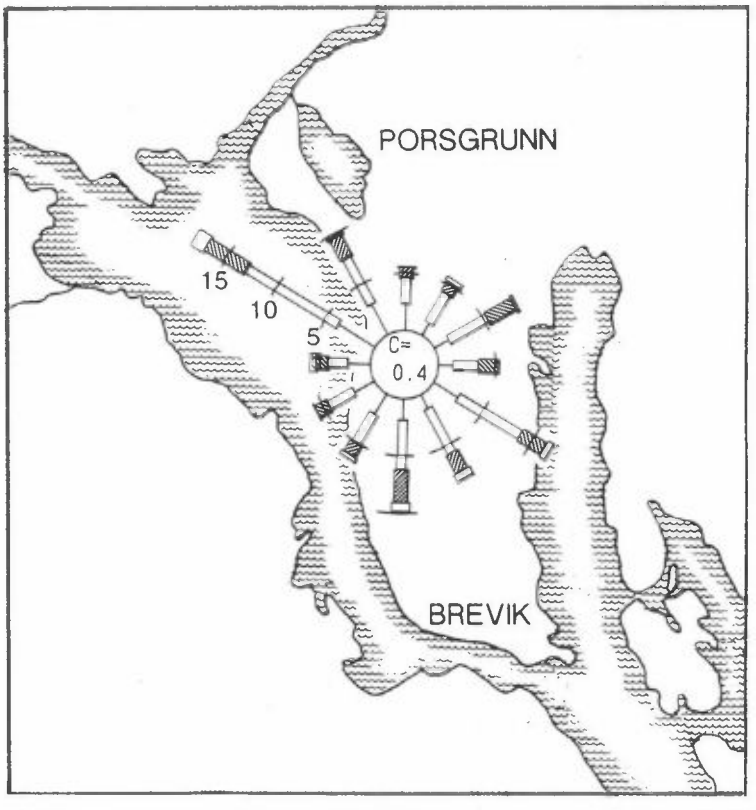
NILU OR: 5/90

NILU OR : 5/90
REFERANSE: O-8365
DATO : JANUAR 1990
ISBN : 82-425-0101-7

METEOROLOGISKE DATA FRA NEDRE TELEMARK, VÅREN 1989

K. Hoem



SAMMENDRAG

På oppdrag fra Statens forurensningstilsyn (SFT) er det foretatt en bearbeiding av de meteorologiske målingene fra Ås i nedre Telemark for perioden 01.03.89-31.05.89.

Våren 1989 blåste det oftest fra vest-nordvest (18%), mens hovedvindretningen for de ti siste vårperiodene var nord-nordvest (15%). Gjennomsnittlig vindstyrke på 3,2 m/s var 0,3 m/s høyere enn tiårsnormalen.

Fordelingen av stabilitetsklassene ga 23% stabil (lett stabil + stabil) temperatursjiktning. Dette avvek endel fra tiårsnormalen som hadde 36% stabil sjiktning. Denne reduserte forekomsten av stabile tilfeller var mest markert ved vind fra nord-nordvest, med 4,5% våren 1989 og en normal på 8,8%. De stabile tilfellene forekom som vanlig oftest om natten ved vinder fra nordvest, mens ustabil sjiktning forekom på dagtid.

Temperaturen for alle tre vårmånedene i 1989 var høyere enn gjennomsnittet de ti siste årene. Mars 1989, med gjennomsnittstemperatur på $3,9^{0}C$ var den varmeste mars måneden som har vært registrert ved Ås siden målingene startet. Middeltemperaturen for mars var $4,1^{0}C$ varmere, april var $1,2^{0}C$ varmere og mai var $0,7^{0}C$ varmere enn gjennomsnittet for de ti siste årene.

INNHOLD

		Side
	SAMMENDRAG	1
1	INNLEDNING	5
2	INSTRUMENTERING, STASJONSPLASSERING	5
3	DATATILGJENGELIGHET/KVALITET	6
4	VINDFORHOLD	7
	4.1 Vindretning	7
	4.2 Vindstyrke	9
	4.3 Vindkast (gust)	10
5	STABILITETSFORHOLD	11
6	FREKVENS AV VIND/STABILITET	12
7	HORISONTAL TURBULENS	14
8	TEMPERATUR	15
9	RELATIV FUKTIGHET	16
10	REFERANSER	18
	VEDLEGG A: Meteorologiske tabeller	21
	VEDLEGG B: Grafisk framstilling av tidsforløp	37
	VEDLEGG C: Liste over timesmidlede meteorologiske data fra Ås. Våren 1989 (01.03.89-31.05.89)	43

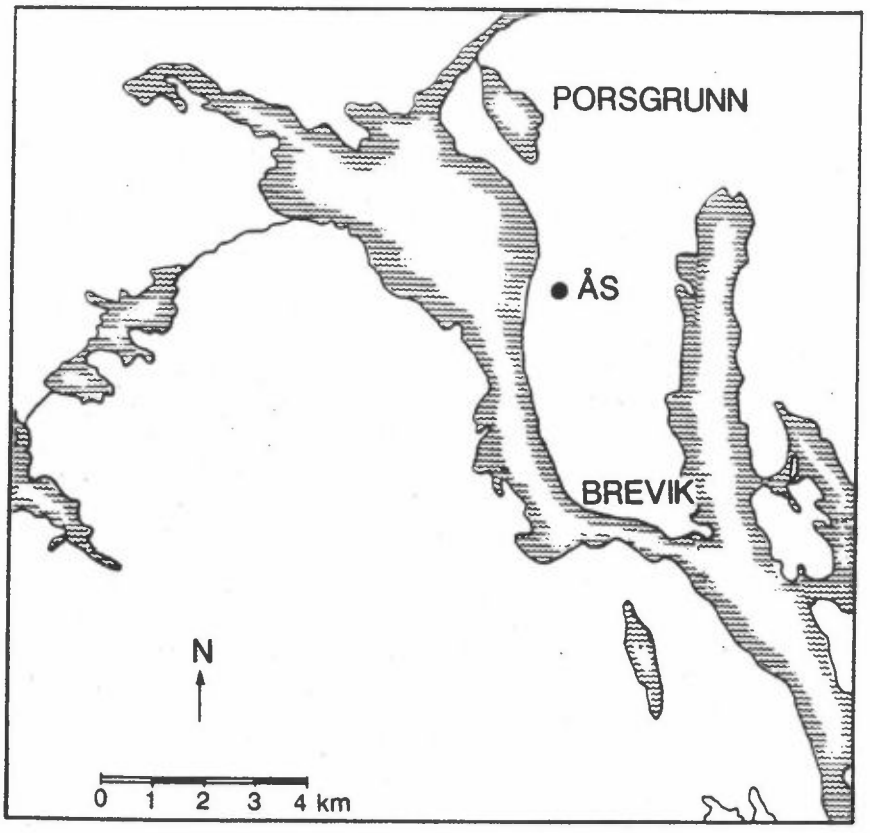
METEOROLOGISKE DATA FRA NEDRE TELEMARK, VÅREN 1989

1 INNLEDNING

Denne presentasjonen av meteorologiske data fra nedre Telemark i perioden 01.03.89-31.05.89 (vår), 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)

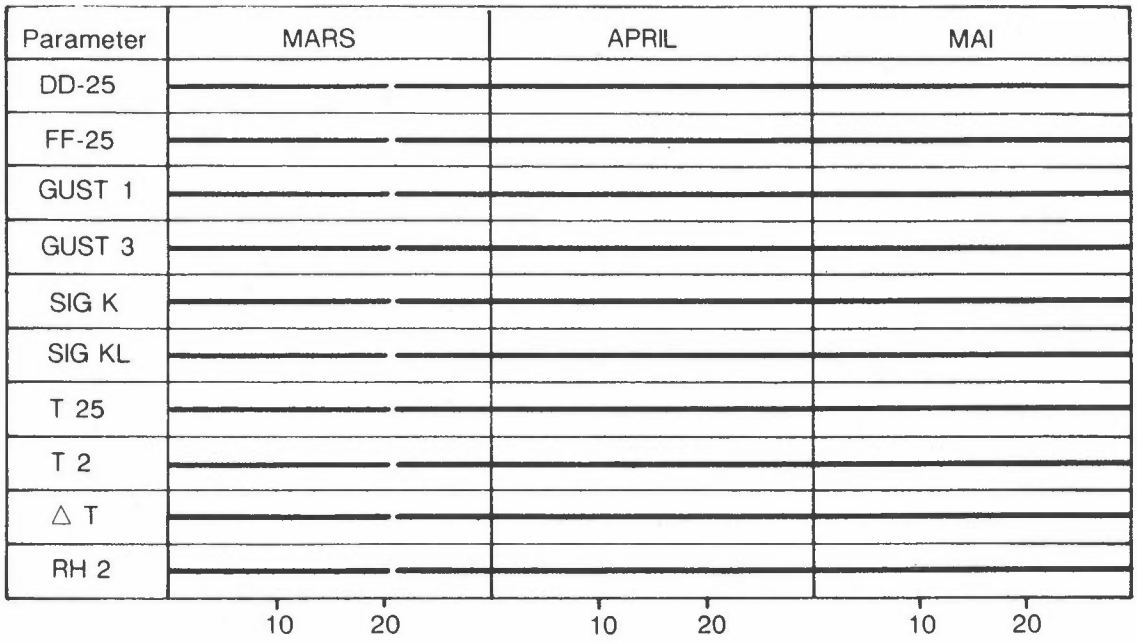
Alle timesmiddelverdiene er presentert i vedlegg C.

3 DATATILGJENGELIGHET/KVALITET

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

Datatilgjengeligheten var 99,6% for alle parametrene.

VÅREN 1989



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

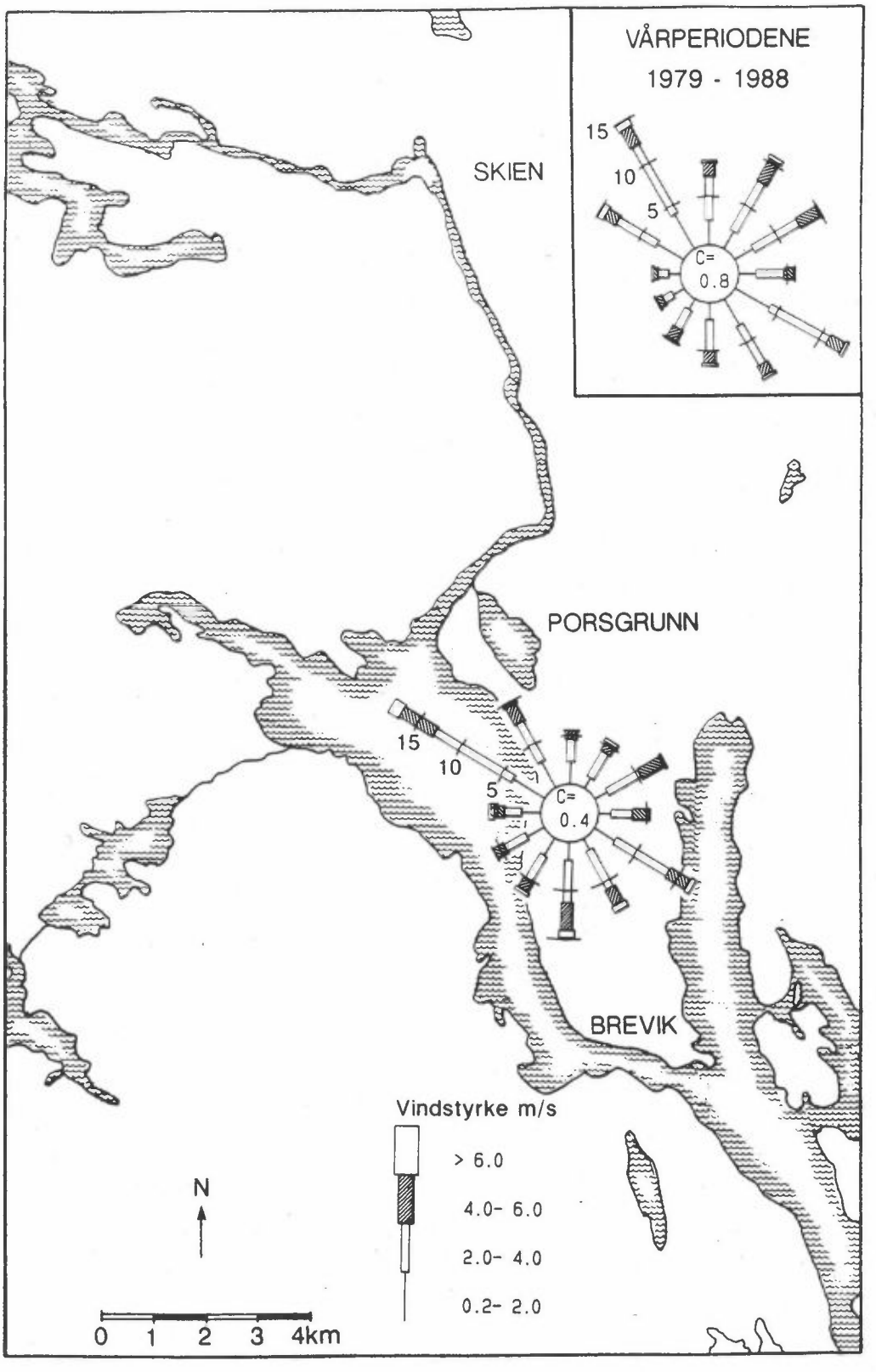
4 VINDFORHOLD

4.1 VINDRETNING

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

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

Våren 1989 blåste det oftest fra vest-nordvest (18%). Dette avviker litt fra vindretningsfordelingen for de ti siste vårperiodene, som ga hovedvindretning nord-nordvest (15%). Dominerende vindretning var i mars vest-nordvest, i april øst-nordøst og i mai vest-nordvest.

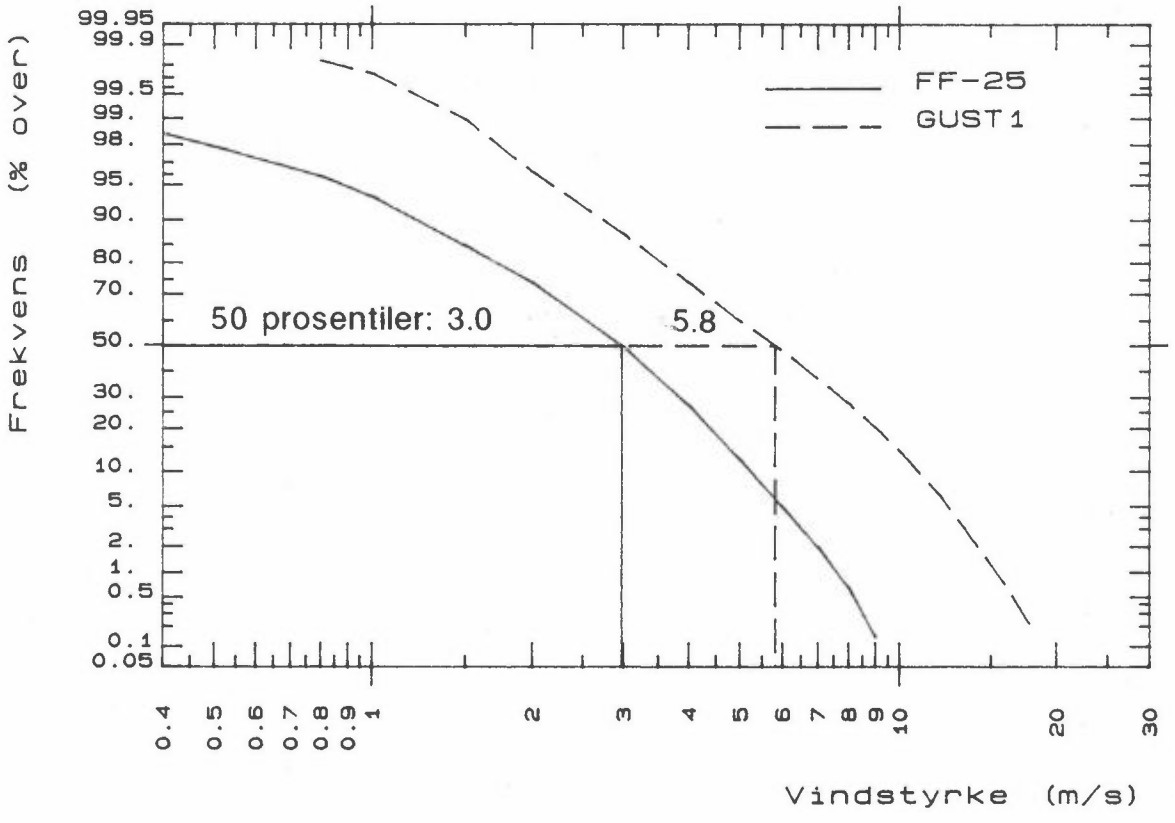


Figur 3: Vindroser (frekvens av vind i % i 12 sektorer) for våren 1989 og for vårperiodene 1979-1988.
C = vindstillefrekvens.

4.2 VINDSTYRKE

Middelvindstyrken for våren 1989 (3,2 m/s) var 0,3 m/s høyere enn gjennomsnittet for vårperiodene 1979-1988. Gjennomsnittlige vindstyrker var for mars 3,1 m/s, april 3,3 m/s og mai 3,2 m/s. Den gjennomsnittlige vindstyrken for mars lå 0,1 m/s over tiårsnormalen, mens april og mai lå 0,3 m/s over.

Figur 4 viser den kvartalsvise vindstyrkefordelingen ved Ås. Vindstyrker over 6 m/s forekom i 5,1% av tiden. Svake vinder, mindre enn 2 m/s, forekom i 24,5% av tiden (gjennomsnittet for de ti siste vårperiodene var 28,1%). I gjennomsnitt blåste det svakest ved vind fra nord (2,6 m/s), og kraftigst blåste det fra sør (3,6 m/s). Middelvindstyrken for våren 1989 var 3,2 m/s, mens 50 prosentilen var 3,0 m/s.

