (SIGK)
Turbulens, standardavvik i vindretningsfluktuasjonen
midlet over 1 time) ..... (SIGKL)
Temperatur, 25 m over bakken ..... (T-25)
Temperatur, 2 m over bakken ..... (T-2)
Stabilitet, temperaturdifferanse mellom 25 m og 10 m .. (DT)
Relativ fuktighet, 2 m over bakken ..... (RH-2)

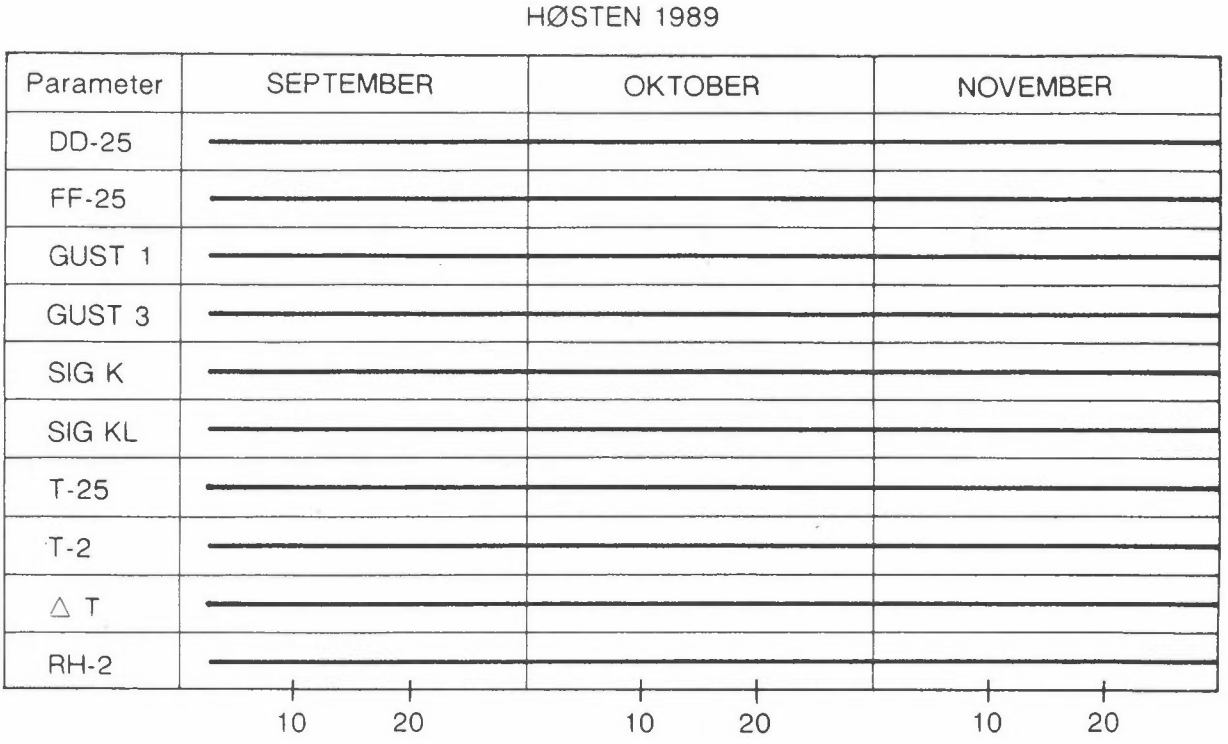
Alle timesmiddelverdiene er presentert i vedlegg C.

3 DATATILGJENGELIGHET/KVALITET

Figur 2 viser datatilgjengeligheten for de ulike meteorologiske parametere på Ås høsten 1989.

Datatilgjengeligheten var 98,3% for alle parametrene. Manglende data i begynnelsen av september skyldes feil ved modemet på Ås.

De data som er brukt i denne rapporten er korrigert og antas å være av god kvalitet.



Figur 2: Datatilgjengelighet for de ulike meteorologiske parametre. Manglende data i kortere perioder enn 8 timer er ikke avmerket på figuren.

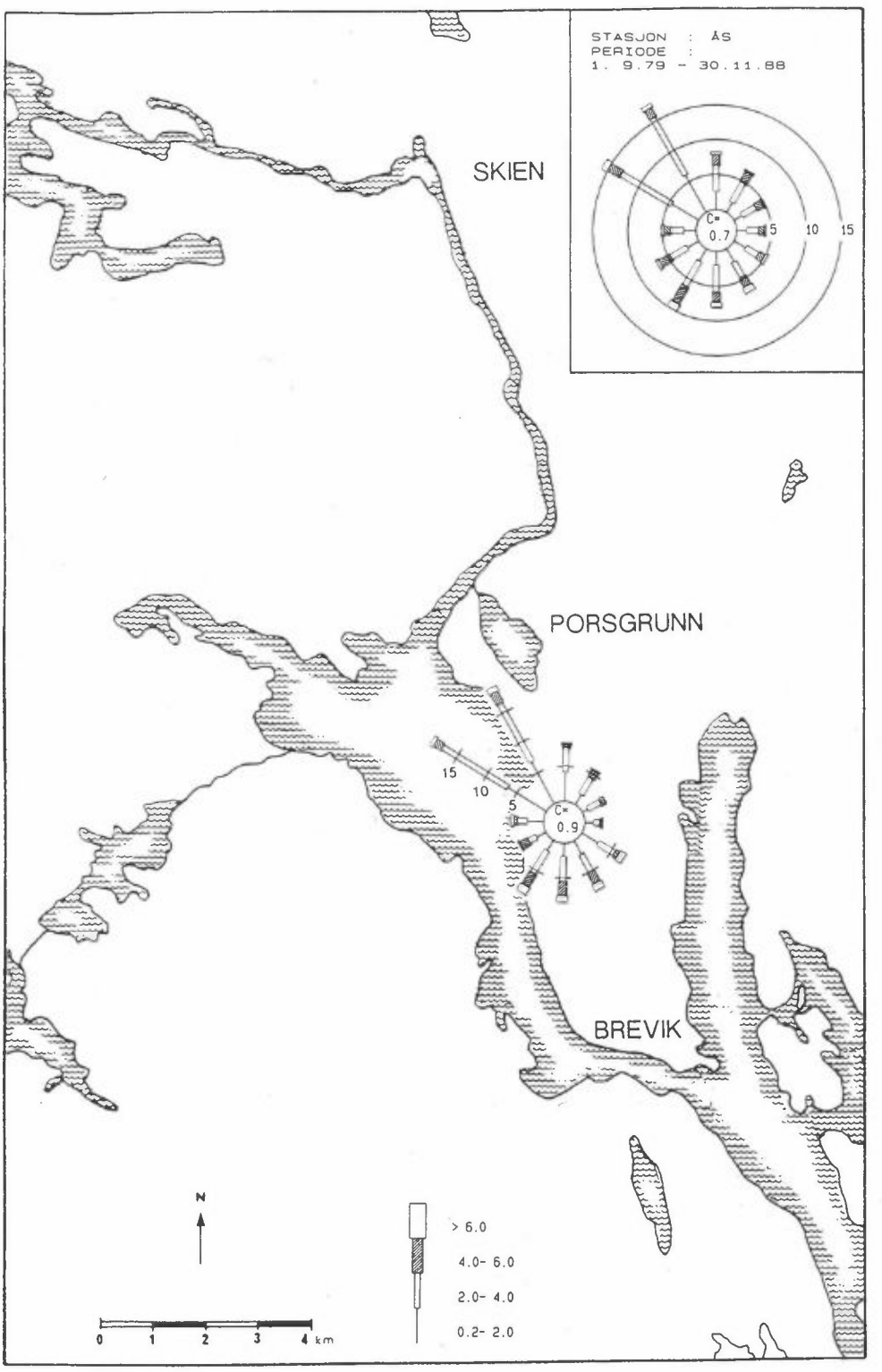
4 VINDFORHOLD

4.1 VINDRETNING

Vindrose fra Ås for høsten 1989 er vist i figur 3 sammen med rosen for de ti høstperiodene 1979-1988.

Kvartalsvise vindfrekvensfordelinger (i %) er også presentert i tabellene A1-A2. Vindobservasjoner fra Ås er dessuten presentert som månedsvise frekvensfordelinger i tabell A3.

Høsten 1989 blåste det oftest fra vest-nordvest. Dette avviker lite fra vindretningsfordelingen for de ti tidligere høstperiodene. Hyppigheten av vind fra vest-nordvest var litt større høsten 1989 enn tidligere. Dominerende vindretning var vest-nordvest for september og oktober, mens i november blåste det oftest fra nord-nordvest.

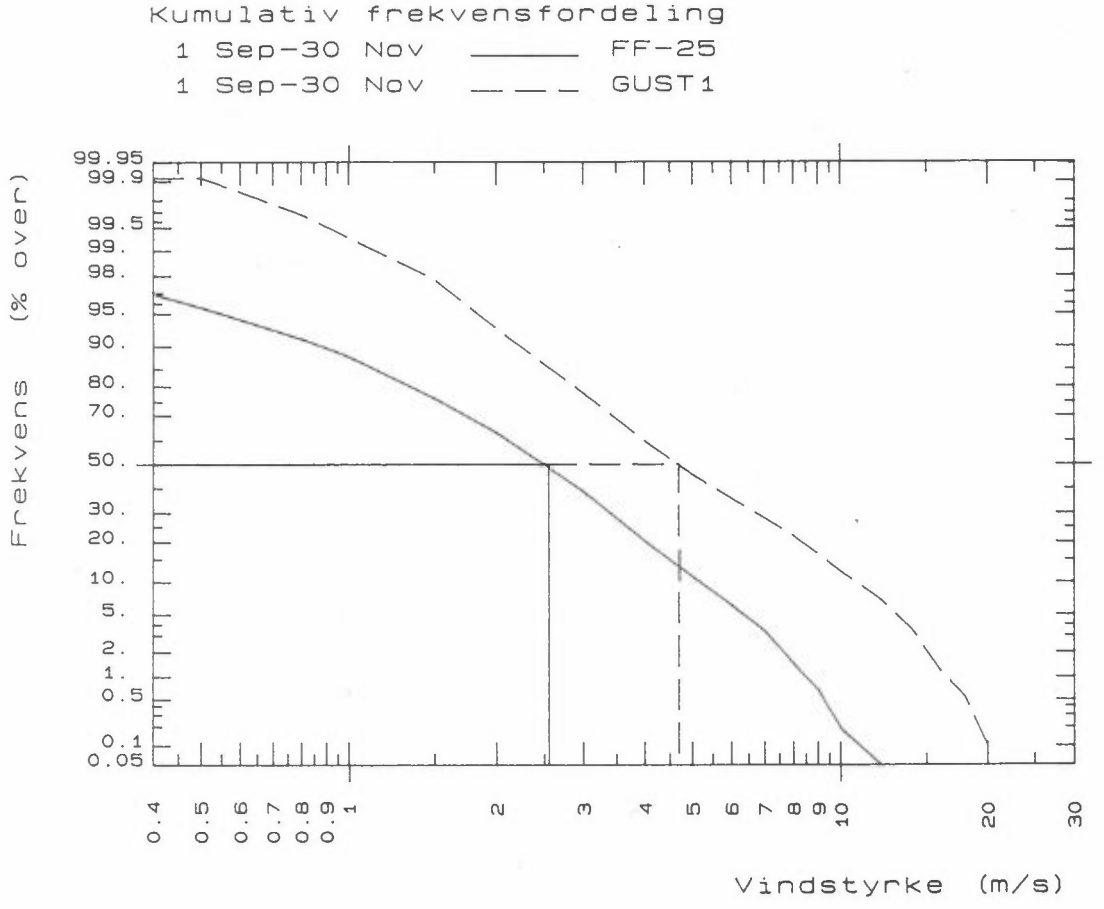


Figur 3: Vindroser (frekvens av vind i % i 12 sektorer) for høsten 1989 og for høstperiodene 1979-1988.
C = vindstillefrekvens.

4.2 VINDSTYRKE

Middelvindstyrken for høsten 1989 (2,9 m/s) var 0,1 m/s lavere enn gjennomsnittet for høstperiodene 1979-1988. Gjennomsnittlige vindstyrker var for september 2,6 m/s, oktober 3,0 m/s og november 3,1 m/s. Sammenlignet med tiårsnormalene for hver måned lå september 0,3 m/s under, oktober 0,2 m/s under, mens november hadde lik vindstyrke som gjennomsnittet av de ti siste årene.

Figur 4 viser den kvartalsvise vindstyrkefordelingen ved Ås. Vindstyrker over 6 m/s forekom i 6,5% av tiden. Svake vinder, mindre enn 2 m/s, forekom i 33,5% av tiden. I gjennomsnitt blåste det svakest ved vind fra nord (2,2 m/s), og kraftigst blåste det fra sør-sørvest (3,8 m/s).

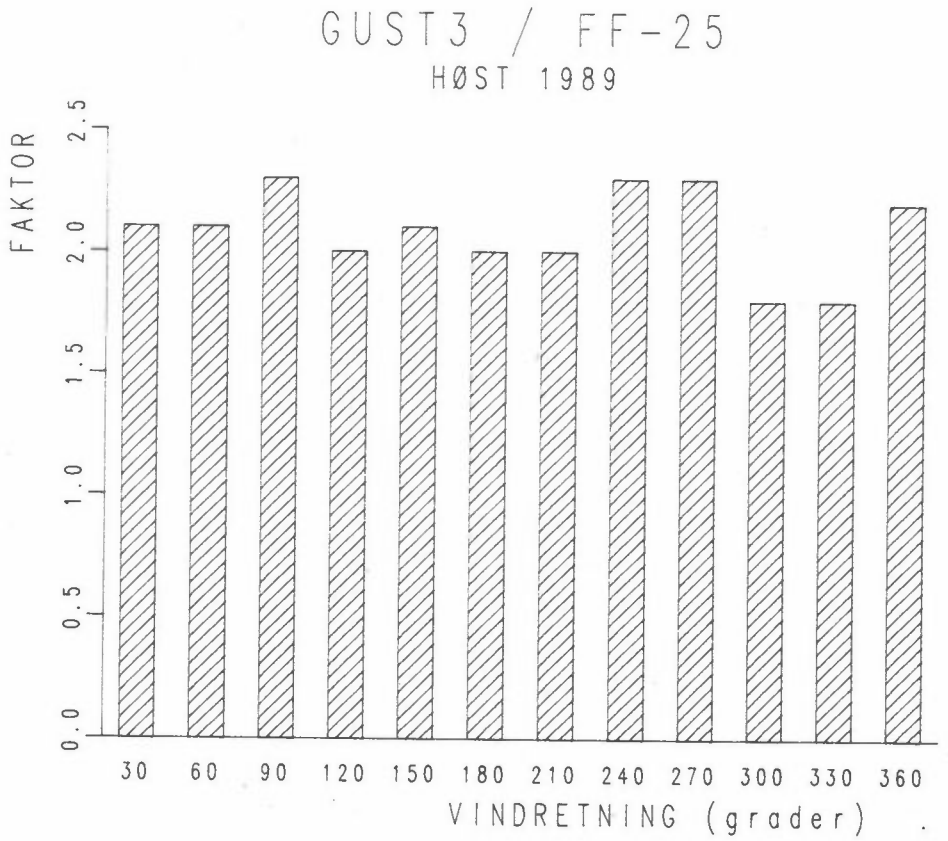


Figur 4: Kumulativ frekvensfordeling av vindstyrke og 1 sekunds gust ved Ås høsten 1989. Figuren viser frekvens av vindstyrke større enn verdiene angitt på x-aksen.

4.3 VINDKAST (GUST)

Den høyeste vindstyrken midlet over 1 sekund (GUST1) og 3 sekunder (GUST3), registreres hver time. Figur 4 viser den kumulative fordelingen av GUST1 for høsten 1989.

Figur 5 viser forholdet mellom GUST3 og timemidlet vindstyrke (FF-25) ved forskjellige vindretninger. Forholdet GUST3/FF-25 ligger hele tiden nær en faktor 2. Det gjennomsnittlige forholdet høsten 1989 var 2,1, og forholdet var størst ved vind fra vest-sørvest, og øst med faktor 2,3. Den laveste verdien (1,8) ble registrert ved vind fra vest-nordvest. For vind fra udefinert retning, det vil si vindstyrker lavere enn 0,3 m/s, steg dette forholdet kraftig. Forholdet GUST3/FF-25 var minst da det blåste fra den vindsektoren som hadde høyest vindfrekvens (se figur 3 og 5).



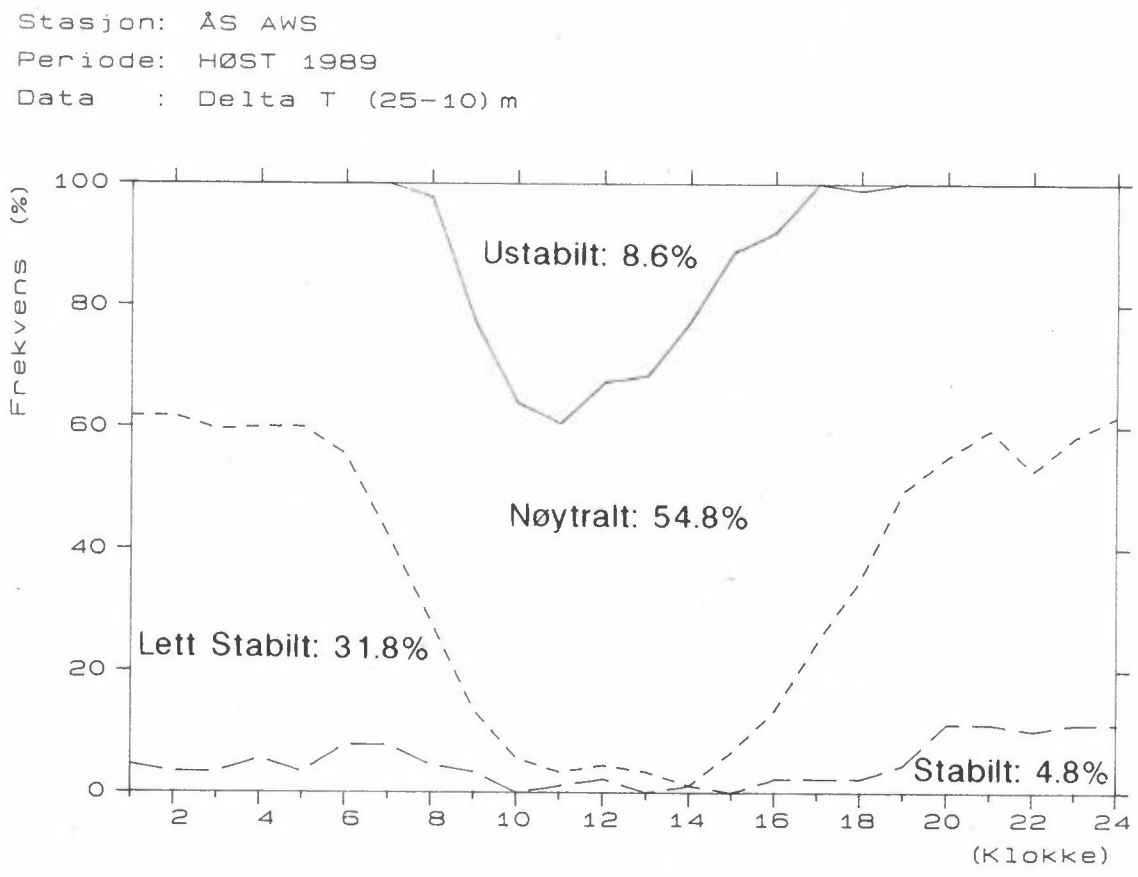
Figur 5: Forholdet mellom 3 sekunds gust (GUST3) og timesmidlet vindstyrke (FF-25) ved de ulike vindretningene, høsten; 1989.

Det kraftigste vindkastet ble registrert 2. oktober kl 09, og var 25,4 m/s for GUST1 og 22,8 m/s for GUST3. Middelvindstyrken for denne timen var 13,3 m/s.

5 STABILITETSFORHOLD

Stabilitetsforholdene i fire klasser er fordelt over døgnet i tabellene A4-A5 og vist i figur 6, basert på temperaturdifferansen mellom 25 m og 10 m (dT). Stabilitetsklassene er definert ved:

Ustabilt	:	$dT \leq -0,5$
Nøytralt	:	$-0,5 < dT \leq 0$
Lett stabilt:		$0 < dT \leq 0,5$
Stabilt	:	$0,5 < dT$



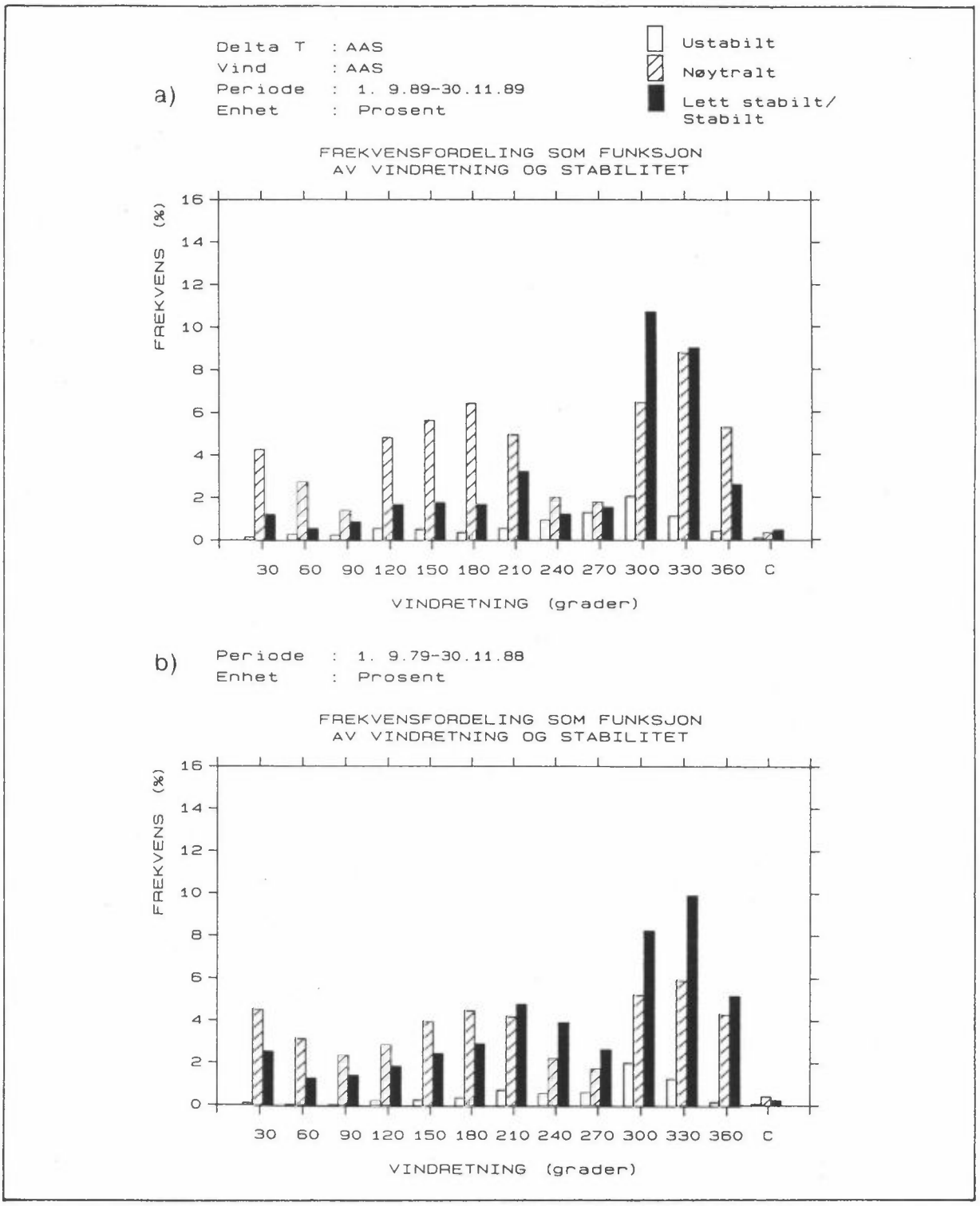
Figur 6: Døgnfordelingen av fire stabilitetsklasser basert på målinger av temperaturforskjellen mellom 25 m og 10 m i masten på Ås 1.9.89-30.11.89.

Høsten 1989 var det 4,8% stabil, 31,8% lett stabil, 54,8% nøytral og 8,6% ustabil temperatursjiktning. Denne fordelingen gir langt flere tilfeller av ustabil og nøytral sjiktning enn gjennomsnittet for de ti siste årene, mens det var færre tilfeller av lett stabil og stabil temperatursjiktning enn det som tidligere har vært vanlig.

6 FREKVENS AV VIND/STABILITET

Tabell A6 gir frekvensen (i %) i 196 klasser av vind og stabilitet, basert på stabilitetsdata og vinddata fra 25 m masten på Ås for høsten 1989 og høstperiodene 1979-1988. Tabell A7 gir månedsvise frekvensfordelinger.

Figur 7 viser frekvensen av ustabil, nøytral og stabil (lett stabil + stabil) sjiktning som funksjon av vindretningen. Figuren viser at stabile tilfeller (inversjoner) høsten 1989 oftest forekom ved vind fra vest-nordvest og nord-nordvest. Tabell A6a viser at vindstyrken da stort sett var lavere enn 4 m/s. Dette representerer vanligvis de stabile nattsituasjonene. De ustabile situasjonene forekom også oftest ved vind fra vest-nordvest og nord-nordvest. Høstperiodene 1979-88 hadde, som høsten 1989, de fleste stabile tilfellene ved vind fra sektorene vest-nordvest og nord-nordvest, men frekvensen var høyere i 1989 enn tidligere.

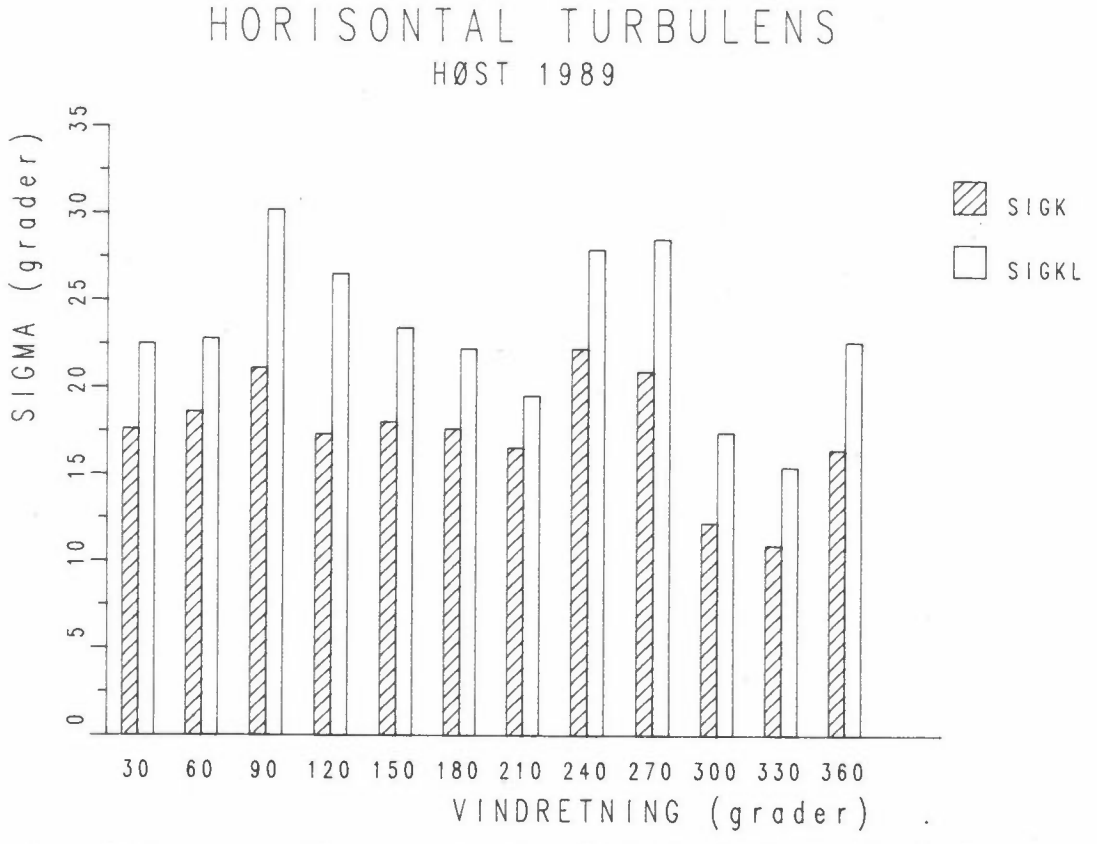


Figur 7: Frekvens av ustabil, nøytral og stabil (lett stabil + stabil) sjiktning som funksjon av vindretningen ved Ås.
a) høsten 1989
b) høstperiodene 1979-1988

7 HORISONTAL TURBULENS

Standardavviket av den horisontale vindretningsfluktuasjonen σ_θ observert 25 m over bakken er et mål for den horisontale spredningen av luftforurensninger.

Midlere verdier av σ_θ (horisontal turbulens) er gitt i tabell AB. Verdiene er gitt i klasser av vindretning, vindstyrke og stabilitet. Tabellen viser at σ_θ er høyest ved svake vinder (0-2 m/s). I figur 8 er midlere verdier av σ_θ plottet som funksjon av vindretningen. SIGK betyr σ_θ midlet over 5 minutter mens SIGKL er et timesmiddel som i tillegg til SIGK også tar inn de langperiodiske vindretningsfluktuasjonene.

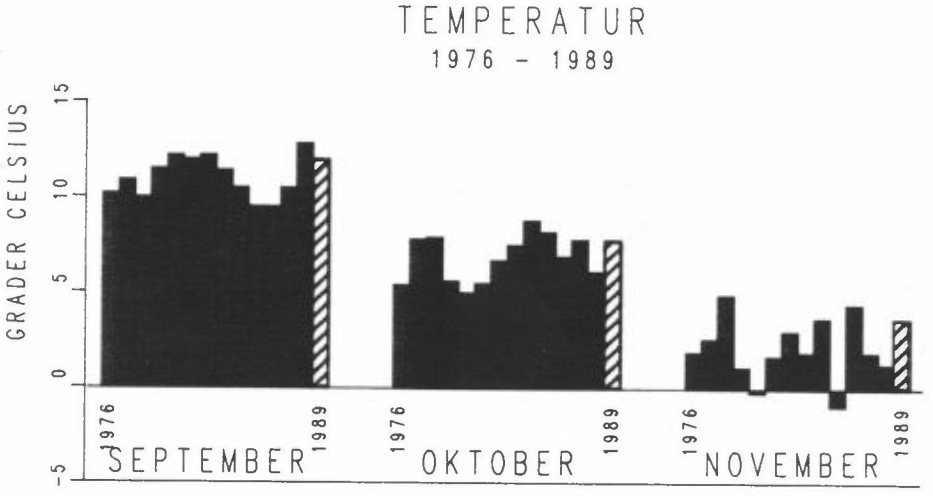


Figur 8: Midlere verdier av horisontal turbulens (σ_θ) i grader som 5 minutters middel (SIGK) og timesmiddel (SIGKL) som funksjon av vindretningen, høsten 1989.

Figur 8 viser at σ_θ var lavest ved vind fra vest-nordvest og nord-nordvest. Dette er i samsvar med de retningene hvor det var registert flest tilfeller av stabil sjiktning og hvor en hadde minst tidsvariabel vind (GUST3/FF-25 lav verdi). Spredningsforholdene var dårligst ved disse vindretningene.

8 TEMPERATUR

I figur 9 er det plottet månedsmiddeltemperaturer for høstmånedene fra 1976 til 1989.



Figur 9: Månedsvis middeltemperatur for høstmånedene 1976-1989 i °C.

Tabell 1 viser månedsvis middeltemperatur for høsten 1989 sammenlignet med tiårsnormalen for hver måned.

September var 0,7° C varmere enn gjennomsnittet de ti siste årene. Oktober var 0,9° C varmere og november var 1,8° C varmere enn tiårsnormalen.

Den høyeste temperaturen ble målt den 06.09.89 kl 14 til 24,7° C. Den laveste temperaturen ble målt den 25.11.90 kl 04 til -7,5° C.

Tabell 1: Månedsvis middeltemperatur for høsten 1989 og middel for de ti siste årene for de respektive månedene i °C

Måned	TEMPERATUR 2 m o.b. (°C)	
	1989	1979-1988
September	11,9	11,2
Oktober	7,7	6,8
November	3,6	1,8

Fullstendig månedsvis temperaturstatistikk for perioden 01.09.89-30.11.89 finnes i tabell A9.

9 RELATIV FUKTIGHET

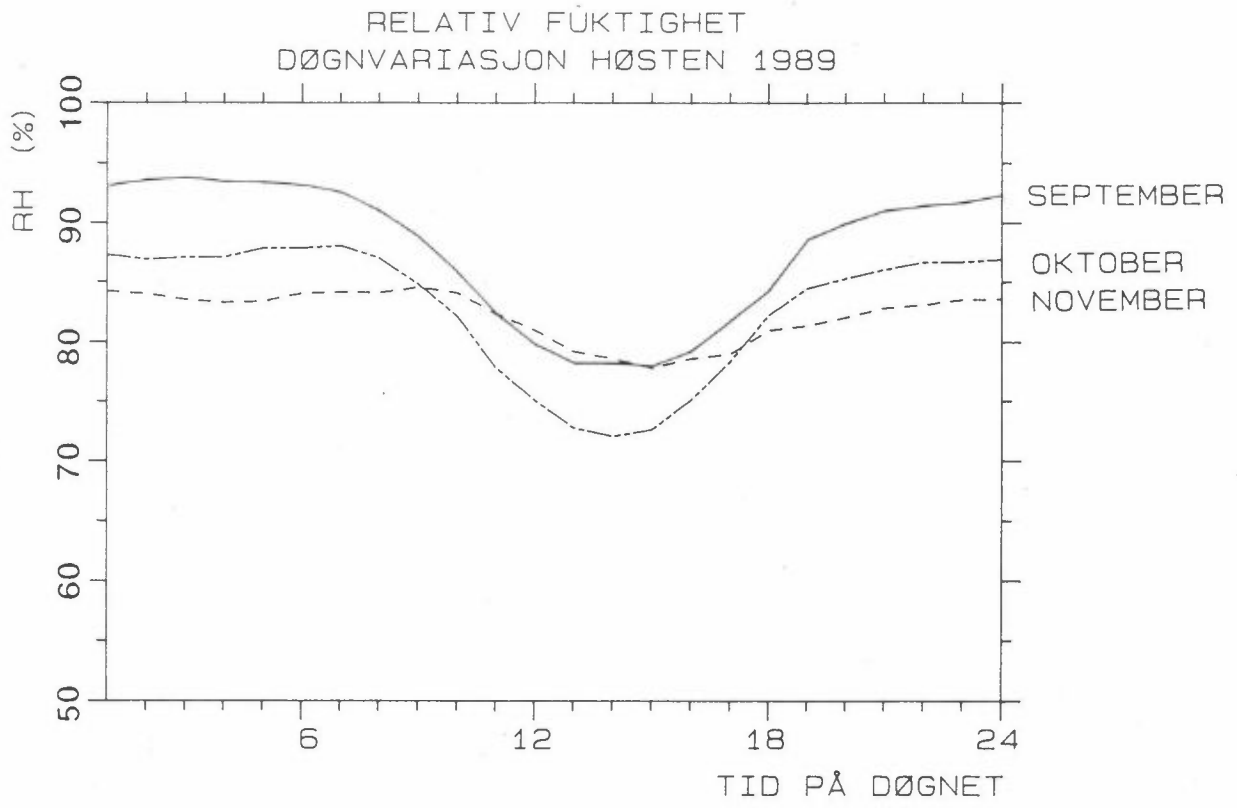
Tabell 2 viser månedsvis midlere relativ fuktighet for høsten 1989 sammenlignet med tiårsnormalen for hver måned.

Tabell 2: Månedsvis midlere relativ fuktighet for høsten 1989 og middelverdier for de ti siste årene for de respektive månedene i prosent.

Måned	RELATIV FUKTIGHET 2 m o.b.(%)	
	1989	10 års normal 1979-1988
September	88	80
Oktober	83	83
November	82	80

I figur 10 er relativ fuktighet for hver av høstmånedene fordelt over døgnet. Alle de tre høstmånedene hadde lavest fuktighet om dagen og høyest om natten. Denne døgnvariasjonen øker med økt solintensitet. September hadde størst variasjon. Fuktigheten varierte da i gjennomsnitt fra 79% om dagen til 94% om

natten. I oktober varierte fuktigheten fra 76% om dagen til 89% om morgenen, og i november fra 79% om dagen til 85% om natten.



Figur 10: Døgnfordeling av relativ fuktighet (%) for september, oktober og november 1989.

Fullstendig statistisk fordeling av den relative fuktigheten for høsten 1989 finnes i tabell A10.

10 REFERANSER

Arnesen, K., Friberg, A.G., Sivertsen, B., Skaug, K., Hoem, K. og Gustavsen, G.W. (1978-89) Meteorologiske data fra nedre Telemark. Lillestrøm (NILU OR).

Periode:		Rapport nr.
Høsten	1977	OR 8/78
Vinteren	1977-78	OR 21/78
Våren	1978	OR 9/79
Sommeren	1978	OR 12/79
Høsten	1978	OR 13/79
Vinteren	1978-79	OR 27/79
Våren	1979	OR 30/79
Sommeren	1979	OR 3/80
Høsten	1979	OR 10/80
Vinteren	1979-80	OR 18/80
Våren	1980	OR 39/80
Sommeren	1980	OR 2/81
Høsten	1980	OR 15/81
Vinteren	1980-81	OR 21/81
Våren	1981	OR 48/81
Sommeren	1981	OR 11/82
Høsten	1981	OR 51/82
Vinteren	1981-82	OR 2/83
Våren	1982	OR 8/83
Sommeren	1982	OR 11/83
Høsten	1982	OR 22/83
Vinteren	1982-83	OR 39/83
Våren	1983	OR 58/83
Sommeren	1983	OR 3/84
Høsten	1983	OR 32/84
Vinteren	1983-84	OR 50/84
Våren	1984	OR 65/84
Sommeren	1984	OR 13/85
Høsten	1984	OR 39/85
Vinteren	1984-85	OR 52/85
Våren	1985	OR 73/85
Sommeren	1985	OR 32/86
Høsten	1985	OR 37/86
Vinteren	1985-86	OR 3/87
Våren	1986	OR 94/86
Sommeren	1986	OR 9/87
Høsten	1986	OR 43/87
Vinteren	1986-87	OR 60/87
Våren	1987	OR 79/87
Sommeren	1987	OR 60/88
Høsten	1987	OR 74/88
Vinteren	1987-88	OR 85/88
Våren	1988	OR 13/89
Sommeren	1988	OR 54/89
Høsten	1988	OR 69/89
Vinteren	1988-89	OR 74/89
Våren	1989	OR 5/90
Sommeren	1989	OR 71/90

Haugsbakk, I. og Sivertsen, B. (1988) Meteorologiske data fra Ås, nedre Telemark 1976-1987. Lillestrøm (NILU OR 75/88).

VEDLEGG A

Meteorologiske tabeller

Tabell A1: Vindfrekvenser (vindrose) fra Ås høsten 1989.

Stasjon : AAS
Periode : 01.09.89 - 30.11.89

FORDELING AV VINDRETNINGER OVER DØGNET (%)

*) Vind-retning	Klokkeslett 01	04	07	10	13	16	19	22	Vind-rose
30	5.6	3.3	2.2	7.9	5.6	4.5	6.7	5.6	5.6
60	2.2	6.7	4.4	4.5	2.2	4.5	2.2	3.4	3.6
90	3.4	3.3	.0	.0	3.4	2.2	3.4	2.2	2.5
120	3.4	3.3	6.7	6.7	10.1	7.9	9.0	3.4	7.1
150	6.7	8.9	5.6	7.9	11.2	12.4	10.1	5.6	7.9
180	3.4	5.6	3.3	4.5	11.2	18.0	12.4	7.9	8.5
210	14.6	6.7	7.8	6.7	3.4	10.1	14.6	10.1	8.7
240	3.4	3.3	4.4	3.4	4.5	4.5	3.4	4.5	4.2
270	4.5	.0	5.6	7.9	9.0	5.6	3.4	3.4	4.6
300	25.8	28.9	23.3	19.1	13.5	6.7	14.6	21.3	19.2
330	18.0	22.2	28.9	21.3	14.6	13.5	10.1	20.2	18.9
360	7.9	7.8	7.8	10.1	9.0	9.0	7.9	12.4	8.3
Stille	1.1	.0	.0	.0	2.2	1.1	2.2	.0	.9
Ant.obs	(89)	(90)	(90)	(89)	(89)	(89)	(89)	(89)	(2140)
Midlere vind m/s	2.8	2.8	2.8	2.8	3.1	3.2	2.9	2.7	2.9

VINDSTYRKEKLASSER FORDELT PÅ VINDRETNING (%)

Klasse I: Vindstyrke .3 - 2.0 m/s
Klasse II: Vindstyrke 2.1 - 4.0 m/s
Klasse III: Vindstyrke 4.1 - 6.0 m/s
Klasse IV: Vindstyrke > 6.0 m/s

*) Vind-retning	Klasser I	II	III	IV	Total	Nobs	Midlere vind m/s
30	1.6	2.6	1.2	.2	5.6	(120)	2.9
60	.8	2.0	.8	.0	3.6	(77)	3.0
90	1.3	.8	.3	.1	2.5	(54)	2.5
120	2.7	2.8	.7	.9	7.1	(151)	2.9
150	2.1	2.8	1.9	1.0	7.9	(169)	3.5
180	1.9	3.6	2.1	.9	8.5	(181)	3.5
210	1.7	3.7	2.1	1.1	8.7	(187)	3.8
240	1.5	1.2	1.3	.2	4.2	(89)	3.0
270	2.3	1.4	.5	.5	4.6	(99)	2.7
300	6.4	11.0	1.3	.5	19.2	(411)	2.6
330	6.8	9.5	1.8	.8	18.9	(405)	2.7
360	4.2	3.4	.5	.2	8.3	(178)	2.2
Stille					.9	(19)	
Total	33.5	44.7	14.4	6.5	100.0	(2140)	
Midlere vind m/s	1.3	2.9	4.8	7.4			2.9

*) Dette tallet angir sentrum av vindsektor

Tabell A2: Vindfrekvenser (vindrose) fra Ås høstperiodene 1979-1988.