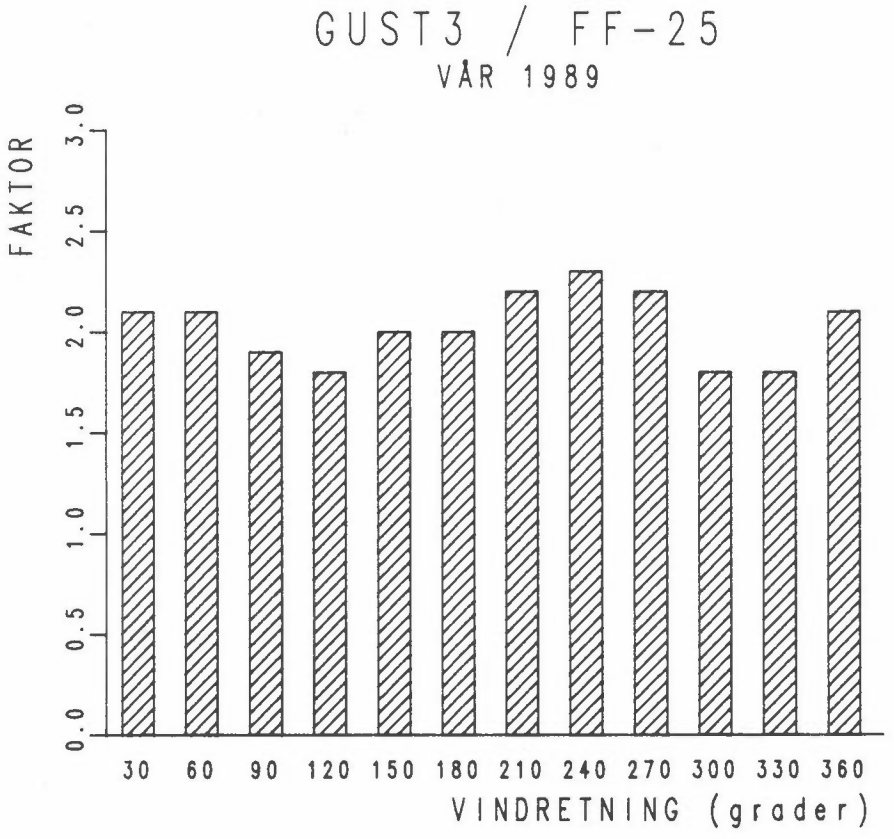


Figur 4: Kumulativ frekvensfordeling av vindstyrke og 1 sekunds gust ved Ås våren 1989. Figuren viser frekvens av vindstyrke større enn verdiene angitt på x-aksen.

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 våren 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 våren 1989 var 2,1, og forholdet var størst ved vind fra vest-sørvest, med faktor 2,3. Den laveste verdien (1,8) ble registrert ved vind fra øst-sørøst, vest-nordvest og nord-nordvest. For vind fra udefinert retning, det vil si vindstyrker lavere enn 0,3 m/s, steg dette forholdet kraftig. Vindfrekvensen var lav (5,7%) i den vindsektoren som hadde høyest GUST3/FF-25 (se figur 3 og 5).



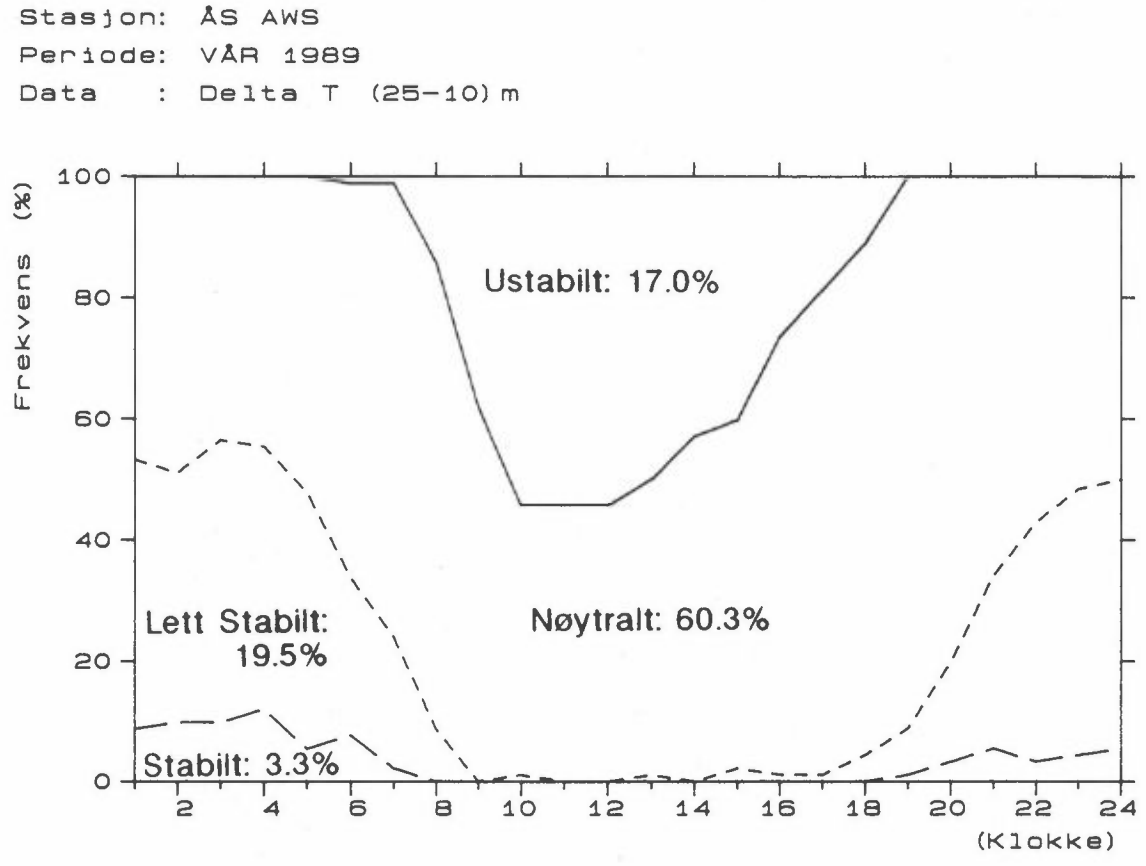
Figur 5: Forholdet mellom 3 sekunds gust (GUST3) og timesmidlet vindstyrke (FF-25) ved de ulike vindretningene, våren 1989.

De kraftigste vindkastene ble registrert 18. mars kl 24 og 25. mars kl 18, og var 19,2 m/s for GUST1 og henholdsvis 18,2 m/s og 17,4 m/s for GUST3. Middelvindstyrkene for disse timenene var henholdsvis 8,6 m/s og 9,2 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 01.03.89-31.05.89.

Våren 1989 var det 3,3% stabil, 19,5% lett stabil, 60,3% nøytral og 17,0% ustabil temperatursjiktning. Denne fordelingen gir langt flere tilfeller av nøytral og ustabil sjiktning enn gjennomsnittet for de ti siste årene, mens det var færre tilfeller av lett stabil og stabilt enn det som tidligere har vært vanlig.

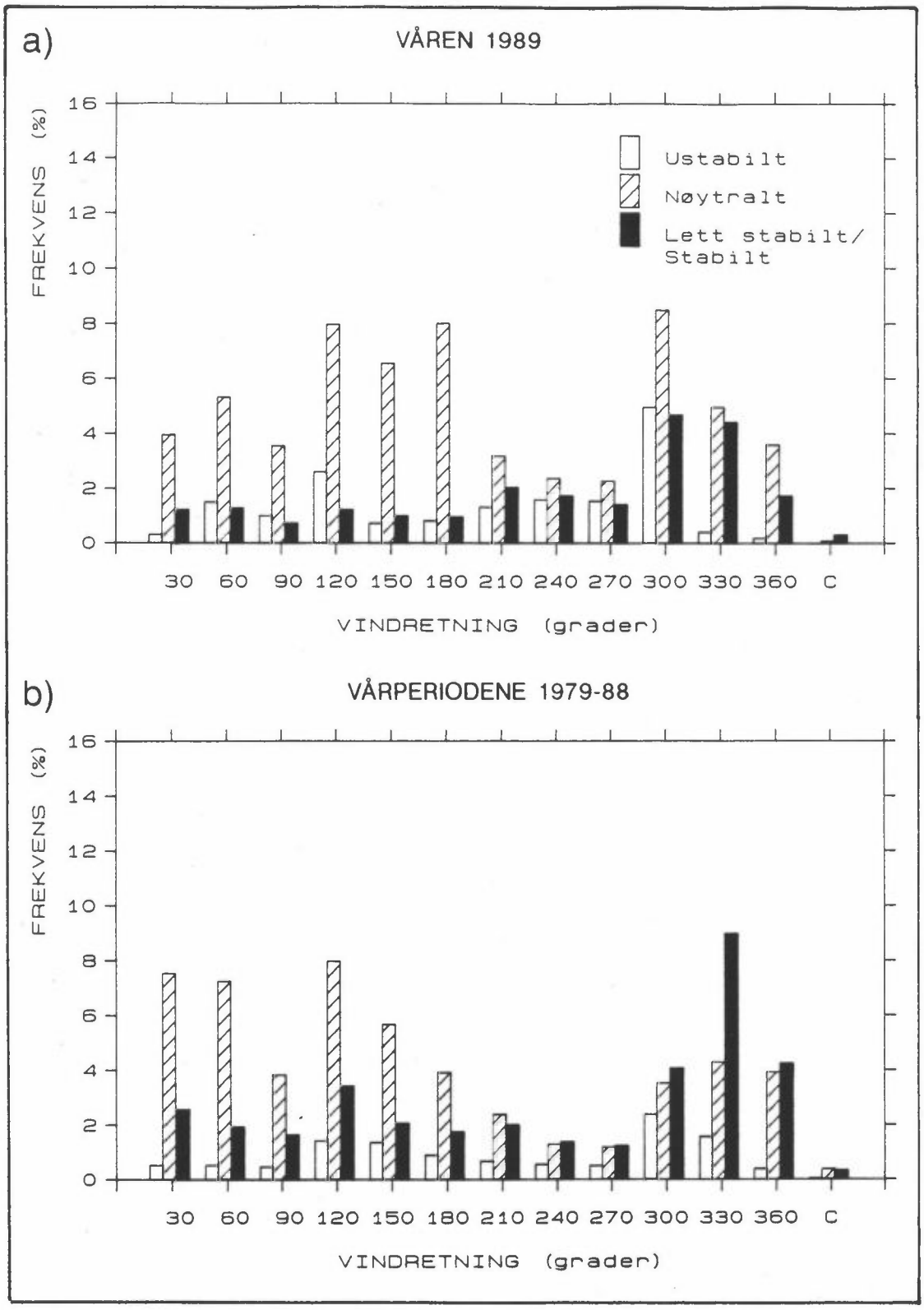
De stabile tilfellene forekom som vanlig oftest om natten, mens ustabil sjiktning forekom på dagtid.

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 våren 1989 og vårperiodene 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) våren 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 oftest ved vind fra vest-nordvest (som normalt).

Vårperiodene 1979-1988 hadde de fleste stabile tilfellene ved vind fra sektoren nord-nordvest. Våren 1989 hadde totalt sett færre tilfeller av stabil sjiktning enn tiårsnormalen. Denne reduserte forekomsten av stabile tilfeller var mest markert ved vind fra sektoren nord-nordvest, med 4,5% våren 1989 og en normal på 8,8%.

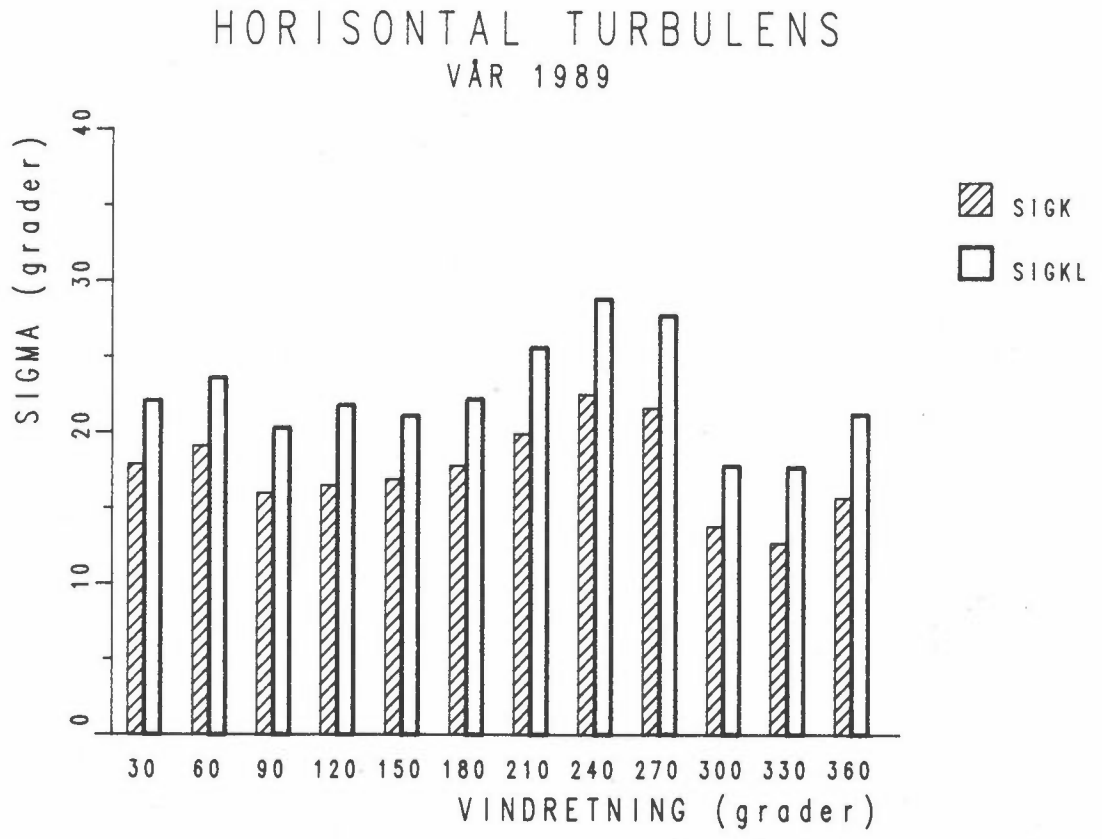


Figur 7: Frekvens av ustabil, nøytral og stabil (lett stabil + stabil) sjiktning som funksjon av vindretningen ved Ås.
a) våren 1989
b) vårperiodene 1979-1988

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 A8. 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.



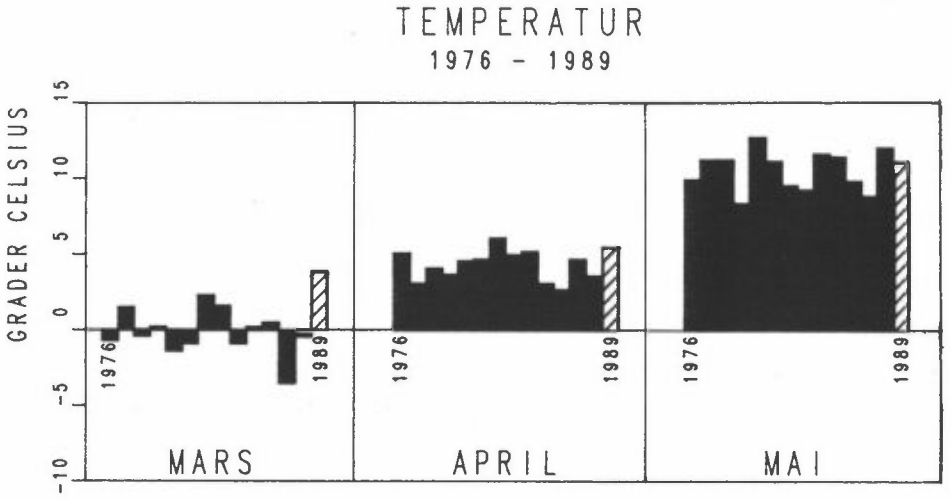
Figur 8: Midlere verdier av horisontal turbulens (σ_θ), (i grader som 5 minutters middel (SIGK) og timesmiddel (SIGKL)) som funksjon av vindretningen, våren 1989.

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 vårmånedene fra 1976 til 1989. Mars 1989 var den varmeste mars måneden i løpet av disse årene.



Figur 9: Månedsvis middeltemperatur for vårmånedene 1976-1989 i ^{0}C.

Tabell 1 viser månedsvis middeltemperatur for våren 1989 sammenlignet med tiårsnormalen for hver måned. Temperaturen for alle tre vårmånedene 1989 var høyere enn gjennomsnittet de ti siste årene. Mars var 4,1^{0}C varmere, april var 1,2^{0}C varmere og mai var 0,7^{0}C varmere enn tiårsnormalen.

Den høyeste temperaturen ble målt den 22.05.89 kl 17 til 20,8^{0}C. Den laveste temperaturen ble målt den 03.04.89 kl 05 til -3,4^{0}C.

Tabell 1: Månedsvis middeltemperatur for våren 1989 og middel for de ti siste årene for de respektive månedene i ^{0}C.

Måned	TEMPERATUR 2 m o.b. (^{0}C)	
	1989	10 års normal 1979-1988
Mars	3,9	- 0,2
April	5,5	4,3
Mai	11,2	10,5

Fullstendig månedsvis temperaturstatistikk for perioden 01.03.89-31.05.89 finnes i tabell A9.

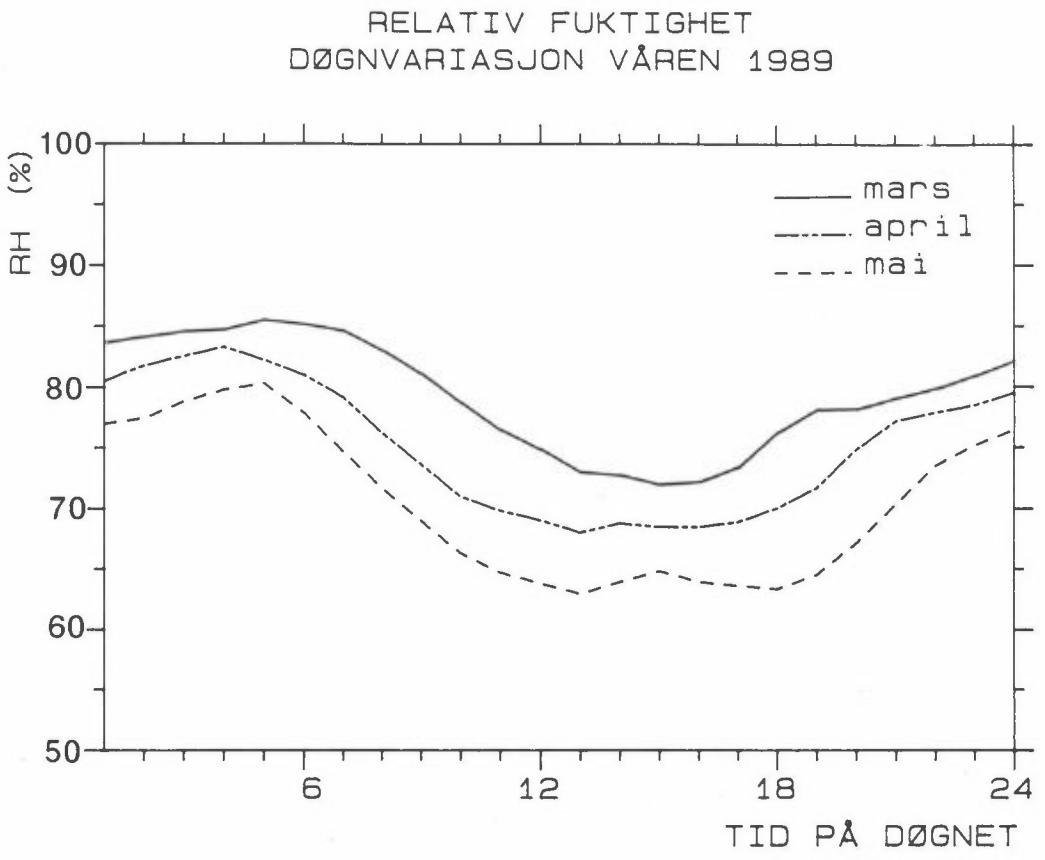
9 RELATIV FUKTIGHET

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

Tabell 2: Månedsvis midlere relativ fuktighet for våren 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
Mars	79	77
April	75	72
Mai	70	75

I figur 10 er relativ fuktighet for hver av vårmånedene fordelt over døgnet. Alle de tre vårmånedene hadde lavest fuktighet om dagen og høyest om natten. Døgnvariasjonen øker med økt solintensitet, og mai hadde derfor størst variasjon. I mars varierte fuktigheten i gjennomsnitt fra 73% om dagen til 85% om natten. I april varierte fuktigheten fra 68% om dagen til 84% om natten, og i mai fra 63% om dagen til 80% om natten.