Stasjon : AAS
Periode : 01.09.79 - 30.11.88

FORDELING AV VINDRETNINGER OVER DØGNET (%)

*) Vind-retning	Klokkeslett 01	04	07	10	13	16	19	22	Vind-rose
30	7.1	5.3	5.5	5.7	7.0	8.3	7.3	6.7	6.6
60	3.6	4.8	6.0	5.1	4.6	5.2	4.6	4.6	4.8
90	3.2	4.2	4.1	3.5	4.2	4.5	3.8	4.2	4.1
120	4.2	5.1	4.7	5.7	6.7	7.0	5.6	4.1	5.3
150	5.4	5.4	5.5	6.8	10.1	10.3	7.8	5.4	7.0
180	7.7	6.2	6.1	6.2	7.5	12.7	10.4	7.0	8.0
210	10.1	8.5	8.1	10.8	9.8	10.3	12.2	9.0	9.9
240	6.7	7.7	6.3	6.2	7.6	6.6	7.6	8.1	6.8
270	5.0	5.1	3.7	3.4	5.7	6.5	6.7	6.5	5.1
300	16.4	16.9	18.2	18.2	14.7	10.4	11.9	17.1	15.8
330	21.1	21.4	21.8	18.9	14.5	10.6	13.8	18.0	17.6
360	8.9	8.7	9.2	8.7	7.0	7.1	7.6	8.7	8.1
Stille	.7	.7	.7	.7	.5	.6	.6	.7	.7
Ant.obs	(835)	(828)	(830)	(824)	(825)	(829)	(833)	(832)	(****)
Midlere vind m/s	2.9	2.9	2.9	3.0	3.2	3.3	3.1	3.0	3.0

VINDSTYRKEKLASSER FORDELT PÅ VINDRETNING (%)

Klasse I: Vindstyrke .3 - 2.0 m/s
Klasse II: Vindstyrke 2.1 - 4.0 m/s
Klasse III: Vindstyrke 4.1 - 6.0 m/s
Klasse IV: Vindstyrke > 6.0 m/s

*) Vind-retning	Klasser I	II	III	IV	Total	Nobs	Midlere vind m/s
30	1.6	3.1	1.7	.2	6.6	(1318)	3.2
60	1.3	2.3	1.1	.2	4.8	(955)	3.1
90	1.4	1.7	.8	.2	4.1	(821)	2.9
120	1.9	2.0	1.0	.4	5.3	(1056)	3.0
150	2.1	2.5	1.5	.9	7.0	(1396)	3.4
180	2.0	3.8	1.5	.7	8.0	(1597)	3.3
210	2.0	4.0	2.9	.9	9.9	(1967)	3.6
240	1.9	2.7	1.8	.4	6.8	(1360)	3.2
270	1.8	1.9	1.0	.5	5.1	(1021)	3.1
300	4.6	8.4	2.0	.8	15.8	(3153)	2.9
330	6.0	9.4	1.5	.5	17.6	(3498)	2.6
360	2.6	3.6	1.6	.4	8.1	(1620)	2.9
Stille					.7	(144)	
Total	29.2	45.5	18.6	6.1	100.0	(****)	
Midlere vind m/s	1.4	2.9	4.8	7.1			3.0

*) Dette tallet angir sentrum av vindsektor

Tabell A3: a) Vindfrekvenser (vindrose) fra Ås for september 1989.
b) Vindfrekvenser (vindrose) fra Ås for oktober 1989.
c) Vindfrekvenser (vindrose) fra Ås for november 1989.

a)

Stasjon : AAS
Periode : 01.09.89 - 30.09.89

FORDELING AV VINDRETNINGER OVER DØGNET (%)

*) Vind-retning	Klokkeslett 01	04	07	10	13	16	19	22	Vind-rose
30	3.6	.0	.0	3.6	7.1	3.6	3.6	3.6	3.7
60	.0	3.4	3.4	14.3	3.6	3.6	3.6	3.6	3.7
90	.0	3.4	.0	.0	.0	3.6	7.1	.0	2.8
120	.0	.0	3.4	.0	17.9	10.7	14.3	7.1	7.5
150	3.6	3.4	.0	7.1	21.4	17.9	14.3	7.1	7.7
180	3.6	6.9	3.4	7.1	10.7	28.6	17.9	7.1	10.8
210	17.9	6.9	10.3	10.7	3.6	3.6	17.9	7.1	9.8
240	3.6	3.4	.0	.0	3.6	.0	.0	3.6	2.8
270	3.6	.0	6.9	7.1	7.1	7.1	3.6	10.7	5.2
300	42.9	34.5	27.6	21.4	10.7	14.3	14.3	21.4	23.2
330	14.3	31.0	37.9	14.3	10.7	7.1	3.6	21.4	16.1
360	7.1	6.9	6.9	14.3	3.6	.0	.0	7.1	6.2
Stille	.0	.0	.0	.0	.0	.0	.0	.0	.4
Ant.obs	(28)	(29)	(29)	(28)	(28)	(28)	(28)	(28)	(676)
Midlere vind m/s	2.6	2.5	2.2	2.1	3.1	3.0	2.7	2.2	2.6

VINDSTYRKEKLASSER FORDELT PÅ VINDRETNING (%)

Klasse I: Vindstyrke .3 - 2.0 m/s
Klasse II: Vindstyrke 2.1 - 4.0 m/s
Klasse III: Vindstyrke 4.1 - 6.0 m/s
Klasse IV: Vindstyrke > 6.0 m/s

*) Vind-retning	Klasser I	II	III	IV	Total	Nobs	Midlere vind m/s
30	1.3	1.9	.4	.0	3.7	(25)	2.3
60	1.5	2.2	.0	.0	3.7	(25)	2.3
90	1.8	1.0	.0	.0	2.8	(19)	1.6
120	2.7	4.7	.1	.0	7.5	(51)	2.3
150	2.1	4.9	.7	.0	7.7	(52)	2.5
180	1.9	5.6	2.4	.9	10.8	(73)	3.4
210	1.9	4.4	2.5	.9	9.8	(66)	3.6
240	1.2	1.2	.4	.0	2.8	(19)	2.4
270	2.7	1.5	.3	.7	5.2	(35)	2.7
300	7.5	13.5	2.1	.1	23.2	(157)	2.5
330	6.7	9.2	.3	.0	16.1	(109)	2.2
360	3.8	2.4	.0	.0	6.2	(42)	1.8
Stille					.4	(3)	
Total	35.1	52.5	9.3	2.7	100.0	(676)	
Midlere vind m/s	1.3	2.8	4.7	6.9			2.6

*) Dette tallet angir sentrum av vindsektor

b)

Stasjon : AAS
Periode : 01.10.89 - 31.10.89

FORDELING AV VINDRETNINGER OVER DØGNET (%)

*) Vind-retning	Klokkeslett 01	04	07	10	13	16	19	22	Vind-rose
30	9.7	6.5	6.5	12.9	6.5	9.7	12.9	9.7	9.8
60	6.5	12.9	9.7	.0	3.2	3.2	.0	3.2	4.7
90	.0	.0	.0	.0	3.2	.0	3.2	6.5	1.2
120	3.2	3.2	3.2	3.2	9.7	9.7	6.5	.0	5.8
150	6.5	6.5	6.5	9.7	3.2	6.5	6.5	6.5	6.3
180	3.2	9.7	.0	3.2	9.7	16.1	12.9	6.5	7.7
210	19.4	6.5	12.9	3.2	3.2	12.9	12.9	12.9	9.9
240	3.2	6.5	6.5	9.7	9.7	12.9	3.2	6.5	7.4
270	3.2	.0	3.2	6.5	16.1	6.5	3.2	.0	5.1
300	22.6	29.0	25.8	22.6	12.9	3.2	16.1	19.4	17.2
330	16.1	16.1	22.6	22.6	6.5	9.7	3.2	16.1	15.9
360	6.5	3.2	3.2	6.5	12.9	9.7	12.9	12.9	7.7
Stille	.0	.0	.0	.0	3.2	.0	6.5	.0	1.3
Ant.obs	(31)	(31)	(31)	(31)	(31)	(31)	(31)	(31)	(744)
Midlere vind m/s	2.7	2.7	2.9	3.1	3.3	3.5	3.0	2.6	3.0

VINDSTYRKEKLASSER FORDELT PÅ VINDRETNING (%)

Klasse I: Vindstyrke .3 - 2.0 m/s
Klasse II: Vindstyrke 2.1 - 4.0 m/s
Klasse III: Vindstyrke 4.1 - 6.0 m/s
Klasse IV: Vindstyrke > 6.0 m/s

*) Vind-retning	Klasser I	II	III	IV	Total	Nobs	Midlere vind m/s
30	1.6	5.0	2.8	.4	9.8	(73)	3.4
60	.8	3.0	.9	.0	4.7	(35)	3.1
90	.8	.1	.3	.0	1.2	(9)	2.2
120	2.7	2.0	.8	.3	5.8	(43)	2.5
150	2.4	1.7	1.2	.9	6.3	(47)	3.3
180	2.2	4.0	1.3	.1	7.7	(57)	2.8
210	1.9	4.4	3.2	.4	9.9	(74)	3.6
240	1.7	1.9	3.2	.5	7.4	(55)	3.6
270	1.3	1.9	1.2	.7	5.1	(38)	3.7
300	6.6	8.7	1.2	.7	17.2	(128)	2.6
330	5.9	7.0	1.6	1.3	15.9	(118)	3.0
360	3.2	4.0	.4	.0	7.7	(57)	2.3
Stille					1.3	(10)	
Total	31.2	43.8	18.3	5.4	100.0	(744)	
Midlere vind m/s	1.3	2.9	4.8	7.9			3.0

*) Dette tallet angir sentrum av vindsektor

c)

Stasjon : AAS
Periode : 01.11.89 - 30.11.89

FORDELING AV VINDRETNINGER OVER DØGNET (%)

*) Vind-retning	Klokkeslett 01	04	07	10	13	16	19	22	Vind-rose
30	3.3	3.3	.0	6.7	3.3	.0	3.3	3.3	3.1
60	.0	3.3	.0	.0	.0	6.7	3.3	3.3	2.4
90	10.0	6.7	.0	.0	6.7	3.3	.0	.0	3.6
120	6.7	6.7	13.3	16.7	3.3	3.3	6.7	3.3	7.9
150	10.0	16.7	10.0	6.7	10.0	13.3	10.0	3.3	9.7
180	3.3	.0	6.7	3.3	13.3	10.0	6.7	10.0	7.1
210	6.7	6.7	.0	6.7	3.3	13.3	13.3	10.0	6.5
240	3.3	.0	6.7	.0	.0	.0	6.7	3.3	2.1
270	6.7	.0	6.7	10.0	3.3	3.3	3.3	.0	3.6
300	13.3	23.3	16.7	13.3	16.7	3.3	13.3	23.3	17.5
330	23.3	20.0	26.7	26.7	26.7	23.3	23.3	23.3	24.7
360	10.0	13.3	13.3	10.0	10.0	16.7	10.0	16.7	11.0
Stille	3.3	.0	.0	.0	3.3	3.3	.0	.0	.8
Ant.obs	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(720)
Midlere vind m/s	3.2	3.3	3.2	3.1	2.9	3.1	2.9	3.3	3.1

VINDSTYRKEKLASSER FORDELT PÅ VINDRETNING (%)

Klasse I: Vindstyrke .3 - 2.0 m/s
Klasse II: Vindstyrke 2.1 - 4.0 m/s
Klasse III: Vindstyrke 4.1 - 6.0 m/s
Klasse IV: Vindstyrke > 6.0 m/s

*) Vind-retning	Klasser I	II	III	IV	Total	Nobs	Midlere vind m/s
30	1.9	.8	.1	.1	3.1	(22)	2.2
60	.3	.7	1.4	.0	2.4	(17)	3.7
90	1.2	1.4	.6	.4	3.6	(26)	3.1
120	2.8	1.7	1.0	2.5	7.9	(57)	3.9
150	1.9	1.9	3.8	2.1	9.7	(70)	4.3
180	1.7	1.1	2.5	1.8	7.1	(51)	4.3
210	1.4	2.4	.7	2.1	6.5	(47)	4.4
240	1.5	.4	.1	.0	2.1	(15)	1.6
270	2.9	.7	.0	.0	3.6	(26)	1.5
300	5.3	11.0	.6	.7	17.5	(126)	2.6
330	7.8	12.5	3.5	1.0	24.7	(178)	2.9
360	5.6	3.8	1.1	.6	11.0	(79)	2.5
Stille					.8	(6)	
Total	34.3	38.3	15.3	11.3	100.0	(720)	
Midlere vind m/s	1.3	2.9	5.0	7.2			3.1

*) Dette tallet angir sentrum av vindsektor

Tabell A4: Fire stabilitetsklasser fordelt over døgnet basert på målinger av temperaturforskjellen mellom 25 m og 10 m i masta på Ås høsten 1989.

STABILITETSKLASSER (%) FORDELT OVER DØGNET

Klasse I:	Ustabil		DT <	-.5	Grader C
Klasse II:	Nøytral	-.5 <	DT <	.0	Grader C
Klasse III:	Lett stabil	.0 <	DT <	.5	Grader C
Klasse IV:	Stabil	.5 <	DT		Grader C

Stasjon : AAS
Parameter: Temperatur differanse (DT)
Enhet : Grader C
Periode : 01.09.89 - 30.11.89

	Klasser			
Time	I	II	III	IV
01	.0	38.2	57.3	4.5
02	.0	38.2	58.4	3.4
03	.0	40.4	56.2	3.4
04	.0	40.0	54.4	5.6
05	.0	40.0	56.7	3.3
06	.0	44.4	47.8	7.8
07	.0	57.8	34.4	7.8
08	2.2	69.7	23.6	4.5
09	22.5	64.0	10.1	3.4
10	36.0	58.4	5.6	.0
11	39.3	57.3	2.2	1.1
12	32.6	62.9	2.2	2.2
13	31.5	65.2	3.4	.0
14	22.5	76.4	.0	1.1
15	11.2	82.0	6.7	.0
16	7.9	78.7	11.2	2.2
17	.0	75.3	22.5	2.2
18	1.1	64.0	32.6	2.2
19	.0	50.6	44.9	4.5
20	.0	44.9	43.8	11.2
21	.0	40.4	48.3	11.2
22	.0	47.2	42.7	10.1
23	.0	41.6	47.2	11.2
24	.0	38.2	50.6	11.2
Total	8.6	54.8	31.8	4.8

Antall obs : 2140
Manglende obs: 44

Tabell A5: Månedsvis stabilitetsfrekvens (i fire klasser) fordelt over døgnet, basert på målinger av temperaturforskjellen mellom 25 m og 10 m i masta på Ås:
a) september 1989 b) oktober 1989 c) november 1989

a)

STABILITETSKLASSER (%) FORDELT OVER DØGNET

Klasse I:	Ustabil		DT <	-.5	Grader C
Klasse II:	Nøytral	-.5 <	DT <	.0	Grader C
Klasse III:	Lett stabil	.0 <	DT <	.5	Grader C
Klasse IV:	Stabil	.5 <	DT		Grader C

Stasjon : AAS
Parameter: Temperatur differanse (DT)
Enhet : Grader C
Periode : 01.09.89 - 30.09.89

	Klasser			
Time	I	II	III	IV
01	.0	21.4	71.4	7.1
02	.0	17.9	82.1	.0
03	.0	14.3	78.6	7.1
04	.0	20.7	72.4	6.9
05	.0	24.1	72.4	3.4
06	.0	34.5	55.2	10.3
07	.0	69.0	17.2	13.8
08	7.1	75.0	14.3	3.6
09	46.4	42.9	7.1	3.6
10	53.6	42.9	3.6	.0
11	57.1	39.3	3.6	.0
12	42.9	53.6	3.6	.0
13	39.3	60.7	.0	.0
14	32.1	67.9	.0	.0
15	17.9	82.1	.0	.0
16	17.9	82.1	.0	.0
17	.0	100.0	.0	.0
18	3.6	85.7	10.7	.0
19	.0	42.9	53.6	3.6
20	.0	35.7	46.4	17.9
21	.0	35.7	50.0	14.3
22	.0	32.1	50.0	17.9
23	.0	17.9	60.7	21.4
24	.0	14.3	60.7	25.0
Total	13.2	46.3	34.0	6.5

Antall obs : 676
Manglende obs: 44

b)

Stasjon : AAS
Parameter: Temperatur differanse (DT)
Enhet : Grader C
Periode : 01.10.89 - 31.10.89

	Klasser			
Time	I	II	III	IV
01	.0	41.9	51.6	6.5
02	.0	38.7	58.1	3.2
03	.0	48.4	51.6	.0
04	.0	41.9	54.8	3.2
05	.0	41.9	58.1	.0
06	.0	48.4	48.4	3.2
07	.0	51.6	45.2	3.2
08	.0	71.0	29.0	.0
09	22.6	77.4	.0	.0
10	45.2	54.8	.0	.0
11	45.2	54.8	.0	.0
12	41.9	58.1	.0	.0
13	45.2	51.6	3.2	.0
14	25.8	74.2	.0	.0
15	12.9	87.1	.0	.0
16	6.5	93.5	.0	.0
17	.0	93.5	6.5	.0
18	.0	67.7	32.3	.0
19	.0	61.3	32.3	6.5
20	.0	58.1	35.5	6.5
21	.0	54.8	38.7	6.5
22	.0	54.8	38.7	6.5
23	.0	51.6	38.7	9.7
24	.0	48.4	41.9	9.7
Total	10.2	59.4	27.7	2.7

Antall obs : 744
Manglende obs: 0

c)

Stasjon : AAS
Parameter: Temperatur differanse (DT)
Enhet : Grader C
Periode : 01.11.89 - 30.11.89

	Klasser			
Time	I	II	III	IV
01	.0	50.0	50.0	.0
02	.0	56.7	36.7	6.7
03	.0	56.7	40.0	3.3
04	.0	56.7	36.7	6.7
05	.0	53.3	40.0	6.7
06	.0	50.0	40.0	10.0
07	.0	53.3	40.0	6.7
08	.0	63.3	26.7	10.0
09	.0	70.0	23.3	6.7
10	10.0	76.7	13.3	.0
11	16.7	76.7	3.3	3.3
12	13.3	76.7	3.3	6.7
13	10.0	83.3	6.7	.0
14	10.0	86.7	.0	3.3
15	3.3	76.7	20.0	.0
16	.0	60.0	33.3	6.7
17	.0	33.3	60.0	6.7
18	.0	40.0	53.3	6.7
19	.0	46.7	50.0	3.3
20	.0	40.0	50.0	10.0
21	.0	30.0	56.7	13.3
22	.0	53.3	40.0	6.7
23	.0	53.3	43.3	3.3
24	.0	50.0	50.0	.0
Total	2.6	58.1	34.0	5.3

Antall obs : 720
Manglende obs: 0

Tabell A6: Frekvens (i %) av vind og stabilitet fordelt på fire vindstyrkeklasser og fire stabilitetsklasser basert på data fra Ås: a) høsten 1989 b) høstperiodene 1979-1988.

a)

Klasse I: Ustabil DT < -.5 Grader C
Klasse II: Nøytral -.5 < DT < .0 Grader C
Klasse III: Lett stabil .0 < DT < .5 Grader C
Klasse IV: Stabil .5 < DT Grader C

Vindstille: U mindre eller lik .2 m/s

FREKVENSFORDELING SOM FUNKSJON AV VINDRETNING, VINDSTYRKE OG STABILITET

Periode : 01.09.89 - 30.11.89
Enhet : Prosent

Vind-retning	.0- 2.0 m/s				2.0- 4.0 m/s				4.0- 6.0 m/s				over 6.0 m/s				
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	Rose
30	.0	.8	.7	.1	.1	2.1	.4	.0	.0	1.1	.0	.0	.0	.2	.0	.0	5.6
60	.0	.4	.3	.1	.3	1.5	.1	.0	.0	.8	.0	.0	.0	.0	.0	.0	3.6
90	.1	.6	.5	.1	.1	.4	.2	.0	.0	.3	.0	.0	.0	.1	.0	.0	2.5
120	.3	1.4	.9	.2	.3	1.9	.5	.1	.0	.7	.0	.0	.0	.9	.0	.0	7.1
150	.4	.8	1.0	.0	.1	2.0	.6	.1	.0	1.8	.1	.0	.0	1.0	.0	.0	7.9
180	.1	1.1	.6	.1	.2	2.6	.7	.0	.0	1.8	.2	.0	.0	.9	.0	.0	8.5
210	.1	.7	.8	.1	.2	1.6	2.0	.0	.2	1.5	.4	.0	.0	1.1	.0	.0	8.7
240	.2	.7	.6	.0	.3	.5	.4	.0	.4	.7	.2	.0	.0	.1	.0	.0	4.2
270	.5	.9	.7	.2	.4	.4	.6	.0	.3	.2	.0	.0	.2	.3	.0	.0	4.6
300	1.0	2.4	2.4	.7	.8	3.1	6.4	.7	.3	.7	.2	.1	.0	.3	.2	.0	19.2
330	.7	3.7	1.8	.6	.5	3.2	4.8	1.0	.0	1.2	.6	.0	.0	.6	.2	.0	18.9
360	.2	2.5	1.3	.2	.2	2.1	1.1	.0	.0	.5	.0	.0	.0	.2	.0	.0	8.3
Stille	.1	.3	.4	.0													.9
Total	3.6	16.3	12.0	2.4	3.5	21.3	17.8	2.2	1.3	11.3	1.7	.1	.2	5.9	.4	.0	100.0
Forekomst		34.3 %				44.7 %				14.4 %				6.5 %			100.0
Vindstyrke		1.3 m/s				2.9 m/s				4.8 m/s				7.4 m/s			2.9

Fordeling på stabilitetsklasser

	Klasse I	Klasse II	Klasse III	Klasse IV	
Forekomst	8.6 %	54.8 %	31.8 %	4.8 %	100.0

Antall obs. : 2140 Manglende obs.: 44

b)

FREKVENSFORDELING SOM FUNKSJON AV VINDRETNING, VINDSTYRKE OG STABILITET

Periode : 01.09.79 - 30.11.88
Enhet : Prosent

Vind-retning	.0- 2.0 m/s				2.0- 4.0 m/s				4.0- 6.0 m/s				over 6.0 m/s				
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	Rose
30	.1	.7	.6	.2	.0	2.2	.6	.1	.0	1.5	.2	.1	.0	.2	.1	.7	7.2
60	.0	.6	.5	.1	.0	1.5	.5	.0	.0	1.0	.1	.0	.0	.1	.1	.1	4.5
90	.0	.5	.6	.1	.0	1.1	.5	.0	.0	.7	.1	.0	.0	.1	.0	.0	3.9
120	.2	.7	.7	.2	.1	1.1	.7	.0	.0	.7	.2	.0	.0	.3	.1	.0	5.0
150	.1	.7	.8	.3	.1	1.5	.7	.0	.0	1.1	.4	.0	.0	.7	.2	.0	6.7
180	.1	.6	.9	.2	.2	2.1	1.4	.0	.1	1.2	.3	.0	.0	.6	.1	.0	7.8
210	.2	.6	1.0	.2	.3	1.5	2.1	.1	.2	1.5	1.2	.0	.1	.6	.3	.0	9.8
240	.2	.3	1.1	.2	.2	.9	1.5	.1	.1	.8	.8	.0	.0	.2	.2	.0	6.8
270	.2	.4	.9	.3	.2	.5	1.1	.1	.2	.5	.3	.0	.1	.3	.1	.0	5.0
300	.7	1.5	1.7	.5	1.0	2.3	4.1	.8	.2	.9	.9	.1	.1	.5	.2	.0	15.5
330	.7	2.3	2.3	.7	.4	2.6	4.8	1.5	.1	.7	.5	.1	.0	.4	.1	.0	17.2
360	.1	1.2	.9	.6	.1	1.7	1.4	.4	.0	1.1	.4	.1	.0	.3	.0	1.5	9.7
Stille	.1	.4	.2	.1													.8
Total	2.9	10.8	12.3	3.5	2.6	18.9	19.3	3.2	1.0	11.6	5.4	.3	.2	4.3	1.5	2.3	100.0
Forekomst		29.4 %				44.0 %				18.3 %				8.4 %			100.0
Vindstyrke		1.3 m/s				2.9 m/s				4.8 m/s				11.2 m/s			3.5

Fordeling på stabilitetsklasser

	Klasse I	Klasse II	Klasse III	Klasse IV	
Forekomst	6.7 %	45.6 %	38.4 %	9.3 %	100.0

Antall obs. :19902 Manglende obs.: 1938

Tabell A7: Frekvens (i %) av vind og stabilitet på Ås:
a) september 1989 b) oktober 1989 c) november 1989

a)

Klasse I: Ustabil DT < -.5 Grader C
Klasse II: Nøytral -.5 < DT < .0 Grader C
Klasse III: Lett stabil .0 < DT < .5 Grader C
Klasse IV: Stabil .5 < DT Grader C

Vindstille: U mindre eller lik .2 m/s

FREKVENSFORDELING SOM FUNKSJON AV VINDRETNING, VINDSTYRKE OG STABILITET

Periode : 01.09.89 - 30.09.89
Enhet : Prosent

Vind-retning	.0- 2.0 m/s				2.0- 4.0 m/s				4.0- 6.0 m/s				over 6.0 m/s				
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	Rose
30	.1	.1	.7	.3	.3	.7	.9	.0	.0	.3	.1	.0	.0	.0	.0	.0	3.7
60	.0	.6	.6	.3	.9	1.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7
90	.3	.4	.9	.1	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8
120	.3	1.2	.9	.3	.7	3.7	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	7.5
150	.6	.7	.7	.0	.4	3.7	.6	.1	.0	.7	.0	.0	.0	.0	.0	.0	7.7
180	.1	1.0	.7	.0	.6	4.0	.9	.1	.1	1.6	.6	.0	.0	.9	.0	.0	10.8
210	.3	.4	1.0	.1	.4	2.1	1.9	.0	.6	1.3	.6	.0	.0	.9	.0	.0	9.8
240	.3	.1	.6	.1	.0	.4	.7	.0	.0	.3	.1	.0	.0	.0	.0	.0	2.8
270	.4	.7	1.2	.3	.6	.6	.3	.0	.0	.3	.0	.0	.4	.3	.0	.0	5.2
300	1.3	2.1	3.1	1.0	.9	4.4	7.4	.7	.7	1.2	.0	.1	.0	.1	.0	.0	23.2
330	.7	3.1	2.1	.7	.6	3.3	4.1	1.2	.0	.1	.1	.0	.0	.0	.0	.0	16.1
360	.3	1.9	1.3	.3	.4	.9	.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	6.2
Stille	.0	.1	.1	.1													.4
Total	4.9	12.7	14.1	3.8	6.4	25.3	18.3	2.5	1.5	6.1	1.6	.1	.4	2.2	.0	.0	100.0
Forekomst		35.5 %				52.5 %				9.3 %				2.7 %			100.0 %
Vindstyrke		1.3 m/s				2.8 m/s				4.7 m/s				6.9 m/s			2.6 m/s

Fordeling på stabilitetsklasser

	Klasse I	Klasse II	Klasse III	Klasse IV	
Forekomst	13.2 %	46.3 %	34.0 %	6.5 %	100.0 %

Antall obs. : 676 Manglende obs.: 44

b)

FREKVENSFORDELING SOM FUNKSJON AV VINDRETNING, VINDSTYRKE OG STABILITET

Periode : 01.10.89 - 31.10.89
Enhet : Prosent

Vind-retning	.0- 2.0 m/s I	II	III	IV	2.0- 4.0 m/s I	II	III	IV	4.0- 6.0 m/s I	II	III	IV	over 6.0 m/s I	II	III	IV	Rose
30	.0	1.2	.4	.0	.0	4.7	.1	.1	.0	2.8	.0	.0	.0	.4	.0	.0	9.8
60	.0	.7	.1	.0	.0	3.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	4.7
90	.0	.7	.1	.0	.0	.1	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	1.2
120	.5	1.2	.8	.1	.1	1.2	.5	.1	.0	.8	.0	.0	.0	.3	.0	.0	5.8
150	.4	.9	1.1	.0	.0	1.3	.4	.0	.0	1.1	.1	.0	.0	.9	.0	.0	6.3
180	.1	1.6	.4	.0	.1	3.1	.8	.0	.0	1.2	.1	.0	.0	.1	.0	.0	7.7
210	.1	1.1	.7	.0	.1	1.6	2.7	.0	.1	2.7	.4	.0	.0	.4	.0	.0	9.9
240	.3	1.1	.4	.0	.4	.9	.5	.0	1.2	1.6	.4	.0	.1	.4	.0	.0	7.4
270	.5	.1	.5	.1	.4	.3	1.2	.0	.8	.4	.0	.0	.1	.5	.0	.0	5.1
300	1.3	2.6	2.0	.7	1.2	1.6	5.2	.7	.1	.5	.5	.0	.0	.4	.3	.0	17.2
330	.9	3.5	1.2	.3	.4	2.2	3.9	.5	.0	1.3	.3	.0	.0	1.3	.0	.0	15.9
360	.3	2.0	.9	.0	.1	3.1	.8	.0	.0	.4	.0	.0	.0	.0	.0	.0	7.7
Stille	.1	.7	.5	.0													1.3
Total	4.7	17.3	9.3	1.2	3.0	23.1	16.3	1.5	2.3	14.1	1.9	.0	.3	4.8	.3	.0	100.0
Forekomst		32.5 %				43.8 %				18.3 %				5.4 %			100.0
Vindstyrke		1.2 m/s				2.9 m/s				4.8 m/s				7.9 m/s			3.0

Fordeling på stabilitetsklasser

	Klasse I	Klasse II	Klasse III	Klasse IV	
Forekomst	10.2 %	59.4 %	27.7 %	2.7 %	100.0

Antall obs. : 744 Manglende obs.: 0

c)

FREKVENSFORDELING SOM FUNKSJON AV VINDRETNING, VINDSTYRKE OG STABILITET

Periode : 01.11.89 - 30.11.89
Enhet : Prosent

Vind-retning	.0- 2.0 m/s I	II	III	IV	2.0- 4.0 m/s I	II	III	IV	4.0- 6.0 m/s I	II	III	IV	over 6.0 m/s I	II	III	IV	Rose
30	.0	1.1	.8	.0	.0	.7	.1	.0	.0	.1	.0	.0	.0	.1	.0	.0	3.1
60	.0	.0	.3	.0	.0	.4	.3	.0	.0	1.4	.0	.0	.0	.0	.0	.0	2.4
90	.0	.6	.6	.1	.0	.8	.4	.1	.0	.6	.0	.0	.0	.4	.0	.0	3.6
120	.0	1.7	1.0	.1	.0	.8	.7	.1	.0	1.0	.0	.0	.0	2.5	.0	.0	7.9
150	.1	.7	1.1	.0	.0	1.0	.8	.1	.0	3.6	.1	.0	.0	2.1	.0	.0	9.7
180	.0	.7	.7	.3	.0	.7	.4	.0	.0	2.5	.0	.0	.0	1.8	.0	.0	7.1
210	.0	.6	.7	.1	.0	1.1	1.2	.0	.0	.6	.1	.0	.0	2.1	.0	.0	6.5
240	.0	.8	.7	.0	.4	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	2.1
270	.4	1.8	.4	.3	.1	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6
300	.3	2.5	2.2	.3	.3	3.3	6.5	.8	.0	.3	.1	.1	.0	.4	.3	.0	17.5
330	.3	4.6	2.1	.8	.4	4.3	6.4	1.4	.0	2.1	1.2	.1	.0	.4	.6	.0	24.7
360	.1	3.5	1.7	.3	.0	2.2	1.5	.0	.0	1.1	.0	.0	.0	.6	.0	.0	11.0
Stille	.1	.1	.6	.0													.8
Total	1.4	18.6	12.8	2.4	1.2	15.7	18.8	2.6	.0	13.3	1.7	.3	.0	10.4	.8	.0	100.0
Forekomst		35.1 %				38.3 %				15.3 %				11.2 %			100.0
Vindstyrke		1.3 m/s				2.9 m/s				5.0 m/s				7.2 m/s			3.1

Fordeling på stabilitetsklasser

	Klasse I	Klasse II	Klasse III	Klasse IV	
Forekomst	2.6 %	58.1 %	34.0 %	5.3 %	100.0

Antall obs. : 720 Manglende obs.: 0

Tabell A8: Horisontal turbulens som funksjon av vindretning, fire vindstyrkeklasser og fire stabilitetsklasser for Ås høsten 1989.
a) sigma kort b) sigma kort + lang

a)

BELASTNING SOM FUNKSJON AV VINDRETNING OG STABILITET

SIGK : AAS Periode : 01.09.89 - 30.11.89
Enhet : GRADER

Vind-retning	.0- 2.0 m/s I	II	III	IV	2.0- 4.0 m/s I	II	III	IV	4.0- 6.0 m/s I	II	III	IV	over 6.0 m/s I	II	III	IV	Rose
30	29.7	17.4	25.1	32.7	29.6	16.6	10.0	5.4	-	15.8	9.3	-	-	19.2	-	-	17.6
60	-	26.7	19.8	15.5	25.6	17.5	7.3	-	-	15.6	-	-	-	-	-	-	18.6
90	57.0	24.6	26.2	32.1	22.8	14.9	11.6	4.2	-	13.0	-	-	-	12.1	-	-	21.1
120	33.8	28.4	19.8	26.1	16.9	12.6	7.3	5.2	-	12.1	-	-	-	12.2	-	-	17.3
150	52.9	24.1	20.4	-	35.0	15.0	10.3	22.2	-	13.5	12.7	-	-	14.0	-	-	18.0
180	37.4	24.6	25.4	28.3	20.0	15.3	15.5	14.6	18.9	14.8	14.0	-	-	14.6	-	-	17.6
210	42.7	23.7	27.4	10.6	18.1	15.3	13.2	-	19.2	13.8	12.9	-	-	13.5	-	-	16.5
240	29.5	31.5	30.0	4.9	18.9	18.3	18.5	-	19.7	16.6	16.7	-	18.7	15.2	-	-	22.2
270	34.0	20.1	27.2	17.3	20.2	17.5	14.2	-	18.8	17.0	-	-	19.4	15.4	-	-	20.9
300	17.7	15.9	17.8	20.8	15.5	10.4	7.6	9.1	12.9	13.1	11.3	5.0	-	14.8	11.8	-	12.2
330	20.9	15.2	12.0	14.3	12.1	9.4	6.9	6.8	-	11.9	9.3	8.6	-	13.4	11.9	-	10.9
360	22.2	18.5	19.7	30.6	22.6	13.8	9.6	7.7	-	14.1	-	-	-	13.0	-	-	16.4
Stille	48.9	35.7	42.9	27.2													40.1
Middel	29.5	20.5	21.4	20.4	19.1	13.7	9.1	8.2	17.9	14.1	12.0	6.2	19.2	13.9	11.8	-	15.8
Konsentr.		21.7				12.0				14.1				14.0			

Middelverdi for ulike stabilitetsklasser

	Klasse I	Klasse II	Klasse III	Klasse IV
Konsentr.	23.3	15.8	13.9	14.4

Antall obs. : 2140 Manglende obs.: 44

b)

BELASTNING SOM FUNKSJON AV VINDRETNING OG STABILITET

SIGKL : AAS Periode : 01.09.89 - 30.11.89
Enhet : GRADER

Vind-retning	.0- 2.0 m/s I	II	III	IV	2.0- 4.0 m/s I	II	III	IV	4.0- 6.0 m/s I	II	III	IV	over 6.0 m/s I	II	III	IV	Rose
30	40.5	25.4	41.3	57.3	32.7	18.2	13.2	22.1	-	17.0	9.8	-	-	19.4	-	-	22.5
60	-	35.6	33.0	34.9	28.0	20.0	10.0	-	-	16.5	-	-	-	-	-	-	22.8
90	74.0	38.2	42.5	54.8	26.5	17.2	16.1	5.3	-	15.1	-	-	-	12.6	-	-	30.2
120	58.2	53.5	33.8	33.9	19.9	15.6	11.1	6.0	-	13.0	-	-	-	12.9	-	-	26.5
150	80.2	31.2	32.8	-	44.5	17.8	14.3	59.2	-	14.4	14.7	-	-	14.7	-	-	23.4
180	45.3	35.8	42.1	40.2	22.3	17.9	20.8	15.8	20.2	16.0	14.9	-	-	15.4	-	-	22.2
210	64.3	29.3	39.6	18.6	19.4	17.6	14.7	-	20.3	14.5	13.3	-	-	13.9	-	-	19.5
240	36.9	44.5	47.5	15.8	20.6	19.5	20.2	-	20.9	17.1	18.1	-	19.4	15.8	-	-	27.9
270	41.4	33.1	41.0	30.4	25.5	19.9	19.0	-	20.0	17.9	-	-	22.4	16.8	-	-	28.5
300	21.4	21.8	27.4	36.6	19.4	14.0	11.6	15.4	13.4	15.0	14.4	6.3	-	18.8	12.6	-	17.4
330	25.8	20.7	22.4	24.6	14.6	12.2	10.0	14.7	-	13.4	11.0	11.7	-	14.0	12.5	-	15.4
360	26.7	26.7	31.8	49.5	25.7	16.6	12.7	13.8	-	15.3	-	-	-	13.6	-	-	22.6
Stille	84.8	62.0	74.0	36.3													68.7
Middel	40.2	30.2	34.5	34.3	22.4	16.4	12.5	16.2	18.9	15.2	13.4	8.1	21.8	14.7	12.5	-	21.4
Konsentr.		33.1				15.3				15.2				14.8			

Middelverdi for ulike stabilitetsklasser

	Klasse I	Klasse II	Klasse III	Klasse IV
Konsentr.	29.4	20.1	20.9	25.2

Antall obs. : 2140 Manglende obs.: 44

Tabell A9: Månedsvis temperaturstatistikk fra Ås (2 m) høsten 1989. Middel-, maksimum- og minimumstemperaturer, antall observasjoner av temperatur under gitte grenser samt midlere døgnfordeling.

Stasjon : AAS
Periode : 01.09.89 - 30.11.89
Parameter: TEMPERATUR 2m
Enhet : GRADER C

MIDDEL-, MAKSIMUM- OG MINIMUMVERDIER

			Maks			Min			Midlere	
Måned	Nobs	Tmidl	T	Dag	Kl	T	Dag	Kl	Tmaks	Tmin
Sep 1989	29	11.9	24.7	6	14	3.9	27	06	16.7	7.8
Okt 1989	31	7.7	17.9	1	14	-.4	12	07	11.3	4.8
Nov 1989	30	3.6	12.0	1	15	-7.5	25	04	6.1	1.1

FOREKOMST INNEN GITTE GRENSER

	T < .0		T < 10.0		T < 20.0	
Måned	Døgn	Timer	Døgn	Timer	Døgn	Timer
Sep 1989	0	0	23	251	29	661
Okt 1989	1	2	31	591	31	744
Nov 1989	12	162	30	694	30	720

MIDLERE MÅNEDSVIS DØGNFORDELING

Måned: Sep 1989

	Klokkeslett								
	01	04	07	10	13	16	19	22	
Middelverdi	9.6	8.7	9.2	13.6	16.0	15.8	12.3	10.6	
Stand.avvik	2.5	2.6	2.7	2.8	3.3	2.6	2.3	2.4	
Nobs	(28)	(29)	(29)	(28)	(28)	(28)	(28)	(28)	(676)

Måned: Okt 1989

	Klokkeslett								
	01	04	07	10	13	16	19	22	
Middelverdi	6.4	6.0	5.7	8.3	10.6	10.0	7.7	6.9	
Stand.avvik	2.3	2.5	3.0	2.6	3.2	2.9	2.3	2.1	
Nobs	(31)	(31)	(31)	(31)	(31)	(31)	(31)	(31)	(744)

Måned: Nov 1989

	Klokkeslett								
	01	04	07	10	13	16	19	22	
Middelverdi	3.4	2.9	2.7	3.4	5.4	4.6	3.8	3.6	
Stand.avvik	4.3	4.6	4.6	4.5	3.9	3.9	4.1	4.2	
Nobs	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(720)

Tabell A10: Månedsvis relativ fuktighetsstatistikk fra Ås høsten 1989. Middel-, maksimum- og minimumsverdier, antall observasjoner av relativ fuktighet under gitte grenser samt midlere døgnfordeling.

Stasjon : AAS
Periode : 01.09.89 - 30.11.89
Parameter: REL.FUKT.
Enhet : PROSENT

MIDDEL-, MAKSIMUM- OG MINIMUMVERDIER

			Maks			Min			Midlere	
Måned	Nobs	RHmidl	RH	Dag	Kl	RH	Dag	Kl	RHmaks	RHmin
Sep 1989	29	.88	.97	* 3	21	.39	6	18	.95	.75
Okt 1989	31	.83	.96	12	20	.41	2	14	.93	.68
Nov 1989	30	.82	.98	*11	06	.38	27	16	.91	.71

FOREKOMST INNEN GITTE GRENSER

	RH < .30		RH < .75		RH < .95	
Måned	Døgn	Timer	Døgn	Timer	Døgn	Timer
Sep 1989	0	0	14	116	29	583
Okt 1989	0	0	16	174	29	609
Nov 1989	0	0	14	161	30	662

MIDLERE MÅNEDSVIS DØGNFORDELING

Måned: Sep 1989 Klokkeslett

	01	04	07	10	13	16	19	22	
Middelverdi	.94	.94	.93	.86	.79	.80	.89	.92	
Stand.avvik	.06	.05	.05	.11	.16	.15	.12	.09	
Nobs	(28)	(29)	(29)	(28)	(28)	(28)	(28)	(28)	(676)

Måned: Okt 1989 Klokkeslett

	01	04	07	10	13	16	19	22	
Middelverdi	.88	.88	.89	.83	.73	.76	.85	.87	
Stand.avvik	.10	.11	.09	.12	.18	.16	.12	.10	
Nobs	(31)	(31)	(31)	(31)	(31)	(31)	(31)	(31)	(744)

Måned: Nov 1989 Klokkeslett

	01	04	07	10	13	16	19	22	
Middelverdi	.85	.84	.85	.85	.80	.79	.82	.84	
Stand.avvik	.13	.14	.15	.14	.15	.17	.15	.14	
Nobs	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(720)

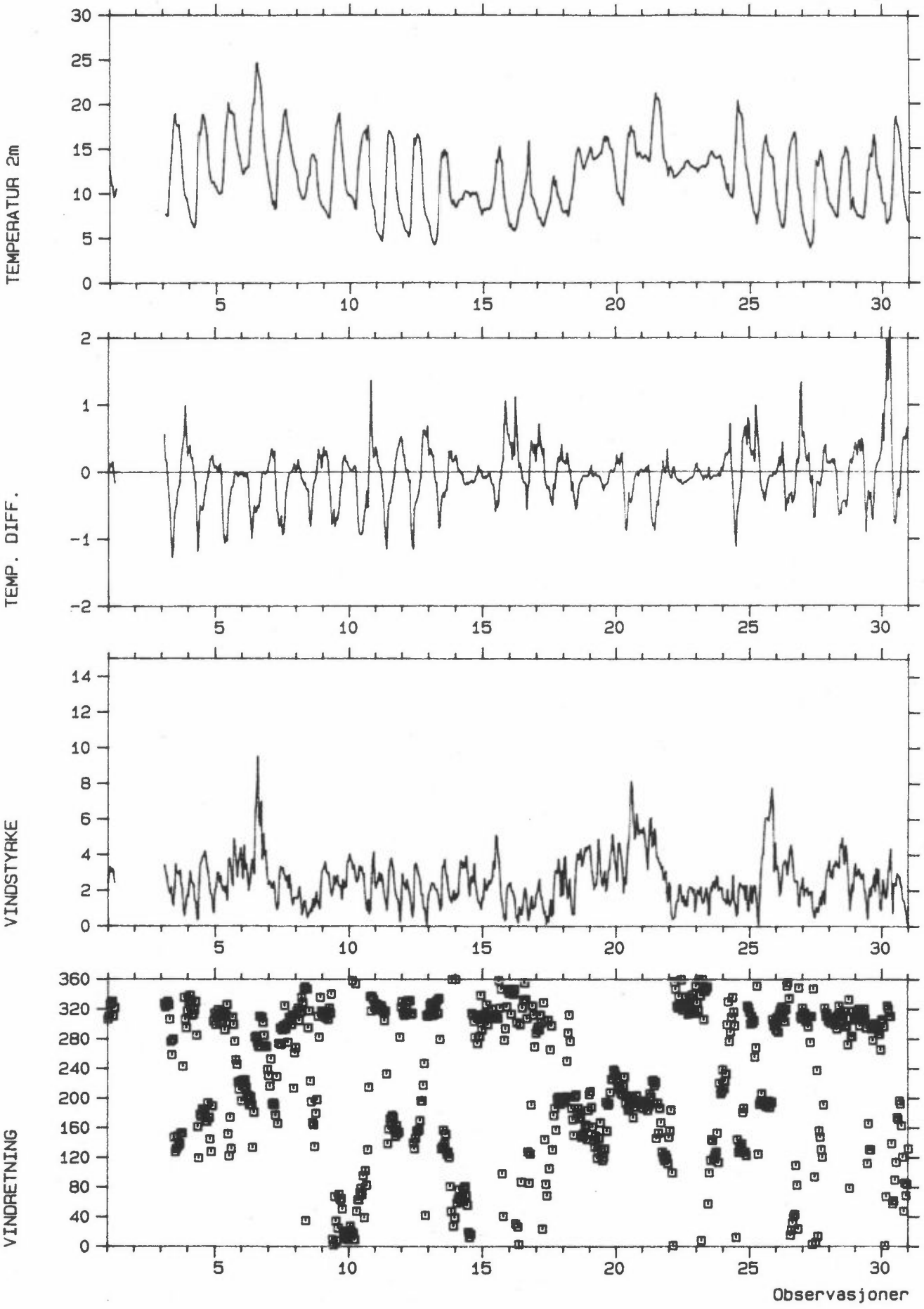
VEDLEGG B

Grafisk fremstilling av tidsforløpet av:

Temperatur	(2 m)	(°C)
Temperatur differanse	(25-10 m)	(°C)
Vindhastighet	(25 m)	(m/s)
Vindretning	(25 m)	(grader)

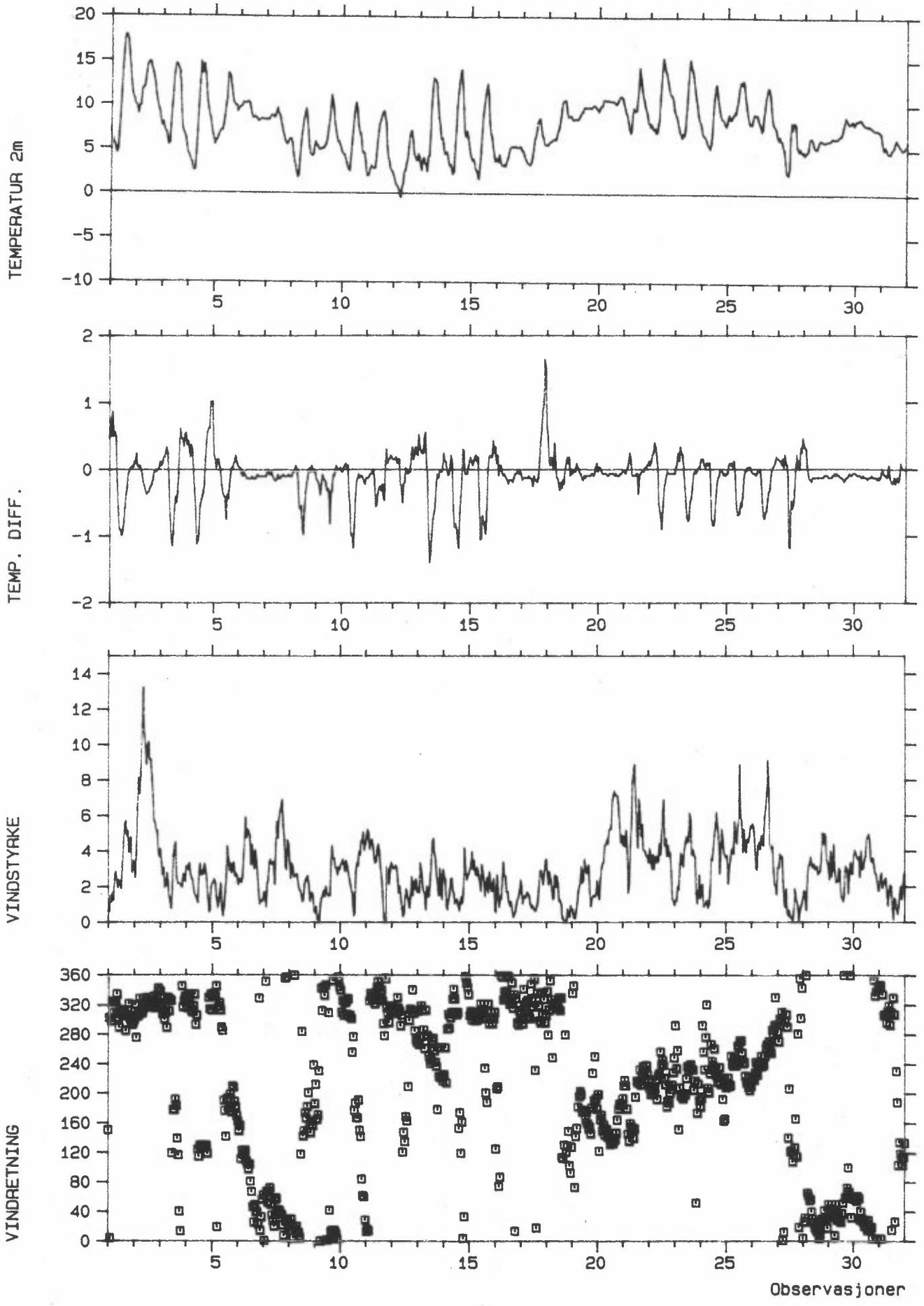
for månedene september, oktober og november 1989 ved Ås.

Stasjon: ÅS
Måned : SEPTEMBER 1989

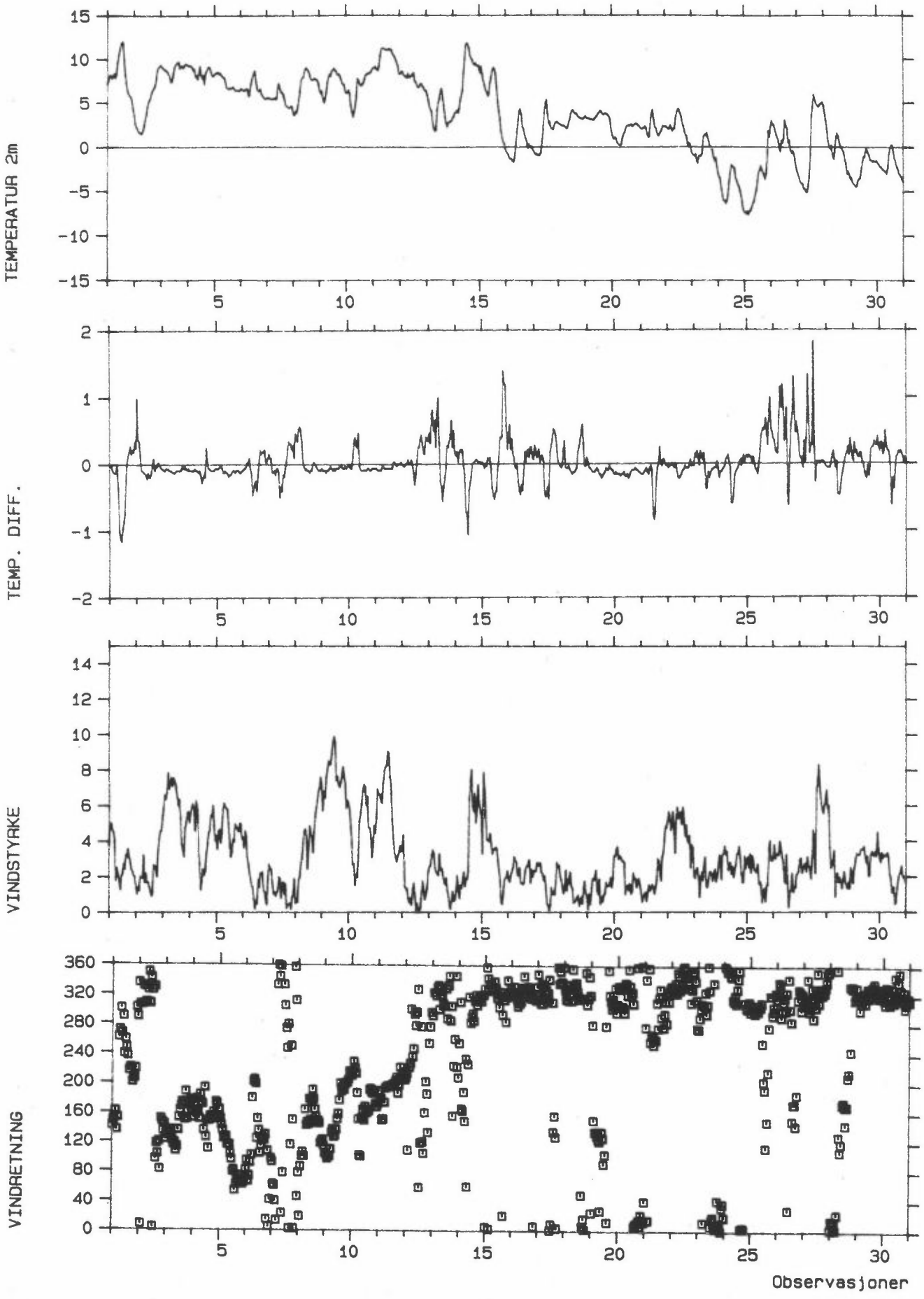


Stasjon: ÅS

Måned : OKTOBER 1989



Stasjon: ÅS
Måned : NOVEMBER 1989



VEDLEGG C

Liste over timesmidlede meteorologiske data
fra Ås.

Høsten 1989 (01.09.89-30.11.89).

FØLGENDE PARAMETRE ER GITT I DEN SYNOPTISKE LISTEN AV DATA

1. DD-25 = vindretning (grader; 90 = vind fra øst,
   180 = vind fra sør, osv.)
2. FF-25 = vindstryke (m/s) 25 m over bakken ved Ås
3. GUST1 = høyeste 1 sek.-midl. vindhastighet 25 m over bakken ved Ås
4. GUST3 = høyeste 3 sek.-midl. vindhastighet 25 m over bakken ved Ås
5. SIGK = standardavvik i vindretningsfluktasjoner (σ_θ) midlet over 5 min. (grader)
6. SIGKL = timesmiddel av σ_θ (grader)
7. T-25 = lufttemperatur (°C) 25 m over bakken ved Ås
8. T-2 = lufttemperatur (°C) 2 m over bakken ved Ås
9. DT = temperaturforskjell (°C) 25-10 m ved Ås
10. RH-2 = relativ fuktighet (%) 2 m over bakken ved Ås

Observasjon 99 betegner manglende data.

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
1	9	89	1	307.	2.4	3.8	3.6	8.1	12.7	13.1	13.0	.00	.96
1	9	89	2	311.	2.9	4.4	4.2	5.8	7.8	12.2	11.9	.06	.94
1	9	89	3	326.	3.3	5.0	4.8	5.1	6.6	11.3	11.1	.12	.91
1	9	89	4	329.	3.0	4.2	4.0	6.1	7.2	10.8	10.7	.09	.90
1	9	89	5	330.	3.2	4.4	4.2	5.4	6.3	10.1	9.6	.16	.91
1	9	89	6	311.	3.0	4.2	4.0	6.3	7.7	10.0	9.9	.00	.90
1	9	89	7	322.	2.4	4.4	4.2	8.8	11.7	10.3	10.5	-.16	.88
1	9	89	8	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
1	9	89	9	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
1	9	89	10	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
1	9	89	11	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
1	9	89	12	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
1	9	89	13	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
1	9	89	14	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
1	9	89	15	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
1	9	89	16	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
1	9	89	17	-9900.	-9900.0	~9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
1	9	89	18	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
1	9	89	19	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
1	9	89	20	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
1	9	89	21	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
1	9	89	22	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
1	9	89	23	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
1	9	89	24	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	1	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	2	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	3	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	4	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	5	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	6	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	7	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	8	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	9	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	10	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	11	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	12	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	13	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	14	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	15	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	16	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	17	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	18	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	19	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	20	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	21	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	22	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	23	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
2	9	89	24	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
3	9	89	1	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
3	9	89	2	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
3	9	89	3	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
3	9	89	4	328.	3.4	4.6	4.4	3.7	4.4	8.5	7.7	.56	.91
3	9	89	5	323.	3.0	4.2	4.0	5.4	5.8	8.3	7.5	.19	.85
3	9	89	6	326.	2.8	4.0	3.8	5.1	5.3	8.2	7.6	.16	.85
3	9	89	7	330.	2.3	3.8	3.6	8.3	8.7	9.1	9.8	-.09	.81
3	9	89	8	326.	2.0	3.2	3.0	9.9	10.3	10.7	11.7	-.34	.76
3	9	89	9	307.	1.8	3.2	2.8	11.6	15.3	12.5	13.6	-.56	.71
3	9	89	10	277.	2.2	3.6	3.2	9.2	14.8	14.0	15.0	-.96	.68
3	9	89	11	259.	1.4	3.0	2.8	27.7	30.9	16.0	16.9	-1.27	.64
3	9	89	12	280.	1.2	3.2	2.8	43.0	45.6	17.7	18.8	-1.12	.55
3	9	89	13	148.	2.1	5.0	4.8	37.3	50.5	17.9	18.9	-.68	.59
3	9	89	14	128.	3.5	5.6	5.2	13.3	13.8	16.5	17.6	-.53	.72
3	9	89	15	132.	3.0	5.6	5.0	16.4	18.1	16.6	17.6	-.47	.75
3	9	89	16	149.	3.1	5.6	5.4	15.1	16.6	16.5	17.7	-.28	.72
3	9	89	17	136.	2.9	4.8	4.2	12.5	12.9	15.8	16.5	-.22	.76
3	9	89	18	139.	3.1	4.6	4.4	8.7	8.9	14.9	15.3	-.16	.80
3	9	89	19	153.	2.4	4.4	4.0	7.7	10.3	13.5	13.0	.16	.90
3	9	89	20	153.	2.0	3.0	2.8	6.1	7.0	12.8	11.3	.31	.96
3	9	89	21	243.	.9	2.0	2.0	19.7	49.1	12.2	10.0	.43	.97
3	9	89	22	336.	.6	1.8	1.8	43.0	58.0	11.3	9.6	.56	.97
3	9	89	23	307.	1.2	2.4	2.2	6.0	12.8	10.3	9.4	.99	.97
3	9	89	24	295.	1.7	2.6	2.4	3.4	9.9	9.4	8.8	.59	.97

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
4	9	89	1	318.	1.6	2.2	2.0	2.8	5.4	8.7	8.2	.25	.97
4	9	89	2	330.	2.2	3.6	3.4	5.1	10.8	8.1	7.4	.34	.96
4	9	89	3	339.	3.1	4.6	4.4	6.0	7.2	7.7	6.9	.40	.93
4	9	89	4	332.	2.5	4.2	3.8	6.0	8.0	7.3	6.7	.22	.92
4	9	89	5	312.	2.4	3.2	3.0	3.4	7.7	6.7	6.3	.22	.93
4	9	89	6	314.	2.3	3.2	3.2	4.0	5.6	6.3	6.2	.09	.93
4	9	89	7	319.	1.5	2.8	2.6	8.9	10.8	6.6	6.8	-.09	.94
4	9	89	8	330.	1.3	3.2	3.0	14.2	16.0	8.8	9.5	-.16	.95
4	9	89	9	285.	.4	1.4	1.2	38.6	48.8	13.1	14.6	-.75	.80
4	9	89	10	162.	.4	2.6	2.4	58.1	67.4	16.0	16.9	-1.18	.80
4	9	89	11	120.	2.4	4.8	4.6	20.9	22.7	15.6	16.6	-.84	.81
4	9	89	12	179.	3.5	6.2	5.8	16.2	26.9	16.1	17.2	-.50	.83
4	9	89	13	176.	3.6	7.4	6.8	20.1	20.8	17.5	18.8	-.56	.71
4	9	89	14	186.	3.9	7.6	6.8	19.3	20.0	17.4	18.8	-.56	.66
4	9	89	15	183.	3.9	7.8	7.4	20.1	22.8	17.0	18.3	-.50	.68
4	9	89	16	183.	4.2	8.2	7.6	16.6	18.9	16.2	17.4	-.34	.69
4	9	89	17	169.	3.9	7.4	7.0	15.7	16.3	15.6	16.5	-.25	.72
4	9	89	18	169.	3.3	7.4	6.8	14.7	16.2	13.9	14.1	-.12	.81
4	9	89	19	194.	3.0	6.0	5.6	13.8	16.3	12.7	12.5	-.06	.91
4	9	89	20	174.	2.4	5.4	5.2	13.3	14.1	12.2	11.9	.03	.95
4	9	89	21	145.	1.8	3.6	3.4	9.3	15.5	11.9	11.2	.19	.97
4	9	89	22	128.	1.8	2.8	2.6	6.7	10.6	12.1	11.3	.22	.97
4	9	89	23	190.	1.2	2.6	2.4	8.4	22.5	12.1	11.4	.25	.97
4	9	89	24	304.	.8	1.6	1.4	18.7	44.7	11.6	10.8	.12	.97
5	9	89	1	315.	2.0	3.6	3.2	4.4	9.8	11.2	10.9	.06	.97
5	9	89	2	299.	2.2	3.2	3.0	4.7	6.1	10.7	10.4	.09	.97
5	9	89	3	311.	3.0	4.2	3.8	3.4	4.9	10.3	10.1	.06	.97
5	9	89	4	319.	3.0	4.2	4.0	4.2	6.3	10.1	10.0	.00	.97
5	9	89	5	314.	2.5	3.4	3.2	5.6	11.7	10.2	10.1	.09	.97
5	9	89	6	302.	2.8	4.0	3.8	5.1	10.3	10.4	10.1	.12	.93
5	9	89	7	315.	2.3	3.8	3.6	7.6	11.0	11.0	11.3	-.03	.91
5	9	89	8	305.	2.0	3.4	3.2	8.6	9.4	12.6	13.5	-.59	.78
5	9	89	9	316.	2.2	3.8	3.8	10.4	12.2	14.7	15.7	-.93	.67
5	9	89	10	292.	1.9	3.6	3.4	14.7	18.0	16.4	17.4	-1.06	.65
5	9	89	11	312.	2.2	4.0	3.8	12.0	14.7	17.4	18.4	-.96	.62
5	9	89	12	326.	1.5	3.4	3.2	28.2	29.6	18.9	20.2	-1.02	.59
5	9	89	13	152.	3.7	7.2	7.0	42.8	44.4	18.1	19.3	-.56	.65
5	9	89	14	122.	3.8	7.4	7.0	15.8	20.0	18.0	19.0	-.47	.67
5	9	89	15	174.	3.5	6.6	6.4	17.9	23.5	18.4	19.2	-.34	.68
5	9	89	16	132.	2.7	5.6	5.2	13.8	24.1	18.1	18.9	-.22	.73
5	9	89	17	309.	2.3	8.2	7.6	48.3	82.8	18.3	18.9	-.22	.76
5	9	89	18	299.	4.9	9.6	9.0	14.9	15.1	17.6	17.6	-.16	.64
5	9	89	19	277.	4.5	8.4	7.8	14.3	16.0	16.4	16.2	.00	.66
5	9	89	20	252.	3.7	7.2	7.0	15.8	17.9	15.7	15.5	.00	.68
5	9	89	21	246.	2.8	8.2	7.4	27.2	27.6	14.7	14.6	-.03	.74
5	9	89	22	222.	3.6	6.4	6.0	13.5	14.5	14.3	14.3	-.06	.77
5	9	89	23	212.	3.8	6.8	6.2	13.0	13.9	13.6	13.5	-.03	.84
5	9	89	24	224.	4.4	8.2	7.4	12.9	13.1	12.9	12.8	.00	.91
6	9	89	1	197.	3.5	7.2	6.6	20.5	21.6	12.2	12.2	-.03	.97
6	9	89	2	225.	2.7	7.4	6.8	30.3	30.8	12.4	12.3	.00	.97
6	9	89	3	217.	4.5	9.8	8.4	16.3	16.8	12.9	12.9	-.06	.96
6	9	89	4	225.	3.2	7.6	6.8	21.6	21.9	12.8	12.8	-.03	.97
6	9	89	5	215.	3.5	7.0	6.6	22.4	22.5	13.0	13.0	-.06	.97
6	9	89	6	202.	2.9	7.0	6.8	25.7	26.3	13.1	13.0	-.03	.97
6	9	89	7	204.	2.0	5.6	5.4	24.8	26.6	14.0	14.6	-.12	.94
6	9	89	8	191.	2.4	8.0	7.0	29.8	30.1	15.9	17.0	-.50	.88
6	9	89	9	202.	3.0	7.0	6.4	21.3	21.9	17.1	18.1	-.71	.87
6	9	89	10	191.	3.7	7.8	7.4	19.4	20.6	18.7	19.9	-.99	.85
6	9	89	11	134.	3.6	7.0	6.6	18.8	28.8	18.8	20.1	-.75	.90
6	9	89	12	181.	2.9	6.6	6.2	28.2	29.7	20.6	21.9	-.50	.88
6	9	89	13	283.	6.4	16.0	14.6	26.8	36.6	24.1	24.6	-.59	.57
6	9	89	14	284.	7.2	14.0	12.6	15.6	16.2	24.3	24.7	-.59	.51
6	9	89	15	276.	9.5	19.0	17.4	13.5	14.6	23.0	23.3	-.50	.60
6	9	89	16	270.	6.2	13.2	12.8	17.3	18.3	22.5	22.9	-.53	.66
6	9	89	17	311.	5.6	11.8	11.4	14.2	20.9	21.7	22.0	-.43	.61
6	9	89	18	270.	7.0	13.8	13.2	13.4	19.3	20.0	20.1	-.25	.39
6	9	89	19	309.	3.8	10.4	9.8	22.6	29.0	17.6	17.1	-.03	.48
6	9	89	20	302.	5.2	11.2	11.0	16.7	17.9	15.8	15.5	.00	.56
6	9	89	21	285.	4.0	9.0	8.6	16.0	16.8	14.5	14.2	.00	.59
6	9	89	22	271.	4.2	7.4	7.2	15.8	16.4	13.6	13.4	-.03	.61
6	9	89	23	270.	3.3	7.8	7.0	23.0	23.5	12.6	12.4	.00	.63
6	9	89	24	239.	2.3	5.6	5.4	26.4	28.8	11.8	11.4	.03	.67

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
7	9	89	1	231.	2.5	6.0	5.6	24.3	25.0	11.2	10.8	.12	.68
7	9	89	2	217.	2.4	4.4	4.0	11.3	14.4	10.6	10.1	.19	.69
7	9	89	3	253.	2.2	4.8	4.6	17.1	22.1	9.6	8.8	.34	.77
7	9	89	4	193.	2.1	4.4	4.0	21.8	33.6	9.8	9.2	.34	.76
7	9	89	5	194.	2.5	5.2	4.8	14.6	16.9	8.9	8.3	.22	.80
7	9	89	6	191.	2.0	5.8	5.6	27.8	34.1	9.2	8.5	.31	.81
7	9	89	7	177.	1.2	3.2	2.8	33.3	50.4	10.4	10.9	-.12	.80
7	9	89	8	229.	.9	3.2	2.8	34.1	37.2	13.3	14.5	-.56	.72
7	9	89	9	166.	1.2	2.8	2.6	40.8	54.5	14.0	14.7	-.62	.72
7	9	89	10	274.	2.7	7.0	6.2	20.8	40.5	15.0	15.7	-.81	.65
7	9	89	11	295.	3.3	7.2	6.8	20.5	22.3	15.8	16.3	-.78	.62
7	9	89	12	273.	3.2	7.6	7.6	22.5	26.4	16.4	17.0	-.65	.60
7	9	89	13	292.	3.3	7.2	7.0	23.9	27.8	17.8	18.6	-.93	.58
7	9	89	14	298.	2.9	7.6	6.8	22.5	24.8	18.4	19.3	-.90	.55
7	9	89	15	325.	2.8	6.4	5.8	19.4	21.8	18.6	19.3	-.68	.54
7	9	89	16	294.	2.6	5.2	5.0	14.3	15.8	17.6	18.0	-.34	.58
7	9	89	17	301.	2.8	5.8	5.4	16.6	19.0	16.9	17.0	-.22	.60
7	9	89	18	276.	2.1	6.0	5.4	22.1	23.4	16.3	16.2	-.09	.61
7	9	89	19	309.	2.9	5.8	5.2	12.1	16.9	15.6	15.4	-.03	.61
7	9	89	20	305.	2.3	4.2	4.0	12.3	12.6	14.8	14.6	.00	.67
7	9	89	21	299.	1.5	3.6	3.4	32.0	33.1	14.3	14.1	.00	.70
7	9	89	22	312.	1.2	2.6	2.4	25.1	32.1	13.8	13.3	.03	.72
7	9	89	23	214.	1.6	2.8	2.6	17.6	26.6	13.4	12.9	.12	.74
7	9	89	24	262.	1.6	3.2	2.8	16.3	20.4	13.0	12.6	.09	.74
8	9	89	1	269.	1.6	3.6	3.4	15.3	16.7	12.4	12.0	.00	.80
8	9	89	2	318.	1.5	2.4	2.2	6.6	13.1	11.4	10.7	.06	.93
8	9	89	3	322.	1.9	3.0	3.0	6.1	11.3	10.6	10.3	.19	.95
8	9	89	4	305.	2.2	2.8	2.6	2.8	6.0	10.0	10.0	.06	.96
8	9	89	5	316.	1.5	3.0	2.8	5.3	6.6	9.6	9.5	.03	.95
8	9	89	6	336.	.6	1.6	1.4	10.8	15.2	9.4	9.4	-.09	.95
8	9	89	7	329.	.9	2.2	2.0	9.2	12.3	9.3	9.5	-.12	.95
8	9	89	8	347.	1.4	3.0	2.8	10.1	12.7	9.5	9.8	-.19	.95
8	9	89	9	350.	1.4	3.0	2.8	11.0	12.1	9.8	10.4	-.16	.95
8	9	89	10	35.	.8	2.6	2.4	29.7	32.4	10.8	11.7	-.25	.92
8	9	89	11	347.	.5	1.8	1.6	32.0	36.6	11.2	11.9	-.25	.91
8	9	89	12	295.	.7	2.4	2.2	35.7	48.5	11.6	12.1	-.28	.89
8	9	89	13	318.	.8	2.2	2.0	32.5	34.1	13.0	13.9	-.68	.85
8	9	89	14	224.	1.0	2.6	2.4	30.6	41.7	13.6	14.3	-.81	.81
8	9	89	15	195.	.8	3.0	2.8	42.2	52.0	13.7	14.4	-.59	.80
8	9	89	16	167.	1.5	3.0	2.8	18.1	19.2	13.3	14.2	-.31	.84
8	9	89	17	165.	1.1	2.6	2.4	14.7	15.9	13.0	13.7	-.16	.89
8	9	89	18	135.	1.2	2.6	2.4	13.0	18.5	13.1	13.7	-.12	.91
8	9	89	19	180.	1.9	3.0	2.8	7.0	14.6	11.5	11.2	-.03	.95
8	9	89	20	198.	1.4	2.8	2.6	10.8	13.6	10.6	9.9	.12	.95
8	9	89	21	311.	1.3	2.2	2.2	7.7	28.2	10.4	9.3	.34	.95
8	9	89	22	283.	1.0	1.8	1.6	7.4	19.0	10.0	9.0	.22	.95
8	9	89	23	336.	2.2	4.6	4.4	6.4	15.8	9.5	8.5	.25	.94
8	9	89	24	318.	3.1	4.6	4.2	5.6	8.0	9.1	8.6	.06	.94
9	9	89	1	314.	3.2	4.4	4.2	4.9	7.0	8.8	8.3	.25	.94
9	9	89	2	315.	3.3	4.4	4.2	2.4	3.4	8.6	8.2	.37	.93
9	9	89	3	309.	3.6	4.4	4.2	3.4	4.9	8.4	8.0	.25	.90
9	9	89	4	312.	3.1	4.8	4.6	4.9	6.3	8.1	7.6	.31	.85
9	9	89	5	316.	3.0	4.0	3.8	4.7	6.6	7.9	7.3	.25	.81
9	9	89	6	307.	3.0	4.4	4.2	4.9	8.7	8.0	7.3	.16	.79
9	9	89	7	322.	2.5	3.4	3.4	4.7	7.0	8.6	9.2	-.19	.76
9	9	89	8	315.	2.0	3.4	3.2	9.1	10.4	9.8	10.5	-.37	.71
9	9	89	9	340.	1.7	3.8	3.6	18.3	21.0	11.8	12.7	-.78	.68
9	9	89	10	10.	2.0	5.2	4.8	26.2	30.4	13.3	14.9	-.75	.66
9	9	89	11	3.	2.8	5.4	5.0	21.7	23.4	14.2	16.0	-.56	.61
9	9	89	12	67.	2.4	5.4	5.0	35.5	40.7	15.6	17.5	-.81	.59
9	9	89	13	35.	2.7	6.6	6.2	28.7	30.1	16.2	17.9	-.68	.56
9	9	89	14	8.	2.9	6.0	5.4	23.7	26.4	16.8	18.6	-.71	.54
9	9	89	15	25.	2.3	6.2	6.0	30.4	35.3	17.2	18.9	-.62	.53
9	9	89	16	70.	2.3	5.2	4.8	27.2	33.7	16.5	17.3	-.50	.57
9	9	89	17	63.	2.2	5.2	4.8	12.7	14.9	15.4	15.6	-.25	.61
9	9	89	18	65.	1.5	3.0	2.8	10.6	15.2	14.9	14.2	-.16	.70
9	9	89	19	51.	2.6	5.2	5.0	11.2	12.0	13.9	13.0	.12	.71
9	9	89	20	21.	2.1	5.0	4.6	12.5	20.4	12.8	11.5	.22	.73
9	9	89	21	11.	2.5	5.2	4.6	11.2	13.0	11.9	10.5	.25	.76
9	9	89	22	13.	2.2	4.6	4.4	13.4	14.3	11.5	10.2	.16	.78
9	9	89	23	15.	3.6	6.6	6.0	8.9	9.2	11.2	9.8	.16	.79
9	9	89	24	10.	3.6	6.4	6.2	9.4	9.6	10.9	9.9	.09	.80

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
10	9	89	1	21.	4.1	6.6	6.2	9.3	9.8	10.5	9.7	.06	.81
10	9	89	2	28.	3.7	6.6	6.0	9.6	10.1	10.1	9.6	.03	.81
10	9	89	3	21.	3.6	5.8	5.6	10.2	11.0	9.9	9.4	.03	.82
10	9	89	4	359.	3.2	6.0	5.8	10.1	14.2	9.7	9.2	.00	.83
10	9	89	5	18.	3.4	6.2	5.8	9.2	12.3	9.2	8.4	.06	.85
10	9	89	6	10.	3.0	5.4	5.2	10.1	11.0	9.0	8.3	.09	.85
10	9	89	7	354.	2.6	5.4	4.8	13.0	14.5	9.7	10.2	.06	.82
10	9	89	8	48.	2.5	5.6	5.4	20.5	25.5	11.3	12.6	-.28	.76
10	9	89	9	63.	2.7	7.8	6.4	26.5	26.8	12.6	13.9	-.68	.70
10	9	89	10	63.	3.4	7.0	6.8	20.4	21.1	13.4	14.6	-.90	.68
10	9	89	11	73.	3.2	6.4	5.8	24.0	26.2	14.3	15.6	-.93	.64
10	9	89	12	79.	3.3	6.8	6.2	23.7	26.3	15.1	16.4	-.93	.59
10	9	89	13	70.	2.9	6.0	5.8	21.5	23.9	15.5	16.8	-.90	.55
10	9	89	14	96.	2.9	6.0	5.6	22.2	25.1	15.7	16.8	-.75	.53
10	9	89	15	39.	1.9	5.0	4.6	29.7	40.5	15.8	17.1	-.59	.54
10	9	89	16	103.	1.3	4.2	4.2	27.8	32.5	15.4	16.0	-.53	.57
10	9	89	17	83.	.9	3.0	2.6	42.5	53.2	16.2	17.6	-.28	.56
10	9	89	18	131.	1.5	2.8	2.6	8.7	22.8	15.1	15.9	-.53	.60
10	9	89	19	215.	.7	1.6	1.4	14.2	36.9	13.2	11.1	.06	.73
10	9	89	20	337.	.9	2.6	2.4	19.0	34.2	11.9	10.1	.65	.80
10	9	89	21	318.	2.4	4.0	3.8	4.0	17.4	9.8	8.8	1.37	.92
10	9	89	22	337.	3.7	5.6	5.4	4.4	7.2	9.3	8.5	.53	.85
10	9	89	23	333.	4.2	6.8	6.6	5.3	6.1	8.6	8.0	.22	.80
10	9	89	24	325.	2.5	4.4	4.2	6.3	7.6	7.3	6.7	.25	.84
11	9	89	1	328.	2.1	3.6	3.6	7.0	8.2	6.4	5.8	.37	.90
11	9	89	2	319.	2.4	3.6	3.6	5.8	7.2	6.0	5.5	.31	.93
11	9	89	3	326.	2.6	4.0	3.8	7.0	7.8	5.8	5.4	.16	.97
11	9	89	4	322.	3.0	4.4	4.2	6.0	6.9	5.5	5.2	.09	.97
11	9	89	5	325.	2.6	3.8	3.6	6.6	8.1	5.1	4.8	.06	.97
11	9	89	6	325.	2.9	4.2	4.0	7.2	7.3	4.9	4.7	.00	.97
11	9	89	7	321.	2.6	4.6	4.2	8.6	9.1	5.4	5.8	-.19	.97
11	9	89	8	316.	2.0	3.8	3.6	9.8	10.3	6.6	7.4	-.34	.97
11	9	89	9	305.	1.6	2.8	2.6	9.8	11.0	8.7	9.6	-.75	.97
11	9	89	10	318.	1.4	2.4	2.2	10.6	13.0	11.5	12.4	-.96	.87
11	9	89	11	233.	.9	2.0	1.8	36.4	47.8	14.6	15.5	-1.15	.72
11	9	89	12	139.	1.9	4.6	4.4	45.4	57.3	15.7	17.0	-.71	.67
11	9	89	13	159.	3.1	5.8	5.2	21.0	23.9	15.6	16.9	-.47	.66
11	9	89	14	173.	3.6	7.0	6.6	15.3	16.8	15.4	16.7	-.47	.68
11	9	89	15	167.	3.8	7.0	6.6	17.7	18.4	15.2	16.4	-.37	.71
11	9	89	16	177.	3.4	6.4	6.0	17.2	18.4	15.0	16.1	-.28	.68
11	9	89	17	174.	3.1	6.2	6.0	17.2	17.8	14.3	15.2	-.16	.70
11	9	89	18	157.	2.2	4.4	4.2	14.9	17.0	13.3	13.5	-.06	.79
11	9	89	19	149.	1.8	3.6	3.2	11.0	12.3	11.6	10.6	.16	.95
11	9	89	20	163.	1.6	2.8	2.6	10.2	13.3	11.1	9.5	.25	.95
11	9	89	21	153.	1.5	2.4	2.2	10.0	10.8	10.7	8.4	.34	.95
11	9	89	22	155.	1.0	1.8	1.6	7.0	19.6	10.3	7.8	.40	.95
11	9	89	23	283.	.3	1.2	1.0	33.2	65.7	9.5	7.7	.47	.95
11	9	89	24	323.	1.5	2.2	2.2	5.8	9.3	8.0	7.3	.53	.95
12	9	89	1	330.	2.9	4.4	4.4	5.1	7.7	7.3	6.7	.47	.95
12	9	89	2	315.	2.4	4.2	4.0	5.4	10.5	6.8	6.2	.25	.95
12	9	89	3	312.	2.3	3.4	3.2	3.4	5.4	6.2	5.8	.25	.95
12	9	89	4	314.	2.1	3.4	3.2	6.3	7.2	6.0	5.8	.06	.95
12	9	89	5	321.	2.6	3.6	3.4	5.3	8.0	5.6	5.6	.00	.95
12	9	89	6	332.	2.3	3.4	3.2	7.3	9.5	5.2	5.1	.03	.95
12	9	89	7	332.	2.0	3.6	3.4	10.5	11.1	5.2	5.4	-.12	.95
12	9	89	8	332.	1.7	3.0	2.8	10.8	11.7	6.2	6.6	-.12	.95
12	9	89	9	314.	1.0	2.4	2.2	15.2	17.0	9.7	10.5	-.78	.95
12	9	89	10	315.	.5	1.8	1.6	33.2	35.9	13.0	13.8	-1.09	.87
12	9	89	11	141.	1.1	4.8	4.4	60.2	85.2	15.2	16.1	-1.15	.76
12	9	89	12	132.	3.4	6.4	6.2	14.3	14.9	14.4	15.4	-.56	.73
12	9	89	13	146.	3.5	6.2	5.8	18.1	20.7	14.9	16.1	-.47	.65
12	9	89	14	156.	3.3	7.0	6.6	19.1	21.1	15.3	16.6	-.43	.63
12	9	89	15	156.	3.0	5.8	5.6	18.5	18.8	15.1	16.3	-.37	.63
12	9	89	16	157.	2.8	5.6	4.8	16.9	19.7	14.9	16.1	-.31	.64
12	9	89	17	170.	2.5	4.6	4.4	14.5	16.2	14.2	15.1	-.16	.70
12	9	89	18	197.	1.8	3.4	3.2	11.6	16.9	13.2	13.7	-.09	.78
12	9	89	19	197.	1.8	2.8	2.8	10.6	11.0	11.5	10.0	.37	.95
12	9	89	20	218.	1.0	2.2	2.2	7.3	10.3	10.7	8.5	.62	.95
12	9	89	21	247.	1.0	2.0	1.8	4.9	15.8	10.3	7.8	.62	.95
12	9	89	22	42.	.5	1.4	1.4	26.2	61.8	8.9	7.4	.56	.95
12	9	89	23	312.	.0	.8	.6	27.2	36.3	8.1	7.1	.53	.95
12	9	89	24	311.	1.5	2.4	2.4	5.3	8.3	7.4	6.7	.68	.95