Figur 10: Døgnfordeling av relativ fuktighet (%) for mars, april og mai 1989.

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

10 REFERANSER

Arnesen, K., Friberg, A.G., Sivertsen, B., Skaug, K. og Hoem, K. (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

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 våren 1989.

Stasjon : AAS
Periode : 01.03.89 - 31.05.89

	FORDELING AV VINDRETNINGER OVER DØGNET (%)								
*) Vind-	Klokkeslett								Vind-
retning	01	04	07	10	13	16	19	22	rose
30	4.3	9.8	5.4	2.2	6.5	4.4	6.6	5.5	5.5
60	4.3	4.3	6.5	9.8	5.4	9.9	12.1	8.8	8.1
90	3.3	.0	2.2	6.5	9.8	7.7	7.7	4.4	5.3
120	3.3	4.3	6.5	16.3	23.9	14.3	13.2	6.6	11.8
150	15.2	3.3	4.3	7.6	5.4	14.3	8.8	9.9	8.3
180	2.2	8.7	9.8	8.7	16.3	14.3	13.2	9.9	9.8
210	6.5	6.5	8.7	3.3	4.3	4.4	6.6	8.8	6.5
240	8.7	6.5	.0	4.3	4.3	3.3	6.6	6.6	5.7
270	6.5	4.3	2.2	4.3	7.6	6.6	8.8	9.9	5.2
300	15.2	23.9	27.2	19.6	10.9	15.4	14.3	13.2	18.1
330	19.6	25.0	15.2	6.5	1.1	2.2	2.2	8.8	9.8
360	8.7	3.3	9.8	9.8	4.3	3.3	.0	7.7	5.5
Stille	2.2	.0	2.2	1.1	.0	.0	.0	.0	.4
Ant.obs	(92)	(92)	(92)	(92)	(92)	(91)	(91)	(91)	(2199)
Midlere vind m/s	2.7	2.7	2.7	3.1	3.8	4.1	3.5	2.9	3.2

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-	Klasser						Midlere
retning	I	II	III	IV	Total	Nobs	vind m/s
30	1.2	3.0	1.0	.4	5.5	(121)	3.1
60	1.5	3.8	2.6	.2	8.1	(178)	3.4
90	1.3	2.2	1.8	.0	5.3	(116)	3.1
120	2.5	6.4	2.4	.5	11.8	(259)	3.2
150	1.3	4.5	1.8	.7	8.3	(182)	3.5
180	1.8	4.4	2.8	.8	9.8	(215)	3.6
210	2.0	3.0	1.1	.4	6.5	(144)	2.9
240	2.0	2.5	1.2	.1	5.7	(125)	2.8
270	1.9	1.7	1.0	.6	5.2	(115)	3.2
300	3.7	9.2	4.0	1.2	18.1	(399)	3.4
330	3.0	4.5	2.0	.2	9.8	(215)	2.9
360	2.3	2.3	.9	.0	5.5	(121)	2.6
Stille					.4	(9)	
Total	24.5	47.3	22.6	5.1	100.0	(2199)	
Midlere vind m/s	1.3	3.0	4.8	7.0			3.2

*) Dette tallet angir sentrum av vindsektor

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

Stasjon : AAS
Periode : 01.03.79 - 31.05.88

	FORDELING AV VINDRETNINGER OVER DØGNET (%)								
*) Vind-	Klokkeslett								Vind-
retning	01	04	07	10	13	16	19	22	rose
30	9.1	8.5	12.0	12.6	10.1	12.2	11.2	8.6	10.6
60	10.2	10.0	10.5	11.0	10.1	9.0	10.7	9.2	10.0
90	5.3	5.0	4.7	5.1	7.5	5.5	6.1	7.3	5.7
120	8.0	6.1	7.2	14.3	20.0	19.1	16.2	13.1	12.9
150	6.5	5.0	5.0	7.7	14.2	15.4	12.7	5.6	9.2
180	4.5	5.0	3.5	4.0	7.5	11.5	9.3	5.9	6.5
210	5.5	4.1	4.2	4.2	4.1	5.6	7.3	5.9	5.0
240	3.2	2.2	2.2	3.1	2.7	3.9	3.8	3.8	3.2
270	2.5	2.2	2.3	3.2	3.4	2.7	3.0	3.5	2.9
300	9.8	11.4	12.4	14.3	9.7	4.9	5.6	10.2	9.8
330	21.9	26.7	24.9	13.0	5.7	5.9	7.2	14.2	14.9
360	12.3	13.1	10.0	6.8	4.7	4.3	6.1	11.9	8.6
Stille	1.1	.9	1.0	.7	.2	.1	.9	.8	.8
Ant.obs	(875)	(881)	(876)	(874)	(879)	(879)	(875)	(876)	(****)
Midlere vind m/s	2.8	2.8	2.7	2.9	3.4	3.5	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-	Klasser						Midlere
retning	I	II	III	IV	Total	Nobs	vind m/s
30	2.0	5.7	2.5	.4	10.6	(2236)	3.2
60	2.2	5.3	2.4	.1	10.0	(2092)	3.1
90	1.8	2.8	1.0	.1	5.7	(1208)	2.8
120	4.1	6.8	1.7	.3	12.9	(2704)	2.7
150	3.1	4.6	1.2	.3	9.2	(1929)	2.8
180	1.7	3.3	1.3	.3	6.5	(1369)	3.1
210	1.2	2.2	1.3	.3	5.0	(1052)	3.3
240	1.2	1.1	.7	.2	3.2	(662)	2.8
270	1.1	1.0	.5	.2	2.9	(610)	2.9
300	3.1	4.6	1.4	.6	9.8	(2057)	2.9
330	4.1	8.1	2.0	.8	14.9	(3121)	3.0
360	2.5	4.5	1.4	.3	8.6	(1814)	2.9
Stille					.8	(158)	
Total	28.1	50.0	17.3	3.8	100.0	(****)	
Midlere vind m/s	1.3	2.9	4.7	7.1			2.9

*) Dette tallet angir sentrum av vindsektor

Tabell A3: a) Vindfrekvenser (vindrose) fra Ås for mars 1989.
b) Vindfrekvenser (vindrose) fra Ås for april 1989.
c) Vindfrekvenser (vindrose) fra Ås for mai 1989.

a) Stasjon : AAS
Periode : 01.03.89 - 31.03.89

	FORDELING AV VINDRETNINGER OVER DØGNET (%)								
*) Vind-	Klokkeslett								Vind-
retning	01	04	07	10	13	16	19	22	rose
30	.0	9.7	.0	.0	6.5	6.7	6.7	6.7	3.5
60	3.2	.0	.0	6.5	3.2	3.3	6.7	.0	3.8
90	3.2	.0	6.5	6.5	6.5	3.3	6.7	6.7	5.2
120	6.5	9.7	9.7	19.4	19.4	16.7	16.7	3.3	12.2
150	19.4	3.2	6.5	3.2	3.2	13.3	10.0	10.0	8.2
180	3.2	16.1	12.9	16.1	12.9	13.3	6.7	13.3	11.6
210	12.9	9.7	16.1	6.5	12.9	10.0	6.7	13.3	10.5
240	6.5	6.5	.0	.0	3.2	3.3	13.3	6.7	7.9
270	6.5	3.2	.0	6.5	16.1	13.3	13.3	13.3	7.2
300	16.1	19.4	29.0	22.6	16.1	13.3	10.0	16.7	18.5
330	12.9	19.4	12.9	3.2	.0	.0	3.3	6.7	7.1
360	6.5	3.2	3.2	9.7	.0	3.3	.0	3.3	3.9
Stille	3.2	.0	3.2	.0	.0	.0	.0	.0	.4
Ant.obs	(31)	(31)	(31)	(31)	(31)	(30)	(30)	(30)	(735)
Midlere vind m/s	2.6	2.6	2.9	2.6	3.5	3.9	3.4	3.0	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-	Klasser						Midlere
retning	I	II	III	IV	Total	Nobs	vind m/s
30	1.8	.8	1.0	.0	3.5	(26)	2.4
60	2.2	1.6	.0	.0	3.8	(28)	1.9
90	2.9	1.6	.7	.0	5.2	(38)	2.2
120	3.1	6.0	2.7	.4	12.2	(90)	3.1
150	1.6	4.2	1.4	1.0	8.2	(60)	3.5
180	2.2	4.5	2.9	2.0	11.6	(85)	3.9
210	3.5	4.5	1.5	1.0	10.5	(77)	3.0
240	2.0	3.8	1.8	.3	7.9	(58)	3.0
270	2.0	2.3	1.5	1.4	7.2	(53)	3.6
300	4.6	8.3	3.3	2.3	18.5	(136)	3.5
330	3.8	2.6	.5	.1	7.1	(52)	2.3
360	3.0	.7	.3	.0	3.9	(29)	1.6
Stille					.4	(3)	
Total	32.8	41.0	17.4	8.4	100.0	(735)	
Midlere vind m/s	1.4	2.9	4.8	7.3			3.1

*) Dette tallet angir sentrum av vindsektor

b) Stasjon : AAS
Periode : 01.04.89 - 30.04.89

FORDELING AV VINDRETNINGER OVER DØGNET (%)

*) Vind-retning	Klokkeslett 01	04	07	10	13	16	19	22	Vind-rose
30	10.0	13.3	16.7	3.3	13.3	6.7	10.0	6.7	11.7
60	10.0	13.3	13.3	23.3	13.3	26.7	26.7	23.3	18.5
90	6.7	.0	.0	10.0	20.0	13.3	13.3	6.7	8.9
120	3.3	.0	.0	6.7	20.0	10.0	16.7	10.0	8.5
150	13.3	6.7	6.7	6.7	6.7	16.7	.0	6.7	8.8
180	.0	6.7	6.7	6.7	10.0	6.7	13.3	10.0	5.7
210	3.3	.0	.0	.0	.0	3.3	6.7	6.7	2.6
240	3.3	.0	.0	3.3	3.3	3.3	3.3	3.3	2.9
270	3.3	3.3	.0	.0	3.3	.0	6.7	3.3	2.1
300	10.0	16.7	23.3	16.7	.0	3.3	3.3	6.7	12.2
330	26.7	33.3	13.3	10.0	.0	3.3	.0	6.7	10.1
360	10.0	6.7	20.0	10.0	10.0	6.7	.0	10.0	7.9
Stille	.0	.0	.0	3.3	.0	.0	.0	.0	.1
Ant.obs	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(720)
Midlere vind m/s	3.0	3.1	2.9	3.3	3.7	3.9	3.1	2.7	3.3

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	1.1	7.4	2.1	1.1	11.7	(84)	3.5
60	1.4	8.8	7.6	.7	18.5	(133)	3.8
90	.3	4.3	4.3	.0	8.9	(64)	3.8
120	1.2	4.2	1.9	1.1	8.5	(61)	3.8
150	1.0	4.6	2.1	1.1	8.8	(63)	3.9
180	1.0	2.9	1.7	.1	5.7	(41)	3.3
210	.7	1.4	.4	.1	2.6	(19)	2.6
240	1.5	1.2	.1	.0	2.9	(21)	2.2
270	1.5	.4	.1	.0	2.1	(15)	1.7
300	3.9	7.4	1.0	.0	12.2	(88)	2.5
330	2.4	6.9	.8	.0	10.1	(73)	2.6
360	2.1	4.9	1.0	.0	7.9	(57)	2.8
Stille					.1	(1)	
Total	18.1	54.3	23.2	4.3	100.0	(720)	
Midlere vind m/s	1.4	3.0	4.7	6.7			3.3

*) Dette tallet angir sentrum av vindsektor

c) Stasjon : AAS
Periode : 01.05.89 - 31.05.89

FORDELING AV VINDRETNINGER OVER DØGNET (%)

*) Vind-retning	Klokkeslett 01	04	07	10	13	16	19	22	Vind-rose
30	3.2	6.5	.0	3.2	.0	.0	3.2	3.2	1.5
60	.0	.0	6.5	.0	.0	.0	3.2	3.2	2.3
90	.0	.0	.0	3.2	3.2	6.5	3.2	.0	1.9
120	.0	3.2	9.7	22.6	32.3	16.1	6.5	6.5	14.5
150	12.9	.0	.0	12.9	6.5	12.9	16.1	12.9	7.9
180	3.2	3.2	9.7	3.2	25.8	22.6	19.4	6.5	12.0
210	3.2	9.7	9.7	3.2	.0	.0	6.5	6.5	6.5
240	16.1	12.9	.0	9.7	6.5	3.2	3.2	9.7	6.2
270	9.7	6.5	6.5	6.5	3.2	6.5	6.5	12.9	6.3
300	19.4	35.5	29.0	19.4	16.1	29.0	29.0	16.1	23.5
330	19.4	22.6	19.4	6.5	3.2	3.2	3.2	12.9	12.1
360	9.7	.0	6.5	9.7	3.2	.0	.0	9.7	4.7
Stille	3.2	.0	3.2	.0	.0	.0	.0	.0	.7
Ant.obs	(31)	(31)	(31)	(31)	(31)	(31)	(31)	(31)	(744)
Midlere vind m/s	2.5	2.5	2.3	3.2	4.0	4.3	4.0	3.0	3.2

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	.7	.8	.0	.0	1.5	(11)	2.0
60	.8	1.2	.3	.0	2.3	(17)	2.5
90	.8	.7	.4	.0	1.9	(14)	2.4
120	3.1	8.9	2.4	.1	14.5	(108)	3.0
150	1.3	4.6	2.0	.0	7.9	(59)	3.1
180	2.3	5.6	3.9	.1	12.0	(89)	3.4
210	1.9	3.1	1.5	.0	6.5	(48)	2.9
240	2.3	2.3	1.6	.0	6.2	(46)	2.8
270	2.2	2.3	1.5	.4	6.3	(47)	3.1
300	2.7	12.0	7.5	1.3	23.5	(175)	3.7
330	2.8	4.2	4.6	.5	12.1	(90)	3.4
360	1.7	1.3	1.5	.1	4.7	(35)	3.0
Stille					.7	(5)	
Total	22.6	46.9	27.2	2.7	100.0	(744)	
Midlere vind m/s	1.3	3.0	4.8	6.5			3.2

*) 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 våren 1989.

Stasjon : AAS
Parameter: Temperatur differanse (DT)
Enhet : Grader C
Periode : 01.03.89 - 31.05.89

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

	Klasser			
Time	I	II	III	IV
01	.0	46.7	44.6	8.7
02	.0	48.9	41.3	9.8
03	.0	43.5	46.7	9.8
04	.0	44.6	43.5	12.0
05	.0	52.2	42.4	5.4
06	1.1	65.2	26.1	7.6
07	1.1	75.0	21.7	2.2
08	14.1	77.2	8.7	.0
09	38.0	62.0	.0	.0
10	54.3	44.6	1.1	.0
11	54.3	45.7	.0	.0
12	54.3	45.7	.0	.0
13	50.0	48.9	1.1	.0
14	42.9	57.1	.0	.0
15	40.2	57.6	2.2	.0
16	26.4	72.5	1.1	.0
17	18.7	80.2	1.1	.0
18	11.0	84.6	4.4	.0
19	.0	91.2	7.7	1.1
20	.0	80.2	16.5	3.3
21	.0	65.9	28.6	5.5
22	.0	57.1	39.6	3.3
23	.0	51.6	44.0	4.4
24	.0	50.0	44.6	5.4
Total	17.0	60.3	19.5	3.3

Antall obs : 2199
Manglende obs: 9

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) mars 1989 b) april 1989 c) mai 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 : 01.03.89 - 31.03.89

	Klasser			
Time	I	II	III	IV
01	.0	58.1	41.9	.0
02	.0	64.5	29.0	6.5
03	.0	58.1	41.9	.0
04	.0	58.1	38.7	3.2
05	.0	51.6	48.4	.0
06	.0	48.4	41.9	9.7
07	.0	58.1	38.7	3.2
08	6.5	83.9	9.7	.0
09	25.8	74.2	.0	.0
10	45.2	54.8	.0	.0
11	48.4	51.6	.0	.0
12	38.7	61.3	.0	.0
13	38.7	58.1	3.2	.0
14	36.7	63.3	.0	.0
15	35.5	58.1	6.5	.0
16	20.0	76.7	3.3	.0
17	13.3	83.3	3.3	.0
18	.0	86.7	13.3	.0
19	.0	73.3	23.3	3.3
20	.0	66.7	23.3	10.0
21	.0	63.3	30.0	6.7
22	.0	60.0	36.7	3.3
23	.0	66.7	30.0	3.3
24	.0	64.5	32.3	3.2
Total	12.9	64.2	20.7	2.2

Antall obs : 735
Manglende obs: 9

b) Stasjon : AAS
Parameter: Temperatur differanse (DT)
Enhet : Grader C
Periode : 01.04.89 - 30.04.89

Time	Klasser I	II	III	IV
01	.0	50.0	43.3	6.7
02	.0	53.3	40.0	6.7
03	.0	50.0	33.3	16.7
04	.0	46.7	40.0	13.3
05	.0	63.3	26.7	10.0
06	.0	73.3	16.7	10.0
07	.0	83.3	16.7	.0
08	10.0	83.3	6.7	.0
09	33.3	66.7	.0	.0
10	46.7	50.0	3.3	.0
11	46.7	53.3	.0	.0
12	50.0	50.0	.0	.0
13	40.0	60.0	.0	.0
14	33.3	66.7	.0	.0
15	40.0	60.0	.0	.0
16	26.7	73.3	.0	.0
17	16.7	83.3	.0	.0
18	13.3	86.7	.0	.0
19	.0	100.0	.0	.0
20	.0	76.7	23.3	.0
21	.0	56.7	36.7	6.7
22	.0	60.0	40.0	.0
23	.0	50.0	50.0	.0
24	.0	53.3	43.3	3.3
Total	14.9	64.6	17.5	3.1