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
13	9	89	1	314.	2.0	2.4	2.4	2.0	5.3	6.7	6.3	.25	.95
13	9	89	2	326.	2.0	3.2	3.0	6.0	7.0	5.9	5.3	.34	.95
13	9	89	3	329.	2.4	4.0	3.8	6.7	7.0	5.5	4.9	.34	.95
13	9	89	4	312.	2.4	3.2	3.0	4.2	5.6	5.0	4.5	.25	.95
13	9	89	5	328.	2.4	3.4	3.2	5.1	7.3	4.6	4.3	.25	.95
13	9	89	6	314.	2.1	3.4	3.2	6.7	8.7	4.4	4.3	.00	.95
13	9	89	7	328.	2.1	3.6	3.2	9.3	11.1	4.5	4.8	-.16	.95
13	9	89	8	332.	2.0	3.8	3.4	11.8	12.7	5.1	5.5	-.16	.95
13	9	89	9	315.	1.8	3.4	3.2	13.5	15.8	6.9	7.6	-.40	.95
13	9	89	10	335.	1.4	3.2	3.0	19.8	22.1	10.7	11.9	-.84	.95
13	9	89	11	280.	.9	2.2	2.0	37.4	40.8	13.1	13.6	-.81	.93
13	9	89	12	132.	1.2	4.0	4.0	60.8	82.9	13.9	14.6	-.50	.90
13	9	89	13	135.	3.4	6.8	6.0	13.4	14.5	13.5	14.0	-.37	.92
13	9	89	14	157.	3.4	7.0	6.4	17.9	19.8	14.0	14.8	-.31	.89
13	9	89	15	139.	3.8	6.6	6.4	13.7	16.2	13.7	14.3	-.37	.83
13	9	89	16	152.	2.9	6.2	6.2	19.2	23.9	13.7	14.5	-.28	.87
13	9	89	17	125.	2.8	5.8	5.4	12.6	13.6	13.2	13.6	-.28	.95
13	9	89	18	128.	2.1	3.8	3.6	8.8	9.1	12.1	11.9	-.09	.95
13	9	89	19	121.	1.7	2.4	2.2	3.4	5.3	11.1	9.9	.31	.95
13	9	89	20	82.	1.5	2.2	2.0	4.9	11.9	10.8	9.2	.22	.95
13	9	89	21	48.	1.3	2.4	2.2	8.3	16.1	10.6	8.8	.31	.95
13	9	89	22	0.	1.6	2.6	2.4	7.4	10.4	10.2	9.2	.16	.95
13	9	89	23	28.	2.0	3.4	3.2	11.3	12.9	9.5	8.8	.16	.95
13	9	89	24	39.	1.5	3.2	3.2	14.4	16.8	9.3	8.4	.19	.95
14	9	89	1	0.	1.8	3.6	3.4	14.4	16.2	9.4	8.6	.25	.95
14	9	89	2	59.	1.6	3.2	3.0	13.8	16.1	9.6	9.0	.19	.95
14	9	89	3	65.	1.8	5.0	4.8	20.2	20.6	9.8	9.3	.03	.95
14	9	89	4	77.	2.9	5.8	5.4	16.4	17.4	9.6	9.3	.03	.95
14	9	89	5	65.	3.7	7.0	6.8	13.6	14.5	9.5	9.4	.00	.95
14	9	89	6	62.	3.6	7.8	7.4	16.5	18.0	9.5	9.4	-.03	.95
14	9	89	7	67.	3.3	7.8	7.0	17.0	17.4	9.9	9.8	-.03	.95
14	9	89	8	79.	3.6	7.6	7.4	17.0	17.6	10.1	10.2	-.16	.95
14	9	89	9	82.	3.3	7.6	6.8	17.7	18.4	10.1	10.2	-.19	.95
14	9	89	10	69.	3.9	7.4	7.0	15.1	16.8	10.0	10.2	-.19	.95
14	9	89	11	56.	3.1	6.6	6.2	17.4	18.5	10.0	10.1	-.16	.95
14	9	89	12	20.	2.4	4.8	4.6	15.2	18.6	9.8	10.0	-.19	.95
14	9	89	13	13.	1.7	4.2	4.0	11.2	13.6	9.5	9.6	-.16	.95
14	9	89	14	17.	2.8	5.2	4.8	10.8	11.0	9.7	10.0	-.16	.95
14	9	89	15	315.	2.5	4.8	4.4	10.9	23.0	9.9	10.1	-.12	.95
14	9	89	16	312.	2.5	5.4	5.2	15.3	16.9	9.8	9.9	-.16	.95
14	9	89	17	304.	3.5	5.8	5.4	9.6	10.4	9.8	9.9	-.16	.95
14	9	89	18	283.	2.5	4.4	4.4	11.1	13.7	10.0	10.1	-.12	.95
14	9	89	19	312.	2.0	3.6	3.4	11.2	18.4	9.8	9.8	-.06	.95
14	9	89	20	274.	1.5	3.4	3.2	19.0	25.0	9.6	9.2	-.03	.95
14	9	89	21	308.	1.3	2.6	2.4	10.8	13.8	9.1	8.5	.09	.95
14	9	89	22	284.	1.3	2.4	2.2	6.7	13.3	8.9	8.3	.00	.95
14	9	89	23	339.	1.0	2.2	2.0	16.4	21.4	8.6	7.6	.03	.95
14	9	89	24	292.	1.6	2.8	2.6	9.2	15.9	8.3	8.1	-.03	.95
15	9	89	1	307.	1.5	3.0	2.8	9.4	14.8	8.2	8.3	-.09	.95
15	9	89	2	314.	2.7	3.8	3.6	5.3	6.9	8.0	8.1	-.09	.95
15	9	89	3	311.	2.1	3.6	3.4	8.6	12.7	8.2	8.3	-.06	.95
15	9	89	4	326.	2.0	3.4	3.2	8.3	14.5	8.3	8.3	-.09	.95
15	9	89	5	299.	2.3	4.0	3.8	6.3	9.7	8.2	8.2	-.06	.95
15	9	89	6	312.	2.6	3.8	3.6	5.3	8.1	8.3	8.3	-.03	.95
15	9	89	7	309.	2.4	4.2	3.8	11.3	11.8	8.6	8.5	.00	.95
15	9	89	8	308.	2.6	4.2	4.0	9.6	10.1	9.1	9.2	-.12	.95
15	9	89	9	321.	2.8	4.8	4.6	10.0	11.1	9.6	9.8	-.19	.95
15	9	89	10	311.	3.7	6.2	5.8	9.3	9.6	10.3	10.5	-.19	.95
15	9	89	11	308.	3.3	6.8	6.6	10.7	11.6	11.1	11.5	-.28	.94
15	9	89	12	312.	5.1	10.2	9.8	11.8	12.3	12.9	13.7	-.59	.82
15	9	89	13	312.	5.0	9.4	9.0	11.0	11.1	12.9	13.5	-.43	.80
15	9	89	14	308.	4.0	8.0	7.2	11.4	11.6	13.8	14.4	-.53	.77
15	9	89	15	359.	3.6	8.4	8.0	16.0	24.1	14.6	15.2	-.43	.73
15	9	89	16	322.	2.5	6.2	5.4	13.0	18.5	13.6	13.8	-.12	.78
15	9	89	17	347.	1.5	3.4	3.2	9.2	9.8	13.4	13.5	-.09	.84
15	9	89	18	98.	1.3	2.6	2.4	5.1	36.6	12.9	11.4	.09	.95
15	9	89	19	41.	.6	1.6	1.6	33.9	42.7	12.4	9.7	.19	.95
15	9	89	20	278.	.3	1.2	1.0	15.9	45.2	11.2	8.9	.62	.95
15	9	89	21	294.	.4	2.0	2.0	36.7	66.3	9.6	8.0	1.06	.95
15	9	89	22	323.	2.0	2.8	2.6	4.0	10.9	8.3	7.6	.84	.95
15	9	89	23	346.	2.3	4.2	4.0	7.7	13.8	7.7	6.7	.56	.95
15	9	89	24	342.	2.3	4.6	4.2	7.2	11.2	7.3	6.3	.56	.95

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
16	9	89	1	347.	2.5	4.4	4.0	7.0	9.7	7.2	6.6	.40	.95
16	9	89	2	314.	2.0	4.0	3.8	29.4	35.9	6.5	5.9	.43	.95
16	9	89	3	343.	2.0	3.0	2.8	7.2	13.2	6.3	6.1	.19	.95
16	9	89	4	340.	1.8	3.8	3.6	10.8	17.2	6.2	5.9	.43	.95
16	9	89	5	347.	1.5	3.2	3.0	8.2	12.1	6.1	6.0	.25	.95
16	9	89	6	31.	.5	1.8	1.6	39.2	52.8	6.7	6.4	1.12	.95
16	9	89	7	302.	.6	2.0	1.8	35.2	94.6	7.3	7.1	.68	.95
16	9	89	8	27.	.2	1.0	.8	53.2	100.3	7.8	8.0	.43	.95
16	9	89	9	3.	1.1	3.0	2.8	29.8	37.3	8.2	8.4	.06	.95
16	9	89	10	299.	.8	2.2	2.0	58.8	79.0	8.5	8.7	.12	.95
16	9	89	11	87.	.6	2.4	2.0	58.2	88.9	9.1	9.3	.06	.95
16	9	89	12	322.	1.0	3.0	3.0	51.4	64.6	9.6	9.9	-.09	.95
16	9	89	13	333.	1.7	3.6	3.4	10.9	13.0	10.2	10.7	-.16	.95
16	9	89	14	356.	2.1	4.6	4.2	11.2	13.1	10.7	11.3	-.16	.95
16	9	89	15	333.	1.8	3.0	2.8	15.3	19.2	11.3	12.0	-.19	.95
16	9	89	16	308.	1.0	2.8	2.6	32.8	37.4	12.9	13.7	-.56	.95
16	9	89	17	128.	.3	2.2	2.0	62.5	84.4	14.7	15.8	-.25	.95
16	9	89	18	86.	.7	2.0	2.0	40.8	52.3	12.8	12.4	-.16	.95
16	9	89	19	125.	1.2	2.8	2.6	48.2	70.6	11.4	9.8	.25	.95
16	9	89	20	191.	1.7	3.4	3.2	39.4	69.1	10.9	9.6	.47	.95
16	9	89	21	325.	1.0	2.0	1.8	19.8	38.0	10.6	9.3	.40	.95
16	9	89	22	312.	1.1	2.8	2.6	43.9	52.5	9.7	8.8	.28	.95
16	9	89	23	270.	1.1	2.8	2.6	17.8	21.5	9.3	8.5	.40	.95
16	9	89	24	288.	1.8	2.6	2.4	7.3	15.9	8.7	8.1	.16	.95
17	9	89	1	292.	1.9	3.2	3.0	5.8	9.9	8.1	7.3	.40	.95
17	9	89	2	297.	2.3	3.6	3.6	3.7	5.1	7.8	7.2	.37	.95
17	9	89	3	292.	2.6	3.6	3.4	3.1	6.0	7.6	7.3	.71	.95
17	9	89	4	312.	1.7	2.8	2.6	8.4	16.0	7.2	6.8	.47	.95
17	9	89	5	302.	1.6	2.6	2.6	7.3	13.7	7.0	6.5	.37	.95
17	9	89	6	24.	1.1	1.8	1.8	10.1	36.9	6.9	6.4	.25	.95
17	9	89	7	329.	.7	1.8	1.6	7.6	16.4	7.2	6.8	.34	.95
17	9	89	8	145.	.8	2.0	1.8	35.9	62.0	7.2	7.3	-.09	.95
17	9	89	9	84.	.1	.8	.8	24.0	36.8	7.6	7.8	-.19	.95
17	9	89	10	69.	.6	1.6	1.4	14.9	20.9	7.9	8.2	-.25	.95
17	9	89	11	305.	.3	1.2	1.0	26.3	48.1	8.3	8.7	-.22	.95
17	9	89	12	105.	.9	2.8	2.6	33.5	67.5	8.6	9.1	-.25	.95
17	9	89	13	266.	1.5	3.6	3.4	37.7	78.2	9.6	10.2	-.37	.95
17	9	89	14	298.	.6	2.4	2.4	52.8	84.5	10.7	11.2	-.43	.95
17	9	89	15	131.	.8	2.2	2.0	41.4	85.2	11.3	11.9	-.50	.95
17	9	89	16	177.	2.3	5.8	5.4	12.0	21.4	10.4	10.9	-.19	.95
17	9	89	17	187.	3.1	5.8	5.6	15.9	18.4	10.8	11.4	-.25	.95
17	9	89	18	157.	3.0	6.6	6.2	14.2	16.4	10.2	10.1	-.06	.95
17	9	89	19	200.	3.0	6.4	6.0	14.0	16.1	9.9	9.6	.09	.95
17	9	89	20	202.	3.8	7.4	7.0	15.3	15.6	9.7	9.4	.22	.95
17	9	89	21	200.	3.1	5.6	5.4	16.1	16.3	9.4	9.0	.16	.95
17	9	89	22	193.	1.7	6.4	5.6	69.8	89.5	9.1	8.3	.19	.95
17	9	89	23	201.	3.1	5.2	4.8	13.2	14.1	8.9	8.0	.40	.95
17	9	89	24	197.	1.8	4.6	4.2	46.0	57.5	8.8	7.9	.16	.95
18	9	89	1	200.	3.8	7.0	6.8	10.7	11.1	8.4	7.9	.16	.95
18	9	89	2	195.	3.9	7.2	7.0	12.9	13.0	8.4	8.1	.12	.95
18	9	89	3	202.	2.4	6.0	6.0	26.2	27.0	8.3	8.0	.12	.95
18	9	89	4	250.	1.6	3.6	3.2	33.1	36.2	8.4	7.5	.28	.95
18	9	89	5	288.	1.9	6.6	6.2	26.8	37.3	9.0	8.2	.16	.95
18	9	89	6	312.	2.7	7.0	6.6	22.2	28.4	9.6	9.3	.03	.95
18	9	89	7	277.	1.6	5.0	4.6	27.7	32.4	9.7	9.4	.03	.95
18	9	89	8	187.	.8	2.8	2.6	43.3	53.6	10.4	10.5	-.28	.95
18	9	89	9	172.	.7	3.0	2.6	41.6	53.2	11.1	11.3	-.16	.95
18	9	89	10	150.	.7	2.6	2.4	37.7	59.4	12.4	12.8	-.34	.95
18	9	89	11	202.	2.5	7.0	6.2	22.7	25.2	13.3	14.1	-.43	.95
18	9	89	12	205.	3.5	7.6	7.2	17.0	17.3	14.0	14.7	-.56	.95
18	9	89	13	180.	4.1	7.8	7.6	17.4	19.6	14.3	15.1	-.50	.94
18	9	89	14	187.	3.8	7.4	6.8	17.3	18.4	14.1	14.8	-.31	.95
18	9	89	15	173.	3.9	7.6	7.2	15.0	16.3	13.8	14.2	-.19	.95
18	9	89	16	174.	4.4	9.2	8.4	15.0	15.7	13.3	13.6	-.16	.95
18	9	89	17	148.	3.4	7.0	6.6	14.9	16.1	12.8	12.9	-.12	.95
18	9	89	18	152.	3.6	6.6	6.4	12.7	13.0	12.7	12.7	-.06	.95
18	9	89	19	149.	4.0	7.6	7.2	13.7	14.2	12.9	13.0	-.06	.95
18	9	89	20	160.	4.4	8.6	8.2	15.8	17.6	13.4	13.5	-.06	.95
18	9	89	21	165.	4.2	8.2	7.8	16.0	16.3	13.7	13.8	-.06	.95
18	9	89	22	145.	4.5	8.6	8.2	13.8	14.8	14.1	14.1	-.06	.95
18	9	89	23	184.	4.4	9.4	9.2	18.0	21.3	14.5	14.5	-.06	.95
18	9	89	24	205.	4.6	10.2	8.8	17.0	18.3	15.1	15.1	-.03	.95

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
19	9	89	1	210.	4.0	8.2	7.6	16.5	17.0	15.0	14.8	.03	.95
19	9	89	2	188.	3.1	5.8	5.2	13.2	13.8	14.3	14.0	.09	.95
19	9	89	3	162.	2.8	5.8	5.4	13.0	15.5	13.7	13.7	-.06	.95
19	9	89	4	143.	2.1	4.6	4.2	14.7	18.9	13.8	13.8	-.06	.95
19	9	89	5	135.	2.3	4.2	3.8	12.7	14.8	13.9	13.9	-.03	.95
19	9	89	6	149.	2.3	4.2	3.8	11.7	16.0	13.9	13.9	-.03	.95
19	9	89	7	120.	2.9	6.6	6.0	13.8	18.1	14.0	14.1	-.06	.95
19	9	89	8	128.	4.9	8.8	8.2	12.7	17.8	14.2	14.2	-.06	.95
19	9	89	9	146.	4.2	8.0	7.6	14.3	15.2	14.4	14.5	-.06	.95
19	9	89	10	167.	3.1	6.4	6.0	17.3	21.3	14.3	14.4	-.09	.95
19	9	89	11	132.	2.5	5.4	5.0	15.0	18.5	14.9	15.1	-.16	.95
19	9	89	12	117.	2.3	4.6	4.2	16.1	19.5	15.4	15.8	-.19	.95
19	9	89	13	121.	2.9	5.2	5.0	12.3	14.2	15.8	16.3	-.28	.95
19	9	89	14	132.	3.1	6.6	5.8	12.7	13.9	15.5	15.7	-.22	.95
19	9	89	15	195.	2.0	5.0	4.6	19.5	30.5	15.7	16.2	-.19	.95
19	9	89	16	156.	2.3	4.4	4.2	14.7	19.8	15.8	16.1	-.19	.95
19	9	89	17	191.	3.2	6.2	5.8	14.5	18.6	15.3	15.4	-.16	.95
19	9	89	18	194.	3.2	5.8	5.4	13.8	16.6	14.9	15.0	-.06	.95
19	9	89	19	208.	4.1	8.0	7.4	15.5	15.7	14.9	14.9	.00	.95
19	9	89	20	226.	4.3	7.6	7.2	14.2	15.3	14.7	14.6	.03	.95
19	9	89	21	226.	5.2	9.8	9.4	12.4	12.7	14.0	13.8	.00	.95
19	9	89	22	239.	4.4	9.4	9.0	18.0	18.5	13.0	12.8	.00	.95
19	9	89	23	236.	3.6	8.8	8.4	24.9	25.1	12.2	11.9	.03	.91
19	9	89	24	232.	3.3	7.6	7.0	19.5	19.9	11.3	11.0	.09	.92
20	9	89	1	224.	2.5	6.2	5.6	20.3	21.7	10.6	9.9	.25	.95
20	9	89	2	217.	4.6	8.0	7.6	11.8	12.5	10.3	10.1	.12	.95
20	9	89	3	215.	4.7	8.4	8.0	11.6	11.8	9.9	9.6	.19	.95
20	9	89	4	212.	4.3	7.2	7.0	12.0	12.3	9.6	9.4	.09	.95
20	9	89	5	207.	3.8	7.8	7.2	11.8	12.3	9.6	9.1	.25	.95
20	9	89	6	205.	3.2	5.6	5.6	11.4	11.6	9.3	8.7	.28	.95
20	9	89	7	217.	1.9	4.8	4.6	20.9	23.4	10.3	10.5	-.03	.95
20	9	89	8	229.	2.8	5.2	5.0	12.6	13.4	11.7	12.1	-.31	.95
20	9	89	9	194.	2.4	5.4	5.0	19.8	23.2	13.5	14.1	-.84	.95
20	9	89	10	204.	3.6	8.2	7.8	17.7	18.9	14.5	15.6	-.87	.95
20	9	89	11	184.	4.5	9.2	8.4	18.9	20.2	15.6	16.7	-.75	.95
20	9	89	12	187.	5.0	10.6	9.8	17.6	18.7	15.7	16.4	-.31	.95
20	9	89	13	200.	6.5	12.8	12.0	17.3	17.7	16.7	17.4	-.43	.95
20	9	89	14	201.	8.1	14.8	14.4	13.6	13.6	16.2	16.9	-.47	.95
20	9	89	15	200.	7.7	14.4	13.4	15.3	15.4	16.3	16.9	-.40	.95
20	9	89	16	174.	6.0	12.4	11.8	18.0	19.5	16.2	16.7	-.28	.95
20	9	89	17	188.	4.9	9.6	9.4	16.4	17.4	15.3	15.6	-.12	.95
20	9	89	18	194.	5.2	10.8	10.2	16.9	17.2	14.5	14.4	-.06	.95
20	9	89	19	204.	6.3	13.2	12.6	15.1	15.4	14.0	13.9	-.03	.95
20	9	89	20	195.	5.7	11.4	10.8	15.8	16.0	14.5	14.4	.00	.95
20	9	89	21	197.	5.2	11.2	10.0	17.7	18.3	14.6	14.5	-.06	.95
20	9	89	22	194.	5.4	11.4	10.0	16.2	16.2	14.3	14.2	.00	.95
20	9	89	23	194.	5.3	11.0	10.6	14.6	14.9	14.2	14.0	.03	.95
20	9	89	24	193.	5.3	9.6	9.2	14.5	14.5	14.1	13.8	.03	.95
21	9	89	1	187.	5.5	10.4	9.4	14.6	15.0	14.2	14.0	.00	.95
21	9	89	2	194.	5.2	10.2	9.4	13.4	13.8	14.3	14.2	.00	.95
21	9	89	3	197.	4.6	10.0	9.2	15.1	15.5	14.3	14.1	.03	.95
21	9	89	4	191.	4.1	8.4	7.6	15.5	16.0	14.1	13.9	.06	.95
21	9	89	5	184.	3.2	6.2	5.8	17.7	18.3	13.9	13.6	.00	.95
21	9	89	6	190.	4.8	9.6	8.8	13.4	13.7	13.8	13.5	.09	.95
21	9	89	7	207.	5.9	10.0	9.8	13.2	14.2	14.3	14.4	-.09	.95
21	9	89	8	202.	6.1	11.8	11.2	13.9	14.1	15.4	16.0	-.37	.95
21	9	89	9	224.	4.5	9.0	8.8	19.4	21.1	17.1	17.8	-.68	.95
21	9	89	10	225.	4.6	14.2	13.2	23.9	24.8	18.3	19.0	-.81	.90
21	9	89	11	218.	5.5	14.4	13.0	19.9	20.9	19.4	20.1	-.78	.81
21	9	89	12	222.	5.0	11.2	10.6	20.2	20.9	20.4	21.2	-.87	.77
21	9	89	13	146.	3.9	8.4	7.6	25.0	38.5	19.6	20.5	-.59	.90
21	9	89	14	194.	3.9	7.6	7.0	16.5	22.4	19.5	20.6	-.43	.93
21	9	89	15	153.	3.6	6.8	6.6	17.6	31.5	19.4	20.3	-.50	.95
21	9	89	16	187.	3.6	6.8	6.2	14.9	16.6	18.6	19.6	-.25	.95
21	9	89	17	167.	3.2	6.4	6.2	17.0	18.5	17.4	17.9	-.16	.95
21	9	89	18	128.	3.4	5.2	4.6	12.6	17.7	15.4	15.3	-.03	.95
21	9	89	19	121.	2.6	5.2	5.0	12.7	19.9	14.3	14.0	.16	.95
21	9	89	20	117.	2.9	4.8	4.4	7.7	9.7	13.8	13.6	.00	.95
21	9	89	21	124.	3.1	4.6	4.2	6.9	7.4	13.6	13.4	-.03	.95
21	9	89	22	120.	1.9	4.0	3.8	18.2	23.1	13.2	12.9	.06	.95
21	9	89	23	112.	1.4	3.4	3.2	14.6	20.4	12.9	11.9	.34	.95
21	9	89	24	148.	2.5	4.8	4.8	11.2	12.8	12.8	12.7	.03	.95

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
22	9	89	1	156.	2.2	4.0	3.8	13.7	15.2	12.9	12.9	-.06	.95
22	9	89	2	184.	.8	3.2	2.8	23.2	28.4	12.6	12.6	-.09	.95
22	9	89	3	100.	.4	1.6	1.4	27.9	46.0	12.3	12.4	-.09	.95
22	9	89	4	1.	.5	2.2	2.2	37.7	42.0	11.7	11.7	.06	.95
22	9	89	5	357.	.5	1.6	1.6	16.5	25.1	11.8	11.8	.06	.95
22	9	89	6	347.	1.1	2.6	2.4	11.0	16.9	11.8	11.9	-.06	.95
22	9	89	7	325.	1.4	3.0	2.8	11.7	15.1	11.9	12.0	-.09	.95
22	9	89	8	322.	1.4	2.6	2.4	12.3	19.0	12.0	12.2	-.12	.95
22	9	89	9	337.	2.3	5.4	4.6	11.2	15.6	12.2	12.3	-.12	.95
22	9	89	10	326.	2.3	4.2	3.8	12.0	19.6	12.3	12.4	-.16	.95
22	9	89	11	360.	1.7	4.4	4.2	13.6	20.6	12.6	12.7	-.12	.95
22	9	89	12	319.	1.4	3.0	2.8	13.7	18.4	12.5	12.7	-.19	.95
22	9	89	13	326.	1.7	2.8	2.6	9.4	11.2	12.6	12.8	-.19	.95
22	9	89	14	326.	1.2	2.8	2.8	14.7	17.8	13.2	13.5	-.16	.95
22	9	89	15	337.	1.5	3.0	2.8	10.7	15.7	13.2	13.4	-.16	.95
22	9	89	16	328.	1.1	2.2	2.0	11.7	16.6	13.3	13.6	-.16	.95
22	9	89	17	314.	2.0	3.2	3.2	7.4	9.2	13.3	13.4	-.12	.95
22	9	89	18	315.	2.2	3.6	3.4	7.3	10.1	13.0	13.1	-.12	.95
22	9	89	19	335.	2.2	3.6	3.4	9.0	9.6	12.9	13.0	-.09	.95
22	9	89	20	318.	2.2	3.6	3.4	7.8	12.2	12.9	12.9	-.09	.95
22	9	89	21	340.	1.9	3.0	2.8	6.6	13.1	12.8	12.8	-.09	.95
22	9	89	22	318.	2.1	3.4	3.0	6.6	9.2	12.7	12.8	-.06	.95
22	9	89	23	315.	.8	1.6	1.4	7.2	13.6	12.8	12.7	.00	.95
22	9	89	24	352.	1.4	2.4	2.2	5.4	15.5	12.9	12.7	.09	.95
23	9	89	1	329.	2.0	3.2	3.0	6.4	10.3	12.7	12.3	.12	.95
23	9	89	2	319.	1.9	3.0	2.8	6.1	13.4	12.7	12.6	.00	.95
23	9	89	3	360.	1.8	3.6	3.0	6.9	17.2	12.9	12.8	.03	.95
23	9	89	4	339.	2.2	3.8	3.6	7.3	10.6	13.0	12.9	.00	.95
23	9	89	5	8.	1.5	3.8	3.6	29.9	36.8	13.0	13.0	-.06	.95
23	9	89	6	360.	1.3	3.0	2.8	9.2	12.8	13.0	13.0	-.06	.95
23	9	89	7	307.	1.4	3.0	2.8	11.8	22.9	12.8	12.9	-.12	.95
23	9	89	8	344.	1.8	3.6	3.2	8.8	12.2	12.7	12.9	-.06	.95
23	9	89	9	347.	2.2	4.0	3.6	9.9	12.0	13.0	13.1	-.06	.95
23	9	89	10	350.	1.8	3.6	3.4	9.8	14.3	13.1	13.3	-.09	.95
23	9	89	11	58.	.7	2.6	2.4	48.6	56.6	13.9	14.1	-.06	.95
23	9	89	12	100.	.7	3.2	3.0	44.1	59.7	14.1	14.2	.06	.95
23	9	89	13	117.	2.2	4.4	4.2	10.8	12.7	14.5	14.6	-.12	.95
23	9	89	14	145.	2.0	4.0	3.8	15.1	17.7	14.5	14.5	-.09	.95
23	9	89	15	143.	2.5	4.8	4.4	13.8	14.4	14.1	14.2	-.09	.95
23	9	89	16	120.	2.5	5.0	4.6	13.8	15.8	13.9	13.9	-.06	.95
23	9	89	17	124.	2.2	4.8	4.6	16.0	17.5	13.8	13.9	-.06	.95
23	9	89	18	128.	2.8	4.6	4.4	11.8	13.9	13.8	13.8	-.06	.95
23	9	89	19	153.	2.7	5.2	5.0	13.6	17.7	13.9	13.9	-.06	.95
23	9	89	20	114.	2.0	4.0	3.6	12.1	17.1	14.0	14.1	-.03	.95
23	9	89	21	221.	2.2	4.4	4.2	14.6	36.7	14.0	14.1	-.06	.95
23	9	89	22	207.	2.2	5.2	5.0	15.5	19.4	13.7	13.7	-.06	.95
23	9	89	23	210.	2.2	5.0	4.6	18.7	19.2	13.2	13.0	.06	.95
23	9	89	24	239.	1.5	3.8	3.6	19.4	24.4	13.0	12.8	.03	.95
24	9	89	1	214.	1.5	3.4	3.0	16.4	20.3	12.3	11.9	.09	.95
24	9	89	2	224.	1.5	4.2	4.2	44.2	45.1	11.6	11.1	.19	.95
24	9	89	3	233.	1.3	4.4	4.0	61.9	86.1	11.4	10.4	.28	.95
24	9	89	4	299.	2.1	5.0	4.6	20.3	30.7	11.5	11.0	.25	.95
24	9	89	5	330.	1.4	3.4	3.2	25.3	30.5	11.2	10.0	.28	.95
24	9	89	6	277.	1.2	3.0	2.8	25.0	31.0	11.0	9.8	.31	.95
24	9	89	7	290.	1.4	2.8	2.6	5.4	8.9	10.2	9.7	.71	.95
24	9	89	8	309.	1.6	4.6	4.4	16.5	21.8	9.5	9.5	.06	.95
24	9	89	9	336.	2.9	5.0	4.8	13.9	19.9	10.1	10.4	-.16	.95
24	9	89	10	316.	1.4	3.6	3.4	21.1	23.3	12.6	13.8	-.50	.95
24	9	89	11	298.	1.2	3.0	2.8	18.8	21.5	14.5	15.5	-.87	.95
24	9	89	12	13.	.6	2.2	2.2	24.0	34.5	17.4	18.3	-1.12	.95
24	9	89	13	145.	.7	3.0	2.6	55.1	88.8	18.9	20.3	-.62	.88
24	9	89	14	128.	2.0	3.8	3.6	11.8	13.2	18.6	19.3	-.53	.95
24	9	89	15	135.	2.4	4.2	4.2	11.6	12.6	18.2	18.9	-.40	.95
24	9	89	16	131.	2.3	3.8	3.4	9.9	10.6	18.4	18.8	-.28	.93
24	9	89	17	139.	2.2	3.6	3.4	11.1	14.0	18.1	18.2	-.09	.94
24	9	89	18	181.	2.1	4.2	4.0	11.8	28.5	16.2	15.2	.50	.95
24	9	89	19	187.	2.3	4.0	3.6	14.6	15.8	15.9	14.6	.53	.95
24	9	89	20	128.	1.5	3.8	3.6	25.4	39.3	14.5	13.0	.65	.95
24	9	89	21	124.	2.3	3.8	3.6	5.6	6.1	13.3	12.5	.68	.95
24	9	89	22	325.	.9	2.0	2.0	33.9	74.5	13.0	12.0	.40	.95
24	9	89	23	322.	.9	1.8	1.8	6.6	13.2	11.9	10.9	.81	.95
24	9	89	24	316.	1.8	2.6	2.6	4.7	14.8	10.8	10.1	.71	.95

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
25	9	89	1	301.	2.3	3.2	3.0	3.7	11.0	10.1	9.5	.34	.95
25	9	89	2	311.	1.3	2.8	2.6	5.8	7.7	9.3	8.8	.25	.95
25	9	89	3	302.	2.0	3.2	3.0	5.3	9.5	8.6	8.0	.31	.95
25	9	89	4	305.	2.3	4.2	3.8	4.7	7.2	8.2	7.7	.28	.95
25	9	89	5	256.	2.2	3.4	3.2	8.2	17.1	7.7	7.5	.16	.95
25	9	89	6	269.	1.6	3.8	3.6	14.1	16.2	7.5	6.6	.99	.95
25	9	89	7	352.	.7	3.4	3.2	58.3	86.7	8.3	7.5	.75	.95
25	9	89	8	125.	.1	1.6	1.4	68.6	138.4	8.3	8.1	.50	.95
25	9	89	9	193.	1.7	4.0	3.6	14.9	29.6	9.6	9.5	.28	.95
25	9	89	10	197.	2.9	6.6	6.0	14.0	14.8	12.3	12.1	-.12	.95
25	9	89	11	207.	3.9	8.4	7.8	16.6	17.0	14.0	14.3	-.28	.95
25	9	89	12	195.	4.1	9.0	8.0	18.6	19.4	15.0	15.5	-.28	.95
25	9	89	13	194.	5.1	10.8	9.8	17.2	17.3	15.1	15.7	-.37	.95
25	9	89	14	191.	6.1	11.8	11.0	15.3	15.6	15.7	16.4	-.43	.95
25	9	89	15	190.	6.1	12.0	11.8	15.7	15.7	15.0	15.4	-.31	.95
25	9	89	16	194.	6.1	12.6	11.4	15.1	15.3	14.5	14.7	-.22	.95
25	9	89	17	197.	5.9	12.0	11.6	15.4	15.7	14.2	14.3	-.12	.95
25	9	89	18	188.	6.4	13.0	12.4	16.3	16.7	14.1	14.1	-.06	.95
25	9	89	19	194.	6.9	14.2	13.2	16.5	16.5	14.0	14.0	-.06	.95
25	9	89	20	195.	7.8	15.2	14.2	15.1	15.2	13.9	13.9	-.06	.95
25	9	89	21	307.	6.8	14.2	13.2	23.7	44.1	13.1	13.0	-.06	.95
25	9	89	22	298.	3.1	7.4	7.0	14.8	18.3	11.2	11.1	.00	.95
25	9	89	23	301.	4.7	10.4	9.8	12.7	13.1	10.5	10.3	-.03	.95
25	9	89	24	292.	3.2	6.8	6.2	15.3	16.1	9.1	8.8	-.03	.95
26	9	89	1	309.	3.4	6.8	6.4	13.7	17.0	8.5	8.2	.03	.95
26	9	89	2	290.	3.0	6.6	6.0	11.2	13.2	8.3	7.9	.09	.94
26	9	89	3	314.	1.7	3.8	3.4	13.3	18.7	7.9	7.0	.22	.95
26	9	89	4	319.	2.0	3.8	3.6	9.1	11.7	7.2	6.5	.09	.95
26	9	89	5	323.	2.7	4.6	4.4	9.2	12.7	6.7	6.2	.16	.95
26	9	89	6	309.	3.4	5.0	4.6	5.6	9.8	6.8	6.2	.43	.94
26	9	89	7	318.	3.6	5.0	5.0	6.7	8.9	7.0	6.9	.09	.95
26	9	89	8	304.	3.7	5.8	5.4	6.6	7.3	8.0	8.5	-.28	.94
26	9	89	9	321.	3.5	6.2	5.8	8.4	12.2	10.1	10.8	-.59	.86
26	9	89	10	352.	2.9	6.6	6.0	12.2	16.2	12.3	13.5	-.40	.76
26	9	89	11	356.	3.5	8.6	8.6	21.0	25.5	13.6	14.7	-.47	.65
26	9	89	12	335.	4.2	8.2	8.0	13.8	14.5	14.3	15.4	-.34	.59
26	9	89	13	15.	4.6	9.2	8.6	16.0	19.3	14.7	15.9	-.34	.53
26	9	89	14	22.	4.3	8.0	7.8	13.0	15.5	14.8	16.1	-.31	.51
26	9	89	15	32.	3.4	7.4	6.8	16.7	19.2	15.4	16.7	-.47	.50
26	9	89	16	41.	2.6	6.0	5.6	23.1	27.6	15.4	16.7	-.40	.54
26	9	89	17	44.	2.5	5.0	5.0	17.8	18.5	14.8	15.9	-.34	.58
26	9	89	18	110.	2.6	5.2	4.8	12.7	21.1	13.0	12.5	-.06	.74
26	9	89	19	83.	2.5	5.0	4.6	13.9	18.9	11.5	10.5	.19	.91
26	9	89	20	24.	1.3	3.6	3.4	26.0	33.0	11.1	10.3	.12	.91
26	9	89	21	349.	1.1	3.2	2.8	34.4	41.8	10.7	9.6	.25	.96
26	9	89	22	311.	2.2	3.6	3.6	11.7	18.1	8.7	7.8	1.18	.96
26	9	89	23	308.	2.2	5.4	5.2	62.5	78.9	8.1	7.5	1.34	.96
26	9	89	24	322.	2.7	5.2	5.0	4.0	7.6	7.3	6.6	.53	.96
27	9	89	1	315.	1.7	3.0	2.8	7.0	12.6	6.9	5.9	.59	.96
27	9	89	2	315.	2.1	4.6	4.4	12.4	19.4	6.3	5.7	.47	.96
27	9	89	3	304.	2.0	3.8	3.4	9.7	18.9	5.6	5.0	.22	.96
27	9	89	4	308.	2.2	3.8	3.6	4.7	7.8	5.1	4.8	.16	.96
27	9	89	5	297.	1.8	3.0	2.8	3.4	7.0	4.6	4.3	.22	.96
27	9	89	6	311.	1.9	3.0	2.8	7.6	15.1	4.0	3.9	.28	.96
27	9	89	7	276.	1.8	4.8	4.4	44.9	53.8	4.1	4.3	-.12	.96
27	9	89	8	311.	1.9	3.6	3.2	11.0	15.3	4.1	4.4	-.19	.96
27	9	89	9	3.	1.0	3.2	3.0	25.9	34.2	5.1	5.6	-.06	.96
27	9	89	10	347.	.7	2.2	1.8	30.8	35.3	8.6	10.0	-.68	.96
27	9	89	11	94.	.5	2.4	2.2	86.2	115.4	12.3	13.6	-.68	.93
27	9	89	12	6.	1.1	3.2	3.0	31.6	51.2	12.5	13.1	-.43	.89
27	9	89	13	238.	.9	2.4	2.2	58.9	67.5	12.4	13.0	-.16	.95
27	9	89	14	14.	.8	2.6	2.4	51.7	98.5	13.2	13.7	-.16	.92
27	9	89	15	156.	1.3	3.0	2.8	38.0	50.1	13.9	14.7	-.19	.85
27	9	89	16	148.	1.6	3.2	3.0	13.2	14.5	13.9	14.3	-.22	.85
27	9	89	17	131.	1.2	2.4	2.2	11.7	14.4	13.6	13.9	-.12	.95
27	9	89	18	121.	2.0	3.0	2.8	6.0	6.6	12.8	12.6	.00	.96
27	9	89	19	191.	1.9	3.2	3.0	6.9	19.2	12.2	11.6	.28	.96
27	9	89	20	322.	1.3	2.4	2.2	13.3	45.0	12.1	11.2	.37	.96
27	9	89	21	311.	2.7	4.4	4.2	6.6	12.8	11.0	10.5	.40	.96
27	9	89	22	315.	3.1	5.4	5.2	7.6	13.0	10.4	9.5	.16	.96
27	9	89	23	305.	3.3	5.8	5.4	7.0	13.6	9.5	8.9	.12	.96
27	9	89	24	304.	3.7	5.6	5.4	6.3	7.2	8.9	8.7	.16	.96