Antall obs : 720
Manglende obs: 0

c) Stasjon : AAS
Parameter: Temperatur differanse (DT)
Enhet : Grader C
Periode : 01.05.89 - 31.05.89

Time	Klasser I	II	III	IV
01	.0	32.3	48.4	19.4
02	.0	29.0	54.8	16.1
03	.0	22.6	64.5	12.9
04	.0	29.0	51.6	19.4
05	.0	41.9	51.6	6.5
06	3.2	74.2	19.4	3.2
07	3.2	83.9	9.7	3.2
08	25.8	64.5	9.7	.0
09	54.8	45.2	.0	.0
10	71.0	29.0	.0	.0
11	67.7	32.3	.0	.0
12	74.2	25.8	.0	.0
13	71.0	29.0	.0	.0
14	58.1	41.9	.0	.0
15	45.2	54.8	.0	.0
16	32.3	67.7	.0	.0
17	25.8	74.2	.0	.0
18	19.4	80.6	.0	.0
19	.0	100.0	.0	.0
20	.0	96.8	3.2	.0
21	.0	77.4	19.4	3.2
22	.0	51.6	41.9	6.5
23	.0	38.7	51.6	9.7
24	.0	32.3	58.1	9.7
Total	23.0	52.3	20.2	4.6

Antall obs : 744
Manglende obs: 0

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

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

a)

FREKVENSFORDELING SOM FUNKSJON AV VINDRETNING, VINDSTYRKE OG STABILITET

Periode : 01.03.89 - 31.05.89
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	.6	.5	.0	.1	2.1	.7	.0	.1	.9	.0	.0	.0	.3	.0	.0	5.5
60	.0	.9	.5	.0	.4	2.7	.7	.0	.9	1.6	.0	.0	.1	.1	.0	.0	8.1
90	.0	.8	.4	.1	.6	1.4	.2	.0	.4	1.4	.0	.0	.0	.0	.0	.0	5.3
120	.5	1.2	.6	.2	1.5	4.5	.4	.0	.6	1.8	.0	.0	.0	.5	.0	.0	11.8
150	.1	.8	.3	.0	.4	3.5	.6	.0	.2	1.6	.0	.0	.0	.7	.0	.0	8.3
180	.0	1.0	.7	.0	.4	3.8	.2	.0	.4	2.4	.0	.0	.0	.7	.0	.0	9.8
210	.3	.6	.9	.3	.6	1.5	.9	.0	.4	.8	.0	.0	.0	.3	.0	.0	6.5
240	.3	.6	.8	.2	.7	1.0	.6	.0	.5	.7	.0	.0	.0	.0	.0	.0	5.7
270	.3	.7	.7	.1	.6	.5	.5	.0	.4	.6	.0	.0	.2	.4	.0	.0	5.2
300	.7	1.5	1.2	.3	2.7	3.8	2.4	.3	1.4	2.1	.5	.0	.2	1.0	.0	.0	18.1
330	.2	1.0	1.4	.5	.1	2.1	1.9	.5	.1	1.7	.2	.0	.0	.2	.0	.0	9.8
360	.0	1.1	.8	.3	.1	1.5	.5	.1	.0	.9	.0	.0	.0	.0	.0	.0	5.5
Stille	.0	.1	.3	.0													.4
Total	2.5	11.0	9.2	2.2	8.4	28.5	9.5	1.0	5.4	16.4	.8	.0	.7	4.4	.0	.0	100.0
Forekomst		24.9 %				47.3 %				22.6 %				5.1 %			100.0 %
Vindstyrke		1.3 m/s				3.0 m/s				4.8 m/s				7.0 m/s			3.2 m/s

Fordeling på stabilitetsklasser

	Klasse I	Klasse II	Klasse III	Klasse IV	
Forekomst	17.0 %	60.3 %	19.5 %	3.3 %	100.0 %

Antall obs. : 2199
Manglende obs.: 9

b)

FREKVENSFORDELING SOM FUNKSJON AV VINDRETNING, VINDSTYRKE OG STABILITET

Periode : 01.03.79 - 31.05.88
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	.0	1.1	.7	.2	.3	4.0	1.3	.1	.2	2.1	.3	.0	.0	.4	.0	.0	10.6
60	.1	1.3	.6	.1	.3	3.8	1.0	.0	.2	2.0	.2	.0	.0	.1	.0	.0	9.7
90	.1	1.0	.6	.1	.2	1.9	.7	.0	.1	.8	.2	.0	.0	.1	.0	.0	5.9
120	.4	2.1	1.1	.3	.8	4.3	1.5	.2	.2	1.3	.2	.0	.0	.3	.0	.0	12.8
150	.3	1.6	.9	.3	.8	2.9	.7	.1	.2	1.0	.2	.0	.0	.2	.0	.0	9.1
180	.2	.8	.6	.1	.4	2.0	.7	.1	.2	.9	.2	.0	.0	.2	.0	.0	6.6
210	.1	.5	.4	.1	.3	1.0	.9	.1	.2	.8	.4	.0	.0	.1	.1	.0	5.1
240	.2	.4	.5	.1	.1	.4	.5	.0	.1	.3	.2	.0	.0	.1	.0	.0	3.2
270	.2	.4	.4	.1	.1	.3	.4	.1	.1	.3	.1	.0	.0	.1	.0	.0	2.9
300	.9	1.1	.8	.3	1.1	1.5	1.7	.5	.3	.6	.5	.1	.1	.4	.1	.0	10.0
330	.6	1.3	1.4	.7	.5	1.8	3.4	2.3	.2	.8	.8	.1	.2	.4	.1	.0	14.8
360	.1	.8	1.0	.6	.2	1.9	1.7	.6	.1	1.0	.3	.0	.0	.2	.0	.0	8.6
Stille	.0	.4	.2	.1													.7
Total	3.3	12.8	9.4	3.3	5.3	25.8	14.5	4.2	2.1	11.8	3.3	.3	.6	2.7	.6	.0	100.0
Forekomst		28.8 %				49.7 %				17.5 %				4.0 %			100.0 %
Vindstyrke		1.3 m/s				2.9 m/s				4.7 m/s				7.1 m/s			2.9 m/s

Fordeling på stabilitetsklasser

	Klasse I	Klasse II	Klasse III	Klasse IV	
Forekomst	11.3 %	53.1 %	27.8 %	7.8 %	100.0 %

Antall obs. :20040
Manglende obs.: 2040

Tabell A7: Frekvens (i %) av vind og stabilitet på Ås:
a) mars 1989 b) april 1989 c) mai 1989

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

a)

FREKVENSFORDELING SOM FUNKSJON AV VINDRETNING, VINDSTYRKE OG STABILITET

Periode : 01.03.89 - 31.03.89
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	1.0	.8	.0	.0	.7	.1	.0	.0	1.0	.0	.0	.0	.0	.0	.0	3.5
60	.0	1.4	.8	.0	.1	1.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8
90	.0	2.0	.7	.1	.1	1.2	.3	.0	.1	.5	.0	.0	.0	.0	.0	.0	5.2
120	.4	1.5	1.1	.1	.3	5.6	.1	.0	.0	2.7	.0	.0	.0	.4	.0	.0	12.2
150	.3	1.2	.1	.0	.0	3.8	.4	.0	.1	1.2	.0	.0	.0	1.0	.0	.0	8.2
180	.1	1.1	.8	.1	.0	4.2	.3	.0	.0	2.9	.0	.0	.0	2.0	.0	.0	11.6
210	.5	1.0	1.4	.7	.8	1.6	2.0	.0	.4	1.1	.0	.0	.0	1.0	.0	.0	10.5
240	.3	.4	1.2	.1	1.4	1.5	.8	.1	.8	1.0	.0	.0	.1	.1	.0	.0	7.9
270	.7	.8	.4	.1	.7	.7	1.0	.0	.7	.7	.1	.0	.4	1.0	.0	.0	7.2
300	.5	2.0	1.8	.3	2.2	4.1	1.8	.3	1.1	1.9	.3	.0	.4	1.9	.0	.0	18.5
330	.1	2.0	1.6	.0	.0	1.5	1.0	.1	.1	.3	.1	.0	.0	.1	.0	.0	7.1
360	.0	1.8	1.2	.0	.0	.7	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	3.9
Stille	.0	.3	.1	.0													.4
Total	3.0	16.5	12.1	1.6	5.6	26.8	8.0	.5	3.4	13.5	.5	.0	1.0	7.5	.0	.0	100.0
Forekomst	33.2 %				41.0 %				17.4 %				8.4 %				100.0 %
Vindstyrke	1.3 m/s				2.9 m/s				4.8 m/s				7.3 m/s				3.1 m/s

Fordeling på stabilitetsklasser

	Klasse I	Klasse II	Klasse III	Klasse IV	
Forekomst	12.9 %	64.2 %	20.7 %	2.2 %	100.0 %

Antall obs. : 735
Manglende obs.: 9

b)

FREKVENSFORDELING SOM FUNKSJON AV VINDRETNING, VINDSTYRKE OG STABILITET

Periode : 01.04.89 - 30.04.89
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	.1	.1	.3	5.1	1.9	.0	.4	1.7	.0	.0	.1	1.0	.0	.0	11.7
60	.1	.7	.6	.0	1.1	6.0	1.7	.0	2.5	5.0	.1	.0	.4	.3	.0	.0	18.5
90	.0	.1	.1	.0	1.4	2.6	.3	.0	1.1	3.2	.0	.0	.0	.0	.0	.0	8.9
120	.0	1.1	.1	.0	.6	3.5	.1	.0	.4	1.5	.0	.0	.0	1.1	.0	.0	8.5
150	.1	.4	.4	.0	.4	3.8	.4	.0	.1	1.9	.0	.0	.0	1.1	.0	.0	8.8
180	.0	.7	.3	.0	.1	2.8	.0	.0	.3	1.4	.0	.0	.0	.1	.0	.0	5.7
210	.0	.3	.4	.0	.0	1.1	.1	.1	.3	.1	.0	.0	.1	.0	.0	.0	2.6
240	.3	.6	.6	.1	.6	.6	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	2.9
270	.0	.8	.6	.1	.4	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	2.1
300	1.0	1.1	1.4	.4	1.9	3.5	1.4	.6	.1	.7	.1	.0	.0	.0	.0	.0	12.2
330	.1	.1	1.5	.6	.1	3.2	3.1	.6	.0	.8	.0	.0	.0	.0	.0	.0	10.1
360	.0	1.1	.8	.1	.1	3.5	1.0	.3	.0	1.0	.0	.0	.0	.0	.0	.0	7.9
Stille	.0	.0	.1	.0													.1
Total	1.7	7.9	7.1	1.5	7.1	35.6	10.1	1.5	5.4	17.5	.3	.0	.7	3.6	.0	.0	100.0
Forekomst	18.2 %				54.3 %				23.2 %				4.3 %				100.0 %
Vindstyrke	1.4 m/s				3.0 m/s				4.7 m/s				6.7 m/s				3.3 m/s

Fordeling på stabilitetsklasser

	Klasse I	Klasse II	Klasse III	Klasse IV	
Forekomst	14.9 %	64.6 %	17.5 %	3.1 %	100.0 %

Antall obs. : 720
Manglende obs.: 0

c)

FREKVENSFORDELING SOM FUNKSJON AV VINDRETNING, VINDSTYRKE OG STABILITET

Periode : 01.05.89 - 31.05.89
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	.1	.5	.0	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5
60	.0	.5	.3	.0	.0	1.1	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	2.3
90	.0	.3	.4	.1	.3	.3	.0	.1	.0	.4	.0	.0	.0	.0	.0	.0	1.9
120	.9	1.1	.7	.4	3.6	4.3	.8	.1	1.3	1.1	.0	.0	.1	.0	.0	.0	14.5
150	.0	.8	.4	.1	.7	2.8	1.1	.0	.4	1.6	.0	.0	.0	.0	.0	.0	7.9
180	.0	1.3	.9	.0	.9	4.4	.3	.0	.8	3.0	.1	.0	.1	.0	.0	.0	12.0
210	.3	.7	.8	.1	1.1	1.6	.4	.0	.4	1.1	.0	.0	.0	.0	.0	.0	6.5
240	.4	.8	.7	.4	.3	1.1	.9	.0	.5	1.1	.0	.0	.0	.0	.0	.0	6.2
270	.3	.5	1.2	.1	.8	.9	.5	.0	.5	.9	.0	.0	.1	.3	.0	.0	6.3
300	.5	1.3	.5	.3	4.0	3.9	4.0	.0	2.8	3.8	.9	.0	.1	1.2	.0	.0	23.5
330	.3	.7	1.1	.8	.3	1.6	1.6	.7	.1	3.9	.4	.1	.0	.5	.0	.0	12.1
360	.1	.4	.4	.8	.3	.5	.4	.1	.0	1.5	.0	.0	.0	.1	.0	.0	4.7
Stille	.0	.0	.5	.1													.7
Total	2.8	8.6	8.5	3.4	12.4	23.3	10.2	1.1	7.3	18.3	1.5	.1	.5	2.2	.0	.0	100.0
Forekomst	23.3 %				46.9 %				27.2 %				2.7 %				100.0 %
Vindstyrke	1.3 m/s				3.0 m/s				4.8 m/s				6.5 m/s				3.2 m/s

Fordeling på stabilitetsklasser

	Klasse I	Klasse II	Klasse III	Klasse IV	
Forekomst	23.0 %	52.3 %	20.2 %	4.6 %	100.0 %

Antall obs. : 744
Manglende obs.: 0

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

a)

BELASTNING SOM FUNKSJON AV VINDRETNING OG STABILITET

SIGK : AAS
Periode : 01.03.89 - 31.05.89
Enhet : GRADER

Vind-retning	.0- 2.0 m/s				2.0- 4.0 m/s				4.0- 6.0 m/s				over 6.0 m/s				Rose
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	
30	-	23.7	18.5	50.6	30.2	16.3	10.2	-	22.3	18.6	-	-	18.9	18.6	-	-	17.9
60	56.6	24.3	22.1	-	22.2	18.0	14.2	-	19.8	17.1	14.8	-	19.7	19.3	-	-	19.1
90	-	14.4	17.9	23.7	21.6	15.1	5.6	2.4	18.2	15.6	-	-	-	-	-	-	16.0
120	48.0	21.8	19.2	13.0	22.9	12.7	11.8	3.7	13.6	11.7	-	-	9.0	12.2	-	-	16.5
150	48.7	24.2	34.7	6.0	31.1	14.1	11.4	-	15.0	14.1	-	-	-	13.1	-	-	16.9
180	56.1	25.4	31.7	11.3	35.3	14.3	15.4	-	16.5	14.5	10.3	-	14.8	13.5	-	-	17.8
210	34.5	32.5	21.4	30.6	18.5	16.5	15.9	10.9	20.4	14.0	-	-	11.2	13.6	-	-	19.9
240	37.9	28.1	27.1	13.1	24.2	21.5	16.1	22.5	19.6	17.2	-	-	15.0	15.7	-	-	22.5
270	42.0	31.1	21.9	18.6	22.3	17.5	16.7	-	18.2	16.3	16.4	-	15.0	14.9	-	-	21.6
300	24.3	14.0	21.4	24.4	15.9	11.8	9.3	5.0	14.9	12.9	7.6	-	13.7	12.3	-	-	13.8
330	40.8	17.2	18.6	10.0	32.8	11.1	6.5	4.9	17.3	12.5	8.9	5.3	-	14.6	-	-	12.7
360	28.7	17.7	16.3	19.3	31.0	13.3	12.6	9.3	-	15.2	-	-	-	13.3	-	-	15.7
Stille	-	45.2	38.7	53.7													41.8
Middel	37.5	22.0	22.4	19.4	21.5	14.4	11.1	6.4	17.2	14.5	9.0	5.3	15.2	13.7	-	-	16.9
Konsentr.	23.5				14.8				15.0				13.9				

Middelverdi for ulike stabilitetsklasser

	Klasse I	Klasse II	Klasse III	Klasse IV
Konsentr.	22.2	15.8	16.4	15.0

Antall obs. : 2199
Manglende obs.: 9

b)

BELASTNING SOM FUNKSJON AV VINDRETNING OG STABILITET

SIGKL : AAS
Periode : 01.03.89 - 31.05.89
Enhet : GRADER

Vind-retning	.0- 2.0 m/s				2.0- 4.0 m/s				4.0- 6.0 m/s				over 6.0 m/s				Rose
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	
30	-	35.0	31.0	51.6	34.9	18.6	13.2	-	23.5	20.3	-	-	26.9	19.5	-	-	22.1
60	13.9	42.2	31.8	-	24.6	20.2	18.0	-	21.7	17.8	15.1	-	20.4	20.8	-	-	23.6
90	-	22.0	35.3	35.3	24.8	16.8	9.3	6.9	20.7	17.2	-	-	-	-	-	-	20.3
120	74.4	32.7	28.0	23.2	31.2	15.4	18.6	6.6	14.7	12.7	-	-	9.2	13.0	-	-	21.8
150	72.3	30.8	46.9	13.2	48.5	16.5	16.4	-	17.6	15.8	-	-	-	13.6	-	-	21.1
180	65.1	32.5	48.0	31.1	51.9	17.2	21.4	-	18.7	16.2	15.6	-	15.2	14.0	-	-	22.2
210	39.5	41.8	31.9	64.9	20.8	20.6	17.7	16.3	23.6	15.1	-	-	15.2	14.0	-	-	25.6
240	46.9	41.4	40.5	24.9	28.3	24.8	19.9	35.4	21.8	18.3	-	-	16.8	16.6	-	-	28.8
270	55.2	43.0	32.5	36.8	26.9	20.1	21.3	-	19.7	17.5	16.7	-	16.9	15.3	-	-	27.7
300	28.5	23.0	35.1	44.1	18.3	14.8	12.8	10.5	16.1	14.2	9.0	-	14.9	12.8	-	-	17.8
330	52.8	25.4	30.3	18.4	44.0	13.5	9.5	8.5	19.7	13.8	10.1	6.3	-	23.4	-	-	17.7
360	34.7	23.7	28.2	31.6	38.9	16.9	15.9	12.1	-	16.8	-	-	-	13.7	-	-	21.2
Stille	-	78.5	82.1	94.2													82.7
Middel	50.3	31.8	35.6	35.3	26.9	17.1	14.7	10.9	19.1	15.9	10.4	6.3	17.0	14.7	-	-	21.9
Konsentr.	35.4				18.2				16.4				15.0				

Middelverdi for ulike stabilitetsklasser

	Klasse I	Klasse II	Klasse III	Klasse IV
Konsentr.	27.4	19.3	24.4	27.1

Antall obs. : 2199
Manglende obs.: 9

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

Stasjon : AAS
Periode : 01.03.89 - 31.05.89
Parameter: TEMPERATUR 2m
Enhet : GRADER C