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
28	9	89	1	302.	2.8	6.0	5.8	8.8	9.1	8.7	8.4	.12	.96
28	9	89	2	302.	3.1	5.0	5.0	6.6	7.2	8.6	8.4	.16	.96
28	9	89	3	308.	2.7	3.8	3.6	4.7	5.6	8.5	8.1	.19	.96
28	9	89	4	309.	3.4	5.2	4.8	6.4	7.0	8.1	7.8	.12	.96
28	9	89	5	299.	3.4	5.2	5.0	5.8	7.0	7.8	7.5	.19	.96
28	9	89	6	305.	3.7	6.0	5.6	7.6	8.3	7.6	7.3	.06	.96
28	9	89	7	294.	3.5	5.4	5.4	8.9	10.0	7.5	7.4	.00	.96
28	9	89	8	312.	3.4	6.4	6.2	9.7	16.1	9.0	9.4	-.37	.89
28	9	89	9	325.	3.3	7.0	6.6	14.0	15.1	10.7	11.3	-.65	.79
28	9	89	10	312.	4.6	8.4	8.0	12.3	13.4	11.8	12.5	-.59	.71
28	9	89	11	311.	4.5	9.4	9.0	13.6	14.1	13.1	13.8	-.62	.62
28	9	89	12	307.	5.0	9.2	8.8	11.8	12.6	13.5	14.0	-.47	.57
28	9	89	13	311.	4.1	7.0	6.6	11.2	11.5	13.8	14.2	-.43	.57
28	9	89	14	318.	3.5	7.0	6.6	13.3	15.2	14.5	15.2	-.43	.55
28	9	89	15	297.	4.5	8.6	8.2	13.2	17.6	14.3	14.8	-.43	.57
28	9	89	16	298.	4.0	9.2	8.0	16.9	17.1	14.1	14.5	-.53	.59
28	9	89	17	273.	3.2	6.8	6.4	14.5	18.4	13.4	13.5	-.37	.62
28	9	89	18	333.	2.1	5.6	5.0	24.9	33.8	11.5	10.9	-.03	.76
28	9	89	19	79.	.9	2.6	2.6	55.8	88.1	10.0	8.2	.19	.96
28	9	89	20	284.	1.6	4.8	4.6	47.3	90.4	10.4	8.9	.19	.94
28	9	89	21	284.	2.4	4.2	4.0	9.1	10.2	10.0	9.5	.12	.90
28	9	89	22	318.	2.0	3.8	3.6	9.2	15.3	9.1	8.4	.19	.96
28	9	89	23	307.	3.2	4.6	4.4	6.0	7.6	8.6	8.0	.34	.96
28	9	89	24	309.	3.5	5.4	5.0	5.1	5.3	8.4	7.9	.43	.96
29	9	89	1	307.	2.8	4.2	4.0	4.9	7.7	7.8	7.4	.37	.96
29	9	89	2	316.	3.0	4.8	4.6	5.8	8.0	8.0	7.5	.25	.96
29	9	89	3	321.	3.2	4.6	4.4	4.0	7.0	7.9	7.4	.47	.96
29	9	89	4	298.	3.0	4.6	4.4	6.9	11.9	8.0	7.5	.47	.96
29	9	89	5	308.	2.7	3.8	3.6	4.4	6.3	7.7	7.2	.31	.96
29	9	89	6	315.	2.7	3.8	3.6	3.1	7.7	7.8	7.2	.50	.96
29	9	89	7	311.	3.0	4.0	3.8	3.1	8.8	7.8	7.3	.40	.96
29	9	89	8	321.	2.1	3.6	3.4	6.9	12.9	8.4	8.8	.16	.96
29	9	89	9	308.	1.9	3.0	2.8	7.4	9.7	9.7	10.3	-.47	.93
29	9	89	10	295.	1.1	2.0	1.8	13.3	15.5	12.1	12.5	-.90	.82
29	9	89	11	112.	.4	2.4	2.2	28.2	114.0	12.3	12.6	-.47	.84
29	9	89	12	166.	1.6	3.6	3.4	17.3	19.8	13.2	14.3	-.28	.81
29	9	89	13	131.	2.2	4.8	4.6	28.0	35.4	13.6	14.4	-.40	.81
29	9	89	14	131.	1.7	3.6	3.4	18.3	20.4	13.5	14.1	-.31	.87
29	9	89	15	294.	2.3	6.0	5.6	43.7	80.1	14.9	15.6	-.62	.76
29	9	89	16	278.	2.3	6.0	5.8	24.3	25.3	16.0	16.5	-.71	.67
29	9	89	17	298.	2.9	7.2	6.2	19.3	20.6	15.4	15.5	-.40	.69
29	9	89	18	301.	2.0	5.6	5.2	34.4	35.8	13.4	13.0	-.03	.83
29	9	89	19	294.	3.3	6.4	6.0	14.5	14.7	12.7	12.4	.06	.84
29	9	89	20	294.	2.4	6.0	5.6	19.7	22.4	12.3	11.7	.12	.88
29	9	89	21	291.	3.2	6.4	6.0	9.7	10.3	12.3	11.8	.16	.86
29	9	89	22	287.	1.1	2.6	2.4	18.8	20.5	11.8	10.7	.19	.91
29	9	89	23	266.	.9	2.8	2.6	19.5	25.5	11.0	9.5	.28	.96
29	9	89	24	307.	1.7	4.8	4.2	31.9	40.1	10.4	8.9	.34	.96
30	9	89	1	307.	2.6	4.4	4.2	8.1	14.7	10.0	8.9	.87	.96
30	9	89	2	297.	2.1	3.8	3.4	6.0	10.3	10.0	8.8	.47	.96
30	9	89	3	1.	1.6	3.2	3.0	10.9	24.8	8.7	7.0	1.06	.96
30	9	89	4	67.	1.7	3.0	2.8	20.9	47.1	8.3	6.6	1.12	.96
30	9	89	5	325.	2.2	4.2	4.2	17.4	43.0	8.3	7.0	1.99	.96
30	9	89	6	321.	3.1	4.4	4.2	5.3	12.9	8.4	7.0	1.37	.96
30	9	89	7	311.	3.5	4.8	4.6	3.7	6.3	8.3	7.7	2.05	.96
30	9	89	8	311.	4.4	5.2	5.0	2.0	3.7	9.4	9.4	2.17	.96
30	9	89	9	139.	2.4	4.4	4.2	40.6	106.7	11.8	11.9	.78	.96
30	9	89	10	58.	.7	2.8	2.4	31.9	45.3	15.0	15.6	-.09	.88
30	9	89	11	62.	2.4	5.6	5.2	25.9	29.5	16.9	18.0	-.71	.62
30	9	89	12	90.	2.4	5.4	5.0	22.6	28.2	17.4	18.6	-.78	.59
30	9	89	13	114.	2.3	5.0	4.6	22.1	26.6	16.8	17.6	-.65	.65
30	9	89	14	174.	3.0	5.4	5.4	17.0	26.8	16.3	17.3	-.34	.67
30	9	89	15	172.	2.9	5.4	5.2	18.0	19.9	15.9	16.7	-.25	.70
30	9	89	16	197.	2.8	6.2	5.6	18.9	29.7	14.8	15.4	-.37	.79
30	9	89	17	193.	2.4	6.2	5.2	11.5	12.0	12.9	12.8	-.16	.95
30	9	89	18	163.	2.2	4.0	3.8	9.3	12.2	11.9	11.4	.12	.96
30	9	89	19	121.	1.5	2.4	2.2	4.4	13.8	11.6	9.6	.40	.96
30	9	89	20	48.	1.4	3.6	3.4	10.0	22.8	11.3	9.0	.53	.96
30	9	89	21	86.	1.2	2.6	2.6	11.8	25.5	10.4	8.4	.50	.96
30	9	89	22	69.	.7	2.0	1.8	11.7	14.3	9.8	7.2	.50	.96
30	9	89	23	84.	.2	2.0	1.6	55.1	95.8	8.7	7.0	.65	.96
30	9	89	24	132.	1.1	2.2	2.0	8.7	13.6	8.9	6.8	.65	.96
MANGLER(ANT)				44	44	44	44	44	44	44	44	44	44
MANGLER(%)				6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
1	10	89	1	150.	.7	2.2	2.0	32.9	37.9	8.3	7.3	.47	.96
1	10	89	2	302.	.6	2.0	1.8	64.2	94.3	7.1	6.1	.78	.96
1	10	89	3	4.	1.5	3.2	3.2	9.5	21.8	6.4	5.7	.50	.96
1	10	89	4	298.	1.1	2.6	2.4	11.6	22.1	6.2	5.5	.87	.96
1	10	89	5	325.	1.6	3.0	2.8	7.7	14.9	5.6	5.0	.50	.96
1	10	89	6	309.	1.2	3.2	3.0	18.1	25.5	5.7	4.5	.56	.96
1	10	89	7	323.	2.7	4.4	4.4	6.0	11.5	5.4	4.9	.50	.93
1	10	89	8	325.	2.9	5.2	4.8	9.4	12.3	5.9	6.4	-.16	.87
1	10	89	9	335.	2.3	4.8	4.6	17.3	23.8	7.6	8.4	-.56	.83
1	10	89	10	302.	1.9	4.0	3.8	13.9	16.6	10.2	11.1	-.90	.80
1	10	89	11	290.	2.4	4.8	4.6	12.9	15.5	13.1	14.0	-.90	.69
1	10	89	12	311.	2.2	4.4	4.2	14.8	16.3	14.9	15.8	-.99	.64
1	10	89	13	314.	1.9	3.8	3.6	17.7	18.8	16.2	17.4	-.93	.57
1	10	89	14	308.	3.1	7.4	7.0	13.3	14.1	17.0	17.9	-.81	.53
1	10	89	15	305.	4.5	7.6	7.4	11.4	11.8	17.2	17.8	-.59	.51
1	10	89	16	308.	5.4	10.6	10.0	12.7	12.8	17.0	17.3	-.37	.52
1	10	89	17	285.	5.7	11.8	11.0	14.5	15.7	15.9	16.0	-.28	.53
1	10	89	18	305.	4.8	10.2	9.8	19.0	20.5	14.6	14.4	-.06	.54
1	10	89	19	312.	5.1	9.4	9.2	13.4	14.6	13.1	12.8	-.03	.58
1	10	89	20	322.	3.9	9.0	8.4	14.6	17.4	11.9	11.5	.03	.59
1	10	89	21	302.	4.6	8.4	7.4	10.1	11.1	11.2	10.9	.03	.60
1	10	89	22	299.	4.8	9.4	8.8	10.8	11.7	11.0	10.7	.06	.60
1	10	89	23	294.	2.8	8.4	7.8	27.4	29.2	10.5	10.1	.03	.63
1	10	89	24	297.	3.5	7.4	6.8	15.8	20.5	10.4	10.0	.12	.63
2	10	89	1	301.	3.4	7.4	6.8	14.3	17.6	10.1	9.7	.09	.61
2	10	89	2	321.	2.5	7.6	7.2	26.0	27.0	9.8	9.0	.25	.61
2	10	89	3	276.	3.8	8.0	7.4	16.6	22.6	10.4	9.9	.06	.51
2	10	89	4	305.	6.3	14.0	12.8	16.7	19.3	10.2	9.9	.03	.51
2	10	89	5	308.	8.1	15.4	14.8	11.1	11.3	11.9	11.6	.06	.50
2	10	89	6	329.	7.2	17.8	15.8	16.1	17.8	12.3	11.9	.00	.52
2	10	89	7	311.	8.3	17.0	16.6	14.1	17.4	12.2	12.0	-.06	.53
2	10	89	8	309.	11.0	19.2	18.2	12.3	12.9	12.5	12.6	-.19	.55
2	10	89	9	315.	13.3	25.4	22.8	11.6	11.8	13.4	13.6	-.25	.55
2	10	89	10	321.	10.7	20.0	19.6	13.4	14.1	14.2	14.5	-.31	.50
2	10	89	11	319.	10.0	18.4	17.6	13.0	13.5	14.4	14.8	-.37	.43
2	10	89	12	330.	8.9	17.8	17.4	13.4	13.8	14.4	14.9	-.34	.44
2	10	89	13	328.	9.9	21.0	19.6	13.0	13.7	14.3	14.8	-.34	.43
2	10	89	14	323.	10.2	20.2	19.0	13.8	14.5	13.7	14.2	-.28	.41
2	10	89	15	325.	9.2	19.2	18.2	14.1	14.3	13.4	13.8	-.25	.42
2	10	89	16	319.	9.2	17.8	16.8	13.2	13.5	13.0	13.3	-.22	.43
2	10	89	17	318.	8.2	16.6	15.2	13.0	13.1	12.6	12.5	-.16	.45
2	10	89	18	326.	7.2	13.6	13.0	12.9	13.3	11.6	11.4	-.03	.46
2	10	89	19	332.	5.8	12.0	11.2	13.5	13.6	11.0	10.6	-.03	.47
2	10	89	20	316.	5.6	11.6	10.8	12.0	12.8	10.3	9.9	-.03	.50
2	10	89	21	318.	5.1	9.4	8.8	11.8	12.1	9.8	9.5	.00	.52
2	10	89	22	333.	5.2	9.8	9.6	11.8	13.6	9.4	9.0	.00	.53
2	10	89	23	343.	4.0	8.0	7.4	10.2	11.8	8.8	8.1	.03	.53
2	10	89	24	321.	3.7	9.0	8.8	10.0	12.1	8.5	7.6	.12	.54
3	10	89	1	339.	4.2	7.0	6.6	9.0	11.9	8.6	8.0	.06	.57
3	10	89	2	322.	3.4	6.6	6.4	9.8	13.6	8.2	7.3	.09	.55
3	10	89	3	308.	2.7	4.4	4.2	8.7	15.1	7.7	7.0	.19	.57
3	10	89	4	312.	3.1	4.8	4.6	8.0	9.7	7.5	6.9	.19	.58
3	10	89	5	301.	2.0	4.6	4.4	5.8	12.3	7.2	6.2	.25	.59
3	10	89	6	311.	2.1	3.0	2.8	5.4	11.3	6.7	5.4	.34	.72
3	10	89	7	290.	2.8	3.8	3.8	2.8	9.3	6.1	5.7	.25	.79
3	10	89	8	330.	2.3	3.6	3.2	5.8	10.9	6.9	7.4	-.16	.70
3	10	89	9	312.	1.5	2.4	2.4	11.0	17.3	8.5	9.6	-.68	.64
3	10	89	10	328.	1.2	2.8	2.6	25.3	28.4	10.5	11.4	-.99	.59
3	10	89	11	326.	.8	2.4	2.2	34.4	35.2	12.6	13.4	-1.15	.52
3	10	89	12	120.	1.9	4.6	4.4	60.6	131.7	13.6	14.5	-.96	.52
3	10	89	13	179.	3.7	7.4	6.6	21.6	26.7	13.6	14.7	-.62	.53
3	10	89	14	179.	4.3	7.6	7.0	14.3	15.2	13.5	14.5	-.40	.55
3	10	89	15	193.	4.5	8.4	8.0	16.3	17.0	13.2	14.1	-.50	.57
3	10	89	16	184.	2.6	6.8	6.4	22.0	22.2	13.0	13.8	-.34	.59
3	10	89	17	139.	2.2	4.2	3.8	12.9	17.8	12.2	12.1	-.06	.63
3	10	89	18	117.	2.2	3.2	3.0	4.0	8.0	10.6	9.4	.40	.77
3	10	89	19	41.	2.2	3.0	3.0	5.4	22.1	9.9	7.3	.62	.91
3	10	89	20	14.	2.1	3.0	2.8	4.2	8.2	9.3	6.8	.47	.89
3	10	89	21	346.	2.0	4.2	4.0	7.8	11.2	8.1	6.6	.47	.89
3	10	89	22	318.	2.7	5.2	4.8	8.8	13.0	7.5	6.2	.34	.85
3	10	89	23	326.	2.7	5.2	5.0	8.4	15.8	6.7	5.5	.53	.89
3	10	89	24	332.	2.3	3.8	3.8	11.2	16.5	5.6	4.6	.56	.95

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
4	10	89	1	329.	3.2	5.2	4.8	5.1	9.5	4.9	4.4	.37	.96
4	10	89	2	316.	3.2	4.6	4.4	5.1	8.6	4.6	4.0	.43	.93
4	10	89	3	335.	3.0	4.6	4.4	6.0	12.6	4.3	3.6	.34	.92
4	10	89	4	330.	3.4	5.2	5.0	6.3	9.7	4.1	3.5	.19	.89
4	10	89	5	319.	2.8	4.6	4.2	6.7	7.4	3.2	2.7	.37	.92
4	10	89	6	312.	2.5	3.4	3.2	3.7	10.8	3.1	2.6	.31	.92
4	10	89	7	311.	2.4	4.2	4.0	5.8	6.4	2.9	2.7	.00	.94
4	10	89	8	319.	2.0	3.4	3.2	7.6	9.4	3.8	4.3	-.28	.90
4	10	89	9	335.	1.6	3.4	3.2	14.7	17.3	5.9	6.8	-.59	.81
4	10	89	10	294.	1.5	2.8	2.6	11.6	15.5	8.9	9.6	-1.12	.70
4	10	89	11	307.	1.3	2.4	2.2	10.6	12.1	11.5	12.4	-1.06	.58
4	10	89	12	125.	1.1	3.2	3.0	46.7	95.9	13.8	15.0	-.96	.56
4	10	89	13	115.	2.8	4.8	4.4	11.8	12.8	12.7	13.6	-.56	.64
4	10	89	14	131.	3.3	5.8	5.4	12.2	14.1	13.2	13.9	-.47	.77
4	10	89	15	127.	2.7	5.2	5.0	12.7	13.3	14.1	14.7	-.40	.78
4	10	89	16	131.	2.9	4.8	4.4	11.0	11.1	13.4	13.7	-.34	.85
4	10	89	17	128.	2.8	4.4	4.2	8.9	9.4	12.5	12.3	-.22	.91
4	10	89	18	128.	3.3	5.0	4.6	8.4	8.9	10.9	10.4	.12	.95
4	10	89	19	128.	3.1	4.4	4.2	5.4	6.7	10.4	9.7	.37	.93
4	10	89	20	131.	2.5	3.4	3.2	4.0	4.9	10.1	8.9	.56	.95
4	10	89	21	120.	1.6	2.6	2.4	7.6	8.7	9.9	8.5	.62	.96
4	10	89	22	330.	.6	2.0	1.8	32.0	64.0	8.9	7.5	.62	.96
4	10	89	23	315.	.7	2.4	2.2	31.2	49.3	7.4	6.7	1.02	.95
4	10	89	24	335.	2.0	2.8	2.6	5.3	9.5	6.7	6.1	.99	.94
5	10	89	1	314.	2.2	3.4	3.2	6.3	14.8	6.2	5.5	1.02	.92
5	10	89	2	333.	2.3	3.8	3.6	8.2	11.4	6.1	6.0	.22	.93
5	10	89	3	336.	2.5	4.6	4.2	8.6	14.7	5.9	6.0	.16	.94
5	10	89	4	332.	2.2	4.8	4.6	9.0	10.5	6.2	6.3	.03	.94
5	10	89	5	346.	1.5	2.8	2.4	13.9	20.9	6.7	6.7	.16	.95
5	10	89	6	20.	.9	2.8	2.4	19.4	26.8	7.1	7.0	.16	.95
5	10	89	7	318.	1.2	2.4	2.2	15.3	20.5	7.0	7.1	.06	.95
5	10	89	8	323.	1.6	3.2	3.0	10.4	22.5	6.9	7.1	.00	.95
5	10	89	9	314.	2.2	4.4	4.4	9.7	11.5	7.3	7.7	-.22	.94
5	10	89	10	290.	1.0	2.8	2.6	16.4	20.3	8.1	8.5	-.34	.92
5	10	89	11	285.	.4	1.6	1.4	31.6	36.2	9.4	9.8	-.40	.89
5	10	89	12	191.	1.0	3.4	3.2	31.2	50.7	10.2	10.7	-.40	.86
5	10	89	13	177.	1.7	3.8	3.6	34.1	36.0	12.6	13.6	-.75	.75
5	10	89	14	142.	2.6	5.6	5.4	22.3	29.8	12.8	13.6	-.37	.76
5	10	89	15	194.	4.3	8.2	7.4	20.4	24.6	12.6	13.2	-.43	.78
5	10	89	16	194.	3.6	8.0	7.8	14.1	14.5	11.9	12.2	-.25	.80
5	10	89	17	180.	2.9	6.4	6.2	14.7	17.0	11.4	11.3	-.09	.83
5	10	89	18	200.	3.4	6.8	6.2	14.5	16.0	10.7	10.4	.03	.92
5	10	89	19	176.	2.8	7.4	7.2	14.7	15.8	10.4	10.1	.00	.96
5	10	89	20	211.	3.2	6.8	6.4	14.1	19.0	10.3	9.9	.09	.96
5	10	89	21	210.	3.4	6.2	6.0	12.7	13.0	10.3	9.9	.12	.96
5	10	89	22	190.	2.6	5.6	5.2	11.2	13.0	9.7	9.2	.22	.96
5	10	89	23	183.	2.8	5.6	5.2	11.5	13.4	9.9	9.6	.12	.96
5	10	89	24	170.	2.7	5.2	5.0	10.3	12.6	10.0	9.7	.06	.95
6	10	89	1	163.	2.2	4.0	3.8	11.3	13.9	10.1	9.8	.03	.96
6	10	89	2	150.	2.5	5.0	4.6	11.4	12.1	10.1	9.9	.03	.96
6	10	89	3	157.	2.4	4.6	4.4	11.8	12.4	10.3	10.3	-.06	.96
6	10	89	4	112.	2.3	5.0	4.4	13.1	21.2	10.3	10.3	-.09	.96
6	10	89	5	124.	2.6	6.4	6.2	11.3	13.3	10.2	10.2	-.03	.96
6	10	89	6	118.	3.7	6.4	5.8	10.4	11.0	10.3	10.2	-.06	.96
6	10	89	7	120.	4.7	10.0	9.4	11.2	12.1	10.4	10.4	-.09	.96
6	10	89	8	124.	5.9	10.0	9.2	11.2	11.4	10.3	10.3	-.12	.96
6	10	89	9	110.	4.8	10.2	9.8	11.8	12.7	10.2	10.2	-.12	.95
6	10	89	10	105.	5.3	8.8	8.2	11.7	12.0	9.6	9.6	-.12	.96
6	10	89	11	98.	5.1	10.2	9.2	12.3	13.0	8.9	8.9	-.12	.96
6	10	89	12	105.	4.9	9.6	9.0	12.0	12.6	8.4	8.5	-.12	.96
6	10	89	13	82.	3.3	8.4	7.8	27.7	40.0	8.5	8.5	-.09	.96
6	10	89	14	67.	4.4	7.8	7.4	12.9	14.8	8.5	8.7	-.12	.96
6	10	89	15	48.	3.5	6.8	6.4	13.2	13.8	8.3	8.5	-.12	.96
6	10	89	16	27.	3.1	5.6	5.4	16.5	18.1	8.3	8.4	-.12	.96
6	10	89	17	51.	4.1	7.8	7.4	14.3	17.2	8.0	8.1	-.09	.96
6	10	89	18	41.	3.5	7.2	6.6	16.2	16.6	8.2	8.2	-.06	.96
6	10	89	19	41.	2.9	5.8	5.6	15.2	16.0	8.2	8.3	-.09	.96
6	10	89	20	24.	1.9	5.4	5.2	20.7	21.9	8.3	8.4	-.09	.96
6	10	89	21	329.	1.0	2.8	2.4	26.6	33.5	8.3	8.4	-.09	.96
6	10	89	22	15.	1.3	2.2	2.2	11.6	20.8	8.3	8.3	-.09	.96
6	10	89	23	34.	1.2	2.4	2.4	10.7	15.7	8.2	8.3	-.09	.96
6	10	89	24	58.	1.3	3.0	2.8	13.6	16.6	8.2	8.3	-.09	.96

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
7	10	89	1	63.	1.7	3.0	2.8	13.0	14.3	8.3	8.4	-.09	.96
7	10	89	2	1.	1.7	4.0	3.8	19.5	28.5	8.2	8.2	-.09	.96
7	10	89	3	352.	.9	2.6	2.4	54.1	68.0	8.3	8.3	-.03	.96
7	10	89	4	69.	2.2	4.4	4.2	12.9	20.5	8.5	8.5	.00	.96
7	10	89	5	53.	2.4	4.6	4.2	16.0	16.9	8.8	8.8	-.06	.96
7	10	89	6	67.	3.4	6.6	6.2	15.9	17.7	8.8	8.8	-.06	.96
7	10	89	7	73.	3.6	6.6	6.2	13.7	13.9	8.9	8.8	-.03	.96
7	10	89	8	51.	3.3	6.8	6.4	17.5	19.0	8.5	8.5	-.09	.95
7	10	89	9	37.	3.4	6.4	6.0	16.2	16.9	8.5	8.7	-.12	.93
7	10	89	10	28.	3.4	7.2	6.8	15.5	15.9	8.9	9.2	-.16	.92
7	10	89	11	21.	2.2	6.0	5.4	18.9	20.9	9.3	9.6	-.16	.91
7	10	89	12	58.	4.3	8.8	8.6	18.3	21.2	8.9	9.0	-.12	.94
7	10	89	13	59.	5.7	12.4	11.6	18.2	18.2	8.9	8.9	-.06	.94
7	10	89	14	39.	4.8	11.8	10.4	20.6	21.0	8.4	8.5	-.12	.94
7	10	89	15	44.	5.7	13.8	12.6	23.4	23.6	7.7	7.7	-.12	.93
7	10	89	16	42.	6.3	15.0	14.2	22.0	22.0	7.0	7.1	-.09	.92
7	10	89	17	38.	6.5	13.8	13.2	22.1	22.2	6.6	6.6	-.09	.90
7	10	89	18	37.	6.9	14.0	13.2	19.7	19.8	6.0	6.0	-.06	.90
7	10	89	19	22.	5.5	12.8	12.0	18.5	19.3	5.6	5.6	-.09	.89
7	10	89	20	8.	4.7	11.6	10.6	23.0	23.6	5.5	5.5	-.09	.88
7	10	89	21	356.	3.2	10.0	9.4	20.8	21.2	5.8	5.7	-.09	.86
7	10	89	22	357.	3.0	7.4	6.8	18.5	20.2	6.1	6.0	-.09	.83
7	10	89	23	27.	4.7	11.2	10.0	14.6	19.8	6.2	6.1	-.06	.82
7	10	89	24	27.	4.4	9.8	9.0	16.6	18.2	6.2	6.1	-.09	.78
8	10	89	1	15.	3.5	9.2	8.2	15.5	17.0	5.7	5.7	-.09	.77
8	10	89	2	22.	2.5	5.2	4.8	17.2	17.7	4.8	4.5	-.09	.79
8	10	89	3	31.	3.3	7.0	6.6	13.7	17.3	4.0	3.7	-.03	.81
8	10	89	4	15.	3.1	7.2	7.2	14.4	16.0	3.5	3.2	-.03	.81
8	10	89	5	6.	2.6	5.6	5.2	13.0	14.2	3.0	2.5	.00	.82
8	10	89	6	360.	2.7	5.0	4.6	8.2	12.3	2.6	1.8	.06	.81
8	10	89	7	15.	2.7	6.0	5.8	10.6	15.7	2.4	2.1	.00	.80
8	10	89	8	21.	2.7	5.6	5.2	13.1	13.8	3.0	3.6	-.19	.74
8	10	89	9	11.	2.2	4.4	4.2	18.7	22.9	4.0	5.2	-.56	.68
8	10	89	10	13.	1.9	4.0	3.8	14.7	16.9	4.9	6.5	-.59	.67
8	10	89	11	7.	1.8	4.6	4.2	28.5	29.8	5.9	7.5	-.53	.66
8	10	89	12	118.	1.6	6.0	5.6	51.9	59.0	7.2	8.4	-.87	.60
8	10	89	13	284.	1.2	5.8	5.2	73.2	89.3	8.0	9.0	-.96	.59
8	10	89	14	143.	1.3	3.6	3.4	59.5	70.2	8.6	9.6	-.62	.55
8	10	89	15	150.	2.1	4.4	4.0	20.1	22.7	7.9	8.6	-.34	.56
8	10	89	16	174.	2.5	4.4	4.2	14.1	15.1	6.6	7.1	-.22	.64
8	10	89	17	167.	2.4	4.6	4.2	11.2	12.8	5.4	5.4	-.12	.72
8	10	89	18	183.	2.6	4.2	4.0	8.2	10.8	5.0	4.5	.00	.77
8	10	89	19	201.	2.2	4.2	4.0	12.7	16.1	4.8	4.3	.03	.81
8	10	89	20	157.	1.2	3.2	2.8	17.0	23.4	4.9	4.2	-.03	.85
8	10	89	21	148.	1.6	3.0	3.0	14.0	15.1	5.0	4.4	.06	.86
8	10	89	22	163.	1.7	4.4	4.0	13.6	16.2	5.5	5.3	.00	.84
8	10	89	23	157.	1.5	3.0	2.8	11.4	17.0	6.1	5.8	-.03	.85
8	10	89	24	239.	.7	1.6	1.6	15.1	32.8	6.1	5.4	.00	.93
9	10	89	1	187.	.5	1.4	1.4	14.7	36.1	5.8	5.3	-.12	.94
9	10	89	2	212.	.9	2.0	1.8	14.2	15.8	5.5	5.0	-.16	.94
9	10	89	3	166.	.2	1.4	1.2	32.6	39.9	5.5	4.9	-.19	.93
9	10	89	4	172.	.4	1.2	1.0	16.6	21.0	5.5	5.0	-.25	.94
9	10	89	5	231.	.0	.6	.4	14.7	21.9	5.6	5.0	-.37	.93
9	10	89	6	1.	1.0	2.0	2.0	12.8	33.4	5.3	5.1	-.22	.94
9	10	89	7	343.	1.4	2.2	2.2	6.1	8.2	5.1	5.1	-.06	.94
9	10	89	8	312.	1.5	3.2	3.0	10.2	11.1	5.2	5.4	-.12	.94
9	10	89	9	344.	1.8	3.4	3.2	9.8	16.8	5.2	5.6	-.16	.93
9	10	89	10	333.	1.5	2.8	2.6	12.7	13.9	5.7	6.2	-.19	.92
9	10	89	11	347.	2.0	4.2	3.8	16.3	18.2	6.6	7.3	-.31	.90
9	10	89	12	3.	1.7	3.4	3.2	18.3	29.3	7.3	8.1	-.28	.88
9	10	89	13	3.	1.5	3.0	2.8	20.3	23.2	8.3	9.6	-.31	.84
9	10	89	14	309.	1.5	3.4	3.4	15.1	22.3	10.1	11.2	-.81	.81
9	10	89	15	42.	1.5	3.6	3.4	22.6	35.2	9.8	10.4	-.34	.85
9	10	89	16	14.	3.3	8.0	7.2	16.4	27.2	9.3	9.6	-.31	.88
9	10	89	17	15.	4.3	8.8	8.0	11.8	12.1	8.3	8.1	-.06	.83
9	10	89	18	353.	3.6	8.4	7.8	10.7	12.2	7.6	7.2	-.09	.82
9	10	89	19	7.	3.6	8.0	7.6	10.6	11.6	7.0	6.5	-.03	.81
9	10	89	20	15.	3.1	6.0	5.8	9.9	13.3	6.7	5.8	.06	.79
9	10	89	21	11.	3.1	6.6	6.4	12.2	12.7	6.7	5.8	.03	.79
9	10	89	22	4.	2.7	5.8	5.0	11.4	12.2	6.3	5.4	.00	.81
9	10	89	23	357.	3.1	6.4	6.0	10.4	10.5	5.9	5.0	.00	.81
9	10	89	24	344.	3.0	5.8	5.6	9.1	12.4	5.5	4.6	.03	.81

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
10	10	89	1	340.	3.3	6.4	6.0	9.6	10.2	5.1	4.4	-.03	.81
10	10	89	2	311.	3.3	6.0	5.8	9.9	14.0	4.9	4.4	-.03	.82
10	10	89	3	326.	3.6	5.8	5.4	7.4	9.5	4.5	3.9	.03	.84
10	10	89	4	307.	3.3	5.0	4.8	6.3	12.3	4.1	3.5	.06	.83
10	10	89	5	323.	2.9	4.6	4.4	6.0	8.1	3.8	2.9	.09	.88
10	10	89	6	325.	3.5	5.4	5.2	6.0	7.7	3.3	2.7	.03	.86
10	10	89	7	308.	3.2	4.6	4.4	6.3	8.3	3.0	2.6	.06	.86
10	10	89	8	329.	2.8	4.2	4.0	6.7	13.1	3.5	3.9	-.34	.84
10	10	89	9	305.	2.5	4.4	4.2	8.4	11.8	4.7	5.4	-.56	.78
10	10	89	10	307.	2.2	3.8	3.6	9.1	9.7	5.9	6.9	-.99	.76
10	10	89	11	302.	1.8	3.0	3.0	10.4	11.0	7.5	8.6	-.96	.68
10	10	89	12	256.	1.6	3.0	2.8	16.8	22.8	9.0	9.8	-1.18	.60
10	10	89	13	277.	.4	2.6	2.4	59.3	61.0	9.5	10.3	-.87	.56
10	10	89	14	177.	.6	2.6	2.6	53.0	85.8	9.0	9.6	-.47	.57
10	10	89	15	187.	2.7	5.4	5.0	12.8	14.7	7.7	7.8	-.19	.66
10	10	89	16	167.	3.3	5.6	5.2	12.1	14.0	6.9	7.0	-.12	.72
10	10	89	17	167.	3.2	6.4	6.0	12.3	13.6	6.9	6.8	-.06	.75
10	10	89	18	191.	4.0	9.2	8.4	17.1	18.5	6.1	6.0	-.12	.82
10	10	89	19	150.	3.8	8.2	7.6	14.4	20.8	4.6	4.5	-.09	.94
10	10	89	20	142.	4.6	9.4	9.0	13.3	13.8	4.7	4.6	-.09	.94
10	10	89	21	84.	4.5	10.0	9.6	12.8	22.8	4.5	4.5	-.12	.95
10	10	89	22	62.	5.1	10.6	9.8	14.9	16.9	3.7	3.6	-.19	.95
10	10	89	23	60.	4.1	9.8	9.6	21.9	22.4	2.1	2.1	-.22	.92
10	10	89	24	29.	4.4	10.4	9.4	19.3	22.8	2.0	2.0	-.12	.92
11	10	89	1	14.	4.7	11.0	10.6	14.1	14.7	2.2	2.2	-.12	.92
11	10	89	2	17.	5.3	14.0	13.6	14.1	14.4	2.7	2.7	-.12	.90
11	10	89	3	15.	5.0	10.2	9.4	13.0	14.1	3.3	3.1	-.09	.87
11	10	89	4	326.	4.1	7.8	7.2	12.1	18.8	3.4	3.0	-.06	.86
11	10	89	5	336.	4.5	8.6	7.6	11.5	13.4	3.2	2.9	-.06	.86
11	10	89	6	332.	4.7	7.2	6.4	7.3	8.8	3.2	2.9	.00	.83
11	10	89	7	328.	4.4	8.4	8.2	8.1	9.2	3.2	2.9	.00	.81
11	10	89	8	326.	3.8	6.0	5.4	8.0	8.7	3.8	4.1	-.16	.77
11	10	89	9	322.	3.4	6.4	6.2	12.5	14.5	4.9	5.6	-.56	.77
11	10	89	10	337.	3.4	7.8	6.8	14.2	14.6	6.0	6.9	-.53	.73
11	10	89	11	344.	4.0	9.2	8.4	16.1	16.9	6.8	7.8	-.37	.62
11	10	89	12	352.	4.4	9.8	8.6	14.0	14.4	7.2	8.2	-.28	.57
11	10	89	13	344.	4.0	8.4	7.6	12.4	14.0	7.6	8.7	-.25	.54
11	10	89	14	329.	3.2	7.4	7.0	16.8	18.8	8.1	9.2	-.31	.53
11	10	89	15	340.	2.5	6.2	5.8	14.6	14.9	8.2	9.3	-.22	.51
11	10	89	16	326.	1.8	4.6	4.4	16.9	22.1	8.2	8.7	-.37	.54
11	10	89	17	295.	.3	2.4	2.2	34.9	38.1	8.4	7.8	-.47	.59
11	10	89	18	278.	.0	.2	.0	11.1	17.6	6.6	5.3	.06	.67
11	10	89	19	356.	.0	1.2	1.2	25.3	69.1	5.6	4.1	.31	.77
11	10	89	20	316.	3.1	5.6	5.4	8.9	13.0	4.2	3.7	.09	.87
11	10	89	21	309.	3.0	4.0	3.8	5.1	10.5	3.2	2.9	.16	.89
11	10	89	22	297.	2.2	3.4	3.2	7.6	14.8	3.2	2.6	.16	.90
11	10	89	23	319.	3.0	4.6	4.6	5.4	9.6	3.2	2.5	.22	.85
11	10	89	24	309.	3.4	4.8	4.6	4.9	6.4	2.8	2.1	.19	.80
12	10	89	1	312.	3.2	4.8	4.6	5.3	8.1	2.1	1.6	.16	.85
12	10	89	2	318.	3.0	4.0	3.8	5.3	7.3	1.9	1.2	.16	.82
12	10	89	3	311.	3.1	4.6	4.4	4.0	8.2	1.4	.9	.16	.86
12	10	89	4	314.	3.2	4.4	4.2	4.9	6.1	1.2	.8	.19	.88
12	10	89	5	309.	3.1	4.4	4.2	4.7	6.3	.8	.4	.09	.90
12	10	89	6	330.	2.5	4.6	4.6	5.8	14.1	.4	.0	.16	.90
12	10	89	7	316.	1.7	3.0	3.0	8.0	11.7	.3	-.4	.16	.93
12	10	89	8	312.	2.1	3.8	3.6	8.4	10.2	.6	.7	-.22	.94
12	10	89	9	292.	1.5	3.6	3.4	13.6	20.0	.8	1.2	-.25	.92
12	10	89	10	307.	.9	1.8	1.6	11.8	13.6	2.0	2.5	-.50	.89
12	10	89	11	121.	.4	1.2	1.0	42.6	100.0	2.2	2.6	-.22	.88
12	10	89	12	148.	.6	2.0	2.0	24.1	30.0	3.0	3.4	-.19	.87
12	10	89	13	135.	1.4	2.8	2.6	15.5	18.6	3.7	3.9	.03	.87
12	10	89	14	169.	1.9	4.0	3.6	15.3	23.2	4.8	5.0	.00	.80
12	10	89	15	163.	1.6	4.0	3.8	20.9	22.8	6.2	6.4	-.06	.79
12	10	89	16	210.	1.2	3.0	3.0	17.9	29.4	6.9	7.0	-.03	.87
12	10	89	17	299.	.8	2.2	2.0	19.1	49.0	7.3	7.0	-.03	.96
12	10	89	18	315.	1.5	5.4	5.2	17.6	21.2	6.5	6.0	.22	.96
12	10	89	19	314.	2.6	6.0	5.6	11.2	17.4	5.6	4.5	.34	.96
12	10	89	20	340.	1.5	3.2	3.0	14.3	25.7	5.5	4.2	.16	.96
12	10	89	21	309.	2.3	3.8	3.6	8.3	12.1	5.0	3.8	.22	.96
12	10	89	22	285.	1.9	5.2	4.6	25.0	27.8	4.9	3.7	.34	.96
12	10	89	23	273.	2.5	6.0	5.0	25.5	27.8	5.1	4.5	.25	.93
12	10	89	24	270.	1.7	5.6	5.2	30.9	32.9	4.9	4.1	.22	.92

	DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
13 10 89 1	312.	1.8	4.8	4.6	26.7	35.0	3.9	3.1	.53	.92
13 10 89 2	267.	1.7	5.6	5.4	43.4	76.4	3.9	2.6	.34	.93
13 10 89 3	277.	3.4	7.0	6.8	14.7	15.1	4.1	3.8	.28	.88
13 10 89 4	319.	3.0	6.8	6.4	13.6	17.1	4.6	4.0	.25	.87
13 10 89 5	314.	2.1	4.8	4.4	22.6	24.5	4.9	3.4	.25	.90
13 10 89 6	287.	1.7	4.0	3.6	20.8	27.3	4.7	3.4	.47	.90
13 10 89 7	262.	1.7	2.8	2.6	6.7	16.3	3.7	2.5	.56	.93
13 10 89 8	314.	.7	2.2	2.0	36.9	50.1	4.7	4.2	.12	.92
13 10 89 9	280.	2.1	3.8	3.8	16.9	18.3	4.1	4.2	-.09	.90
13 10 89 10	278.	1.5	3.4	3.2	17.3	21.7	5.6	6.4	-.96	.88
13 10 89 11	252.	1.5	4.2	3.8	24.0	27.0	9.1	9.8	-1.40	.77
13 10 89 12	242.	2.4	5.4	5.2	18.5	19.4	10.9	11.6	-1.24	.69
13 10 89 13	246.	3.2	7.2	6.6	21.2	23.3	12.4	13.1	-.99	.61
13 10 89 14	271.	4.5	9.8	9.2	17.4	18.5	12.5	12.9	-.75	.57
13 10 89 15	276.	4.7	11.0	10.2	19.9	20.8	12.5	12.8	-.65	.56
13 10 89 16	259.	3.9	10.6	9.4	21.4	25.1	12.2	12.4	-.56	.57
13 10 89 17	243.	3.5	10.0	9.6	21.6	24.2	10.7	10.4	-.25	.60
13 10 89 18	238.	2.7	5.8	5.4	17.7	18.2	9.1	8.6	-.06	.68
13 10 89 19	179.	1.9	7.2	6.8	45.4	51.0	8.1	7.5	-.12	.74
13 10 89 20	224.	1.5	4.8	4.6	44.5	55.0	7.3	6.2	-.03	.81
13 10 89 21	263.	3.1	7.4	7.2	21.2	23.9	6.6	6.3	.00	.82
13 10 89 22	222.	1.9	5.4	5.0	28.8	31.4	6.2	5.7	-.03	.84
13 10 89 23	224.	1.3	5.6	5.2	37.4	41.9	5.6	4.4	.00	.88
13 10 89 24	218.	3.0	5.8	5.4	10.5	13.4	5.5	4.5	.25	.87
14 10 89 1	226.	2.6	5.4	4.8	10.7	11.5	5.4	4.7	.12	.85
14 10 89 2	263.	2.5	5.6	5.4	19.4	22.7	5.1	4.4	.12	.88
14 10 89 3	215.	1.0	3.0	2.8	42.1	45.5	4.9	3.5	.00	.92
14 10 89 4	288.	.7	2.2	2.0	30.4	37.3	4.7	3.1	-.09	.93
14 10 89 5	308.	1.3	3.0	2.8	16.0	26.8	4.5	3.3	-.06	.92
14 10 89 6	290.	1.6	2.4	2.2	5.4	12.7	3.4	2.7	.03	.94
14 10 89 7	304.	2.4	3.4	3.2	3.4	5.4	2.8	2.2	.22	.93
14 10 89 8	311.	2.5	3.6	3.4	4.4	7.2	2.6	2.6	.09	.93
14 10 89 9	329.	1.8	3.0	2.8	12.3	20.3	4.3	5.1	-.53	.87
14 10 89 10	342.	1.6	3.8	3.6	20.0	26.8	6.0	7.1	-.87	.82
14 10 89 11	329.	1.1	2.6	2.4	19.6	22.6	8.1	9.7	-.81	.75
14 10 89 12	309.	1.3	2.2	2.2	14.9	15.8	10.0	11.3	-.87	.69
14 10 89 13	308.	1.3	2.6	2.4	15.3	16.8	11.2	12.4	-1.02	.62
14 10 89 14	311.	1.0	2.8	2.4	27.8	28.8	12.3	13.6	-1.18	.57
14 10 89 15	153.	.7	2.0	1.8	42.3	89.9	12.7	14.1	-.68	.53
14 10 89 16	174.	1.0	2.4	2.2	30.6	35.1	11.9	12.7	-.43	.64
14 10 89 17	120.	1.5	2.4	2.2	12.7	26.2	10.1	9.8	-.16	.74
14 10 89 18	162.	1.1	2.2	2.0	14.1	21.2	8.8	7.0	.31	.90
14 10 89 19	4.	1.6	4.6	4.4	33.4	63.9	7.7	6.4	.28	.91
14 10 89 20	34.	4.2	7.8	7.4	13.1	14.2	7.2	7.1	-.06	.79
14 10 89 21	359.	3.0	7.8	7.2	14.4	20.9	6.6	6.5	-.06	.82
14 10 89 22	350.	2.4	4.8	4.2	12.2	17.0	6.1	5.7	-.06	.85
14 10 89 23	344.	2.7	5.2	4.8	10.8	11.6	5.4	4.7	.03	.85
14 10 89 24	335.	2.8	5.6	5.4	7.0	10.7	5.3	4.1	.12	.83
15 10 89 1	307.	3.0	4.8	4.6	6.3	14.0	4.6	3.7	.19	.86
15 10 89 2	312.	3.2	5.2	5.0	6.4	8.1	4.4	3.9	.12	.81
15 10 89 3	301.	4.0	7.0	6.6	6.1	7.0	3.9	3.6	.06	.79
15 10 89 4	311.	3.0	5.0	4.8	6.6	7.8	3.2	2.8	.12	.83
15 10 89 5	309.	3.5	5.0	4.8	5.4	6.1	3.0	2.7	.19	.80
15 10 89 6	299.	2.8	4.4	4.2	4.9	6.7	2.5	2.1	.22	.87
15 10 89 7	302.	2.7	4.0	3.8	5.4	8.3	2.2	1.7	.12	.88
15 10 89 8	301.	3.1	4.4	4.0	2.8	4.7	2.8	2.9	.19	.83
15 10 89 9	305.	2.7	3.4	3.4	3.4	5.8	4.0	4.7	-.34	.74
15 10 89 10	302.	2.2	3.4	3.2	8.4	8.9	6.1	7.0	-1.06	.66
15 10 89 11	322.	1.8	4.0	3.8	12.2	14.9	8.1	9.0	-1.02	.60
15 10 89 12	314.	3.3	6.4	6.4	11.6	12.3	9.1	9.9	-.68	.54
15 10 89 13	309.	2.8	5.8	5.2	10.8	11.2	10.0	11.0	-.78	.50
15 10 89 14	314.	2.3	4.6	4.4	14.4	16.0	10.8	11.7	-.84	.46
15 10 89 15	235.	1.5	4.0	3.6	23.5	35.7	11.6	12.5	-.96	.45
15 10 89 16	201.	2.1	5.2	5.0	16.3	19.4	10.9	11.4	-.65	.44
15 10 89 17	188.	2.5	4.8	4.6	11.2	12.1	8.7	8.3	-.06	.61
15 10 89 18	322.	1.7	3.4	3.2	11.9	47.1	7.7	6.8	.19	.70
15 10 89 19	295.	2.9	5.4	5.0	9.1	13.7	7.1	6.4	.22	.67
15 10 89 20	302.	2.2	4.6	4.4	7.3	8.1	6.2	5.4	.19	.69
15 10 89 21	311.	1.8	2.8	2.6	8.2	10.2	5.3	4.4	.19	.78
15 10 89 22	295.	2.0	3.2	3.0	7.4	18.1	4.6	3.6	.43	.83
15 10 89 23	302.	2.5	4.2	4.2	4.4	8.0	4.2	4.0	.25	.84
15 10 89 24	311.	.7	2.6	2.4	41.4	63.7	4.4	3.7	.34	.80