MIDDEL-, MAKSIMUM- OG MINIMUMVERDIER

			Maks			Min			Midlere	
Måned	Nobs	Tmidl	T	Dag	Kl	T	Dag	Kl	Tmaks	Tmin
Mar 1989	31	3.9	12.9	19	15	-3.0	15	06	7.5	1.0
Apr 1989	30	5.5	20.2	14	15	-3.4	3	05	8.9	2.1
Mai 1989	31	11.2	20.8	22	17	2.2	10	04	16.1	5.9

FOREKOMST INNEN GITTE GRENSER

	T <-10.0		T < .0		T < 10.0	
Måned	Døgn	Timer	Døgn	Timer	Døgn	Timer
Mar 1989	0	0	11	55	31	708
Apr 1989	0	0	9	53	29	627
Mai 1989	0	0	0	0	31	329

MIDLERE MÅNEDSVIS DØGNFORDELING

Måned: Mar 1989 Klokkeslett

	01	04	07	10	13	16	19	22	
Middelverdi	2.4	2.1	2.1	4.9	6.5	6.4	4.2	3.1	
Stand.avvik	2.0	2.2	2.3	2.8	2.8	2.7	2.1	2.0	
Nobs	(31)	(31)	(31)	(31)	(31)	(30)	(30)	(30)	(735)

Måned: Apr 1989 Klokkeslett

	01	04	07	10	13	16	19	22	
Middelverdi	3.8	2.9	3.5	6.7	8.0	8.3	6.8	4.9	
Stand.avvik	3.6	3.4	3.3	3.6	4.3	4.4	4.0	3.8	
Nobs	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(720)

Måned: Mai 1989 Klokkeslett

	01	04	07	10	13	16	19	22	
Middelverdi	7.7	6.2	9.8	13.7	15.1	14.8	13.0	9.6	
Stand.avvik	1.8	1.6	2.4	2.9	3.2	3.8	3.2	2.3	
Nobs	(31)	(31)	(31)	(31)	(31)	(31)	(31)	(31)	(744)

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

Stasjon : AAS
Periode : 01.03.89 - 31.05.89
Parameter: REL.FUKT.
Enhet : PROSENT

MIDDEL-, MAKSIMUM- OG MINIMUMVERDIER

			Maks			Min			Midlere	
Måned	Nobs	RHmidl	RH	Dag	Kl	RH	Dag	Kl	RHmaks	RHmin
Mar 1989	31	.79	.98	28	18	.36	19	16	.91	.65
Apr 1989	30	.75	.98	*12	15	.24	3	14	.87	.62
Mai 1989	31	.70	.97	* 1	20	.29	19	18	.88	.52

FOREKOMST INNEN GITTE GRENSER

	RH < .30		RH < .75		RH < .95	
Måned	Døgn	Timer	Døgn	Timer	Døgn	Timer
Mar 1989	0	0	19	229	31	666
Apr 1989	1	2	20	323	29	655
Mai 1989	1	1	27	456	31	679

MIDLERE MÅNEDSVIS DØGNFORDELING

Måned: Mar 1989 Klokkeslett

	01	04	07	10	13	16	19	22	
Middelverdi	.84	.85	.85	.79	.73	.73	.79	.80	
Stand.avvik	.13	.11	.11	.15	.19	.21	.19	.14	
Nobs	(31)	(31)	(31)	(31)	(31)	(30)	(30)	(30)	(735)

Måned: Apr 1989 Klokkeslett

	01	04	07	10	13	16	19	22	
Middelverdi	.81	.84	.80	.71	.68	.69	.72	.78	
Stand.avvik	.14	.12	.14	.18	.18	.18	.18	.16	
Nobs	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(720)

Måned: Mai 1989 Klokkeslett

	01	04	07	10	13	16	19	22	
Middelverdi	.77	.80	.75	.67	.63	.64	.65	.74	
Stand.avvik	.14	.12	.11	.12	.16	.18	.21	.18	
Nobs	(31)	(31)	(31)	(31)	(31)	(31)	(31)	(31)	(744)

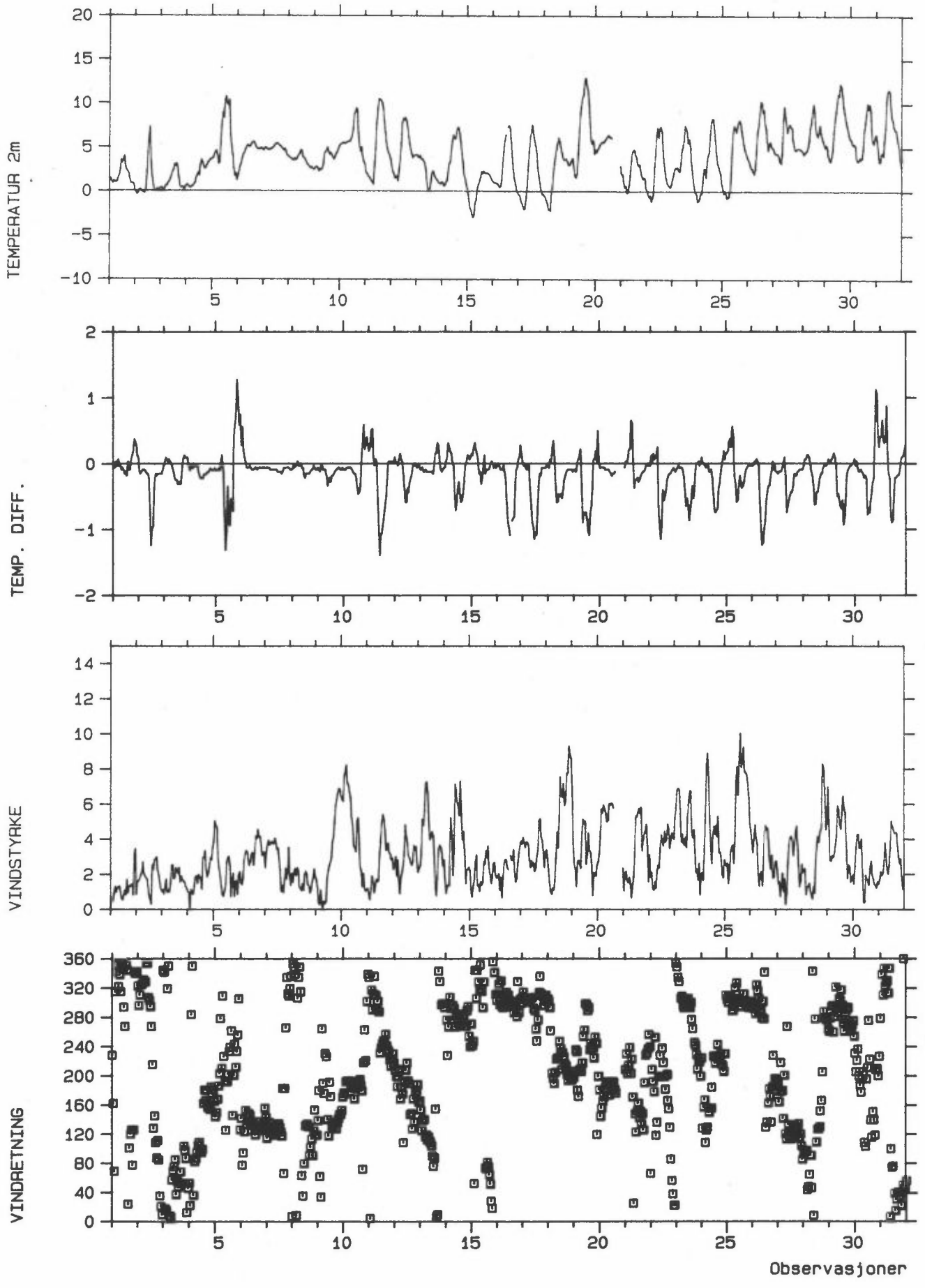
VEDLEGG B

Grafisk fremstilling av tidsforløpet av:

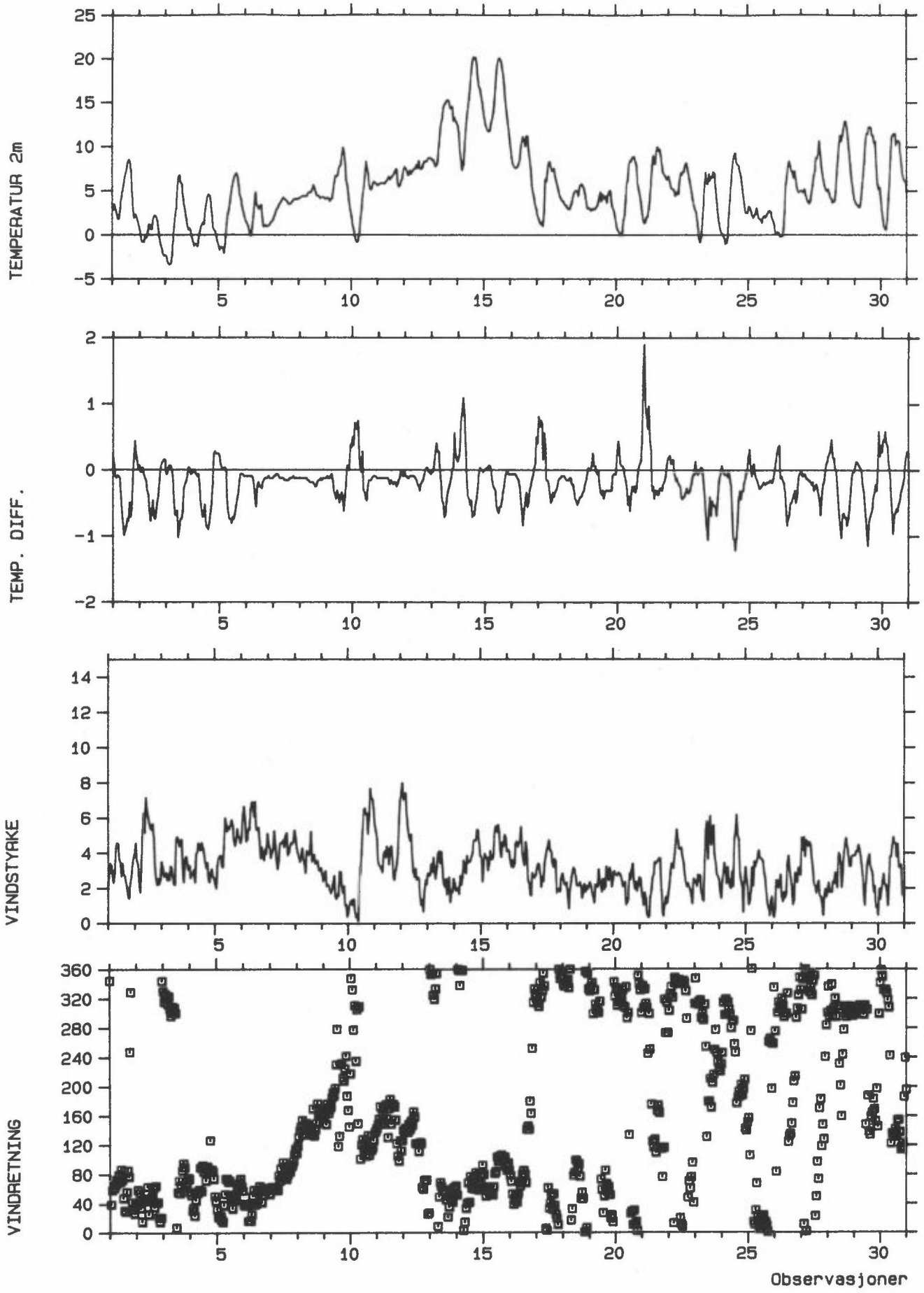
Temperatur	(2 m)	(^{0}C)
Temperatur differanse	(25-10 m)	(^{0}C)
Vindhastighet	(25 m)	(m/s)
Vindretning	(25 m)	(grader)

for månedene mars, april og mai 1989 ved Ås.

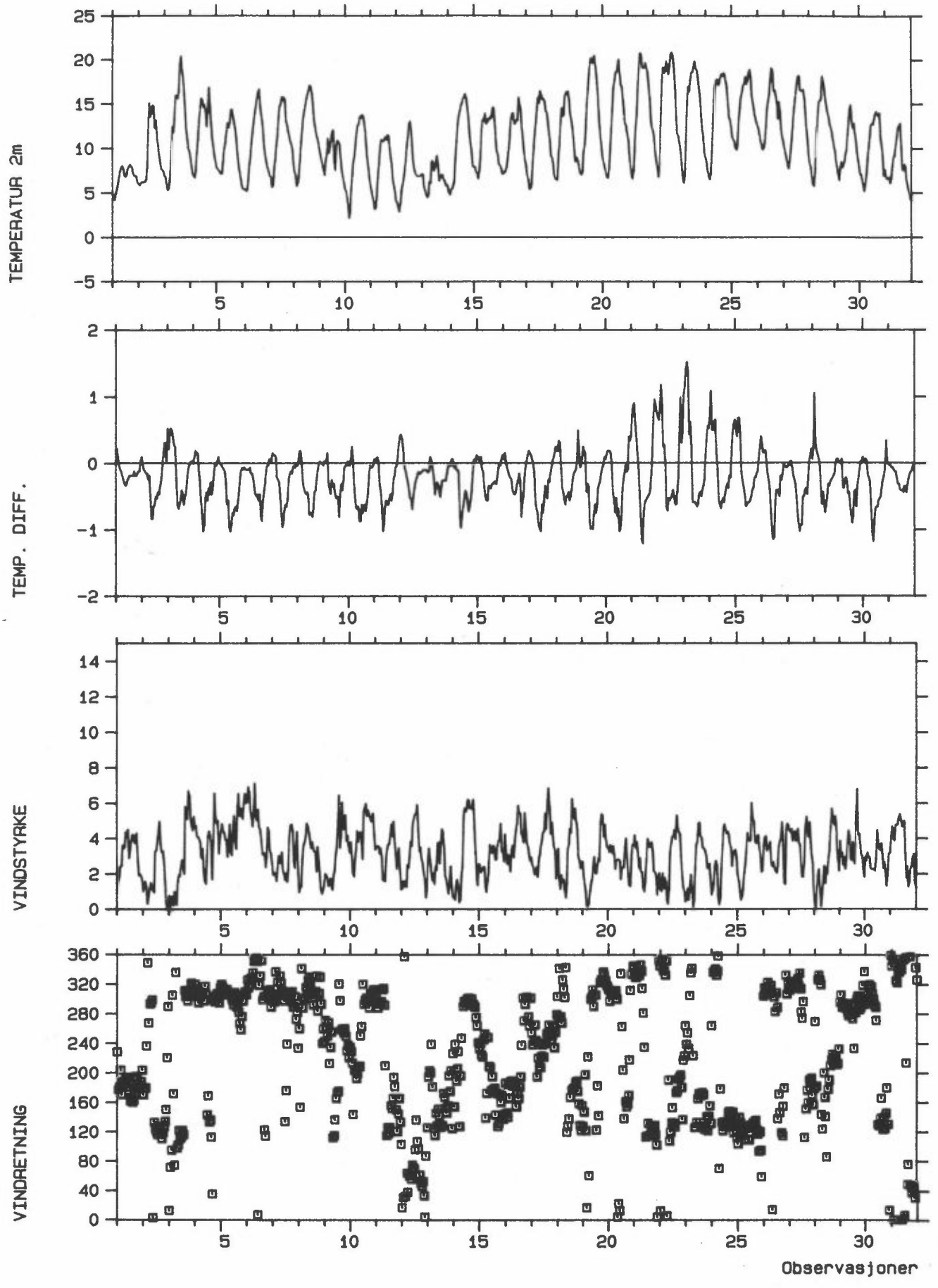
Stasjon: ÅS
Måned : MARS 1989



Stasjon: ÅS
Måned : APRIL 1989



Stasjon: ÅS
Måned : MAI 1989



VEDLEGG C

Liste over timesmidlede meteorologiske data
fra Ås.

Våren 1989 (01.03.89-31.05.89).

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 (^{0}C) 25 m over bakken ved Ås
8. T-2 = lufttemperatur (^{0}C) 2 m over bakken ved Ås
9. DT = temperaturforskjell (^{0}C) 25-10 m ved Ås
10. RH-2 = relativ fuktighet (%) 2 m over bakken ved Ås

Observasjon -9900 betegner manglende data.

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
1	3	89	1	228.	.0	.2	.0	45.8	78.6	1.5	1.4	.03	.91
1	3	89	2	162.	.7	1.8	1.8	6.7	19.2	1.4	1.4	-.06	.91
1	3	89	3	69.	.5	1.4	1.2	19.0	43.4	1.1	1.1	-.06	.90
1	3	89	4	315.	.9	2.2	2.0	17.9	45.4	1.0	.9	.03	.90
1	3	89	5	343.	1.3	2.4	2.2	6.3	14.5	1.1	1.1	-.03	.90
1	3	89	6	351.	1.0	2.2	2.0	6.1	23.0	1.1	1.0	.06	.90
1	3	89	7	322.	1.2	2.4	2.2	14.7	25.5	1.0	1.0	-.03	.90
1	3	89	8	339.	1.3	3.0	2.6	6.7	11.1	1.0	1.0	-.03	.90
1	3	89	9	315.	1.4	3.6	3.4	14.9	21.9	1.3	1.4	-.09	.91
1	3	89	10	349.	1.0	2.2	2.0	11.9	19.6	1.6	1.7	-.06	.91
1	3	89	11	346.	.7	2.2	2.0	42.4	65.9	2.1	2.3	-.09	.92
1	3	89	12	294.	.6	1.8	1.6	27.4	39.4	3.1	3.5	-.16	.92
1	3	89	13	267.	.8	2.4	2.2	56.7	89.2	3.1	3.2	-.12	.89
1	3	89	14	351.	1.1	2.0	2.0	12.1	30.2	3.1	3.4	-.19	.90
1	3	89	15	344.	.9	2.2	2.0	20.8	22.1	3.5	3.9	.03	.89
1	3	89	16	24.	1.7	3.0	2.8	24.9	38.7	2.6	2.7	-.09	.91
1	3	89	17	101.	1.0	2.0	1.8	16.2	37.6	2.3	2.3	-.09	.91
1	3	89	18	121.	1.3	2.6	2.4	7.2	14.4	2.2	2.2	.06	.92
1	3	89	19	127.	1.3	2.4	2.4	11.8	15.2	2.3	2.0	.12	.91
1	3	89	20	77.	1.5	2.2	2.0	6.4	16.9	1.9	1.4	.19	.90
1	3	89	21	127.	1.4	2.0	1.8	4.2	12.8	1.8	.9	.37	.90
1	3	89	22	342.	.8	3.0	2.8	43.9	70.7	1.6	.9	.34	.90
1	3	89	23	340.	3.1	4.6	4.4	4.2	6.9	1.4	.8	.28	.90
1	3	89	24	343.	3.5	5.4	5.2	6.6	7.3	1.0	.7	.12	.89
2	3	89	1	323.	.9	5.0	4.6	84.1	116.7	.1	.0	.09	.89
2	3	89	2	297.	1.6	3.0	2.8	9.2	11.8	-.3	-.2	-.12	.88
2	3	89	3	311.	1.7	3.0	2.8	9.8	11.4	-.5	-.4	-.16	.88
2	3	89	4	325.	1.8	3.4	3.2	8.2	14.0	-.4	-.3	-.12	.88
2	3	89	5	326.	2.0	3.6	3.4	10.9	12.0	.0	.1	-.09	.88
2	3	89	6	332.	2.1	3.6	3.4	10.2	10.8	.1	.2	-.09	.89
2	3	89	7	330.	2.7	5.0	4.6	8.7	8.8	-.1	.0	-.09	.88
2	3	89	8	329.	2.1	3.8	3.6	10.0	10.4	-.2	-.1	-.12	.88
2	3	89	9	354.	1.9	4.0	3.6	12.8	16.2	-.4	-.2	-.16	.88
2	3	89	10	354.	1.8	3.6	3.4	14.1	17.6	-.5	-.3	-.16	.88
2	3	89	11	308.	1.8	3.8	3.4	13.6	19.2	-.2	.2	-.22	.88
2	3	89	12	304.	1.4	3.0	2.8	15.7	20.2	1.2	2.0	-.68	.89
2	3	89	13	295.	.8	2.0	1.6	16.9	19.0	3.7	4.3	-1.24	.83
2	3	89	14	267.	.6	2.0	2.0	42.4	48.0	5.0	5.8	-.99	.80
2	3	89	15	215.	.3	2.0	2.0	70.9	76.0	6.2	7.3	-.96	.76
2	3	89	16	128.	2.6	5.0	4.8	21.0	30.2	2.9	3.2	-.37	.88
2	3	89	17	145.	2.3	4.6	4.2	13.4	14.1	1.3	1.5	-.16	.91
2	3	89	18	108.	2.9	4.8	4.6	11.2	15.4	.5	.7	-.19	.89
2	3	89	19	87.	2.9	5.2	5.0	12.4	14.7	-.1	.1	-.16	.88
2	3	89	20	111.	3.0	5.8	5.0	11.4	12.9	-.1	.1	-.16	.88
2	3	89	21	84.	2.3	4.6	4.4	12.4	14.5	.0	.2	-.16	.89
2	3	89	22	35.	2.0	4.2	4.0	15.0	24.8	.1	.2	-.16	.88
2	3	89	23	21.	1.6	4.4	4.0	14.1	16.0	.0	.2	-.16	.88
2	3	89	24	10.	1.2	2.2	2.2	9.7	11.2	.1	.2	-.09	.88
3	3	89	1	344.	1.0	2.2	2.0	15.1	20.1	.3	.4	-.03	.88
3	3	89	2	342.	1.1	3.0	2.8	27.0	30.5	.4	.4	.03	.87
3	3	89	3	18.	.9	2.6	2.4	40.5	45.2	.5	.2	.09	.87
3	3	89	4	15.	1.2	2.8	2.8	20.3	24.5	.5	.0	.06	.86
3	3	89	5	319.	1.7	4.0	3.6	13.2	20.0	.6	.4	.03	.83
3	3	89	6	350.	1.0	3.0	2.6	13.8	17.7	.8	.7	.06	.84
3	3	89	7	8.	1.1	3.0	2.8	9.2	13.9	1.0	.6	.03	.85
3	3	89	8	7.	1.0	2.8	2.6	14.5	15.0	1.0	.9	.00	.84
3	3	89	9	58.	1.5	3.8	3.6	16.7	29.2	1.1	1.1	-.06	.84
3	3	89	10	70.	2.5	5.4	5.0	13.8	15.1	1.2	1.4	-.12	.84
3	3	89	11	76.	2.6	5.0	4.6	13.3	14.2	1.6	1.8	-.22	.82
3	3	89	12	86.	1.8	3.8	3.4	16.8	17.3	1.8	2.1	-.25	.79
3	3	89	13	38.	1.8	5.4	5.2	18.2	22.8	2.1	2.3	-.25	.76
3	3	89	14	56.	2.4	6.4	6.0	25.0	28.4	2.6	3.0	-.31	.72
3	3	89	15	48.	2.3	4.6	4.2	16.6	20.4	2.5	2.8	-.28	.75
3	3	89	16	53.	2.1	5.0	4.8	21.1	22.8	2.7	3.1	-.31	.76
3	3	89	17	69.	2.4	5.4	5.0	14.8	15.8	2.4	2.7	-.31	.78
3	3	89	18	52.	1.6	4.2	4.0	17.6	24.3	1.7	1.5	-.09	.82
3	3	89	19	53.	1.9	4.0	3.6	11.4	16.5	1.0	.6	.06	.85
3	3	89	20	104.	1.7	3.4	3.0	13.2	21.4	1.0	.4	.12	.86
3	3	89	21	98.	1.7	3.0	2.8	6.7	10.0	.7	.4	.09	.87
3	3	89	22	87.	1.6	2.6	2.6	6.3	12.3	.7	.4	.09	.86
3	3	89	23	13.	1.3	2.4	2.2	14.0	25.3	.5	.1	.09	.88
3	3	89	24	46.	1.2	3.2	3.0	24.3	26.9	.5	.5	-.03	.85

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
4	3	89	1	53.	1.0	3.4	3.2	25.1	27.3	.6	.7	-.09	.82
4	3	89	2	22.	1.0	2.8	2.6	25.2	27.7	.7	.8	-.06	.81
4	3	89	3	284.	.1	1.6	1.4	50.4	91.5	.7	.6	.00	.83
4	3	89	4	350.	1.2	2.4	2.2	6.1	17.3	.4	.4	-.06	.86
4	3	89	5	37.	1.0	1.8	1.6	6.4	17.7	.4	.4	.00	.87
4	3	89	6	83.	.9	1.8	1.6	10.2	17.4	.6	.5	-.03	.85
4	3	89	7	87.	1.3	2.2	2.0	8.1	9.5	.7	.6	-.03	.86
4	3	89	8	96.	1.8	3.2	3.0	6.1	9.1	.7	.8	-.03	.86
4	3	89	9	105.	2.0	3.6	3.4	9.2	11.8	.9	1.0	-.12	.86
4	3	89	10	110.	1.5	3.4	3.0	14.1	16.1	1.3	1.5	-.19	.85
4	3	89	11	97.	2.0	3.6	3.4	12.5	15.7	1.6	1.8	-.22	.84
4	3	89	12	96.	1.9	3.4	3.2	13.8	15.2	1.8	2.1	-.22	.85
4	3	89	13	100.	1.7	3.8	3.4	24.3	39.0	1.6	1.8	-.22	.89
4	3	89	14	163.	1.2	4.8	4.6	22.2	25.7	2.5	2.9	-.16	.91
4	3	89	15	181.	3.0	6.4	6.4	14.1	15.7	3.2	3.5	-.16	.88
4	3	89	16	167.	3.0	6.2	6.0	14.7	15.3	3.2	3.3	-.16	.87
4	3	89	17	181.	3.4	7.0	6.6	12.2	13.6	2.8	2.9	-.12	.90
4	3	89	18	157.	2.3	5.4	5.0	13.0	16.4	2.5	2.6	-.12	.92
4	3	89	19	160.	1.9	4.0	3.8	13.3	13.8	2.5	2.7	-.09	.93
4	3	89	20	155.	2.1	4.2	3.8	15.1	16.4	2.9	2.9	-.06	.93
4	3	89	21	186.	2.4	5.0	4.8	13.6	14.9	3.1	3.2	-.09	.93
4	3	89	22	176.	3.0	5.4	5.0	11.6	12.6	3.3	3.4	-.09	.94
4	3	89	23	181.	2.9	6.4	5.8	12.5	13.3	3.4	3.5	-.09	.94
4	3	89	24	166.	3.5	7.2	6.6	12.2	13.6	3.6	3.6	-.06	.93
5	3	89	1	145.	3.9	8.2	7.8	12.4	14.0	3.6	3.7	-.09	.91
5	3	89	2	150.	5.1	10.8	9.4	13.7	15.2	3.7	3.8	-.09	.93
5	3	89	3	169.	4.8	9.6	9.2	14.3	17.6	4.1	4.2	-.09	.94
5	3	89	4	187.	4.7	9.6	8.8	13.4	14.1	4.4	4.5	-.06	.95
5	3	89	5	204.	2.9	7.4	7.0	14.1	16.2	4.5	4.6	-.09	.95
5	3	89	6	278.	2.3	5.0	4.8	14.1	26.3	4.2	4.1	.03	.94
5	3	89	7	211.	1.9	4.0	3.8	24.0	43.8	3.8	3.1	.12	.92
5	3	89	8	309.	1.4	2.8	2.6	18.8	45.5	3.5	3.3	-.12	.93
5	3	89	9	226.	.9	2.4	2.2	22.1	36.2	4.8	5.4	-.71	.90
5	3	89	10	193.	.8	2.4	2.2	56.1	65.1	6.7	7.5	-1.30	.84
5	3	89	11	125.	1.1	3.0	2.6	71.3	81.1	8.1	8.9	-1.02	.77
5	3	89	12	193.	1.4	3.2	2.8	19.0	23.7	7.7	8.3	-.34	.80
5	3	89	13	202.	2.7	5.2	4.8	17.4	20.4	9.4	10.4	-.90	.69
5	3	89	14	233.	3.0	5.8	5.4	17.0	19.7	10.1	10.8	-.93	.62
5	3	89	15	239.	3.0	6.2	5.8	17.4	20.1	9.6	9.9	-.53	.58
5	3	89	16	262.	2.6	5.8	5.2	17.1	19.6	9.6	9.7	-.56	.56
5	3	89	17	146.	.8	2.4	2.2	35.9	59.1	10.0	10.3	-.71	.58
5	3	89	18	201.	1.8	3.0	2.8	17.3	22.1	7.3	6.4	.37	.80
5	3	89	19	243.	2.1	5.6	5.2	22.5	35.4	6.5	5.2	.59	.77
5	3	89	20	212.	.8	3.0	2.8	60.7	113.0	5.7	4.1	.71	.74
5	3	89	21	233.	1.6	3.6	3.6	19.2	33.1	3.8	2.6	1.27	.87
5	3	89	22	256.	1.7	3.0	2.8	10.9	15.2	3.1	1.8	1.02	.87
5	3	89	23	305.	.9	2.2	2.0	45.9	73.2	3.5	2.0	.59	.83
5	3	89	24	127.	2.0	3.4	3.2	35.4	55.3	2.2	1.3	.75	.90
6	3	89	1	142.	2.2	3.6	3.4	10.8	13.8	2.0	1.8	.28	.91
6	3	89	2	77.	1.6	3.8	3.4	43.0	59.1	2.8	2.3	.56	.91
6	3	89	3	94.	1.5	2.6	2.4	6.0	8.3	3.2	2.9	.19	.92
6	3	89	4	124.	1.7	3.6	3.4	8.9	19.3	3.5	3.2	.09	.93
6	3	89	5	153.	2.8	4.8	4.6	11.3	15.5	3.7	3.7	.03	.94
6	3	89	6	134.	3.2	5.8	5.4	13.4	15.1	4.1	4.2	-.06	.94
6	3	89	7	139.	3.4	6.0	5.8	11.9	12.6	4.3	4.4	-.06	.95
6	3	89	8	149.	3.3	6.2	5.8	13.6	14.0	4.6	4.7	-.06	.95
6	3	89	9	146.	2.9	6.2	6.0	12.7	13.2	4.9	5.0	-.03	.95
6	3	89	10	135.	2.5	4.8	4.6	14.5	16.5	5.1	5.2	-.06	.96
6	3	89	11	125.	2.7	5.0	5.0	12.1	16.2	4.9	5.1	-.09	.95
6	3	89	12	134.	3.2	6.4	6.2	12.9	15.8	4.9	5.0	-.09	.95
6	3	89	13	132.	3.3	5.2	5.2	11.2	11.8	5.1	5.2	-.09	.95
6	3	89	14	120.	2.5	4.8	4.4	9.8	11.8	5.3	5.5	-.06	.96
6	3	89	15	138.	3.2	6.0	5.8	10.3	11.6	5.5	5.6	-.06	.96
6	3	89	16	125.	4.2	7.4	6.8	11.3	12.4	5.5	5.6	-.09	.96
6	3	89	17	129.	4.1	6.6	6.4	11.6	11.9	5.2	5.3	-.06	.95
6	3	89	18	132.	4.6	7.0	6.6	10.3	10.6	4.9	5.0	-.06	.95
6	3	89	19	131.	4.2	6.4	6.0	9.9	10.1	4.7	4.8	-.06	.95
6	3	89	20	128.	4.2	7.6	7.2	10.5	10.8	4.7	4.8	-.06	.95
6	3	89	21	125.	3.7	6.2	5.8	10.0	10.4	4.7	4.8	-.06	.95
6	3	89	22	136.	3.1	5.2	4.8	11.2	12.6	4.7	4.8	-.06	.95
6	3	89	23	156.	3.3	6.0	5.8	14.6	17.0	4.8	4.9	-.06	.95
6	3	89	24	143.	3.3	7.0	6.4	13.6	14.7	4.7	4.8	-.06	.94

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
7	3	89	1	115.	2.4	4.0	3.8	9.4	12.3	4.6	4.6	-.06	.94
7	3	89	2	131.	3.3	6.2	5.8	10.3	12.0	4.8	4.9	-.06	.94
7	3	89	3	136.	3.7	6.4	6.0	11.3	11.8	4.9	5.0	-.06	.95
7	3	89	4	122.	4.0	6.2	5.6	9.4	10.5	4.8	4.9	-.09	.95
7	3	89	5	122.	3.7	6.2	5.8	10.2	10.6	4.7	4.7	-.09	.94
7	3	89	6	125.	3.8	6.4	6.0	10.1	10.4	4.6	4.7	-.09	.94
7	3	89	7	127.	3.9	6.6	6.0	10.6	10.8	4.7	4.8	-.09	.94
7	3	89	8	120.	3.8	6.6	6.0	10.0	10.2	4.8	4.8	-.09	.94
7	3	89	9	120.	3.8	6.4	6.2	10.5	11.2	4.8	4.9	-.09	.95
7	3	89	10	122.	4.1	6.6	6.2	10.6	10.9	4.9	5.0	-.09	.95
7	3	89	11	135.	3.8	7.0	6.6	11.8	12.9	5.1	5.2	-.12	.95
7	3	89	12	135.	3.4	5.8	5.4	11.4	12.1	5.2	5.3	-.12	.94
7	3	89	13	129.	3.5	6.4	6.0	11.7	12.2	5.2	5.4	-.12	.92
7	3	89	14	124.	2.9	6.2	5.6	12.3	15.7	5.2	5.4	-.12	.92
7	3	89	15	118.	2.3	4.8	4.6	12.7	14.8	5.2	5.3	-.16	.92
7	3	89	16	183.	1.0	3.4	3.0	18.4	37.1	5.1	5.2	-.12	.93
7	3	89	17	66.	1.4	4.0	3.8	23.4	48.4	5.0	5.1	-.06	.94
7	3	89	18	183.	1.0	2.6	2.4	38.9	69.8	4.9	5.0	-.06	.94
7	3	89	19	266.	1.7	3.6	3.4	33.2	55.4	4.8	4.8	-.06	.94
7	3	89	20	335.	2.4	4.2	3.8	8.9	16.5	4.6	4.6	-.06	.93
7	3	89	21	312.	1.8	4.0	3.8	13.0	22.2	4.7	4.8	-.06	.93
7	3	89	22	309.	2.1	3.4	3.2	8.6	18.5	4.5	4.6	-.06	.93
7	3	89	23	319.	3.5	5.4	5.2	6.6	8.8	4.0	4.2	-.09	.92
7	3	89	24	336.	2.0	3.2	3.0	7.8	11.0	3.9	4.0	-.09	.92
8	3	89	1	7.	1.4	2.6	2.6	14.2	25.0	3.8	3.9	-.09	.92
8	3	89	2	353.	2.1	3.8	3.6	8.4	12.7	3.8	3.8	-.03	.92
8	3	89	3	349.	1.6	3.0	2.8	14.2	23.1	3.6	3.7	-.06	.92
8	3	89	4	339.	2.1	3.2	3.0	7.8	12.4	3.5	3.6	-.03	.92
8	3	89	5	8.	2.3	4.8	4.6	8.4	26.0	3.4	3.5	-.03	.91
8	3	89	6	307.	2.0	4.0	4.0	11.0	20.1	3.7	3.7	.03	.91
8	3	89	7	335.	2.4	4.2	3.8	12.4	15.5	3.5	3.6	-.03	.91
8	3	89	8	349.	2.3	4.2	4.0	7.2	11.0	3.7	3.7	-.03	.90
8	3	89	9	315.	1.3	2.6	2.4	20.7	35.6	3.8	3.8	.00	.88
8	3	89	10	63.	1.2	3.2	3.0	15.8	49.5	4.0	4.1	-.06	.88
8	3	89	11	35.	1.1	3.8	3.4	22.3	26.1	4.1	4.2	-.06	.88
8	3	89	12	80.	1.5	3.2	3.0	15.9	19.4	4.4	4.6	-.19	.91
8	3	89	13	132.	1.1	3.4	3.2	16.6	24.4	4.5	4.6	-.22	.93
8	3	89	14	134.	2.0	3.6	3.4	11.7	11.8	3.8	3.9	-.16	.92
8	3	89	15	135.	2.2	4.2	3.8	10.8	11.3	3.6	3.8	-.16	.93
8	3	89	16	131.	2.1	3.2	3.0	11.6	13.0	3.5	3.6	-.16	.92
8	3	89	17	91.	1.4	2.4	2.2	10.3	16.9	3.3	3.4	-.16	.92
8	3	89	18	103.	1.4	2.0	2.0	7.0	9.9	3.0	3.1	-.12	.92
8	3	89	19	114.	1.0	2.0	1.8	9.7	18.9	2.9	3.0	-.09	.92
8	3	89	20	91.	1.1	1.8	1.6	6.0	8.8	2.7	2.8	-.09	.92
8	3	89	21	125.	1.6	2.6	2.6	5.8	12.7	2.6	2.6	-.03	.91
8	3	89	22	153.	1.8	3.2	3.0	12.1	12.9	2.7	2.8	-.06	.91
8	3	89	23	120.	2.3	3.8	3.6	11.2	14.5	2.5	2.6	-.09	.90
8	3	89	24	120.	1.9	3.4	3.2	8.0	8.3	2.4	2.5	-.09	.91
9	3	89	1	139.	1.7	4.2	4.0	10.5	12.1	2.5	2.6	-.06	.92
9	3	89	2	180.	1.3	3.2	3.0	13.8	19.4	2.6	2.7	-.09	.92
9	3	89	3	62.	.4	1.8	1.6	22.8	62.0	2.7	2.8	-.12	.92
9	3	89	4	34.	.3	1.6	1.6	30.8	35.2	2.7	2.7	-.03	.92
9	3	89	5	264.	1.1	2.4	2.2	24.5	51.9	2.3	2.3	-.03	.92
9	3	89	6	190.	.5	1.6	1.4	45.0	64.5	2.4	2.5	-.09	.92
9	3	89	7	176.	.0	.6	.4	39.9	65.5	2.4	2.5	-.09	.92
9	3	89	8	231.	.5	1.6	1.4	19.4	33.0	2.4	2.6	-.09	.92
9	3	89	9	226.	.4	1.6	1.4	38.8	62.9	2.8	3.0	-.19	.92
9	3	89	10	141.	.4	2.0	2.0	38.1	42.5	3.9	4.4	-.34	.91
9	3	89	11	118.	1.7	3.0	2.8	15.7	17.2	4.0	4.4	-.25	.90
9	3	89	12	191.	2.2	4.0	3.8	14.0	25.7	4.3	4.7	-.22	.89
9	3	89	13	172.	2.5	4.8	4.4	16.5	19.8	4.5	5.0	-.28	.85
9	3	89	14	132.	2.7	5.2	5.0	15.0	19.1	4.2	4.5	-.19	.88
9	3	89	15	131.	2.9	5.4	5.2	12.3	13.2	3.9	4.2	-.19	.91
9	3	89	16	136.	3.9	7.2	7.0	12.5	13.3	4.2	4.4	-.16	.90
9	3	89	17	136.	4.1	7.2	7.0	11.2	11.6	4.0	4.1	-.12	.88
9	3	89	18	128.	5.0	9.6	8.8	11.4	11.8	3.7	3.8	-.09	.92
9	3	89	19	136.	5.9	10.6	10.2	12.5	12.7	3.6	3.7	-.09	.92
9	3	89	20	142.	6.3	12.0	11.2	12.7	12.9	3.8	3.9	-.06	.95
9	3	89	21	148.	6.6	11.8	11.0	13.4	13.6	4.2	4.3	-.06	.95
9	3	89	22	148.	6.9	13.2	11.8	12.8	13.0	4.4	4.5	-.09	.95
9	3	89	23	153.	6.9	13.4	12.6	14.1	14.2	4.7	4.8	-.09	.96
9	3	89	24	172.	6.5	14.4	13.2	15.5	17.3	5.1	5.1	-.06	.96