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
16	10	89	1	125.	.6	2.0	2.0	28.4	64.7	4.3	3.6	.09	.83
16	10	89	2	207.	2.7	6.4	6.0	22.8	30.9	4.7	4.4	.22	.81
16	10	89	3	210.	1.9	5.0	4.8	14.1	15.0	3.7	3.7	-.09	.90
16	10	89	4	75.	.9	2.2	2.0	43.4	67.3	3.2	3.2	.06	.92
16	10	89	5	87.	1.5	2.4	2.2	13.3	22.2	3.2	3.2	.06	.92
16	10	89	6	360.	1.3	2.4	2.2	11.5	32.0	3.2	3.3	-.03	.92
16	10	89	7	359.	2.4	5.6	5.2	7.2	8.9	2.9	3.1	-.09	.91
16	10	89	8	328.	3.4	6.0	5.2	8.4	13.3	3.1	3.2	-.06	.91
16	10	89	9	339.	2.7	5.0	4.8	9.4	10.5	3.5	3.7	-.09	.92
16	10	89	10	330.	2.6	5.2	5.0	10.3	11.7	3.8	4.1	-.12	.92
16	10	89	11	339.	1.8	4.2	3.8	11.4	14.3	4.3	4.6	-.16	.93
16	10	89	12	360.	1.8	3.0	2.8	11.3	18.9	4.8	5.2	-.22	.93
16	10	89	13	359.	1.1	2.4	2.4	13.4	15.4	4.9	5.3	-.16	.92
16	10	89	14	322.	.9	2.8	2.8	19.0	28.1	5.0	5.3	-.16	.92
16	10	89	15	325.	1.2	2.6	2.6	12.7	18.7	5.0	5.3	-.16	.92
16	10	89	16	350.	.8	2.0	1.8	15.6	19.8	5.1	5.3	-.19	.93
16	10	89	17	316.	.3	1.8	1.6	27.7	33.1	5.2	5.3	-.12	.92
16	10	89	18	335.	.5	1.6	1.4	49.8	71.5	5.1	5.2	-.06	.92
16	10	89	19	14.	.6	1.4	1.2	14.6	22.4	5.1	5.2	-.06	.93
16	10	89	20	329.	1.0	2.4	2.2	17.9	22.8	5.1	5.2	-.03	.92
16	10	89	21	297.	1.3	2.4	2.2	9.6	15.0	5.3	5.3	-.03	.92
16	10	89	22	294.	1.4	3.0	2.8	11.4	15.1	5.3	5.3	-.06	.92
16	10	89	23	312.	1.7	3.0	2.8	8.8	12.6	5.1	4.9	-.03	.92
16	10	89	24	301.	2.4	4.2	4.0	13.3	17.1	4.9	4.9	-.06	.92
17	10	89	1	308.	2.0	4.2	4.0	14.5	16.3	4.4	4.6	-.16	.92
17	10	89	2	295.	1.1	2.6	2.4	21.8	24.8	3.9	4.1	-.12	.91
17	10	89	3	342.	1.5	2.8	2.6	13.7	19.2	3.7	3.8	-.12	.91
17	10	89	4	319.	1.5	3.6	3.4	17.5	19.4	3.4	3.5	-.12	.90
17	10	89	5	319.	1.4	2.6	2.6	11.7	14.7	3.3	3.4	-.12	.90
17	10	89	6	323.	1.7	3.2	3.0	13.1	16.9	3.1	3.3	-.12	.90
17	10	89	7	326.	1.7	3.6	3.4	11.7	14.3	3.1	3.3	-.09	.90
17	10	89	8	305.	1.5	2.8	2.6	11.9	14.6	3.4	3.7	-.12	.90
17	10	89	9	302.	1.1	3.4	3.0	14.3	20.8	3.9	4.2	-.12	.91
17	10	89	10	349.	.8	2.8	2.8	45.2	86.4	4.7	5.1	-.16	.92
17	10	89	11	329.	1.0	2.6	2.4	29.7	43.9	5.7	6.2	-.25	.93
17	10	89	12	318.	.9	2.2	2.0	57.9	89.6	6.1	6.5	-.09	.92
17	10	89	13	356.	.7	3.0	2.8	42.9	50.2	6.6	7.2	-.16	.91
17	10	89	14	232.	.7	1.8	1.6	41.9	59.9	7.5	8.1	-.16	.91
17	10	89	15	18.	.8	2.2	2.0	30.5	65.6	7.9	8.4	-.19	.92
17	10	89	16	336.	1.2	2.6	2.4	16.5	25.0	8.2	8.5	-.12	.92
17	10	89	17	319.	1.8	3.2	3.2	12.9	19.3	7.8	7.6	.09	.92
17	10	89	18	298.	2.9	4.2	4.0	5.6	10.7	7.4	6.7	.40	.94
17	10	89	19	297.	3.0	4.2	4.0	4.2	10.5	6.8	6.4	.59	.94
17	10	89	20	337.	2.6	4.0	4.0	10.9	29.8	6.2	5.6	.87	.94
17	10	89	21	308.	2.2	3.2	3.0	5.1	15.8	6.8	5.6	.96	.93
17	10	89	22	328.	2.7	4.4	4.2	10.3	15.3	5.8	5.6	1.65	.93
17	10	89	23	297.	3.5	5.2	5.0	4.7	17.7	6.0	5.5	1.52	.93
17	10	89	24	307.	3.6	4.6	4.6	2.4	10.9	5.8	5.7	.65	.94
18	10	89	1	339.	2.8	4.8	4.8	11.8	17.8	6.2	5.9	.50	.94
18	10	89	2	280.	2.1	4.0	3.8	10.2	27.6	6.1	5.9	.12	.93
18	10	89	3	314.	2.9	4.6	4.4	9.0	15.8	6.0	6.0	.06	.93
18	10	89	4	353.	2.5	4.0	3.8	8.0	16.3	6.2	6.1	.19	.92
18	10	89	5	328.	2.0	4.8	4.4	13.0	19.3	6.3	6.2	.12	.91
18	10	89	6	249.	1.3	4.2	4.0	45.6	74.3	6.1	6.1	.00	.92
18	10	89	7	319.	1.4	3.2	3.2	21.4	38.3	6.5	6.2	.40	.93
18	10	89	8	322.	2.7	5.4	5.0	9.6	12.5	6.9	6.8	.12	.88
18	10	89	9	321.	2.0	4.0	3.8	11.4	12.7	7.0	7.2	-.12	.88
18	10	89	10	322.	2.6	4.4	4.2	8.3	10.7	7.3	7.6	-.12	.89
18	10	89	11	316.	2.2	3.8	3.4	8.8	9.7	7.9	8.3	-.22	.87
18	10	89	12	330.	1.2	2.6	2.4	13.9	18.4	8.8	9.2	-.31	.85
18	10	89	13	314.	1.3	3.2	3.0	14.4	21.2	9.6	10.2	-.19	.84
18	10	89	14	330.	1.0	2.2	2.0	15.0	18.3	10.1	10.6	-.28	.86
18	10	89	15	114.	.2	1.4	1.2	38.5	73.8	10.3	10.6	-.16	.88
18	10	89	16	112.	.3	1.6	1.4	50.7	101.7	10.4	10.6	-.22	.89
18	10	89	17	131.	.0	.4	.4	43.5	100.3	10.0	9.9	.00	.95
18	10	89	18	280.	.1	1.2	1.0	30.5	74.5	9.5	8.7	.09	.96
18	10	89	19	121.	.1	.8	.8	54.1	75.9	9.5	8.8	.19	.96
18	10	89	20	129.	.8	1.4	1.4	4.4	12.9	9.3	8.8	.09	.95
18	10	89	21	149.	.3	1.0	.8	10.1	17.6	9.2	8.8	.19	.94
18	10	89	22	103.	.3	1.4	1.2	24.2	43.0	8.6	8.5	-.09	.96
18	10	89	23	93.	1.0	1.4	1.4	5.3	8.1	8.3	8.4	.00	.96
18	10	89	24	128.	.8	1.6	1.4	7.3	12.7	8.4	8.4	-.06	.96

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
19	10	89	1	336.	.8	1.8	1.6	49.0	65.8	8.4	8.5	-.03	.96
19	10	89	2	346.	.3	1.2	1.0	73.3	104.8	8.5	8.5	.00	.96
19	10	89	3	73.	.2	1.4	1.2	33.9	60.0	8.4	8.5	-.03	.96
19	10	89	4	142.	.6	1.6	1.4	18.9	38.4	8.5	8.5	.09	.96
19	10	89	5	153.	1.0	2.4	2.2	13.8	17.3	8.7	8.7	.03	.96
19	10	89	6	183.	1.7	3.8	3.6	12.3	18.9	9.0	9.0	.00	.96
19	10	89	7	197.	2.0	4.0	3.8	13.0	13.6	9.2	9.2	-.06	.96
19	10	89	8	204.	2.3	4.0	3.8	11.0	11.7	9.3	9.3	-.06	.96
19	10	89	9	200.	3.2	5.0	4.6	9.4	10.6	9.6	9.7	-.16	.96
19	10	89	10	176.	2.2	4.8	4.4	11.4	16.2	9.7	9.9	-.16	.96
19	10	89	11	179.	2.4	5.0	4.6	12.3	12.9	9.7	9.7	-.09	.96
19	10	89	12	177.	3.6	6.2	5.8	12.9	13.5	9.7	9.8	-.12	.96
19	10	89	13	166.	3.1	5.6	5.4	13.5	15.1	9.6	9.7	-.09	.96
19	10	89	14	176.	2.8	5.6	5.0	14.9	16.1	9.7	9.8	-.09	.96
19	10	89	15	160.	2.9	5.6	5.4	13.7	14.8	9.7	9.8	-.09	.96
19	10	89	16	153.	3.2	6.0	5.6	13.6	13.8	9.6	9.7	-.09	.96
19	10	89	17	156.	1.9	4.2	4.0	15.6	16.6	9.7	9.8	-.09	.96
19	10	89	18	146.	.9	2.4	2.2	18.4	20.9	9.9	10.0	-.06	.96
19	10	89	19	181.	1.4	4.0	3.8	16.7	34.3	9.9	10.0	-.06	.96
19	10	89	20	228.	1.5	4.4	4.2	18.0	23.6	9.9	10.0	-.09	.96
19	10	89	21	191.	1.5	3.8	3.6	16.2	22.6	9.8	9.8	-.06	.96
19	10	89	22	250.	1.5	4.6	4.0	57.2	103.7	9.7	9.6	.03	.96
19	10	89	23	194.	1.7	4.4	4.2	21.9	29.4	9.7	9.3	.09	.96
19	10	89	24	180.	2.4	5.6	5.2	18.3	19.5	9.6	9.5	-.03	.96
20	10	89	1	200.	1.6	3.0	2.8	12.7	18.4	10.1	9.9	.03	.96
20	10	89	2	122.	1.3	2.6	2.4	12.8	23.6	10.0	9.9	.03	.96
20	10	89	3	166.	2.3	5.6	5.4	11.2	25.8	10.2	10.1	.00	.96
20	10	89	4	172.	3.1	6.0	5.6	15.6	18.3	10.7	10.7	-.06	.96
20	10	89	5	150.	3.3	6.8	6.4	14.7	16.2	10.6	10.6	-.06	.96
20	10	89	6	159.	3.4	7.4	6.8	14.9	17.1	10.6	10.6	-.06	.96
20	10	89	7	145.	4.4	9.6	9.0	15.5	16.3	10.5	10.6	-.06	.96
20	10	89	8	153.	4.4	9.2	8.2	14.6	14.7	10.5	10.6	-.06	.96
20	10	89	9	152.	4.7	8.4	8.0	14.1	14.3	10.5	10.5	-.09	.96
20	10	89	10	142.	4.5	8.4	7.6	13.0	14.5	10.4	10.5	-.09	.96
20	10	89	11	146.	5.2	9.2	8.8	13.3	13.8	10.4	10.5	-.06	.96
20	10	89	12	132.	5.3	10.4	9.8	14.0	14.8	10.4	10.5	-.06	.96
20	10	89	13	136.	5.3	10.8	10.2	12.4	12.5	10.4	10.5	-.06	.96
20	10	89	14	135.	6.8	12.8	11.8	12.7	13.0	10.3	10.4	-.06	.96
20	10	89	15	134.	7.1	13.2	12.2	12.0	12.3	10.2	10.3	-.06	.96
20	10	89	16	138.	7.4	13.6	13.2	12.7	12.9	10.1	10.2	-.09	.96
20	10	89	17	139.	7.2	13.2	12.6	14.3	14.4	10.3	10.4	-.06	.96
20	10	89	18	148.	7.2	13.0	11.8	13.3	13.4	10.6	10.7	-.09	.96
20	10	89	19	165.	7.1	13.2	12.6	14.9	17.0	10.9	10.9	-.09	.96
20	10	89	20	180.	6.5	14.0	12.0	14.7	16.6	11.1	11.1	-.09	.96
20	10	89	21	187.	5.6	11.0	10.4	13.4	13.6	11.1	11.0	-.06	.96
20	10	89	22	184.	4.5	8.8	8.4	14.6	14.9	11.0	10.9	-.06	.96
20	10	89	23	186.	4.9	9.8	9.2	13.0	13.5	10.5	10.3	-.03	.96
20	10	89	24	194.	4.3	8.2	7.8	12.7	14.1	9.9	9.7	-.03	.96
21	10	89	1	211.	4.9	9.4	8.8	11.9	12.8	9.5	9.2	-.03	.95
21	10	89	2	218.	4.3	9.4	9.0	15.2	15.4	9.2	9.0	-.06	.91
21	10	89	3	211.	5.2	10.0	9.4	11.9	12.2	8.5	8.2	.00	.90
21	10	89	4	180.	4.1	8.2	7.8	12.2	15.3	7.9	7.5	.03	.90
21	10	89	5	146.	1.7	4.2	3.8	18.7	21.3	7.4	7.0	.12	.93
21	10	89	6	136.	2.3	4.0	3.8	13.2	17.0	7.6	7.2	.25	.94
21	10	89	7	160.	4.2	10.2	9.6	13.2	16.5	9.0	8.8	.16	.95
21	10	89	8	149.	5.5	10.6	10.2	13.9	14.5	9.8	9.7	-.09	.95
21	10	89	9	155.	7.9	14.4	13.6	14.7	16.0	9.4	9.5	-.09	.96
21	10	89	10	141.	8.6	18.2	16.8	14.6	14.9	9.4	9.5	-.09	.96
21	10	89	11	153.	8.9	16.0	15.6	13.8	14.3	9.5	9.6	-.09	.96
21	10	89	12	195.	7.0	14.0	13.2	15.3	19.8	10.9	11.0	-.06	.96
21	10	89	13	218.	5.3	11.0	10.4	14.3	15.7	12.4	12.4	-.06	.96
21	10	89	14	215.	4.2	8.6	7.8	15.1	16.1	13.9	14.4	-.37	.94
21	10	89	15	218.	7.0	13.2	12.2	13.3	13.8	13.2	13.2	-.09	.86
21	10	89	16	233.	6.2	11.4	10.8	13.6	15.0	12.2	12.1	-.06	.78
21	10	89	17	212.	4.9	8.8	8.4	12.3	13.7	11.3	11.2	-.03	.80
21	10	89	18	225.	5.5	10.4	10.0	12.3	12.7	10.8	10.6	-.03	.84
21	10	89	19	238.	4.1	9.8	9.2	17.8	19.2	10.2	10.0	-.03	.85
21	10	89	20	232.	4.1	9.0	8.6	15.9	16.2	9.7	9.5	.03	.82
21	10	89	21	219.	4.0	8.2	8.0	14.3	15.0	9.3	9.0	.00	.79
21	10	89	22	239.	3.7	6.8	6.4	13.3	17.0	8.6	8.1	.06	.83
21	10	89	23	226.	3.8	8.4	7.4	13.3	14.7	8.4	8.1	.06	.82
21	10	89	24	217.	3.4	7.2	6.8	15.2	16.8	8.2	7.7	.12	.85

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
22	10	89	1	208.	4.2	8.4	7.8	15.0	15.9	8.3	7.9	.06	.84
22	10	89	2	200.	3.6	7.8	7.0	13.0	13.6	8.1	7.5	.12	.84
22	10	89	3	211.	3.0	6.6	6.0	13.4	14.5	8.0	7.3	.22	.86
22	10	89	4	204.	3.8	7.0	6.6	9.8	12.1	8.3	7.5	.25	.85
22	10	89	5	200.	3.0	6.2	5.6	11.2	11.6	8.1	7.0	.40	.88
22	10	89	6	207.	3.7	7.4	6.6	10.5	11.1	8.2	7.1	.34	.87
22	10	89	7	219.	3.8	8.0	7.6	12.7	13.4	8.6	7.8	.22	.86
22	10	89	8	193.	3.4	6.2	6.0	13.4	15.3	8.9	8.4	.03	.88
22	10	89	9	225.	3.5	9.0	8.8	18.3	23.4	10.3	10.6	-.50	.86
22	10	89	10	228.	4.5	10.6	10.4	18.9	19.0	11.8	12.2	-.62	.83
22	10	89	11	257.	3.8	9.0	8.2	22.8	23.9	13.6	14.1	-.71	.76
22	10	89	12	240.	4.7	12.8	12.0	21.6	28.3	14.8	15.5	-.90	.69
22	10	89	13	246.	6.2	14.2	12.6	18.7	19.4	14.6	14.9	-.56	.66
22	10	89	14	239.	6.9	13.4	13.0	16.1	16.5	14.0	14.1	-.28	.63
22	10	89	15	221.	4.3	9.4	9.0	14.1	15.3	13.8	13.8	-.19	.66
22	10	89	16	212.	4.7	8.8	8.6	12.7	13.6	13.1	13.0	-.09	.69
22	10	89	17	183.	3.7	8.8	8.2	13.3	17.2	12.5	12.2	-.03	.72
22	10	89	18	190.	4.4	7.8	7.4	11.9	12.1	11.7	11.5	-.06	.88
22	10	89	19	188.	3.7	7.2	6.8	12.3	12.6	11.4	11.3	-.06	.96
22	10	89	20	201.	3.9	7.4	6.8	11.8	12.3	11.3	11.2	-.06	.96
22	10	89	21	207.	2.9	6.4	6.0	13.1	13.8	10.9	10.8	-.06	.96
22	10	89	22	212.	1.4	2.4	2.2	11.3	15.5	9.9	9.7	-.06	.96
22	10	89	23	229.	1.2	3.4	3.2	13.0	21.9	9.4	9.2	-.06	.96
22	10	89	24	249.	1.0	2.2	2.0	14.6	16.8	8.9	8.9	-.06	.96
23	10	89	1	292.	1.3	2.6	2.4	12.0	17.0	8.7	8.5	.03	.96
23	10	89	2	235.	1.2	3.4	3.0	25.8	28.8	8.2	7.8	.09	.96
23	10	89	3	259.	2.0	5.0	4.8	19.7	20.3	7.6	7.1	.25	.96
23	10	89	4	152.	1.9	5.8	5.6	26.0	42.8	7.5	6.7	.12	.92
23	10	89	5	208.	3.2	7.8	7.4	18.3	20.7	7.3	6.4	.34	.91
23	10	89	6	198.	3.9	7.0	6.6	9.6	10.9	7.6	6.9	.25	.91
23	10	89	7	197.	3.4	6.2	6.0	10.5	10.7	7.4	6.7	.22	.93
23	10	89	8	194.	3.2	6.4	5.8	13.3	13.7	7.6	7.3	.03	.93
23	10	89	9	200.	4.1	7.8	7.4	12.3	12.8	8.7	9.0	-.25	.90
23	10	89	10	200.	4.4	8.2	7.6	13.8	14.5	10.0	10.6	-.47	.87
23	10	89	11	221.	4.8	9.0	8.6	12.4	13.9	11.7	12.6	-.71	.81
23	10	89	12	238.	4.5	9.8	9.4	15.9	16.4	13.5	14.2	-.78	.72
23	10	89	13	232.	4.6	9.8	9.4	19.0	19.7	14.7	15.3	-.75	.59
23	10	89	14	236.	6.2	14.8	14.2	15.8	16.0	14.3	14.6	-.50	.59
23	10	89	15	240.	5.8	13.6	12.8	16.9	17.2	13.8	14.1	-.43	.61
23	10	89	16	233.	3.8	9.4	8.8	16.6	17.0	13.4	13.5	-.31	.65
23	10	89	17	233.	4.1	9.6	9.0	18.1	18.6	12.1	11.9	-.06	.69
23	10	89	18	205.	3.8	8.2	7.4	13.6	16.3	11.3	11.0	-.03	.75
23	10	89	19	218.	3.7	8.8	8.6	15.1	18.3	10.4	10.3	-.06	.83
23	10	89	20	52.	1.7	6.0	5.6	48.1	65.0	9.4	9.1	-.03	.93
23	10	89	21	174.	1.1	3.2	3.0	75.0	118.1	8.9	8.5	.00	.95
23	10	89	22	214.	1.5	4.8	4.6	45.5	47.0	8.5	8.2	.03	.96
23	10	89	23	191.	2.7	6.0	5.8	37.1	37.9	8.2	7.8	.03	.90
23	10	89	24	183.	1.4	3.6	3.4	42.4	82.4	7.8	7.0	.16	.91
24	10	89	1	195.	1.9	3.6	3.4	13.0	23.1	7.5	6.7	.16	.91
24	10	89	2	292.	2.2	5.2	4.8	34.9	47.1	7.4	6.6	.16	.90
24	10	89	3	257.	.9	3.4	3.0	63.1	68.8	7.2	6.4	.06	.90
24	10	89	4	233.	1.0	3.4	3.0	41.6	52.0	6.9	6.0	.03	.89
24	10	89	5	277.	1.1	4.4	4.0	39.4	48.8	6.5	5.7	.09	.88
24	10	89	6	321.	1.2	3.4	3.2	54.5	77.8	6.3	5.5	.06	.88
24	10	89	7	208.	.8	3.0	2.8	63.3	66.4	6.1	5.2	.09	.88
24	10	89	8	202.	1.0	4.2	3.6	56.5	82.9	6.5	5.8	.09	.87
24	10	89	9	228.	1.6	6.2	6.0	44.9	55.8	7.4	7.0	-.22	.86
24	10	89	10	267.	3.6	8.4	8.0	20.4	25.5	8.8	9.2	-.75	.77
24	10	89	11	245.	3.5	8.2	7.8	22.9	23.6	10.3	10.7	-.84	.67
24	10	89	12	239.	4.1	11.8	10.6	21.7	22.2	11.5	12.1	-.84	.58
24	10	89	13	262.	4.9	10.6	9.2	18.6	20.0	12.1	12.5	-.75	.54
24	10	89	14	232.	5.4	10.8	10.6	19.6	21.7	11.4	11.5	-.40	.55
24	10	89	15	225.	6.2	12.0	11.0	12.5	13.3	10.4	10.5	-.22	.61
24	10	89	16	217.	5.5	11.6	11.2	14.3	14.9	9.7	9.6	-.12	.68
24	10	89	17	222.	4.9	9.6	8.6	13.0	13.8	9.1	9.0	-.09	.74
24	10	89	18	236.	2.7	8.0	7.8	21.7	24.0	8.8	8.6	.00	.77
24	10	89	19	214.	3.8	9.4	9.0	13.9	14.8	8.7	8.5	-.03	.74
24	10	89	20	222.	5.3	10.6	9.8	11.8	12.7	8.6	8.4	-.03	.74
24	10	89	21	193.	4.6	9.2	8.8	12.0	14.1	8.2	8.1	-.09	.77
24	10	89	22	163.	3.9	8.6	7.8	13.8	17.3	7.9	7.8	-.06	.81
24	10	89	23	166.	3.8	8.4	8.0	15.5	18.4	8.0	8.1	-.09	.86
24	10	89	24	210.	3.6	7.2	6.8	15.5	20.9	8.7	8.7	-.06	.92

	DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
25 10 89 1	214.	3.8	8.2	7.6	13.7	14.6	9.2	9.1	-.06	.93
25 10 89 2	222.	2.2	5.6	5.2	22.6	23.0	8.9	8.6	.06	.94
25 10 89 3	211.	3.0	5.8	5.6	12.3	13.3	9.0	8.6	.09	.94
25 10 89 4	212.	3.5	6.0	5.8	9.5	10.5	9.2	8.9	.06	.93
25 10 89 5	252.	4.1	10.0	8.8	17.1	20.6	9.4	9.0	.09	.91
25 10 89 6	240.	4.2	8.8	8.2	19.6	20.3	9.6	9.4	.03	.77
25 10 89 7	239.	3.9	7.8	7.4	17.3	17.7	9.5	9.2	.12	.70
25 10 89 8	249.	5.7	12.4	11.4	18.9	19.3	10.0	9.9	-.09	.62
25 10 89 9	239.	4.8	10.0	9.6	16.6	16.9	10.5	10.6	-.50	.61
25 10 89 10	245.	4.5	10.2	9.2	18.7	19.0	11.2	11.6	-.68	.60
25 10 89 11	266.	5.4	12.6	11.8	20.0	21.4	12.2	12.6	-.68	.56
25 10 89 12	263.	6.0	16.4	15.2	19.9	20.2	12.5	12.8	-.65	.52
25 10 89 13	273.	8.9	15.8	15.4	15.9	16.2	12.2	12.4	-.50	.50
25 10 89 14	273.	5.9	12.6	12.0	17.2	19.0	12.6	12.9	-.56	.48
25 10 89 15	256.	5.6	15.4	14.2	19.2	20.0	12.4	12.5	-.40	.48
25 10 89 16	242.	3.9	9.4	9.0	18.8	19.5	11.3	11.1	-.16	.51
25 10 89 17	243.	5.2	10.4	9.6	17.0	17.1	10.4	10.1	.00	.53
25 10 89 18	225.	4.2	9.4	9.0	15.4	16.8	9.6	9.3	-.03	.60
25 10 89 19	215.	3.9	9.6	9.0	15.3	16.7	8.9	8.5	.03	.71
25 10 89 20	217.	4.7	8.8	8.2	13.4	13.8	8.3	8.1	.00	.78
25 10 89 21	210.	4.5	8.4	8.2	11.8	12.1	8.2	7.9	.03	.82
25 10 89 22	205.	4.8	9.8	9.0	12.3	12.4	8.3	8.0	.03	.85
25 10 89 23	211.	5.4	9.8	9.0	11.3	12.7	8.7	8.5	-.03	.85
25 10 89 24	222.	5.3	9.8	9.6	13.0	13.3	9.2	9.1	-.06	.85
26 10 89 1	221.	5.5	10.6	10.0	11.5	11.9	9.2	9.1	-.06	.86
26 10 89 2	219.	5.3	9.6	9.0	12.6	12.9	9.1	9.0	-.06	.87
26 10 89 3	229.	4.6	9.0	8.2	13.5	14.0	9.0	9.0	-.09	.88
26 10 89 4	243.	3.1	5.8	5.2	15.5	16.5	8.6	8.6	-.06	.90
26 10 89 5	226.	2.9	6.2	5.8	16.0	16.5	8.3	8.1	-.03	.89
26 10 89 6	239.	4.3	7.8	7.4	12.3	12.7	8.1	7.8	.00	.85
26 10 89 7	239.	4.5	9.0	8.4	15.1	15.2	7.4	7.2	.00	.86
26 10 89 8	238.	4.1	8.4	7.4	18.4	18.5	7.5	7.5	-.16	.82
26 10 89 9	252.	4.9	11.4	10.6	17.9	18.4	8.6	8.7	-.47	.73
26 10 89 10	239.	4.8	11.2	10.4	19.8	20.3	9.4	9.7	-.68	.68
26 10 89 11	240.	4.3	10.0	8.4	22.2	22.5	10.4	10.9	-.75	.63
26 10 89 12	252.	5.8	13.6	12.4	19.9	20.9	11.2	11.5	-.65	.57
26 10 89 13	263.	6.4	16.8	15.4	17.8	18.5	11.8	12.1	-.62	.54
26 10 89 14	267.	7.2	15.4	14.6	18.9	19.7	11.8	12.0	-.47	.54
26 10 89 15	267.	9.1	17.8	17.2	16.0	16.2	11.2	11.3	-.34	.55
26 10 89 16	271.	7.6	14.2	13.4	14.5	15.1	10.0	10.0	-.31	.62
26 10 89 17	259.	4.4	10.4	9.6	17.3	18.2	8.8	8.6	-.09	.67
26 10 89 18	256.	4.2	8.0	7.6	18.5	19.0	8.1	7.9	.00	.69
26 10 89 19	287.	4.3	9.0	8.0	16.9	22.7	8.1	7.8	.03	.68
26 10 89 20	281.	3.1	6.4	5.8	17.3	21.1	8.0	7.6	.06	.68
26 10 89 21	294.	2.1	6.6	5.8	31.3	33.0	7.8	7.3	.09	.68
26 10 89 22	330.	2.1	6.0	5.8	21.9	23.1	7.5	6.6	.19	.70
26 10 89 23	294.	1.6	5.0	4.8	30.8	33.7	7.2	6.2	.16	.69
26 10 89 24	284.	3.1	7.4	7.0	13.7	15.5	7.1	6.6	.16	.67
27 10 89 1	271.	3.1	5.8	5.4	10.9	12.4	6.6	6.1	.12	.65
27 10 89 2	302.	3.9	6.2	5.8	9.8	12.7	6.4	6.0	.12	.63
27 10 89 3	302.	3.7	7.4	6.6	10.8	11.2	5.7	5.4	.06	.64
27 10 89 4	311.	3.7	6.2	6.0	8.2	8.8	5.5	5.1	.16	.62
27 10 89 5	1.	2.3	4.4	4.2	11.8	22.9	4.7	3.8	.03	.69
27 10 89 6	13.	1.3	3.2	3.0	13.2	18.6	4.3	2.5	.22	.70
27 10 89 7	298.	.9	2.0	2.0	17.2	34.5	3.9	2.4	.09	.70
27 10 89 8	308.	1.9	2.6	2.6	6.0	15.8	2.8	2.3	.06	.83
27 10 89 9	291.	.6	2.4	2.4	20.8	29.4	3.2	3.1	-.09	.84
27 10 89 10	141.	.4	1.8	1.6	43.3	73.2	5.6	6.3	-1.15	.75
27 10 89 11	207.	.7	2.2	2.0	55.1	99.3	7.5	8.2	-1.18	.62
27 10 89 12	122.	.3	1.6	1.4	28.1	49.6	7.1	7.4	-.47	.63
27 10 89 13	124.	.3	1.6	1.4	23.1	26.4	7.8	8.2	-.59	.65
27 10 89 14	108.	.1	1.2	1.0	55.6	92.8	8.0	8.2	-.53	.66
27 10 89 15	118.	.4	2.6	2.2	32.9	41.2	7.7	8.0	-.37	.67
27 10 89 16	128.	1.9	2.8	2.6	4.2	7.6	6.0	5.6	-.03	.74
27 10 89 17	166.	1.4	2.2	2.2	10.0	20.5	5.9	5.1	.22	.80
27 10 89 18	115.	1.2	2.4	2.2	20.9	36.8	6.1	4.9	.12	.79
27 10 89 19	281.	.9	2.2	2.2	22.6	52.9	6.3	5.3	.00	.77
27 10 89 20	20.	.0	1.0	.8	65.1	123.1	6.1	4.9	.00	.79
27 10 89 21	356.	.6	1.6	1.4	18.9	32.9	5.9	4.8	.31	.79
27 10 89 22	302.	.9	2.2	2.0	11.6	25.2	5.5	4.9	.25	.80
27 10 89 23	343.	1.1	2.2	2.0	7.7	15.7	5.0	4.5	.47	.82
27 10 89 24	4.	1.5	2.6	2.4	5.1	12.9	5.1	4.6	.37	.81

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
28	10	89	1	27.	1.8	3.6	3.2	10.8	24.2	5.2	4.8	.31	.81
28	10	89	2	32.	1.5	3.4	3.2	23.3	28.2	5.5	4.9	.31	.83
28	10	89	3	0.	.7	3.2	3.0	27.5	32.1	6.1	5.2	.06	.85
28	10	89	4	66.	2.5	5.2	4.6	14.3	14.8	6.6	6.3	-.06	.88
28	10	89	5	62.	3.2	6.8	6.6	14.8	15.1	6.5	6.4	-.16	.92
28	10	89	6	56.	3.3	6.8	6.2	16.2	16.9	6.4	6.4	-.16	.90
28	10	89	7	58.	3.7	6.8	6.4	16.2	16.3	6.1	6.1	-.19	.90
28	10	89	8	41.	3.2	7.2	7.0	17.3	18.3	5.5	5.6	-.12	.92
28	10	89	9	31.	3.1	7.8	7.4	13.8	14.0	5.2	5.3	-.12	.93
28	10	89	10	25.	3.3	6.6	6.2	14.8	16.0	5.1	5.2	-.12	.92
28	10	89	11	20.	3.0	6.2	6.2	15.2	15.5	5.1	5.2	-.12	.92
28	10	89	12	17.	3.1	6.4	6.2	15.1	15.7	5.5	5.7	-.12	.91
28	10	89	13	14.	3.2	7.0	6.8	15.5	15.7	5.9	6.0	-.12	.88
28	10	89	14	14.	2.7	6.8	6.0	18.9	19.2	6.1	6.2	-.12	.87
28	10	89	15	4.	2.8	8.2	7.2	23.8	24.7	6.0	6.2	-.12	.88
28	10	89	16	10.	2.9	6.6	6.4	22.0	22.5	6.0	6.1	-.12	.89
28	10	89	17	27.	3.5	8.6	8.4	18.0	19.1	5.9	6.0	-.12	.90
28	10	89	18	31.	5.0	10.0	9.0	15.8	16.0	5.9	6.0	-.12	.91
28	10	89	19	29.	4.4	9.0	8.0	15.7	16.2	5.9	6.0	-.09	.90
28	10	89	20	42.	5.0	8.8	8.2	13.1	14.0	6.0	6.1	-.09	.90
28	10	89	21	32.	4.8	8.8	8.4	14.2	14.4	6.0	6.1	-.09	.89
28	10	89	22	29.	3.6	6.4	6.0	12.6	13.1	6.0	6.1	-.09	.89
28	10	89	23	18.	3.4	7.4	7.0	15.1	17.6	6.0	6.1	-.12	.89
28	10	89	24	51.	3.0	9.2	8.4	25.2	27.0	6.1	6.2	-.12	.90
29	10	89	1	35.	2.4	7.6	7.2	30.0	30.9	6.3	6.4	-.12	.91
29	10	89	2	44.	4.0	10.0	9.4	21.2	21.3	6.4	6.5	-.12	.91
29	10	89	3	34.	2.6	9.0	8.0	27.9	30.3	6.3	6.4	-.09	.93
29	10	89	4	38.	3.0	7.2	6.8	22.5	22.7	6.3	6.4	-.09	.93
29	10	89	5	42.	4.4	8.6	8.2	16.5	16.9	6.3	6.4	-.06	.93
29	10	89	6	8.	2.9	8.4	8.0	20.0	30.2	6.3	6.4	-.09	.93
29	10	89	7	51.	2.3	5.4	5.0	17.6	21.8	6.6	6.5	-.06	.93
29	10	89	8	29.	2.4	6.8	6.0	23.9	29.7	6.6	6.7	-.09	.93
29	10	89	9	31.	2.3	5.0	4.6	21.1	21.9	6.6	6.7	-.09	.93
29	10	89	10	34.	3.1	5.8	5.4	15.5	16.6	6.6	6.8	-.12	.93
29	10	89	11	28.	2.9	7.0	6.4	19.2	19.3	6.9	7.1	-.12	.93
29	10	89	12	27.	1.5	3.4	3.4	24.1	27.2	7.4	7.7	-.12	.95
29	10	89	13	38.	1.4	3.2	3.2	21.4	23.1	7.9	8.1	-.16	.94
29	10	89	14	52.	1.2	3.0	3.0	26.1	26.6	8.5	8.8	-.19	.93
29	10	89	15	0.	1.6	4.0	3.8	22.8	24.8	8.5	8.6	-.16	.93
29	10	89	16	60.	3.2	7.4	7.0	14.3	14.7	8.3	8.3	-.12	.94
29	10	89	17	59.	3.1	6.6	6.4	16.9	17.6	8.1	8.1	-.12	.95
29	10	89	18	73.	3.0	7.2	6.6	17.1	21.0	8.3	8.2	-.09	.95
29	10	89	19	100.	1.6	4.4	4.2	18.4	22.5	8.5	8.1	-.06	.95
29	10	89	20	67.	2.7	6.2	6.0	15.5	19.5	8.6	8.4	-.09	.96
29	10	89	21	0.	3.4	7.0	6.6	15.3	16.8	8.5	8.3	-.09	.96
29	10	89	22	32.	2.8	5.0	4.6	11.8	14.1	8.1	7.9	-.06	.95
29	10	89	23	60.	2.8	7.0	6.4	16.8	19.4	8.2	8.1	-.06	.96
29	10	89	24	58.	3.8	8.6	8.0	18.2	18.4	8.5	8.4	-.06	.95
30	10	89	1	59.	4.1	8.8	8.2	16.1	16.5	8.5	8.4	-.06	.94
30	10	89	2	60.	3.9	7.6	7.2	15.2	15.5	8.5	8.5	-.09	.95
30	10	89	3	55.	3.7	6.8	6.4	16.5	16.9	8.6	8.6	-.09	.93
30	10	89	4	62.	3.5	7.4	6.8	16.5	17.2	8.7	8.6	-.09	.92
30	10	89	5	59.	3.7	9.0	8.2	20.7	21.2	8.6	8.5	-.09	.92
30	10	89	6	29.	2.5	7.4	6.2	21.8	24.4	8.3	8.2	-.12	.91
30	10	89	7	41.	4.1	8.0	7.4	16.6	16.9	8.1	8.1	-.12	.91
30	10	89	8	31.	3.0	5.4	5.0	12.9	14.3	7.9	7.9	-.09	.92
30	10	89	9	27.	3.1	6.2	5.4	14.0	14.6	7.8	7.9	-.12	.91
30	10	89	10	21.	3.5	7.4	6.8	17.0	18.2	7.7	7.9	-.12	.90
30	10	89	11	29.	3.7	8.2	7.8	15.7	16.0	7.6	7.8	-.12	.90
30	10	89	12	24.	4.8	10.6	9.0	15.7	16.3	7.7	7.9	-.16	.88
30	10	89	13	15.	4.8	9.4	8.6	13.8	14.2	7.5	7.7	-.12	.87
30	10	89	14	29.	5.0	11.0	10.6	14.0	15.0	7.6	7.7	-.12	.87
30	10	89	15	17.	4.6	9.0	8.8	14.9	15.2	7.5	7.6	-.12	.87
30	10	89	16	15.	3.6	7.6	7.0	13.3	13.8	7.4	7.5	-.09	.87
30	10	89	17	20.	3.4	7.6	7.4	14.2	14.6	7.4	7.3	-.12	.86
30	10	89	18	4.	3.6	7.6	7.4	13.6	14.5	7.4	7.4	-.12	.85
30	10	89	19	354.	3.3	7.6	6.4	13.8	15.0	7.4	7.3	-.12	.84
30	10	89	20	333.	2.9	6.4	5.6	13.0	15.8	7.4	7.3	-.12	.84
30	10	89	21	339.	2.7	5.4	5.2	12.1	12.9	7.2	7.2	-.16	.83
30	10	89	22	4.	2.3	4.6	4.2	10.9	13.6	7.2	7.2	-.12	.82
30	10	89	23	343.	1.8	3.8	3.6	11.4	14.7	7.1	7.0	-.16	.82
30	10	89	24	346.	1.9	4.4	4.2	10.7	13.0	6.8	6.2	-.12	.84

	DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
31 10 89 1	347.	2.6	5.0	4.8	11.3	15.5	6.5	5.5	-.06	.84
31 10 89 2	4.	2.8	5.4	5.2	9.1	12.7	6.1	5.2	.00	.84
31 10 89 3	335.	1.9	4.2	3.8	9.1	12.3	6.3	5.5	-.06	.83
31 10 89 4	307.	2.2	4.0	3.8	9.9	16.6	6.0	5.3	-.09	.84
31 10 89 5	308.	2.3	3.8	3.6	7.0	13.8	5.5	5.0	-.09	.90
31 10 89 6	307.	2.5	4.4	4.2	7.2	9.8	5.3	4.8	-.12	.89
31 10 89 7	297.	1.8	3.4	3.2	4.7	8.4	5.4	4.7	-.09	.89
31 10 89 8	312.	.9	1.4	1.4	5.4	12.6	5.3	4.8	.06	.90
31 10 89 9	319.	1.6	3.4	3.4	6.7	12.2	5.5	5.2	-.12	.90
31 10 89 10	294.	2.1	3.8	3.6	8.6	15.8	5.5	5.3	-.19	.88
31 10 89 11	311.	2.1	3.0	2.8	5.6	6.6	5.7	5.5	-.22	.87
31 10 89 12	15.	.8	2.4	2.2	13.1	32.9	6.1	6.0	-.19	.87
31 10 89 13	330.	.2	1.0	.8	13.6	17.8	6.5	6.3	-.12	.86
31 10 89 14	308.	1.4	2.6	2.4	9.1	14.0	6.3	6.1	-.22	.87
31 10 89 15	27.	1.3	2.2	2.0	10.1	25.6	6.2	5.9	-.16	.88
31 10 89 16	231.	.7	2.8	2.8	45.8	72.5	6.1	5.7	-.12	.88
31 10 89 17	188.	.5	1.2	1.2	6.3	23.7	6.2	5.5	-.19	.89
31 10 89 18	104.	.9	1.8	1.8	7.7	46.7	6.3	5.3	-.12	.91
31 10 89 19	135.	1.6	2.2	2.2	2.8	13.3	6.1	5.1	.09	.91
31 10 89 20	120.	2.0	4.0	3.8	8.2	12.7	6.0	5.2	.03	.91
31 10 89 21	114.	1.3	2.8	2.4	25.7	43.4	6.2	5.3	.00	.91
31 10 89 22	104.	2.0	3.0	3.0	4.7	7.3	6.2	5.5	.00	.91
31 10 89 23	115.	2.7	4.8	4.6	6.6	9.1	6.2	5.7	.00	.90
31 10 89 24	134.	2.7	5.0	4.6	20.7	23.4	6.6	5.9	.00	.93
MANGLER(ANT)	0	0	0	0	0	0	0	0	0	0
MANGLER(%)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
1	11	89	1	142.	3.8	6.8	6.6	11.0	11.4	7.3	7.2	.00	.93
1	11	89	2	149.	4.7	9.2	8.8	11.9	12.7	7.7	7.6	-.03	.92
1	11	89	3	152.	5.0	9.0	8.4	12.0	12.2	8.3	8.1	-.03	.92
1	11	89	4	162.	4.6	8.4	8.0	12.6	13.2	8.3	8.2	-.09	.94
1	11	89	5	136.	4.5	8.4	8.2	13.5	15.9	7.8	7.8	-.12	.96
1	11	89	6	153.	4.1	9.2	8.4	14.6	18.7	8.0	8.1	-.12	.97
1	11	89	7	262.	1.8	4.8	4.6	11.5	32.6	8.6	8.4	-.12	.97
1	11	89	8	271.	2.5	5.0	4.6	12.6	15.3	8.0	7.9	.00	.96
1	11	89	9	301.	2.2	4.2	4.0	12.8	16.1	8.1	8.2	-.34	.94
1	11	89	10	267.	1.8	3.4	3.2	15.1	20.4	9.0	9.5	-.99	.91
1	11	89	11	290.	1.3	2.6	2.4	19.1	27.3	9.7	10.4	-1.12	.88
1	11	89	12	239.	2.1	5.2	5.0	17.0	21.7	10.5	11.1	-1.15	.81
1	11	89	13	259.	2.2	5.6	5.2	20.3	22.5	11.1	11.7	-.96	.75
1	11	89	14	247.	2.7	6.2	5.8	18.4	19.3	11.6	12.0	-.87	.69
1	11	89	15	236.	2.5	5.2	4.8	15.5	16.0	11.6	12.0	-.75	.66
1	11	89	16	217.	3.3	5.6	5.4	9.7	11.8	10.3	10.1	-.25	.67
1	11	89	17	221.	3.1	5.0	4.8	8.7	9.2	9.2	8.4	.03	.73
1	11	89	18	221.	3.6	6.4	6.0	9.4	11.2	8.3	7.5	.12	.79
1	11	89	19	201.	3.2	4.6	4.4	7.0	7.8	7.6	6.5	.22	.84
1	11	89	20	205.	2.9	5.0	4.8	8.0	8.4	7.1	6.1	.28	.87
1	11	89	21	207.	2.5	4.2	3.8	7.8	9.2	7.1	5.9	.16	.88
1	11	89	22	219.	2.3	4.6	4.4	8.4	9.7	6.9	5.7	.22	.90
1	11	89	23	302.	2.1	3.6	3.4	13.3	32.5	6.1	5.3	.19	.92
1	11	89	24	290.	2.1	3.6	3.2	9.2	14.7	5.4	4.5	.34	.91
2	11	89	1	336.	1.5	2.6	2.4	10.3	18.8	4.7	3.7	.25	.90
2	11	89	2	307.	1.0	2.6	2.4	9.7	29.4	4.0	2.8	.99	.90
2	11	89	3	8.	1.4	2.6	2.6	8.6	27.3	2.8	2.3	.37	.90
2	11	89	4	307.	1.2	2.4	2.2	4.4	19.5	2.9	2.1	.34	.89
2	11	89	5	332.	2.0	3.6	3.2	7.6	14.8	1.9	1.8	.16	.89
2	11	89	6	330.	2.0	3.2	3.0	8.4	14.2	1.8	1.7	-.09	.89
2	11	89	7	309.	1.9	3.4	3.2	9.2	14.0	1.6	1.5	-.09	.88
2	11	89	8	309.	3.2	4.8	4.6	7.2	9.5	1.5	1.6	-.12	.88
2	11	89	9	326.	1.7	3.4	3.0	12.2	16.8	1.6	1.9	-.12	.89
2	11	89	10	350.	2.2	4.2	4.0	12.1	15.8	2.1	2.4	-.16	.89
2	11	89	11	308.	1.7	4.0	3.8	17.0	24.1	2.7	3.1	-.22	.90
2	11	89	12	343.	1.7	3.8	3.4	15.5	20.7	3.3	3.7	-.12	.91
2	11	89	13	326.	1.5	3.4	3.2	17.8	24.2	4.1	4.4	-.19	.92
2	11	89	14	4.	1.2	3.4	3.0	32.2	37.9	4.6	5.0	-.19	.92
2	11	89	15	330.	.9	2.2	2.0	13.3	18.9	5.1	5.4	-.12	.93
2	11	89	16	97.	1.1	2.8	2.6	25.8	52.9	5.5	5.7	.00	.93
2	11	89	17	118.	2.7	4.2	4.0	7.4	13.1	6.1	6.1	.09	.94
2	11	89	18	104.	2.7	4.2	4.0	7.4	9.0	6.5	6.5	-.09	.94
2	11	89	19	121.	2.4	3.6	3.4	6.1	9.6	6.6	6.7	-.03	.94
2	11	89	20	83.	2.0	4.8	4.6	11.8	13.8	6.9	7.0	-.03	.95
2	11	89	21	152.	3.4	7.2	7.0	12.7	22.1	7.6	7.6	.03	.96
2	11	89	22	148.	4.0	8.4	8.2	12.7	14.3	8.8	8.8	.00	.96
2	11	89	23	135.	4.6	9.4	8.8	12.6	13.4	9.0	9.0	-.03	.93
2	11	89	24	145.	4.6	8.2	8.0	12.4	12.9	9.2	9.2	-.06	.94
3	11	89	1	124.	5.2	9.2	8.6	12.4	14.4	9.3	9.4	-.06	.94
3	11	89	2	131.	5.7	11.2	10.4	12.6	12.8	9.1	9.2	-.09	.95
3	11	89	3	129.	6.6	11.4	10.8	12.8	13.3	9.0	9.0	-.09	.96
3	11	89	4	129.	6.4	12.2	11.4	12.6	12.9	8.8	8.8	-.06	.95
3	11	89	5	136.	6.7	13.8	13.4	13.9	14.1	8.9	8.9	-.06	.92
3	11	89	6	134.	7.9	16.4	14.4	13.2	13.3	8.6	8.6	-.06	.93
3	11	89	7	122.	6.9	12.2	11.8	12.4	13.4	8.6	8.6	-.09	.93
3	11	89	8	117.	7.2	12.4	11.8	11.8	12.3	8.3	8.3	-.09	.92
3	11	89	9	120.	7.6	13.4	13.0	12.0	12.3	8.0	8.1	-.09	.91
3	11	89	10	108.	7.1	13.0	12.8	11.4	12.4	7.4	7.4	-.12	.95
3	11	89	11	114.	7.6	14.8	13.8	11.5	12.5	7.4	7.5	-.12	.96
3	11	89	12	136.	7.3	13.0	12.4	13.3	14.5	7.9	8.0	-.12	.97
3	11	89	13	153.	7.1	14.6	13.6	14.3	16.0	8.9	8.9	-.09	.98
3	11	89	14	163.	6.5	12.4	11.6	13.8	15.0	9.4	9.4	-.09	.97
3	11	89	15	169.	6.0	13.2	12.2	15.7	15.9	9.5	9.5	-.09	.96
3	11	89	16	174.	6.4	13.2	12.4	15.0	15.4	9.7	9.7	-.09	.97
3	11	89	17	174.	5.4	10.6	9.8	14.4	14.6	9.8	9.7	-.09	.96
3	11	89	18	150.	3.9	12.6	11.8	15.5	18.5	9.1	9.0	-.06	.93
3	11	89	19	188.	3.5	7.8	7.2	13.3	20.1	9.3	9.2	.00	.95
3	11	89	20	152.	3.1	6.8	6.4	15.1	19.5	9.4	9.3	-.06	.96
3	11	89	21	162.	4.7	11.0	9.6	14.2	14.9	9.2	9.1	-.03	.94
3	11	89	22	170.	5.0	10.4	9.8	16.0	17.7	9.3	9.2	-.06	.94
3	11	89	23	174.	5.6	11.0	10.6	15.1	15.7	9.6	9.5	-.09	.94
3	11	89	24	177.	5.7	11.4	10.6	14.3	14.5	9.5	9.5	-.06	.94

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
4	11	89	1	162.	5.1	10.8	10.4	15.4	16.3	9.4	9.4	-.09	.93
4	11	89	2	153.	5.6	11.0	10.4	14.8	17.1	9.2	9.2	-.09	.94
4	11	89	3	172.	5.9	12.4	11.8	15.0	16.8	9.3	9.3	-.09	.94
4	11	89	4	162.	6.1	11.8	10.6	14.6	15.3	9.2	9.3	-.09	.92
4	11	89	5	179.	5.8	12.8	12.0	15.2	17.2	9.1	9.1	-.09	.93
4	11	89	6	160.	4.6	10.2	9.6	13.8	15.1	8.8	8.7	-.06	.92
4	11	89	7	152.	6.3	11.8	11.2	14.7	15.1	8.9	8.9	-.09	.94
4	11	89	8	184.	5.8	15.4	15.2	15.5	20.6	8.0	8.0	-.09	.95
4	11	89	9	173.	4.2	8.6	8.4	13.5	14.4	8.2	8.2	-.12	.95
4	11	89	10	172.	2.8	6.0	5.6	14.0	17.0	7.7	7.7	-.09	.94
4	11	89	11	136.	1.3	2.8	2.6	19.5	22.3	8.1	8.4	-.16	.96
4	11	89	12	194.	1.8	4.0	3.6	21.9	30.3	8.9	9.2	-.28	.93
4	11	89	13	127.	2.5	8.6	8.4	30.5	43.1	8.0	8.2	-.22	.90
4	11	89	14	149.	2.1	4.8	4.4	17.3	23.4	7.6	7.8	-.16	.91
4	11	89	15	111.	2.3	4.0	3.8	10.6	16.5	8.1	8.2	-.19	.91
4	11	89	16	149.	3.3	6.6	6.2	7.0	13.3	7.4	7.2	.25	.93
4	11	89	17	155.	3.8	7.2	7.0	12.3	12.6	8.6	8.4	.03	.94
4	11	89	18	152.	4.4	7.8	7.2	12.0	12.7	8.8	8.7	-.06	.93
4	11	89	19	155.	4.6	8.4	8.0	12.6	12.7	9.1	9.0	-.06	.94
4	11	89	20	160.	5.5	12.0	10.6	13.0	13.6	9.2	9.2	-.09	.93
4	11	89	21	155.	5.4	10.4	10.0	13.6	13.8	9.1	9.1	-.09	.92
4	11	89	22	174.	6.0	12.8	11.8	14.4	15.3	8.6	8.5	-.09	.93
4	11	89	23	173.	4.9	10.8	10.2	13.8	14.1	8.3	8.1	-.09	.87
4	11	89	24	152.	4.0	7.8	7.6	13.6	15.5	8.2	8.1	-.06	.85
5	11	89	1	165.	4.4	8.8	8.4	13.5	14.1	8.4	8.3	-.06	.84
5	11	89	2	152.	3.5	6.8	6.6	13.9	14.5	8.5	8.4	-.06	.86
5	11	89	3	143.	4.6	8.8	8.0	12.3	13.4	8.6	8.5	-.06	.83
5	11	89	4	136.	4.7	9.0	8.6	12.8	13.1	8.7	8.6	-.03	.81
5	11	89	5	125.	3.9	7.4	7.2	11.2	11.4	8.6	8.3	-.03	.82
5	11	89	6	127.	4.5	10.4	9.8	12.4	12.7	8.6	8.4	-.03	.88
5	11	89	7	128.	5.7	11.4	11.0	13.0	13.2	8.2	8.2	-.12	.91
5	11	89	8	117.	6.2	10.6	9.6	12.4	12.7	8.0	8.0	-.12	.91
5	11	89	9	117.	6.0	11.2	10.6	11.0	11.4	7.9	8.0	-.09	.89
5	11	89	10	117.	5.8	11.8	11.4	11.3	11.4	7.8	7.9	-.12	.88
5	11	89	11	104.	5.8	10.4	9.8	11.4	12.4	7.3	7.4	-.12	.87
5	11	89	12	97.	5.0	9.0	8.6	12.4	12.7	6.7	6.8	-.19	.88
5	11	89	13	80.	3.9	7.6	7.2	13.4	14.3	6.5	6.7	-.16	.87
5	11	89	14	83.	3.1	6.0	5.6	14.1	14.4	6.5	6.6	-.16	.86
5	11	89	15	55.	3.4	6.6	6.0	15.0	16.1	6.6	6.7	-.12	.86
5	11	89	16	63.	4.1	7.4	7.2	13.6	13.8	6.6	6.7	-.09	.86
5	11	89	17	69.	4.0	8.2	7.6	13.8	14.3	6.7	6.7	-.09	.86
5	11	89	18	75.	5.0	9.8	8.8	14.9	15.3	6.8	6.8	-.12	.87
5	11	89	19	66.	4.8	9.2	9.0	15.3	15.9	6.6	6.6	-.09	.88
5	11	89	20	66.	4.7	8.4	8.2	14.4	14.5	6.3	6.4	-.09	.88
5	11	89	21	69.	4.5	8.4	8.0	15.8	16.6	6.3	6.4	-.09	.88
5	11	89	22	63.	5.0	9.6	8.6	15.6	16.2	6.4	6.5	-.12	.90
5	11	89	23	66.	5.0	9.2	8.6	14.3	14.5	6.3	6.4	-.12	.92
5	11	89	24	73.	4.2	8.2	7.8	15.7	15.8	6.3	6.4	-.09	.94
6	11	89	1	83.	4.2	8.4	7.8	16.9	17.4	6.6	6.6	-.09	.94
6	11	89	2	96.	3.6	8.2	7.8	15.4	16.9	6.6	6.6	-.06	.94
6	11	89	3	67.	4.6	11.6	10.8	14.4	15.8	6.5	6.5	-.06	.93
6	11	89	4	75.	4.3	8.6	7.6	14.3	15.4	6.4	6.4	-.03	.92
6	11	89	5	93.	3.1	5.8	5.6	10.1	12.6	6.6	6.6	.03	.93
6	11	89	6	103.	2.7	4.6	4.4	9.5	10.4	6.6	6.6	.00	.94
6	11	89	7	180.	2.2	4.6	4.6	9.8	29.5	6.9	6.6	.09	.95
6	11	89	8	202.	1.9	3.8	3.8	12.3	16.8	6.2	5.8	-.06	.94
6	11	89	9	205.	1.5	3.4	3.2	16.8	19.6	6.3	6.0	-.12	.94
6	11	89	10	200.	1.5	2.6	2.4	10.8	14.6	6.9	7.0	-.47	.94
6	11	89	11	125.	.8	1.8	1.8	17.1	36.5	7.3	7.6	-.37	.92
6	11	89	12	152.	.2	1.4	1.2	50.3	58.3	7.9	8.2	-.28	.90
6	11	89	13	136.	.7	1.8	1.8	18.4	20.2	8.2	8.6	-.25	.91
6	11	89	14	105.	.5	1.8	1.6	43.7	123.6	8.3	8.7	-.40	.91
6	11	89	15	115.	1.8	3.8	3.6	16.7	26.0	7.3	7.5	-.19	.95
6	11	89	16	122.	1.4	2.4	2.2	9.5	12.9	6.7	6.6	.03	.95
6	11	89	17	125.	2.2	3.4	3.0	6.3	8.6	6.8	6.4	.22	.94
6	11	89	18	124.	2.1	3.8	3.6	9.1	15.3	6.9	6.4	.16	.95
6	11	89	19	131.	2.3	3.8	3.2	5.3	8.3	7.0	6.6	.19	.95
6	11	89	20	15.	1.3	3.2	2.8	43.0	88.3	6.7	6.1	.19	.94
6	11	89	21	108.	1.1	2.0	1.8	60.5	83.4	6.4	5.8	.22	.94
6	11	89	22	6.	.6	2.2	2.0	49.3	111.8	6.7	5.7	.03	.94
6	11	89	23	42.	.4	1.2	1.0	17.0	24.0	6.7	5.5	.03	.94
6	11	89	24	98.	1.9	4.8	4.4	7.0	16.9	6.3	5.4	.09	.94

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
7	11	89	1	94.	2.7	4.4	4.2	5.6	13.8	5.9	5.6	.16	.94
7	11	89	2	63.	2.4	3.4	3.2	5.3	9.7	5.9	5.6	.09	.93
7	11	89	3	62.	2.5	3.6	3.4	5.3	8.3	5.8	5.6	.09	.91
7	11	89	4	41.	1.7	3.6	3.2	14.3	15.8	5.7	5.5	-.12	.91
7	11	89	5	14.	1.0	2.4	2.2	23.0	25.9	5.7	5.5	-.12	.91
7	11	89	6	333.	1.2	2.0	1.8	16.0	22.5	5.7	5.4	-.09	.92
7	11	89	7	360.	.9	2.0	1.8	14.7	17.7	5.7	5.5	-.16	.92
7	11	89	8	344.	1.2	3.8	3.4	15.0	16.7	5.7	5.6	-.06	.92
7	11	89	9	359.	1.2	2.6	2.4	9.6	12.9	5.5	5.4	-.06	.92
7	11	89	10	24.	2.0	3.8	3.4	7.3	13.1	5.5	5.6	-.12	.92
7	11	89	11	79.	1.9	4.2	4.0	20.2	25.0	6.4	7.0	-.50	.88
7	11	89	12	333.	.8	2.8	2.6	26.4	36.0	6.7	7.3	-.34	.86
7	11	89	13	305.	1.5	2.8	2.6	14.2	16.6	6.4	6.7	-.40	.89
7	11	89	14	274.	1.7	3.0	2.8	6.3	13.6	6.2	6.2	-.16	.91
7	11	89	15	247.	1.0	2.2	2.2	9.5	14.4	6.2	6.2	-.19	.92
7	11	89	16	280.	1.6	2.8	2.6	9.1	15.7	6.0	6.0	-.06	.91
7	11	89	17	3.	.2	1.4	1.2	26.2	37.8	5.9	5.4	.03	.92
7	11	89	18	117.	.4	1.2	1.0	18.4	43.6	5.6	4.8	.22	.93
7	11	89	19	250.	.5	1.8	1.6	31.8	61.3	5.4	4.6	.34	.92
7	11	89	20	150.	.5	2.2	2.2	37.7	84.2	5.2	4.6	.31	.92
7	11	89	21	3.	.2	1.0	.8	53.2	98.0	4.9	4.5	.31	.92
7	11	89	22	357.	.8	1.8	1.6	21.1	28.6	5.0	4.5	.22	.92
7	11	89	23	312.	1.0	3.0	3.0	22.2	36.3	5.1	4.6	.28	.92
7	11	89	24	46.	1.9	5.2	5.0	22.8	59.2	4.8	4.6	.09	.92
8	11	89	1	79.	.5	1.8	1.6	30.4	41.1	4.7	3.7	.47	.91
8	11	89	2	20.	.7	1.8	1.6	50.0	70.1	4.5	3.7	.40	.91
8	11	89	3	87.	.6	1.6	1.6	51.6	64.6	4.3	4.1	.34	.92
8	11	89	4	101.	1.8	3.8	3.6	9.0	13.8	4.4	3.9	.53	.92
8	11	89	5	107.	2.0	3.2	3.0	6.0	6.9	5.1	4.5	.56	.92
8	11	89	6	101.	2.7	3.4	3.2	4.2	5.3	5.7	5.3	.53	.93
8	11	89	7	165.	3.0	6.2	5.4	9.9	25.9	6.6	6.2	.34	.94
8	11	89	8	143.	3.9	7.8	7.6	11.1	13.5	7.7	7.5	.06	.93
8	11	89	9	148.	4.6	9.0	8.6	12.3	13.0	7.9	7.9	-.03	.92
8	11	89	10	145.	4.7	9.2	8.4	12.5	12.9	8.0	8.0	-.09	.96
8	11	89	11	179.	4.3	8.6	8.0	13.8	19.5	8.5	8.5	-.06	.97
8	11	89	12	150.	2.5	5.6	5.4	13.6	16.3	9.0	9.0	-.09	.98
8	11	89	13	176.	3.6	9.2	8.8	13.9	19.0	9.0	9.1	-.09	.98
8	11	89	14	191.	4.9	9.2	8.4	13.8	14.3	8.9	8.9	-.12	.97
8	11	89	15	179.	4.5	9.4	8.0	13.6	14.6	8.7	8.7	-.09	.96
8	11	89	16	165.	4.2	7.8	7.6	13.3	14.5	8.3	8.3	-.09	.94
8	11	89	17	155.	3.4	6.6	6.2	13.6	14.0	7.9	7.8	.00	.88
8	11	89	18	146.	4.4	8.0	7.6	12.2	12.9	7.8	7.6	.03	.82
8	11	89	19	149.	5.4	9.8	9.0	12.8	12.9	7.9	7.8	.00	.81
8	11	89	20	146.	5.9	10.6	10.0	13.2	13.4	8.0	7.9	-.03	.80
8	11	89	21	120.	6.2	11.8	11.2	12.7	15.0	7.9	7.9	-.06	.81
8	11	89	22	122.	6.8	11.4	11.0	11.5	11.8	7.7	7.7	-.09	.90
8	11	89	23	124.	7.0	12.8	12.0	11.6	11.9	7.7	7.7	-.09	.90
8	11	89	24	115.	7.6	13.8	12.8	11.3	11.8	7.2	7.3	-.09	.88
9	11	89	1	105.	7.1	12.6	12.2	11.8	12.3	6.5	6.5	-.06	.88
9	11	89	2	104.	5.7	10.4	9.8	11.8	12.5	6.1	6.1	-.09	.89
9	11	89	3	98.	6.8	12.4	11.6	11.8	12.6	6.4	6.4	-.09	.86
9	11	89	4	101.	6.4	12.2	11.4	12.2	12.4	5.5	5.6	-.09	.91
9	11	89	5	101.	7.6	13.6	12.6	12.3	12.8	5.0	5.1	-.12	.92
9	11	89	6	111.	8.0	14.4	14.0	11.8	12.2	5.4	5.4	-.09	.92
9	11	89	7	134.	8.5	16.0	14.8	13.1	16.5	6.2	6.2	-.09	.94
9	11	89	8	138.	8.3	15.0	14.6	13.3	13.3	7.4	7.4	-.06	.96
9	11	89	9	128.	8.3	15.0	13.8	12.7	13.1	8.0	8.0	-.03	.91
9	11	89	10	129.	8.9	16.8	15.8	13.1	13.2	8.4	8.4	-.06	.91
9	11	89	11	138.	9.6	18.2	16.4	13.6	13.8	8.2	8.2	-.09	.95
9	11	89	12	152.	9.9	19.2	18.2	13.3	13.6	8.8	8.8	-.06	.95
9	11	89	13	159.	9.6	18.6	17.2	14.0	14.3	8.9	8.9	-.09	.96
9	11	89	14	177.	7.4	15.0	14.0	15.1	16.3	9.1	9.0	-.06	.92
9	11	89	15	200.	7.7	15.4	14.6	14.5	16.3	8.8	8.8	-.06	.92
9	11	89	16	190.	7.2	13.0	12.4	13.0	13.3	8.8	8.7	-.06	.88
9	11	89	17	194.	7.0	12.4	11.8	13.0	13.1	8.4	8.3	-.03	.84
9	11	89	18	191.	7.3	15.0	13.4	12.7	12.8	8.5	8.3	-.03	.80
9	11	89	19	198.	7.7	15.0	14.4	12.5	12.6	8.4	8.2	-.03	.79
9	11	89	20	201.	8.2	13.6	12.8	11.8	12.1	8.0	7.8	-.06	.81
9	11	89	21	201.	7.7	14.6	13.4	11.9	12.2	7.6	7.4	-.06	.81
9	11	89	22	205.	7.2	14.2	13.8	13.3	13.5	7.3	7.2	-.03	.79
9	11	89	23	217.	5.9	14.4	13.4	13.8	14.2	7.2	7.2	-.06	.79
9	11	89	24	217.	6.3	14.2	12.8	15.3	15.8	6.5	6.4	-.03	.86

	DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
10 11 89 1	211.	6.1	12.0	11.2	14.0	14.1	6.2	6.1	.00	.87
10 11 89 2	215.	5.8	10.6	10.2	13.5	13.6	6.3	6.2	-.03	.85
10 11 89 3	229.	4.8	11.8	10.6	16.5	17.1	6.5	6.5	-.06	.82
10 11 89 4	221.	4.0	8.2	7.2	13.3	13.8	6.3	6.2	-.06	.81
10 11 89 5	214.	2.7	5.4	5.2	13.3	14.7	5.5	4.9	.09	.86
10 11 89 6	187.	2.7	4.8	4.6	11.2	22.7	5.0	4.1	.31	.87
10 11 89 7	152.	1.5	2.8	2.8	17.8	22.7	4.6	3.5	.40	.89
10 11 89 8	103.	2.1	4.0	3.6	11.8	17.8	4.8	4.0	.28	.88
10 11 89 9	101.	2.0	3.6	3.4	6.0	11.9	4.7	4.6	.25	.92
10 11 89 10	153.	3.1	7.8	7.6	10.4	13.1	5.8	5.7	.47	.94
10 11 89 11	165.	5.1	10.6	9.8	13.6	14.5	7.9	7.9	-.03	.94
10 11 89 12	150.	5.5	9.8	9.2	13.7	14.3	7.6	7.6	-.09	.90
10 11 89 13	169.	6.1	11.4	11.0	13.0	14.2	7.2	7.2	-.09	.92
10 11 89 14	160.	6.8	13.2	12.4	13.8	14.0	7.0	7.0	-.09	.94
10 11 89 15	162.	7.2	14.8	13.8	13.6	14.1	7.1	7.2	-.09	.95
10 11 89 16	163.	7.1	15.2	13.6	15.2	15.4	7.3	7.3	-.09	.95
10 11 89 17	191.	6.0	12.6	12.0	14.7	17.4	7.7	7.7	-.09	.96
10 11 89 18	193.	6.5	17.0	15.2	12.3	12.7	8.3	8.3	-.06	.96
10 11 89 19	187.	4.8	9.2	8.8	13.3	13.8	8.3	8.3	-.06	.96
10 11 89 20	187.	4.8	9.8	9.2	12.3	12.7	8.5	8.5	-.09	.96
10 11 89 21	190.	4.4	8.4	8.0	13.3	14.0	8.6	8.5	-.09	.97
10 11 89 22	173.	3.1	6.2	6.0	12.3	13.1	8.5	8.5	-.06	.97
10 11 89 23	169.	3.7	7.8	7.2	14.5	16.0	8.7	8.7	-.06	.97
10 11 89 24	173.	4.9	9.8	9.6	14.1	14.6	9.0	9.0	-.06	.97
11 11 89 1	190.	4.5	9.2	8.6	14.2	14.7	9.1	9.1	-.06	.98
11 11 89 2	179.	5.3	13.0	11.8	13.5	14.7	9.1	9.1	-.06	.98
11 11 89 3	180.	7.0	13.2	12.4	13.3	14.1	9.2	9.2	-.09	.98
11 11 89 4	150.	6.6	12.8	12.0	14.6	16.3	8.9	8.9	-.09	.98
11 11 89 5	152.	6.7	13.6	12.4	14.7	14.9	8.8	8.8	-.09	.98
11 11 89 6	174.	6.3	11.4	10.6	13.8	15.3	9.2	9.2	-.09	.98
11 11 89 7	194.	6.1	11.6	11.0	13.8	15.3	10.4	10.4	-.03	.98
11 11 89 8	195.	7.3	14.2	13.2	12.3	12.6	11.4	11.2	-.03	.98
11 11 89 9	197.	7.9	15.8	14.6	12.2	12.4	11.4	11.3	-.06	.98
11 11 89 10	195.	8.2	15.2	14.6	12.7	12.9	11.4	11.3	-.06	.98
11 11 89 11	197.	8.3	14.6	13.6	13.3	13.3	11.2	11.2	-.06	.98
11 11 89 12	195.	9.1	17.6	16.4	11.9	12.0	11.2	11.2	-.06	.98
11 11 89 13	198.	9.0	15.8	15.0	12.0	12.1	11.1	11.1	-.06	.98
11 11 89 14	200.	7.7	13.8	13.2	11.6	11.7	11.2	11.2	-.06	.98
11 11 89 15	200.	7.2	13.2	12.6	12.2	12.3	11.3	11.3	-.06	.98
11 11 89 16	204.	5.3	10.0	9.4	12.8	13.3	11.2	11.2	-.06	.98
11 11 89 17	208.	4.3	9.0	8.4	13.8	14.3	11.3	11.1	.03	.97
11 11 89 18	187.	3.4	6.6	6.2	12.1	13.3	11.1	10.8	.03	.93
11 11 89 19	198.	3.1	6.0	5.8	12.2	12.9	10.8	10.5	.00	.90
11 11 89 20	222.	2.8	5.8	5.6	11.2	12.9	10.5	10.3	-.03	.90
11 11 89 21	205.	3.1	5.0	4.8	8.3	10.4	10.2	10.0	.00	.90
11 11 89 22	211.	3.4	5.8	5.4	9.8	10.1	9.8	9.6	.00	.92
11 11 89 23	215.	3.7	6.4	6.0	9.3	10.5	9.5	9.3	.00	.91
11 11 89 24	205.	3.4	6.2	5.8	8.6	9.2	8.9	8.4	.03	.94
12 11 89 1	208.	3.7	6.0	5.6	10.8	11.2	8.7	8.5	.00	.94
12 11 89 2	214.	4.4	8.0	7.8	10.8	11.2	8.7	8.6	-.03	.93
12 11 89 3	110.	1.5	6.0	5.8	52.1	85.9	8.8	8.6	-.03	.92
12 11 89 4	222.	1.3	5.0	4.8	53.2	68.4	8.6	8.2	.00	.93
12 11 89 5	228.	1.4	4.2	3.8	25.2	29.3	8.4	8.2	.00	.92
12 11 89 6	301.	.8	3.8	3.4	67.9	97.8	8.5	8.1	.06	.91
12 11 89 7	236.	.5	2.4	2.2	42.8	48.7	8.5	7.9	.00	.90
12 11 89 8	247.	.8	2.6	2.4	23.1	25.8	8.7	8.5	.00	.84
12 11 89 9	294.	.4	3.0	2.8	51.7	71.0	8.4	8.0	.06	.88
12 11 89 10	278.	1.3	3.0	2.8	21.9	26.3	8.2	8.1	.00	.89
12 11 89 11	297.	1.7	4.2	3.6	17.7	21.9	8.2	8.3	-.12	.88
12 11 89 12	328.	1.0	2.2	2.2	13.3	18.2	7.9	8.2	-.31	.90
12 11 89 13	59.	.1	1.0	.8	56.7	93.8	8.2	8.5	-.19	.90
12 11 89 14	120.	.5	1.6	1.4	42.1	128.2	7.5	7.6	.00	.93
12 11 89 15	277.	.2	1.4	1.2	35.9	62.5	7.5	7.5	.25	.95
12 11 89 16	121.	.1	1.0	.8	68.0	107.1	7.3	7.1	.25	.96
12 11 89 17	105.	.3	1.0	1.0	39.7	68.0	7.3	6.8	.37	.95
12 11 89 18	160.	1.0	2.0	1.8	10.6	20.4	7.5	6.9	.43	.94
12 11 89 19	202.	1.8	3.0	2.8	6.9	16.8	7.7	7.2	.31	.91
12 11 89 20	186.	1.3	3.2	3.0	12.4	16.1	7.8	7.3	.16	.88
12 11 89 21	134.	.7	1.6	1.4	19.9	30.7	7.7	7.0	.16	.90
12 11 89 22	254.	1.1	2.2	2.0	20.1	49.0	7.2	6.8	.40	.92
12 11 89 23	277.	1.3	2.8	2.4	8.7	25.9	7.0	6.5	.37	.94
12 11 89 24	297.	2.3	3.6	3.4	8.0	18.4	6.8	6.5	.34	.91

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
13	11	89	1	292.	2.6	3.4	3.2	6.0	13.3	6.4	6.0	.47	.91
13	11	89	2	323.	2.6	3.6	3.4	5.4	10.3	6.1	5.4	.31	.89
13	11	89	3	323.	3.2	4.0	3.8	3.4	7.7	5.3	4.7	.75	.92
13	11	89	4	319.	3.5	5.6	5.2	5.1	16.2	5.1	4.3	.81	.88
13	11	89	5	330.	3.3	5.2	4.8	6.1	10.8	4.8	4.1	.50	.86
13	11	89	6	333.	2.5	4.4	4.2	5.3	16.9	3.5	2.8	.65	.90
13	11	89	7	301.	2.3	4.0	3.8	11.8	17.8	2.9	2.2	.25	.90
13	11	89	8	321.	2.2	3.8	3.6	8.7	18.5	2.1	1.9	.75	.90
13	11	89	9	321.	2.1	3.8	3.6	13.4	25.7	2.7	2.0	.99	.90
13	11	89	10	309.	3.3	4.6	4.4	4.2	7.3	3.9	4.1	.34	.85
13	11	89	11	307.	2.4	4.8	4.6	7.0	11.2	4.6	5.0	-.25	.78
13	11	89	12	305.	2.5	4.2	4.0	6.3	7.0	5.0	5.4	-.34	.75
13	11	89	13	329.	2.2	3.8	3.6	10.2	13.0	5.9	6.5	-.56	.67
13	11	89	14	288.	1.7	3.0	3.0	14.5	27.6	6.4	6.7	-.34	.62
13	11	89	15	333.	1.6	2.8	2.6	7.8	14.7	5.8	5.7	-.22	.64
13	11	89	16	346.	2.0	3.8	3.6	9.9	23.8	5.2	4.8	-.06	.70
13	11	89	17	285.	1.3	3.0	3.0	27.7	59.0	4.2	3.6	.28	.77
13	11	89	18	305.	.9	2.6	2.4	15.5	20.2	3.5	2.8	.25	.82
13	11	89	19	156.	.4	1.6	1.6	48.3	96.3	3.6	2.3	.34	.85
13	11	89	20	224.	.2	1.4	1.2	59.2	77.6	3.2	2.8	.40	.85
13	11	89	21	260.	.7	1.8	1.6	30.6	49.8	3.1	2.9	.65	.87
13	11	89	22	346.	1.2	2.8	2.6	14.7	25.0	2.9	2.9	.25	.88
13	11	89	23	222.	.6	2.4	2.2	51.7	120.8	3.0	3.0	.50	.89
13	11	89	24	208.	.7	2.0	1.8	15.7	37.1	3.4	3.3	.16	.86
14	11	89	1	254.	1.2	2.6	2.4	12.3	16.3	3.3	3.4	.12	.88
14	11	89	2	311.	2.1	3.6	3.6	26.5	41.7	4.0	3.9	.19	.89
14	11	89	3	166.	1.4	3.4	3.4	39.0	74.9	3.8	3.9	.03	.90
14	11	89	4	163.	.8	2.8	2.6	57.0	107.5	4.2	4.2	.16	.92
14	11	89	5	188.	1.5	4.8	4.4	19.9	34.4	4.1	3.9	.22	.92
14	11	89	6	149.	1.4	5.0	4.8	40.8	45.8	4.9	4.3	.19	.93
14	11	89	7	233.	1.8	5.2	4.8	29.6	35.3	5.7	5.3	.22	.93
14	11	89	8	60.	2.3	7.0	6.8	48.0	74.0	6.1	6.0	-.03	.93
14	11	89	9	226.	1.5	4.6	4.0	58.9	108.0	6.6	6.4	-.16	.93
14	11	89	10	318.	1.9	4.6	4.6	28.9	51.5	7.9	8.4	-.71	.87
14	11	89	11	283.	1.9	6.2	5.8	32.9	59.2	9.3	10.0	-.75	.77
14	11	89	12	291.	2.3	8.6	8.0	22.7	26.6	11.2	11.7	-1.06	.67
14	11	89	13	295.	6.3	14.0	13.4	14.2	14.8	11.8	12.0	-.40	.57
14	11	89	14	285.	7.4	15.8	13.8	13.6	14.4	11.8	11.7	-.28	.57
14	11	89	15	312.	8.0	14.8	14.0	14.1	16.1	11.5	11.4	-.19	.58
14	11	89	16	321.	6.0	13.6	13.0	15.8	17.6	10.8	10.5	.00	.60
14	11	89	17	307.	5.7	11.6	11.0	12.7	19.5	10.6	10.1	.03	.59
14	11	89	18	312.	6.7	13.2	12.0	10.1	10.2	10.2	10.0	.03	.58
14	11	89	19	316.	5.0	9.4	8.6	10.8	11.6	10.0	9.6	.06	.58
14	11	89	20	318.	5.8	10.8	10.0	12.1	12.3	9.8	9.4	.06	.58
14	11	89	21	312.	7.2	11.6	11.0	9.2	9.3	9.9	9.6	.03	.58
14	11	89	22	321.	6.1	10.8	10.4	10.8	11.1	9.6	9.3	.03	.60
14	11	89	23	321.	5.8	11.4	10.0	10.9	11.2	9.7	9.4	.03	.59
14	11	89	24	329.	5.4	11.2	10.2	11.3	11.7	9.6	9.3	.00	.60
15	11	89	1	6.	3.3	10.2	9.8	11.6	17.6	9.2	8.5	.03	.60
15	11	89	2	357.	7.9	17.6	14.6	12.9	13.3	9.6	9.2	.00	.47
15	11	89	3	343.	6.9	15.0	13.4	13.4	14.7	8.8	8.4	-.06	.42
15	11	89	4	3.	5.8	13.8	12.6	13.0	13.8	8.1	7.7	-.03	.42
15	11	89	5	335.	4.1	12.2	11.0	14.5	16.0	7.7	7.2	-.03	.45
15	11	89	6	329.	4.1	7.0	6.8	8.8	11.7	7.3	6.6	.09	.47
15	11	89	7	326.	4.0	6.8	6.4	8.7	11.3	7.0	6.3	.06	.50
15	11	89	8	326.	4.5	6.2	6.0	6.9	7.2	6.4	5.8	.09	.53
15	11	89	9	339.	3.9	6.6	6.0	8.0	9.5	6.7	6.0	-.06	.51
15	11	89	10	330.	3.3	5.2	4.8	8.3	9.5	7.1	7.3	-.34	.50
15	11	89	11	316.	3.6	6.4	6.0	8.1	10.4	7.4	7.8	-.47	.51
15	11	89	12	316.	3.5	5.4	5.4	8.0	8.7	8.2	8.7	-.53	.50
15	11	89	13	304.	3.7	5.8	5.4	9.3	10.1	8.6	9.1	-.43	.50
15	11	89	14	325.	3.6	5.8	5.4	8.9	12.1	8.9	9.0	-.40	.49
15	11	89	15	319.	3.0	6.0	5.6	11.2	13.6	8.9	8.6	-.09	.47
15	11	89	16	294.	2.4	3.4	3.2	7.6	17.2	7.6	7.0	.03	.51
15	11	89	17	21.	1.8	3.0	2.8	12.1	29.4	6.8	5.3	.40	.53
15	11	89	18	314.	.6	2.2	2.0	40.6	58.1	5.8	4.2	.37	.63
15	11	89	19	284.	.5	1.4	1.2	18.9	33.3	4.8	3.4	.40	.66
15	11	89	20	318.	1.1	2.2	2.0	11.9	20.8	3.4	1.9	1.40	.80
15	11	89	21	340.	1.8	2.8	2.6	6.4	15.6	1.9	1.1	1.21	.87
15	11	89	22	325.	2.0	3.2	3.0	5.1	11.6	1.1	.6	1.18	.87
15	11	89	23	319.	2.0	3.0	2.8	6.6	11.4	.9	.5	.59	.83
15	11	89	24	329.	2.4	3.2	3.0	5.8	14.8	.3	-.1	.22	.86

	DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
16 11 89 1	325.	1.8	2.8	2.6	6.9	14.8	.1	-.5	.40	.85
16 11 89 2	323.	1.7	2.8	2.6	7.4	14.9	-.1	-.7	.59	.84
16 11 89 3	332.	2.1	3.2	3.0	5.3	14.2	-.4	-.8	.22	.87
16 11 89 4	322.	2.4	3.6	3.4	4.9	8.4	-.8	-1.2	.37	.86
16 11 89 5	315.	2.5	4.4	4.2	5.4	12.2	-1.0	-1.3	.16	.83
16 11 89 6	305.	3.2	4.4	4.2	4.0	4.7	-1.2	-1.3	.09	.86
16 11 89 7	315.	2.9	4.2	4.0	6.1	9.4	-1.6	-1.6	-.06	.87
16 11 89 8	309.	2.8	4.0	3.8	4.2	6.7	-1.5	-1.6	.00	.87
16 11 89 9	312.	2.1	4.0	3.8	8.6	11.2	-1.1	-1.2	-.03	.87
16 11 89 10	330.	2.1	4.4	4.2	9.2	13.3	.0	.3	-.25	.83
16 11 89 11	328.	2.5	5.4	5.0	9.2	12.0	1.1	1.6	-.40	.73
16 11 89 12	346.	1.6	3.2	3.0	13.3	15.8	2.2	2.9	-.47	.74
16 11 89 13	330.	1.7	3.4	3.0	12.3	14.2	3.4	4.1	-.31	.68
16 11 89 14	323.	1.6	3.2	3.0	15.5	20.8	4.0	4.3	-.40	.64
16 11 89 15	332.	1.7	3.2	3.0	11.2	17.1	3.7	3.7	-.16	.67
16 11 89 16	332.	2.3	3.4	3.2	5.4	8.0	3.3	2.3	.19	.66
16 11 89 17	319.	2.6	3.6	3.2	5.6	6.7	2.6	2.0	.03	.69
16 11 89 18	316.	2.6	3.4	3.2	4.4	6.7	1.8	1.4	.19	.80
16 11 89 19	318.	2.8	4.2	4.0	4.7	9.0	1.5	1.0	.22	.82
16 11 89 20	319.	3.0	4.4	4.4	5.1	7.2	1.0	.7	.09	.85
16 11 89 21	7.	1.7	3.6	3.4	18.6	38.9	.6	-.1	.25	.87
16 11 89 22	315.	2.4	3.6	3.4	5.3	12.4	.9	.3	.25	.83
16 11 89 23	314.	2.0	3.2	3.0	5.4	8.3	.4	.0	.09	.88
16 11 89 24	332.	2.4	3.4	3.2	4.0	7.7	.4	.1	.06	.87
17 11 89 1	349.	2.3	3.6	3.4	6.0	7.2	.3	-.2	.28	.85
17 11 89 2	321.	2.4	3.4	3.2	5.3	11.8	-.1	-.4	.22	.86
17 11 89 3	309.	2.8	3.6	3.4	3.4	4.9	-.4	-.6	.09	.87
17 11 89 4	336.	2.6	3.6	3.4	4.0	10.4	-.5	-.9	.12	.86
17 11 89 5	309.	2.8	3.6	3.4	3.7	12.0	-.4	-.7	.22	.85
17 11 89 6	335.	2.8	4.2	4.0	4.7	9.4	-.7	-.9	.00	.87
17 11 89 7	318.	2.3	3.4	3.2	6.3	9.3	-.5	-.8	.09	.85
17 11 89 8	328.	2.2	3.0	2.8	5.3	6.0	-.6	-.9	.12	.87
17 11 89 9	314.	1.8	3.4	3.2	5.3	12.7	-.4	-.6	.06	.87
17 11 89 10	323.	2.1	3.2	3.0	7.8	10.5	.1	.6	-.40	.87
17 11 89 11	342.	1.5	3.0	2.8	10.1	11.7	1.2	1.9	-.50	.81
17 11 89 12	1.	.5	1.8	1.6	16.5	19.5	3.3	3.8	-.47	.74
17 11 89 13	10.	.4	1.8	1.6	12.3	14.1	4.3	5.0	-.34	.72
17 11 89 14	311.	.1	.8	.8	42.2	76.8	5.5	5.4	-.53	.70
17 11 89 15	135.	.4	1.2	1.0	28.8	66.5	4.2	4.0	.16	.75
17 11 89 16	156.	1.4	2.6	2.6	5.1	8.9	3.3	2.6	.25	.76
17 11 89 17	128.	1.0	2.0	1.8	19.4	22.8	3.4	2.9	.34	.77
17 11 89 18	4.	1.2	2.0	1.8	11.1	35.2	3.2	2.1	.53	.86
17 11 89 19	359.	1.0	2.0	1.8	8.7	10.8	2.6	2.1	.50	.87
17 11 89 20	336.	1.7	3.4	3.2	7.4	12.1	2.1	2.0	.43	.87
17 11 89 21	353.	2.8	4.6	4.4	5.8	8.0	2.5	2.4	.28	.87
17 11 89 22	339.	2.5	5.2	4.6	7.3	10.4	2.9	2.8	.06	.88
17 11 89 23	337.	2.7	5.0	4.6	7.8	9.4	2.8	2.8	.00	.87
17 11 89 24	359.	2.0	4.0	3.8	8.6	10.2	2.9	2.8	-.03	.87
18 11 89 1	328.	1.9	3.0	2.8	6.3	17.7	2.6	2.7	-.06	.88
18 11 89 2	315.	1.4	2.6	2.4	8.6	12.2	2.5	2.6	-.03	.89
18 11 89 3	329.	1.1	2.4	2.2	11.3	13.8	2.4	2.6	.19	.90
18 11 89 4	314.	1.3	3.0	3.0	9.2	19.8	2.3	2.4	.34	.90
18 11 89 5	335.	2.4	3.8	3.6	7.4	10.6	2.3	2.4	-.06	.90
18 11 89 6	323.	1.2	3.0	3.0	10.5	20.8	2.4	2.4	-.06	.91
18 11 89 7	314.	1.9	3.4	3.2	7.4	10.0	2.2	2.3	-.06	.90
18 11 89 8	356.	1.6	3.8	3.6	7.8	14.3	2.2	2.1	-.03	.90
18 11 89 9	333.	2.3	4.0	3.8	8.8	16.6	2.2	2.2	-.09	.91
18 11 89 10	333.	1.5	3.6	3.4	20.3	22.0	2.5	2.7	-.12	.91
18 11 89 11	337.	1.3	2.6	2.4	15.3	18.8	2.8	3.1	-.16	.91
18 11 89 12	326.	.5	1.8	1.6	23.2	29.7	3.5	3.8	-.12	.90
18 11 89 13	319.	.6	1.6	1.4	16.4	20.9	3.9	4.2	-.12	.89
18 11 89 14	315.	.7	1.6	1.4	9.4	11.8	3.8	4.2	-.09	.90
18 11 89 15	316.	.9	1.8	1.6	7.0	14.6	3.8	3.9	-.06	.90
18 11 89 16	49.	1.0	1.6	1.6	18.5	37.1	3.9	3.8	.19	.91
18 11 89 17	7.	.4	1.4	1.2	33.0	38.2	3.9	3.8	.25	.91
18 11 89 18	17.	.5	1.8	1.6	31.1	35.7	3.5	3.5	.34	.93
18 11 89 19	3.	.9	1.8	1.6	21.1	25.7	3.4	3.4	.50	.93
18 11 89 20	352.	.5	1.8	1.8	42.1	51.4	3.3	3.3	.59	.93
18 11 89 21	308.	1.3	2.6	2.6	12.2	18.2	3.2	3.3	.31	.93
18 11 89 22	316.	1.8	2.6	2.6	5.6	8.9	3.1	3.2	-.03	.93
18 11 89 23	346.	1.1	1.8	1.6	11.1	20.6	3.1	3.2	-.03	.93
18 11 89 24	321.	.9	1.8	1.8	11.6	28.9	3.4	3.4	.09	.93

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
19	11	89	1	25.	.2	1.4	1.2	33.2	43.8	3.4	3.5	.03	.93
19	11	89	2	280.	1.1	2.0	1.8	19.6	31.0	3.2	3.3	-.06	.92
19	11	89	3	150.	.5	1.6	1.4	47.1	62.1	3.1	3.3	-.06	.92
19	11	89	4	135.	1.3	3.2	3.0	18.6	21.5	3.1	3.3	-.09	.92
19	11	89	5	135.	1.9	3.4	3.4	11.8	12.2	3.0	3.1	-.12	.92
19	11	89	6	129.	1.8	4.2	3.6	12.6	13.3	3.0	3.1	-.12	.92
19	11	89	7	125.	2.0	3.6	3.4	9.9	11.1	3.0	3.1	-.12	.92
19	11	89	8	122.	2.4	3.6	3.4	8.9	9.5	3.0	3.1	-.09	.91
19	11	89	9	28.	1.3	3.4	3.2	38.3	53.0	3.1	3.2	-.06	.91
19	11	89	10	135.	1.0	2.8	2.6	26.5	29.1	3.3	3.4	-.09	.91
19	11	89	11	127.	1.9	3.8	3.6	9.8	10.9	3.3	3.5	-.16	.89
19	11	89	12	91.	.5	2.0	1.8	62.8	82.7	3.6	3.8	-.16	.89
19	11	89	13	104.	.9	2.0	1.8	15.3	18.5	3.7	3.9	-.22	.89
19	11	89	14	278.	.6	2.2	2.0	44.0	73.5	3.9	4.2	-.19	.89
19	11	89	15	13.	1.0	2.6	2.4	11.8	22.4	3.8	4.1	-.16	.90
19	11	89	16	354.	1.1	2.0	2.0	8.4	14.3	3.7	3.8	-.12	.90
19	11	89	17	321.	1.7	3.2	3.0	10.1	15.6	3.7	3.7	-.06	.90
19	11	89	18	312.	1.5	3.8	3.6	12.7	14.1	3.8	3.8	-.09	.92
19	11	89	19	302.	1.5	3.4	3.4	23.2	26.2	3.8	3.8	-.09	.93
19	11	89	20	315.	1.6	2.6	2.6	15.4	26.8	3.8	3.7	-.03	.93
19	11	89	21	307.	2.0	3.2	2.8	6.1	10.2	3.7	3.7	-.06	.93
19	11	89	22	330.	1.4	2.2	2.0	7.4	10.3	3.4	3.5	-.09	.93
19	11	89	23	297.	1.9	3.4	3.2	7.3	11.8	3.2	3.1	-.09	.92
19	11	89	24	308.	3.2	4.8	4.4	6.7	9.8	1.8	2.0	-.16	.91
20	11	89	1	333.	3.2	5.6	5.4	8.2	12.7	1.2	1.3	-.16	.91
20	11	89	2	329.	3.5	6.0	5.8	8.0	9.6	.8	.9	-.12	.90
20	11	89	3	332.	3.7	6.0	5.6	9.0	10.0	.9	1.0	-.16	.90
20	11	89	4	305.	3.0	4.8	4.6	9.6	15.4	.9	1.1	-.16	.90
20	11	89	5	304.	3.2	5.0	4.8	8.0	9.3	.5	.6	-.16	.89
20	11	89	6	297.	3.1	5.2	4.8	8.8	10.1	.2	.4	-.19	.89
20	11	89	7	337.	2.9	5.2	5.0	10.5	15.1	.1	.2	-.16	.89
20	11	89	8	336.	2.9	5.8	5.6	9.7	10.1	.1	.2	-.16	.88
20	11	89	9	321.	2.8	6.2	6.0	9.6	11.4	.2	.4	-.12	.87
20	11	89	10	356.	1.0	2.8	2.6	11.9	17.7	.7	1.1	-.19	.87
20	11	89	11	333.	1.5	3.2	3.0	15.0	17.2	1.1	1.5	-.19	.84
20	11	89	12	321.	1.5	3.0	2.8	10.9	14.0	1.4	1.7	-.16	.84
20	11	89	13	325.	1.3	2.2	2.0	9.7	11.6	1.9	2.2	-.22	.85
20	11	89	14	309.	1.6	2.6	2.6	7.8	11.1	2.2	2.4	-.19	.84
20	11	89	15	7.	1.0	2.8	2.6	11.2	20.2	2.3	2.5	-.12	.84
20	11	89	16	10.	1.2	2.6	2.4	13.0	14.5	2.4	2.5	-.09	.84
20	11	89	17	11.	2.2	4.4	4.2	11.8	12.3	2.5	2.5	-.09	.83
20	11	89	18	359.	1.9	4.6	4.4	12.4	16.6	2.5	2.6	-.09	.82
20	11	89	19	15.	1.9	3.8	3.6	11.1	11.8	2.5	2.3	-.06	.82
20	11	89	20	7.	1.4	3.6	3.2	12.7	15.1	2.5	2.5	-.09	.81
20	11	89	21	22.	1.8	3.6	3.4	9.7	12.9	2.6	2.6	-.09	.82
20	11	89	22	360.	1.9	4.2	4.0	14.5	16.7	2.6	2.7	-.12	.83
20	11	89	23	13.	1.6	3.2	3.0	12.2	13.8	2.5	2.6	-.12	.84
20	11	89	24	41.	1.1	2.6	2.4	20.5	24.5	2.3	2.5	-.16	.88
21	11	89	1	277.	.6	2.2	2.0	38.6	62.4	2.2	2.3	-.16	.89
21	11	89	2	342.	.8	1.8	1.6	14.9	19.6	2.0	2.2	-.16	.91
21	11	89	3	15.	1.0	2.0	2.0	7.8	11.6	2.0	2.1	-.12	.91
21	11	89	4	357.	1.1	2.4	2.2	14.5	26.3	2.0	2.1	-.09	.91
21	11	89	5	257.	.7	1.8	1.6	20.5	47.2	2.1	2.2	-.06	.90
21	11	89	6	267.	1.2	2.2	2.2	11.3	14.9	2.2	2.3	-.12	.90
21	11	89	7	266.	1.5	3.6	3.4	15.3	17.2	2.1	2.2	-.16	.90
21	11	89	8	253.	1.2	2.8	2.6	15.1	15.8	1.7	1.5	-.06	.90
21	11	89	9	262.	1.4	2.6	2.4	12.1	13.8	1.3	1.1	-.03	.90
21	11	89	10	260.	1.6	4.8	4.6	15.8	18.2	1.2	1.2	-.09	.90
21	11	89	11	311.	1.4	2.8	2.8	15.5	27.3	2.5	3.1	-.75	.86
21	11	89	12	276.	1.1	2.2	2.2	17.2	22.1	3.2	3.8	-.84	.81
21	11	89	13	318.	1.4	4.0	3.8	15.0	24.5	3.7	4.3	-.75	.79
21	11	89	14	329.	1.8	3.8	3.6	10.3	18.3	3.3	3.2	-.25	.81
21	11	89	15	291.	3.0	5.6	5.4	12.0	22.9	2.5	2.3	-.06	.82
21	11	89	16	319.	2.9	5.8	5.4	13.0	15.9	2.3	2.1	.00	.79
21	11	89	17	277.	2.2	4.0	3.8	6.9	14.3	2.2	1.6	.25	.79
21	11	89	18	295.	1.8	4.4	4.2	42.3	43.1	1.9	1.3	.00	.76
21	11	89	19	312.	3.1	5.8	5.6	10.9	12.2	1.7	1.4	-.03	.71
21	11	89	20	283.	3.4	7.8	7.4	12.7	19.7	2.1	1.7	.06	.67
21	11	89	21	325.	4.0	7.8	7.2	10.5	17.7	2.2	1.9	.06	.67
21	11	89	22	312.	4.9	8.6	8.2	9.2	11.1	2.7	2.4	.00	.63
21	11	89	23	330.	4.8	8.4	8.0	10.1	11.6	2.6	2.3	-.03	.60
21	11	89	24	333.	5.1	10.8	10.2	12.0	14.0	2.6	2.3	-.03	.56

	DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
22 11 89 1	323.	5.7	11.8	10.8	12.1	15.4	2.6	2.3	-.06	.54
22 11 89 2	328.	5.5	9.8	9.2	10.6	12.2	2.5	2.2	-.03	.54
22 11 89 3	323.	4.6	8.6	8.2	11.8	12.3	2.3	2.1	-.03	.56
22 11 89 4	337.	5.0	9.4	9.0	9.5	11.0	2.4	2.1	.00	.52
22 11 89 5	323.	5.7	11.0	10.0	10.3	11.2	2.8	2.5	.00	.48
22 11 89 6	352.	4.5	9.4	8.8	11.2	14.9	2.5	2.2	-.06	.49
22 11 89 7	347.	3.4	8.4	8.0	13.6	15.9	2.3	1.8	.00	.46
22 11 89 8	328.	5.3	9.8	9.6	10.9	12.7	2.4	2.1	-.03	.47
22 11 89 9	330.	5.9	12.6	11.0	11.3	12.8	2.4	2.1	-.12	.47
22 11 89 10	335.	5.3	10.2	10.0	13.1	13.7	3.1	3.2	-.22	.44
22 11 89 11	359.	5.5	12.2	11.4	13.1	15.3	3.8	4.0	-.22	.41
22 11 89 12	360.	5.7	12.8	11.8	14.6	15.5	4.0	4.3	-.19	.40
22 11 89 13	350.	5.0	12.2	11.4	13.6	13.9	4.0	4.4	-.16	.41
22 11 89 14	346.	5.9	12.2	11.2	13.0	13.4	3.9	3.9	-.09	.41
22 11 89 15	350.	5.2	11.4	10.8	12.3	12.6	3.6	3.5	-.09	.41
22 11 89 16	340.	4.3	10.0	9.2	12.8	14.5	3.0	2.6	-.03	.42
22 11 89 17	330.	4.9	11.8	10.8	13.3	14.2	2.7	2.4	-.06	.44
22 11 89 18	311.	4.1	7.6	7.2	9.5	15.0	2.2	1.8	-.06	.48
22 11 89 19	329.	3.9	7.8	7.4	11.6	15.8	1.7	1.3	-.06	.49
22 11 89 20	353.	4.3	8.8	8.4	13.3	15.8	1.6	1.3	-.03	.48
22 11 89 21	353.	2.5	6.0	5.4	13.2	15.7	.9	.2	.06	.45
22 11 89 22	340.	3.8	8.6	8.2	10.9	12.8	1.0	.5	-.03	.45
22 11 89 23	315.	3.7	6.4	6.2	10.0	12.0	.7	.4	.00	.46
22 11 89 24	276.	2.0	4.2	3.8	18.7	22.8	-.1	-.4	-.03	.49
23 11 89 1	274.	1.9	4.0	3.8	10.0	22.8	-.3	-.8	.16	.51
23 11 89 2	290.	2.4	4.8	4.6	10.5	13.0	-.4	-.9	.09	.52
23 11 89 3	302.	2.5	5.0	4.6	9.3	10.8	-.5	-1.0	.19	.55
23 11 89 4	309.	2.1	5.0	4.6	10.6	12.5	-.4	-.8	.09	.56
23 11 89 5	13.	.8	2.0	1.8	12.3	23.7	-.5	-1.5	-.03	.59
23 11 89 6	308.	1.7	3.4	3.2	9.3	24.2	-.8	-1.8	.19	.63
23 11 89 7	325.	2.3	3.4	3.2	5.6	8.7	-.6	-1.0	.12	.65
23 11 89 8	295.	1.8	3.0	2.6	8.2	10.0	-.6	-1.0	.06	.69
23 11 89 9	308.	2.6	3.4	3.4	2.4	6.4	-.7	-1.0	.16	.73
23 11 89 10	360.	3.1	4.4	4.2	16.8	23.6	-.8	-.7	-.06	.77
23 11 89 11	328.	1.5	4.0	3.8	14.1	24.6	.5	1.1	-.37	.71
23 11 89 12	7.	1.4	2.8	2.8	12.1	24.8	.9	1.4	-.37	.72
23 11 89 13	17.	1.8	4.2	3.8	10.2	14.6	1.0	1.3	-.12	.72
23 11 89 14	20.	2.2	5.8	5.4	14.6	17.2	1.3	1.6	-.22	.66
23 11 89 15	337.	2.3	4.6	4.4	11.1	20.6	1.0	1.1	-.16	.65
23 11 89 16	4.	2.1	5.0	4.4	10.1	12.8	.7	.6	-.09	.69
23 11 89 17	7.	1.8	4.0	3.8	10.0	11.1	.2	.1	-.09	.75
23 11 89 18	42.	2.2	5.4	5.2	13.6	18.1	.1	.0	-.06	.71
23 11 89 19	6.	2.4	5.8	5.4	13.5	19.6	-.1	-.3	-.06	.68
23 11 89 20	11.	1.7	3.4	3.2	8.3	14.0	-.5	-1.1	-.06	.70
23 11 89 21	1.	2.0	3.4	3.2	7.7	9.8	-1.0	-1.5	.03	.72
23 11 89 22	32.	2.4	5.8	5.6	13.2	15.1	-1.2	-1.2	-.06	.73
23 11 89 23	38.	3.3	7.6	7.0	17.3	17.9	-2.2	-2.1	-.22	.85
23 11 89 24	20.	3.1	7.6	7.4	18.7	21.7	-2.9	-2.8	-.12	.73
24 11 89 1	0.	1.9	5.0	4.8	19.4	23.9	-3.5	-3.4	-.12	.84
24 11 89 2	359.	3.2	7.0	6.6	12.9	24.9	-3.4	-3.4	-.09	.80
24 11 89 3	353.	3.4	7.0	6.6	10.3	10.5	-4.1	-4.6	-.06	.68
24 11 89 4	353.	3.8	7.4	7.0	9.7	11.0	-4.9	-5.3	-.03	.62
24 11 89 5	353.	3.3	6.2	5.6	8.3	10.0	-5.4	-6.0	.06	.58
24 11 89 6	347.	3.4	6.8	6.2	7.8	8.4	-5.4	-6.0	.09	.52
24 11 89 7	346.	2.4	5.6	5.2	9.5	12.0	-5.5	-6.3	.12	.49
24 11 89 8	315.	2.7	5.4	5.2	10.6	14.8	-5.4	-6.1	.03	.45
24 11 89 9	312.	2.8	4.4	4.2	7.3	8.7	-4.9	-5.5	-.06	.52
24 11 89 10	321.	2.2	3.4	3.2	7.0	9.6	-4.4	-4.1	-.59	.52
24 11 89 11	309.	2.6	4.0	3.8	6.4	7.4	-3.6	-3.1	-.59	.52
24 11 89 12	329.	2.0	3.6	3.4	14.0	15.8	-2.6	-2.0	-.50	.52
24 11 89 13	343.	2.4	4.6	4.4	10.4	14.3	-2.4	-2.1	-.19	.46
24 11 89 14	354.	2.7	5.8	5.2	11.8	12.2	-2.0	-2.2	-.12	.43
24 11 89 15	4.	3.3	7.8	7.4	11.6	12.3	-2.2	-2.3	-.09	.41
24 11 89 16	4.	3.3	6.6	6.2	10.0	10.4	-2.9	-3.4	-.06	.43
24 11 89 17	6.	3.7	6.6	6.2	8.7	8.9	-3.2	-3.7	.00	.42
24 11 89 18	4.	3.1	5.6	5.2	9.0	10.2	-3.5	-4.2	.06	.42
24 11 89 19	311.	2.2	4.6	4.2	9.1	20.2	-3.7	-4.4	-.03	.44
24 11 89 20	304.	1.7	3.0	2.8	4.4	7.8	-4.1	-4.8	.06	.57
24 11 89 21	302.	1.7	3.2	3.0	8.7	11.6	-4.8	-5.3	.12	.72
24 11 89 22	304.	3.2	4.6	4.2	3.4	5.4	-5.7	-6.0	.03	.76
24 11 89 23	312.	2.5	3.8	3.6	4.0	9.7	-6.4	-6.9	.09	.70
24 11 89 24	298.	2.9	4.2	4.0	6.7	11.5	-6.7	-7.3	.12	.75

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
25	11	89	1	308.	3.1	4.4	4.2	4.7	6.0	-6.8	-7.3	.09	.80
25	11	89	2	307.	2.5	4.4	4.2	4.4	8.7	-6.9	-7.5	.12	.82
25	11	89	3	304.	3.3	4.6	4.4	4.2	5.4	-7.0	-7.2	.09	.83
25	11	89	4	297.	2.2	3.4	3.0	4.9	8.0	-7.0	-7.5	.09	.82
25	11	89	5	307.	3.2	4.2	4.0	3.1	5.6	-7.1	-7.2	.00	.82
25	11	89	6	304.	2.9	4.2	4.0	3.7	8.9	-7.0	-7.0	.09	.82
25	11	89	7	299.	2.4	3.4	3.2	5.4	8.9	-6.7	-6.7	.00	.78
25	11	89	8	307.	2.3	3.6	3.4	4.4	5.8	-6.3	-6.3	-.09	.78
25	11	89	9	305.	2.3	3.8	3.6	5.6	8.1	-6.1	-6.0	-.09	.77
25	11	89	10	311.	2.7	4.0	3.8	6.6	11.0	-5.5	-5.3	-.16	.75
25	11	89	11	256.	1.6	3.2	3.0	10.4	23.2	-5.1	-4.8	.00	.75
25	11	89	12	204.	1.7	3.6	3.4	10.5	18.4	-4.0	-3.9	.19	.79
25	11	89	13	193.	1.5	3.4	3.0	30.0	30.7	-2.8	-2.8	.40	.84
25	11	89	14	114.	.5	1.8	1.6	62.7	74.0	-2.6	-2.5	.53	.84
25	11	89	15	149.	1.1	2.2	1.8	15.4	19.7	-1.9	-2.1	.50	.83
25	11	89	16	217.	1.4	3.6	3.4	14.0	26.8	-1.5	-2.4	.53	.81
25	11	89	17	277.	.6	1.8	1.6	19.1	24.6	-1.8	-2.8	.68	.83
25	11	89	18	321.	1.5	3.0	2.8	8.3	18.3	-2.5	-3.0	.47	.87
25	11	89	19	321.	1.5	3.2	3.0	8.9	21.6	-3.0	-3.5	.28	.83
25	11	89	20	294.	3.6	6.2	5.8	6.3	10.3	-2.5	-2.8	.78	.82
25	11	89	21	305.	4.1	6.8	6.6	8.1	8.8	.1	-.6	.99	.77
25	11	89	22	299.	2.9	5.2	4.8	9.8	11.4	3.1	1.9	.53	.70
25	11	89	23	325.	2.9	5.8	5.6	10.7	18.2	2.7	1.2	.47	.75
25	11	89	24	316.	3.1	7.6	7.2	9.9	10.7	3.4	2.3	.37	.73
26	11	89	1	322.	3.8	7.2	6.8	10.6	11.5	3.9	3.0	.34	.72
26	11	89	2	339.	3.0	5.6	5.4	8.3	9.1	3.6	2.6	.19	.73
26	11	89	3	336.	3.3	5.6	5.4	8.4	9.7	3.3	2.6	.16	.73
26	11	89	4	291.	3.3	6.2	6.0	8.2	15.4	2.7	2.1	.16	.75
26	11	89	5	299.	3.2	4.6	4.4	3.1	5.8	2.1	1.5	.68	.78
26	11	89	6	312.	4.0	5.2	5.0	2.0	4.2	1.7	1.1	1.15	.82
26	11	89	7	318.	3.6	4.8	4.6	3.4	6.0	1.6	.8	.84	.81
26	11	89	8	301.	3.1	4.6	4.6	4.2	11.2	.8	-.1	1.18	.87
26	11	89	9	325.	2.9	4.0	3.8	4.2	8.4	.5	-.5	.90	.89
26	11	89	10	29.	1.8	3.2	3.0	6.6	21.6	1.3	.7	.34	.84
26	11	89	11	343.	1.6	3.4	3.2	32.0	42.5	.7	.5	.53	.88
26	11	89	12	302.	3.3	5.0	5.0	8.7	10.5	.8	.9	.84	.85
26	11	89	13	285.	1.7	3.4	3.4	6.3	8.0	2.8	3.1	-.43	.80
26	11	89	14	150.	.3	1.2	1.0	59.2	109.4	3.5	2.5	-.62	.84
26	11	89	15	173.	1.2	2.6	2.4	15.4	28.7	3.3	2.2	.09	.74
26	11	89	16	173.	1.3	2.4	2.2	5.8	14.1	1.7	.5	.56	.87
26	11	89	17	143.	2.2	3.0	3.0	3.7	11.8	2.0	.8	.71	.71
26	11	89	18	186.	1.1	2.2	2.2	50.9	66.3	.5	-.4	1.30	.87
26	11	89	19	315.	1.4	3.0	2.8	30.7	43.8	-.4	-.7	.87	.90
26	11	89	20	329.	1.4	2.8	2.6	13.6	15.3	.0	-.4	.47	.81
26	11	89	21	326.	2.1	3.8	3.8	5.4	12.8	-.2	-.6	.62	.79
26	11	89	22	301.	2.2	3.6	3.6	7.7	17.8	-1.1	-1.3	.50	.87
26	11	89	23	323.	2.3	3.6	3.4	3.1	10.0	-1.7	-2.0	.37	.91
26	11	89	24	308.	3.0	3.8	3.8	3.7	7.6	-2.4	-2.7	.09	.93
27	11	89	1	309.	3.0	4.6	4.4	4.4	8.9	-2.9	-3.1	.09	.92
27	11	89	2	311.	2.2	3.4	3.4	5.8	6.9	-3.4	-3.4	.03	.92
27	11	89	3	318.	2.4	4.2	4.2	10.2	14.3	-4.0	-3.9	-.06	.91
27	11	89	4	343.	2.7	4.0	3.8	10.0	16.9	-4.1	-4.1	.34	.90
27	11	89	5	299.	2.7	4.4	4.0	11.4	19.2	-4.1	-4.1	.03	.90
27	11	89	6	304.	2.3	4.2	3.8	11.2	16.0	-4.4	-4.7	.37	.89
27	11	89	7	318.	3.1	4.6	4.4	3.1	7.7	-4.6	-4.7	1.34	.88
27	11	89	8	330.	2.6	3.8	3.6	5.6	10.9	-4.8	-5.1	.81	.88
27	11	89	9	290.	2.5	4.4	4.2	10.6	17.0	-4.9	-5.1	.16	.87
27	11	89	10	314.	1.9	4.0	4.0	24.7	39.3	-4.4	-4.4	.28	.87
27	11	89	11	305.	2.8	5.2	5.0	27.9	34.0	-3.6	-3.4	.28	.90
27	11	89	12	326.	4.6	8.2	7.8	8.6	11.7	-.9	-.9	1.83	.90
27	11	89	13	352.	3.6	9.4	9.0	16.0	22.2	3.6	3.4	.25	.76
27	11	89	14	311.	2.2	8.2	7.8	40.1	52.0	4.8	4.4	-.28	.74
27	11	89	15	330.	6.9	16.6	15.8	13.0	14.3	6.5	6.0	.03	.48
27	11	89	16	329.	7.3	15.8	14.8	12.2	12.3	5.9	5.5	.00	.38
27	11	89	17	322.	8.3	15.4	13.8	11.7	12.2	5.5	5.1	.03	.42
27	11	89	18	330.	7.0	14.6	13.2	12.9	13.1	5.2	4.8	.00	.47
27	11	89	19	325.	6.2	11.2	10.4	12.1	12.3	5.0	4.6	.03	.50
27	11	89	20	332.	5.9	11.0	10.4	10.9	11.7	5.1	4.7	.03	.50
27	11	89	21	339.	5.6	14.8	13.2	13.6	13.9	5.4	5.0	.03	.46
27	11	89	22	352.	6.0	13.0	12.2	13.3	14.4	5.5	5.0	.00	.46
27	11	89	23	353.	6.3	14.8	13.6	12.4	12.7	5.5	5.1	-.03	.48
27	11	89	24	3.	6.9	14.2	12.6	13.3	14.0	5.1	4.8	-.06	.49

	DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
28 11 89 1	15.	5.9	13.6	13.0	14.9	16.6	4.1	3.9	-.06	.52
28 11 89 2	15.	6.0	12.6	11.0	13.0	13.3	3.3	3.1	-.06	.52
28 11 89 3	6.	3.7	9.8	9.6	23.5	25.4	2.4	2.1	-.06	.51
28 11 89 4	14.	2.5	6.0	5.8	19.1	22.5	1.4	.7	.00	.54
28 11 89 5	3.	2.6	7.2	6.4	7.8	12.7	1.2	.1	.12	.55
28 11 89 6	24.	2.9	5.4	5.0	8.2	16.3	.9	-.2	.19	.53
28 11 89 7	356.	3.5	7.2	6.8	10.3	12.0	.8	.2	.06	.52
28 11 89 8	129.	.8	2.6	2.4	51.9	111.2	.2	-.8	-.06	.55
28 11 89 9	108.	2.2	3.6	3.4	6.0	10.0	-.3	-1.3	.03	.58
28 11 89 10	120.	2.2	3.8	3.4	7.2	13.2	-.2	-.5	-.47	.61
28 11 89 11	173.	1.7	3.2	3.0	11.9	21.0	.4	1.0	-.47	.60
28 11 89 12	176.	2.0	3.8	3.6	14.9	17.8	.7	1.6	-.47	.59
28 11 89 13	170.	1.7	3.4	3.4	15.4	17.4	.6	1.3	-.28	.59
28 11 89 14	145.	1.3	3.0	2.8	13.3	18.5	.8	.7	-.16	.61
28 11 89 15	170.	1.9	3.6	3.4	9.3	13.7	.5	.2	-.06	.63
28 11 89 16	210.	2.3	4.8	4.6	11.1	19.7	.3	-.1	.03	.67
28 11 89 17	215.	1.7	4.6	4.2	29.8	30.8	.3	-.4	.12	.69
28 11 89 18	333.	1.5	3.0	2.8	15.3	36.3	.1	-.5	.16	.74
28 11 89 19	245.	1.3	2.6	2.4	7.7	27.8	-.4	-1.4	.25	.77
28 11 89 20	330.	1.7	2.4	2.4	4.0	19.3	-1.3	-1.8	.12	.82
28 11 89 21	333.	1.3	2.4	2.4	8.8	15.4	-1.9	-3.0	.37	.87
28 11 89 22	315.	2.5	4.2	4.0	6.9	14.7	-1.9	-2.7	.25	.81
28 11 89 23	318.	2.2	3.6	3.2	6.4	8.7	-2.6	-3.1	.06	.84
28 11 89 24	332.	1.6	3.4	3.0	10.0	15.4	-3.0	-3.6	.03	.86
29 11 89 1	322.	2.4	4.0	3.8	5.6	8.4	-2.7	-3.4	.31	.83
29 11 89 2	321.	2.9	4.0	3.8	5.3	6.6	-3.6	-4.0	.16	.88
29 11 89 3	301.	3.4	4.2	4.2	3.4	6.1	-3.9	-4.1	.19	.88
29 11 89 4	311.	3.3	4.8	4.6	4.7	8.2	-4.1	-4.3	.09	.90
29 11 89 5	312.	3.2	5.0	4.8	5.4	7.2	-4.3	-4.4	.09	.90
29 11 89 6	322.	3.3	4.4	4.2	7.7	12.1	-4.3	-4.3	.16	.90
29 11 89 7	325.	3.6	5.2	5.0	5.8	8.0	-3.7	-3.7	.16	.90
29 11 89 8	311.	3.6	5.2	4.8	5.8	8.1	-3.6	-3.6	.03	.90
29 11 89 9	319.	3.5	4.8	4.6	4.7	6.1	-3.4	-3.4	.00	.90
29 11 89 10	330.	3.7	6.6	6.4	7.8	10.2	-2.8	-2.7	-.12	.90
29 11 89 11	318.	3.1	5.4	5.2	7.7	9.8	-2.0	-1.7	-.22	.87
29 11 89 12	328.	2.8	4.2	4.0	7.0	8.8	-1.4	-1.0	-.22	.86
29 11 89 13	323.	3.2	5.2	4.8	6.0	8.6	-1.0	-1.1	-.03	.84
29 11 89 14	333.	2.0	3.4	3.2	8.6	9.9	-.1	-.2	-.19	.82
29 11 89 15	332.	2.1	3.8	3.6	6.3	7.7	.3	-.1	-.06	.82
29 11 89 16	337.	3.2	5.0	4.6	5.1	7.0	.2	-.6	.22	.82
29 11 89 17	323.	3.4	4.6	4.4	4.2	4.7	-.2	-.8	.25	.84
29 11 89 18	328.	3.3	4.2	4.0	3.7	6.4	-.8	-1.5	.25	.90
29 11 89 19	322.	3.2	4.0	3.8	4.4	4.7	-.9	-1.4	.34	.90
29 11 89 20	318.	3.4	4.4	4.2	4.0	6.4	-1.1	-1.6	.28	.91
29 11 89 21	329.	3.2	4.4	4.2	4.4	6.6	-.9	-1.5	.28	.90
29 11 89 22	319.	4.5	5.4	5.4	3.1	4.7	-1.1	-1.6	.40	.90
29 11 89 23	330.	3.5	4.8	4.8	5.4	8.0	-1.1	-1.6	.25	.90
29 11 89 24	323.	3.1	4.4	4.2	5.8	7.7	-1.0	-1.5	.19	.88
30 11 89 1	315.	2.8	4.0	3.6	4.4	10.5	-1.3	-1.8	.31	.90
30 11 89 2	309.	3.4	4.2	4.0	3.4	10.5	-1.5	-2.0	.31	.92
30 11 89 3	333.	3.1	4.2	4.0	5.8	11.2	-1.8	-2.2	.12	.92
30 11 89 4	319.	3.2	4.6	4.4	5.1	7.3	-1.7	-2.2	.19	.91
30 11 89 5	329.	3.2	4.6	4.2	4.9	8.1	-2.0	-2.5	.50	.92
30 11 89 6	309.	3.2	4.0	3.8	3.7	6.4	-2.2	-2.5	.28	.92
30 11 89 7	319.	3.3	4.4	4.2	4.0	7.2	-2.4	-2.7	.19	.92
30 11 89 8	332.	3.1	4.0	3.8	3.4	6.4	-2.4	-2.8	.19	.92
30 11 89 9	312.	2.1	3.8	3.4	8.1	14.1	-2.3	-3.0	.09	.90
30 11 89 10	312.	1.9	2.8	2.8	6.1	8.1	-2.3	-2.4	-.31	.92
30 11 89 11	346.	1.1	2.4	2.4	13.0	16.9	-1.3	-.8	-.62	.93
30 11 89 12	323.	1.4	3.4	3.4	11.8	14.7	-.6	-.1	-.22	.87
30 11 89 13	315.	1.4	2.4	2.2	8.1	9.7	-.2	.3	-.37	.85
30 11 89 14	339.	.5	1.6	1.4	20.3	23.1	.7	.3	-.12	.86
30 11 89 15	352.	.6	1.8	1.6	7.8	17.9	.3	-.3	.09	.88
30 11 89 16	329.	1.4	2.0	1.8	3.7	9.2	-.5	-1.2	.12	.88
30 11 89 17	318.	1.9	2.8	2.6	4.4	9.6	-1.0	-1.6	.19	.87
30 11 89 18	319.	2.2	3.4	3.2	4.9	7.0	-1.6	-2.1	.16	.91
30 11 89 19	326.	2.2	3.2	3.2	3.7	6.0	-2.0	-2.4	.19	.92
30 11 89 20	304.	2.6	3.6	3.4	4.0	8.0	-2.5	-2.9	.16	.91
30 11 89 21	309.	2.0	2.8	2.6	4.2	6.1	-2.8	-3.1	.09	.91
30 11 89 22	314.	2.1	3.4	3.2	6.6	8.2	-3.1	-3.3	.00	.91
30 11 89 23	318.	1.8	3.0	2.8	5.6	12.8	-3.2	-3.6	.09	.91
30 11 89 24	314.	1.6	2.4	2.2	6.4	9.7	-3.5	-3.9	.06	.90
MANGLER(ANT)	0	0	0	0	0	0	0	0	0	0
MANGLER(%)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

NORSK INSTITUTT FOR LUFTFORSKNING (NILU)
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TITTEL Meteorologiske data fra nedre Telemark, høsten 1989	PROSJEKTLEDER G.W. Gustavsen
	NILU PROSJEKT NR. O-8365
FORFATTER(E) G.W. Gustavsen	TILGJENGELIGHET A
	OPPDRAGSGIVERS REF.

OPPDRAGSGIVER (NAVN OG ADRESSE)
Statens forurensningstilsyn, Kontrollseksjonen nedre Telemark
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3 STIKKORD (à maks. 20 anslag)
Meteorologiske data | Statistisk bearb.

REFERAT
En statistisk bearbeiding av meteorologiske data fra nedre Telemark i perioden 01.09.89-30.11.89 viser dominerende nordvestige vinder ved Ås. Gjennomsnittlig vindstyrke på 2,9 m/s var 0,1 m/s lavere enn normalt. Stabilitetsfordelingen viser færre tilfeller av stabil sjiktning enn vanlig. Alle de tre høstmånedene var varmere enn tiårsnormalen.

TITLE Meteorological data from nedre Telemark, autumn 1989.

ABSTRACT
A statistical evaluation of meteorological data from Nedre Telemark during the autumn 1989 shows dominating winds from northwest. Stable and light stable cases were observed in about 37% of the time (less than normal). September, October and November 1989 were all warmer than normal.

* Kategorier: Åpen - kan bestilles fra NILU A
Må bestilles gjennom oppdragsgiver B
Kan ikke utleveres C