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
10	3	89	1	177.	6.3	12.4	11.8	15.0	15.3	5.3	5.3	-.09	.96
10	3	89	2	176.	6.2	13.6	12.6	14.6	14.7	5.3	5.4	-.09	.96
10	3	89	3	193.	7.6	15.2	14.2	14.0	14.7	5.4	5.5	-.09	.96
10	3	89	4	194.	7.8	16.0	15.4	13.1	13.3	5.5	5.5	-.06	.96
10	3	89	5	194.	8.2	15.0	14.8	12.6	12.7	5.4	5.5	-.06	.95
10	3	89	6	194.	7.2	14.6	13.8	14.1	14.3	5.4	5.5	-.06	.95
10	3	89	7	193.	7.1	14.2	13.4	12.9	13.3	5.6	5.6	-.06	.95
10	3	89	8	187.	6.7	14.2	14.0	13.3	13.5	5.6	5.7	-.06	.95
10	3	89	9	184.	6.4	12.0	11.4	13.3	13.9	5.6	5.7	-.09	.95
10	3	89	10	190.	5.2	9.8	9.4	14.3	16.3	5.6	5.7	-.12	.96
10	3	89	11	169.	4.8	9.2	9.0	12.3	13.8	5.8	6.0	-.16	.96
10	3	89	12	183.	3.6	6.0	5.6	12.4	13.9	6.0	6.3	-.16	.97
10	3	89	13	187.	3.5	6.8	6.6	12.7	13.7	6.6	7.0	-.22	.96
10	3	89	14	186.	3.3	8.2	7.6	15.1	15.5	7.9	8.8	-.37	.93
10	3	89	15	194.	5.1	9.0	8.6	12.1	13.1	8.1	9.0	-.47	.92
10	3	89	16	195.	5.2	8.6	8.2	10.2	10.8	8.8	9.4	-.43	.90
10	3	89	17	187.	4.1	7.8	7.4	11.8	11.9	8.7	9.2	-.34	.90
10	3	89	18	180.	2.5	5.2	4.8	21.1	31.1	7.0	6.7	.09	.94
10	3	89	19	72.	2.3	4.6	4.4	16.7	46.7	5.7	5.1	.34	.95
10	3	89	20	218.	1.3	4.0	3.8	38.6	146.3	5.9	4.5	.59	.94
10	3	89	21	263.	2.1	4.0	3.8	15.3	23.9	6.0	5.0	.22	.84
10	3	89	22	221.	1.2	2.8	2.6	10.4	20.5	5.0	3.9	.28	.85
10	3	89	23	302.	1.1	1.8	1.6	14.9	27.3	4.4	3.4	.40	.86
10	3	89	24	339.	1.2	2.6	2.4	16.5	22.2	3.7	3.1	.28	.87
11	3	89	1	335.	1.2	2.6	2.4	14.7	21.2	2.7	2.2	.19	.91
11	3	89	2	4.	.9	2.0	1.8	12.7	18.8	2.3	2.0	.25	.91
11	3	89	3	318.	.6	2.0	1.8	14.5	25.9	2.2	1.8	.50	.91
11	3	89	4	291.	1.1	2.8	2.8	62.8	91.8	1.8	1.7	.53	.91
11	3	89	5	312.	1.9	3.2	3.0	8.0	18.0	1.6	1.4	.09	.91
11	3	89	6	336.	1.7	2.8	2.8	5.6	13.8	1.2	1.2	-.03	.90
11	3	89	7	311.	1.0	2.8	2.8	49.0	80.9	1.2	1.0	.06	.90
11	3	89	8	291.	1.3	2.4	2.4	7.2	14.0	1.0	.8	.03	.89
11	3	89	9	302.	1.7	3.2	3.0	11.7	18.4	2.1	2.9	-.56	.85
11	3	89	10	288.	1.6	3.2	3.0	14.0	17.3	3.9	4.9	-.96	.78
11	3	89	11	232.	1.7	3.8	3.6	23.1	25.5	7.1	7.7	-1.40	.70
11	3	89	12	239.	3.1	8.2	8.0	18.6	19.0	8.6	9.1	-1.09	.59
11	3	89	13	245.	3.8	8.8	8.6	22.1	22.5	9.8	10.5	-1.06	.53
11	3	89	14	249.	5.0	10.6	9.8	18.2	18.9	9.9	10.4	-.90	.52
11	3	89	15	247.	5.4	12.2	11.4	18.4	19.0	9.9	10.3	-.78	.51
11	3	89	16	257.	5.2	11.8	11.0	18.2	19.1	9.8	10.1	-.62	.49
11	3	89	17	242.	4.5	11.4	11.0	16.2	20.1	9.2	9.5	-.50	.49
11	3	89	18	236.	3.4	7.6	6.4	16.4	16.7	8.2	8.1	-.19	.53
11	3	89	19	233.	3.5	6.6	6.4	11.2	13.9	7.1	6.7	.03	.56
11	3	89	20	222.	3.8	7.0	6.6	12.2	13.3	5.8	5.5	.03	.61
11	3	89	21	214.	3.2	6.2	6.0	13.3	13.8	5.2	4.9	.03	.67
11	3	89	22	222.	3.2	5.8	5.4	15.1	15.8	4.7	4.4	.03	.70
11	3	89	23	231.	2.8	6.8	6.4	20.9	21.3	4.3	4.1	.00	.73
11	3	89	24	218.	3.0	6.2	6.0	16.9	18.3	3.9	3.7	.03	.77
12	3	89	1	208.	2.3	5.0	4.8	11.7	13.0	3.5	3.0	.09	.81
12	3	89	2	200.	2.5	4.4	4.2	10.9	11.6	2.8	2.3	.03	.85
12	3	89	3	186.	3.0	4.8	4.6	11.1	12.3	2.4	2.0	.00	.86
12	3	89	4	200.	1.9	5.8	5.8	29.3	33.2	2.0	1.5	-.03	.88
12	3	89	5	209.	2.8	7.2	7.0	19.7	20.3	2.0	1.7	.06	.88
12	3	89	6	169.	1.7	5.8	5.6	53.9	108.8	2.2	1.6	.16	.89
12	3	89	7	184.	.9	3.8	3.6	69.0	88.0	2.0	1.2	.06	.90
12	3	89	8	176.	1.9	5.6	5.2	16.1	18.1	2.5	2.4	.03	.90
12	3	89	9	108.	2.1	4.8	4.6	16.9	36.7	3.3	3.5	-.16	.89
12	3	89	10	191.	2.5	6.0	5.6	18.4	26.2	4.7	5.2	-.37	.87
12	3	89	11	208.	3.1	8.0	7.4	18.2	20.4	6.8	7.7	-.59	.81
12	3	89	12	218.	4.8	9.0	8.2	13.3	15.2	7.5	8.2	-.59	.79
12	3	89	13	194.	4.2	7.4	6.8	13.1	13.9	7.5	8.1	-.37	.81
12	3	89	14	190.	3.8	6.8	6.6	16.0	16.9	7.7	8.3	-.43	.83
12	3	89	15	148.	3.1	6.4	6.2	14.1	19.3	7.7	8.1	-.28	.83
12	3	89	16	149.	2.9	5.6	5.4	12.9	14.4	7.0	7.2	-.22	.88
12	3	89	17	128.	2.7	4.6	4.4	10.7	13.0	6.0	6.1	-.16	.93
12	3	89	18	169.	2.5	4.2	3.8	9.9	15.8	5.4	5.3	-.03	.94
12	3	89	19	136.	2.7	4.8	4.6	9.8	16.2	4.9	4.7	.00	.94
12	3	89	20	179.	3.7	5.8	5.2	9.5	18.5	4.4	4.2	-.03	.94
12	3	89	21	180.	3.4	6.0	5.6	9.3	11.5	4.0	3.8	.00	.94
12	3	89	22	188.	3.6	7.0	6.4	10.6	11.7	4.1	4.0	-.06	.93
12	3	89	23	165.	2.7	5.2	4.6	10.8	13.8	4.2	4.1	-.03	.92
12	3	89	24	166.	2.1	4.2	4.0	12.7	13.2	4.2	4.1	-.03	.92

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
13	3	89	1	153.	2.3	4.2	4.0	15.2	16.8	4.1	4.2	-.09	.90
13	3	89	2	125.	2.5	4.8	4.6	12.4	15.7	3.8	3.9	-.09	.92
13	3	89	3	139.	3.1	6.6	5.8	11.1	12.2	3.7	3.8	-.06	.95
13	3	89	4	141.	5.2	10.4	9.8	12.9	13.6	3.9	4.0	-.12	.94
13	3	89	5	117.	4.8	8.6	8.4	12.0	14.1	3.5	3.6	-.12	.89
13	3	89	6	120.	5.6	11.2	10.6	11.7	11.8	3.5	3.6	-.09	.88
13	3	89	7	112.	7.2	12.2	11.8	11.2	11.5	3.3	3.4	-.12	.87
13	3	89	8	117.	7.3	12.4	11.4	10.7	11.0	3.1	3.2	-.12	.85
13	3	89	9	111.	6.7	11.2	10.8	10.8	11.2	2.5	2.6	-.12	.88
13	3	89	10	108.	5.1	9.8	9.6	11.2	11.6	1.0	1.1	-.12	.90
13	3	89	11	104.	4.0	7.2	6.6	10.1	10.1	.1	.2	-.12	.90
13	3	89	12	90.	4.2	7.6	7.0	11.6	12.4	.1	.2	-.12	.90
13	3	89	13	76.	4.4	11.0	10.0	16.0	16.5	.2	.3	-.16	.90
13	3	89	14	87.	4.3	8.2	8.0	11.6	12.7	1.1	1.2	-.03	.90
13	3	89	15	155.	3.2	6.4	5.8	26.0	43.1	2.3	2.2	.16	.92
13	3	89	16	7.	1.3	3.4	3.0	43.9	100.4	2.8	2.3	.16	.92
13	3	89	17	10.	.8	2.8	2.6	54.6	68.5	2.1	1.9	.31	.92
13	3	89	18	343.	1.9	3.6	3.2	11.0	18.9	1.8	1.6	.28	.92
13	3	89	19	329.	3.4	6.8	6.2	8.4	9.9	1.4	1.4	.03	.91
13	3	89	20	298.	3.7	6.0	5.6	7.2	12.9	1.3	1.3	-.09	.91
13	3	89	21	299.	3.6	6.2	5.8	7.7	8.2	.9	1.0	-.12	.90
13	3	89	22	299.	3.2	5.4	5.0	7.4	7.7	.8	.9	-.09	.90
13	3	89	23	294.	2.5	4.8	4.6	10.4	11.3	.8	.9	-.06	.88
13	3	89	24	299.	2.8	4.8	4.6	12.0	12.4	1.0	1.1	-.06	.87
14	3	89	1	277.	1.7	4.0	3.6	8.3	12.3	1.0	1.0	.03	.88
14	3	89	2	228.	.9	1.8	1.6	14.3	31.1	.8	.7	.09	.88
14	3	89	3	267.	1.4	5.2	4.8	42.4	45.6	1.1	.7	.31	.86
14	3	89	4	308.	1.4	5.2	4.8	39.8	43.8	1.6	1.0	.25	.85
14	3	89	5	292.	1.4	5.0	4.6	33.2	36.8	1.8	1.2	.19	.83
14	3	89	6	277.	3.7	8.2	7.4	16.2	16.5	2.2	2.1	.16	.79
14	3	89	7	297.	5.2	9.4	8.8	13.3	15.7	3.1	3.1	.03	.73
14	3	89	8	292.	4.3	8.4	8.2	17.2	18.5	3.4	3.4	-.03	.71
14	3	89	9	267.	1.9	5.6	5.4	33.2	34.2	4.6	4.8	-.47	.66
14	3	89	10	283.	3.5	7.6	7.2	17.8	18.3	5.5	5.7	-.71	.62
14	3	89	11	285.	7.1	13.8	13.4	13.6	13.8	6.2	6.4	-.59	.57
14	3	89	12	280.	6.8	13.2	12.4	14.2	14.3	6.0	6.1	-.37	.55
14	3	89	13	280.	6.1	12.2	11.2	14.3	14.6	5.9	5.9	-.28	.53
14	3	89	14	269.	5.9	12.0	11.4	13.3	14.1	6.5	6.6	-.47	.52
14	3	89	15	274.	5.3	12.2	11.4	15.2	16.6	7.0	7.2	-.59	.49
14	3	89	16	281.	7.3	14.6	13.4	14.3	15.6	7.0	7.2	-.56	.47
14	3	89	17	284.	5.4	13.6	12.8	17.0	17.2	6.4	6.6	-.47	.46
14	3	89	18	269.	4.0	7.8	7.6	14.2	15.8	5.7	5.6	-.28	.46
14	3	89	19	269.	4.4	8.8	8.4	16.1	17.0	4.4	4.4	-.03	.47
14	3	89	20	290.	3.4	7.2	6.6	15.3	16.5	3.5	3.4	.00	.51
14	3	89	21	295.	1.5	4.2	3.8	67.4	91.3	2.3	1.8	.12	.56
14	3	89	22	254.	2.3	5.6	5.0	22.6	28.3	2.0	1.5	.12	.56
14	3	89	23	240.	2.3	5.2	5.0	21.5	30.7	1.1	.8	.06	.56
14	3	89	24	271.	2.4	5.0	4.8	13.8	16.9	.6	.4	.09	.58
15	3	89	1	242.	2.2	4.8	4.4	13.7	16.2	.1	-.2	.16	.65
15	3	89	2	247.	1.1	3.8	3.6	29.0	29.8	-.5	-.9	.12	.68
15	3	89	3	52.	.7	3.2	2.8	35.8	74.1	-.5	-1.9	.25	.75
15	3	89	4	344.	1.3	2.8	2.8	33.4	64.3	-1.3	-2.2	.31	.79
15	3	89	5	307.	1.7	2.4	2.2	5.6	10.1	-1.9	-2.7	.22	.83
15	3	89	6	344.	2.7	4.6	4.2	6.0	15.2	-2.6	-3.0	.16	.80
15	3	89	7	329.	3.1	5.0	4.8	6.1	8.0	-2.4	-2.6	.06	.72
15	3	89	8	319.	1.4	3.6	3.2	14.9	18.1	-1.9	-1.3	-.16	.74
15	3	89	9	351.	1.4	4.0	3.6	11.2	17.5	-1.5	-1.0	-.12	.73
15	3	89	10	316.	1.0	3.2	3.0	50.3	64.6	-.1	.4	-.31	.71
15	3	89	11	294.	1.6	3.2	3.0	15.1	20.4	.2	.7	-.22	.74
15	3	89	12	329.	1.4	2.8	2.4	10.7	18.6	.6	1.1	-.06	.79
15	3	89	13	75.	1.5	4.8	4.4	14.5	38.2	1.4	1.5	.12	.81
15	3	89	14	73.	2.7	5.6	5.0	13.9	15.9	2.1	2.2	-.16	.89
15	3	89	15	82.	2.6	6.2	6.0	15.5	15.8	2.0	2.0	-.09	.91
15	3	89	16	76.	3.3	7.2	6.8	15.7	15.9	2.2	2.2	-.09	.90
15	3	89	17	65.	3.0	7.6	7.4	16.4	18.7	2.1	2.1	-.09	.90
15	3	89	18	52.	3.6	7.0	6.6	15.3	15.6	2.0	2.1	-.06	.89
15	3	89	19	28.	2.3	6.2	5.8	17.0	20.5	2.1	2.1	.00	.89
15	3	89	20	18.	2.0	4.2	4.0	13.0	13.7	2.1	2.0	.03	.90
15	3	89	21	356.	1.5	3.2	3.0	9.9	13.4	2.1	1.9	.00	.90
15	3	89	22	342.	1.8	3.8	3.6	10.7	11.4	1.9	1.8	-.06	.90
15	3	89	23	312.	2.6	3.8	3.6	7.4	11.1	1.5	1.5	.00	.91
15	3	89	24	304.	2.7	3.6	3.6	5.8	6.4	1.2	1.2	-.06	.91

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
16	3	89	1	312.	1.9	3.2	3.0	5.6	6.9	1.0	1.1	-.03	.91
16	3	89	2	326.	1.8	2.8	2.6	6.0	10.3	1.0	1.0	.00	.91
16	3	89	3	298.	1.8	3.0	2.8	5.1	9.4	.9	.9	-.03	.91
16	3	89	4	330.	2.0	3.8	3.6	5.8	11.8	.8	.9	-.09	.90
16	3	89	5	295.	1.1	2.6	2.4	8.4	18.8	.8	.9	-.09	.90
16	3	89	6	294.	1.8	3.8	3.6	6.9	7.6	.5	.7	-.09	.90
16	3	89	7	299.	.7	1.6	1.4	8.7	13.2	.4	.5	-.03	.90
16	3	89	8	298.	1.8	3.0	2.8	7.3	9.5	.4	.6	-.12	.90
16	3	89	9	315.	2.6	4.6	4.2	9.7	12.8	1.0	1.2	-.22	.90
16	3	89	10	309.	2.8	4.6	4.2	7.4	9.5	2.3	3.1	-.59	.83
16	3	89	11	311.	2.8	4.8	4.6	8.8	9.1	3.6	4.5	-.87	.78
16	3	89	12	304.	2.4	4.6	4.4	10.1	11.8	4.7	5.7	-.96	.72
16	3	89	13	295.	2.3	4.4	4.2	12.3	14.3	5.5	6.4	-1.09	.64
16	3	89	14	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
16	3	89	15	302.	3.1	5.6	5.0	11.1	12.2	6.3	7.3	-.87	.47
16	3	89	16	287.	2.8	5.2	5.0	13.8	15.1	6.6	7.5	-.84	.44
16	3	89	17	295.	2.8	5.6	5.4	14.5	15.5	6.7	7.2	-.81	.45
16	3	89	18	298.	3.4	6.8	6.4	13.9	14.1	5.6	5.6	-.37	.46
16	3	89	19	281.	2.1	4.6	4.2	19.0	19.6	4.1	3.7	-.09	.52
16	3	89	20	329.	1.5	4.0	3.6	28.7	31.7	2.9	2.5	-.06	.59
16	3	89	21	287.	1.7	3.6	3.2	10.1	15.3	2.4	1.4	.06	.64
16	3	89	22	305.	2.5	4.2	3.8	6.9	10.4	1.4	.9	.09	.70
16	3	89	23	299.	3.2	5.4	5.0	4.7	6.1	.6	.2	.28	.76
16	3	89	24	308.	3.6	5.4	5.2	4.7	5.6	.2	-.2	.16	.73
17	3	89	1	315.	3.9	6.2	5.8	5.8	6.3	.0	-.3	.03	.73
17	3	89	2	307.	3.7	5.4	5.2	7.2	7.8	-.2	-.5	-.03	.68
17	3	89	3	307.	4.1	6.0	5.8	5.3	6.7	-.8	-1.0	.00	.69
17	3	89	4	305.	3.8	5.0	5.0	5.3	5.4	-1.2	-1.4	-.06	.68
17	3	89	5	304.	3.5	5.0	4.8	6.0	6.7	-1.5	-1.7	-.09	.68
17	3	89	6	301.	3.8	5.2	5.0	4.4	5.4	-1.8	-2.0	-.03	.66
17	3	89	7	307.	3.8	5.0	4.8	4.4	4.9	-1.9	-2.0	-.03	.67
17	3	89	8	307.	3.7	5.0	4.8	4.7	5.1	-1.4	-.9	-.40	.65
17	3	89	9	307.	2.8	4.0	3.6	6.3	7.3	-.4	.5	-.62	.64
17	3	89	10	308.	2.4	3.8	3.6	8.1	8.4	1.5	2.5	-.90	.59
17	3	89	11	292.	2.8	4.2	4.0	8.6	9.6	3.4	4.4	-.96	.53
17	3	89	12	290.	2.5	4.2	4.0	11.5	12.8	5.1	6.0	-1.15	.49
17	3	89	13	264.	2.7	4.4	4.2	15.6	19.0	6.0	6.8	-1.06	.43
17	3	89	14	247.	2.2	4.8	4.2	18.1	22.1	6.8	7.5	-1.09	.38
17	3	89	15	277.	2.3	6.4	6.0	17.8	22.5	6.2	6.6	-.75	.37
17	3	89	16	315.	3.0	6.2	5.8	12.9	19.8	5.5	5.7	-.31	.40
17	3	89	17	336.	3.4	7.2	6.8	15.1	19.9	5.0	5.2	-.16	.41
17	3	89	18	312.	5.1	10.6	9.8	12.9	14.0	4.2	4.3	-.19	.39
17	3	89	19	311.	5.2	9.2	8.8	10.1	10.2	2.6	2.5	-.06	.41
17	3	89	20	309.	4.1	8.8	8.2	13.3	14.3	1.8	1.7	-.06	.41
17	3	89	21	297.	3.9	7.4	7.2	12.3	14.5	1.1	1.0	-.06	.45
17	3	89	22	311.	3.3	5.8	5.4	12.1	13.2	.3	.2	-.06	.53
17	3	89	23	302.	2.4	4.8	4.6	14.1	16.4	-.2	-.4	-.06	.56
17	3	89	24	305.	3.2	6.0	5.6	11.1	12.6	-.1	-.3	.00	.56
18	3	89	1	302.	3.4	5.6	5.4	8.7	9.5	-.4	-.5	.00	.57
18	3	89	2	294.	2.9	5.2	5.0	11.7	13.6	-.5	-.7	-.06	.56
18	3	89	3	262.	2.3	4.4	4.0	9.7	16.8	-.9	-1.0	.06	.56
18	3	89	4	204.	1.5	3.2	3.0	13.0	17.5	-1.2	-1.3	.03	.58
18	3	89	5	197.	1.0	2.0	1.8	12.3	15.7	-1.7	-2.1	.25	.62
18	3	89	6	190.	.9	2.4	2.2	18.3	23.4	-1.4	-2.1	.34	.62
18	3	89	7	205.	1.2	3.6	3.4	15.1	20.9	-1.5	-2.2	.09	.64
18	3	89	8	224.	1.1	4.2	4.0	54.3	74.4	-.1	.4	-.34	.64
18	3	89	9	225.	1.6	5.6	5.0	30.5	31.8	1.4	1.9	-.59	.64
18	3	89	10	224.	2.9	9.8	8.6	28.7	29.8	2.6	3.1	-.59	.64
18	3	89	11	247.	4.4	8.8	8.0	17.4	18.5	3.6	4.0	-.47	.61
18	3	89	12	238.	3.5	8.0	7.4	17.9	18.7	4.4	4.8	-.50	.59
18	3	89	13	209.	5.2	11.2	10.4	15.0	17.9	5.0	5.5	-.47	.59
18	3	89	14	232.	7.5	17.2	15.6	15.0	16.8	5.6	6.1	-.53	.56
18	3	89	15	226.	6.5	15.4	14.8	15.7	16.6	5.3	5.7	-.40	.55
18	3	89	16	217.	6.4	18.0	17.0	14.4	14.9	4.8	5.1	-.25	.57
18	3	89	17	214.	7.2	14.2	12.8	13.7	14.5	4.4	4.5	-.19	.59
18	3	89	18	202.	5.9	13.6	13.2	12.8	14.5	3.7	3.8	-.12	.66
18	3	89	19	194.	6.2	11.2	10.6	12.1	12.7	3.6	3.6	-.09	.74
18	3	89	20	201.	7.8	15.0	14.4	13.8	14.2	3.7	3.7	-.09	.76
18	3	89	21	202.	7.8	17.0	15.8	13.6	13.8	3.7	3.7	-.09	.77
18	3	89	22	194.	9.3	18.4	17.4	11.9	12.6	3.4	3.4	-.09	.81
18	3	89	23	198.	8.8	18.0	17.4	13.4	13.8	3.0	3.0	-.09	.88
18	3	89	24	198.	8.6	19.2	18.2	12.0	12.2	3.0	3.0	-.12	.90

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
19	3	89	1	207.	6.9	15.4	14.4	14.1	14.5	3.2	3.3	-.09	.91
19	3	89	2	236.	3.8	9.4	8.8	18.0	21.5	3.6	3.7	-.09	.89
19	3	89	3	233.	2.5	7.0	7.0	19.9	21.2	3.7	3.7	-.12	.89
19	3	89	4	180.	2.3	4.8	4.6	16.4	24.2	3.1	2.8	-.03	.91
19	3	89	5	172.	1.3	3.6	3.4	24.1	25.6	2.3	1.8	.06	.92
19	3	89	6	209.	2.7	4.4	4.2	10.8	14.7	2.2	1.7	.09	.91
19	3	89	7	207.	2.8	5.4	4.8	11.1	12.2	2.6	2.0	.22	.87
19	3	89	8	218.	2.6	6.4	6.0	17.2	20.0	4.0	4.3	-.31	.78
19	3	89	9	254.	2.4	5.4	5.4	16.4	18.3	6.2	6.7	-.90	.72
19	3	89	10	263.	4.3	9.6	9.0	16.5	17.0	8.4	8.8	-.75	.56
19	3	89	11	299.	5.1	12.2	11.6	17.7	20.3	9.5	10.0	-.78	.49
19	3	89	12	298.	4.9	10.2	9.8	17.0	19.1	9.9	10.7	-.75	.47
19	3	89	13	290.	5.0	10.8	10.2	14.1	15.9	10.3	11.0	-.84	.43
19	3	89	14	294.	2.6	6.0	5.8	21.9	24.5	11.7	12.7	-1.02	.42
19	3	89	15	236.	3.1	6.8	6.0	19.3	28.1	12.2	12.9	-1.09	.39
19	3	89	16	245.	4.3	9.0	8.6	18.6	20.1	11.6	12.0	-.78	.36
19	3	89	17	239.	3.3	7.0	6.6	20.7	23.2	11.2	11.6	-.65	.37
19	3	89	18	239.	3.2	7.4	7.0	16.3	17.8	9.9	9.9	-.37	.41
19	3	89	19	225.	2.7	5.8	5.4	27.0	27.8	8.1	7.7	.06	.46
19	3	89	20	253.	.8	4.2	3.8	76.8	96.6	6.8	5.8	.06	.56
19	3	89	21	245.	2.1	4.6	4.2	19.1	20.8	6.1	5.4	.19	.61
19	3	89	22	120.	2.1	5.0	4.8	32.8	57.1	6.1	5.8	.03	.62
19	3	89	23	200.	1.9	3.6	3.4	13.9	27.8	4.8	4.3	.50	.72
19	3	89	24	181.	2.5	4.4	4.2	7.7	9.4	4.9	4.7	.00	.73
20	3	89	1	145.	2.7	6.2	5.6	11.8	14.8	4.5	4.5	-.06	.88
20	3	89	2	156.	3.1	6.4	6.2	13.6	15.3	4.6	4.8	-.06	.97
20	3	89	3	166.	4.1	8.2	7.6	13.3	16.6	4.8	4.9	-.06	.97
20	3	89	4	172.	5.7	10.2	9.6	12.8	13.0	5.2	5.3	-.06	.97
20	3	89	5	184.	5.5	11.2	11.0	12.9	13.3	5.4	5.5	-.06	.97
20	3	89	6	188.	5.9	11.2	10.6	14.1	14.7	5.5	5.7	-.09	.97
20	3	89	7	190.	5.8	12.6	11.6	14.1	14.2	5.5	5.6	-.09	.97
20	3	89	8	193.	5.5	11.2	10.8	13.3	13.6	5.6	5.7	-.09	.97
20	3	89	9	174.	5.0	10.4	9.6	12.2	14.1	5.7	5.9	-.09	.97
20	3	89	10	188.	5.0	11.2	10.6	13.4	14.7	5.9	6.1	-.12	.98
20	3	89	11	187.	6.0	11.8	10.8	13.7	14.1	6.1	6.3	-.16	.98
20	3	89	12	193.	5.9	11.2	11.0	12.6	12.7	6.1	6.4	-.19	.98
20	3	89	13	191.	6.0	12.4	11.6	14.1	14.2	6.0	6.2	-.16	.98
20	3	89	14	181.	6.0	12.2	11.6	13.9	14.7	6.0	6.2	-.16	.98
20	3	89	15	177.	5.8	11.0	10.8	14.7	15.3	5.9	6.1	-.12	.97
20	3	89	16	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
20	3	89	17	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
20	3	89	18	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
20	3	89	19	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
20	3	89	20	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
20	3	89	21	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
20	3	89	22	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
20	3	89	23	-9900.	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	-9900.0	**********	
20	3	89	24	209.	2.3	4.6	4.4	19.9	20.2	2.9	2.8	-.06	.89
21	3	89	1	231.	1.1	3.4	3.2	52.6	111.6	2.4	1.9	.03	.90
21	3	89	2	204.	2.0	4.6	4.4	13.7	16.0	2.4	2.0	.00	.86
21	3	89	3	215.	2.2	5.0	4.8	14.8	16.4	1.4	.9	.06	.87
21	3	89	4	239.	1.6	3.8	3.6	20.5	23.0	1.2	.5	.22	.84
21	3	89	5	204.	1.5	4.0	3.8	11.4	15.3	1.2	.6	.22	.79
21	3	89	6	224.	1.8	3.2	2.8	5.1	11.6	.6	-.1	.65	.84
21	3	89	7	172.	1.5	2.6	2.4	11.3	31.1	.4	-.1	.62	.87
21	3	89	8	25.	.7	2.6	2.2	25.7	47.9	.7	.7	.03	.87
21	3	89	9	149.	1.3	2.6	2.4	21.6	32.9	1.4	1.7	-.37	.86
21	3	89	10	124.	1.8	3.6	3.4	13.9	16.8	2.8	3.3	-.25	.85
21	3	89	11	153.	3.0	7.6	7.4	16.2	19.6	4.1	4.5	-.25	.81
21	3	89	12	163.	5.3	12.2	11.0	13.0	13.7	4.2	4.6	-.22	.78
21	3	89	13	143.	5.3	9.8	9.0	15.8	17.2	4.1	4.7	-.28	.79
21	3	89	14	152.	5.5	9.6	8.8	13.8	14.8	3.8	4.2	-.25	.82
21	3	89	15	135.	5.8	10.8	10.6	13.6	15.8	3.6	3.9	-.19	.81
21	3	89	16	149.	5.5	11.4	11.0	14.3	17.6	3.0	3.1	-.16	.89
21	3	89	17	127.	5.8	10.8	10.2	13.4	15.1	2.8	2.9	-.12	.91
21	3	89	18	191.	3.4	9.0	8.6	13.6	25.4	2.9	3.0	-.12	.89
21	3	89	19	229.	3.9	8.6	8.0	13.1	16.2	2.3	2.3	-.09	.86
21	3	89	20	232.	4.3	7.6	7.2	13.3	13.4	1.8	1.7	-.03	.77
21	3	89	21	238.	4.5	10.0	9.0	16.8	17.4	1.5	1.4	-.03	.74
21	3	89	22	257.	4.8	10.4	10.0	19.7	20.8	1.6	1.5	.00	.70
21	3	89	23	240.	3.7	9.0	8.0	23.4	23.8	1.5	1.4	-.03	.67
21	3	89	24	66.	1.6	6.0	5.6	75.1	101.6	.6	.3	-.03	.73

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
22	3	89	1	209.	3.1	5.8	5.6	25.8	29.8	.5	.1	.12	.69
22	3	89	2	193.	1.8	4.8	4.4	17.1	22.8	.1	-.4	.03	.72
22	3	89	3	179.	2.1	4.4	4.4	15.9	20.2	-.1	-.7	.16	.74
22	3	89	4	253.	1.2	4.0	3.6	53.6	62.1	-.1	-.5	.06	.74
22	3	89	5	118.	1.1	3.4	3.2	42.2	50.3	-.5	-1.1	.09	.80
22	3	89	6	136.	1.6	5.0	4.6	35.4	42.4	-.2	-.8	.12	.81
22	3	89	7	200.	1.2	3.6	3.4	28.4	34.1	-.2	-.3	.25	.80
22	3	89	8	200.	2.2	5.0	4.6	7.3	8.3	1.8	2.8	-.71	.70
22	3	89	9	228.	2.5	5.4	5.2	13.2	16.9	3.3	4.1	-.96	.67
22	3	89	10	200.	2.4	4.8	4.6	20.8	26.7	5.6	6.4	-1.15	.64
22	3	89	11	238.	3.3	7.2	7.0	21.7	23.5	6.5	7.2	-.93	.60
22	3	89	12	218.	4.2	9.0	8.6	16.5	17.6	5.8	6.1	-.40	.60
22	3	89	13	200.	3.9	7.0	6.6	15.1	16.2	6.5	7.2	-.56	.62
22	3	89	14	181.	3.6	7.6	7.0	15.3	18.5	6.7	7.3	-.50	.63
22	3	89	15	202.	4.5	11.4	10.6	13.9	16.5	6.2	6.8	-.40	.75
22	3	89	16	166.	3.8	8.4	8.2	13.3	15.6	4.5	4.8	-.25	.82
22	3	89	17	155.	4.0	9.0	8.8	16.1	18.9	3.0	3.1	-.19	.91
22	3	89	18	129.	4.8	10.0	9.8	14.2	16.0	2.2	2.3	-.16	.92
22	3	89	19	86.	4.6	9.6	9.2	12.5	16.3	1.4	1.5	-.16	.92
22	3	89	20	56.	3.5	6.8	6.4	13.8	15.4	.8	.9	-.12	.91
22	3	89	21	38.	3.9	8.2	7.8	17.8	18.5	.6	.7	-.09	.90
22	3	89	22	22.	4.4	10.4	9.8	17.8	19.1	.5	.6	-.06	.90
22	3	89	23	22.	4.2	11.6	11.2	16.8	18.4	.4	.5	-.09	.90
22	3	89	24	354.	4.0	8.6	7.8	17.6	20.0	.8	.8	-.12	.88
23	3	89	1	349.	5.2	13.4	12.0	13.0	13.8	1.4	1.4	-.09	.85
23	3	89	2	335.	5.8	12.2	11.0	12.3	13.5	1.9	1.8	-.06	.83
23	3	89	3	329.	6.8	12.4	12.0	11.6	12.3	2.6	2.5	-.03	.79
23	3	89	4	307.	6.9	12.4	12.0	11.2	14.0	2.7	2.7	-.06	.79
23	3	89	5	309.	6.8	12.4	11.6	10.8	11.1	2.7	2.7	-.06	.76
23	3	89	6	297.	5.8	10.6	10.4	11.1	11.8	2.8	2.7	-.06	.68
23	3	89	7	294.	3.8	8.2	7.8	18.9	20.2	2.3	2.3	-.09	.71
23	3	89	8	294.	4.3	7.2	6.6	10.9	11.1	2.2	2.3	-.19	.69
23	3	89	9	295.	3.8	6.6	6.2	11.9	12.3	2.8	3.1	-.40	.62
23	3	89	10	304.	3.7	6.4	6.0	11.8	13.1	3.9	4.5	-.65	.56
23	3	89	11	307.	4.1	7.6	7.0	12.8	13.7	4.4	5.0	-.53	.50
23	3	89	12	297.	3.5	7.0	6.6	13.1	14.5	5.1	5.7	-.62	.47
23	3	89	13	294.	5.2	13.0	11.4	17.0	17.4	6.8	7.5	-.87	.43
23	3	89	14	301.	6.1	12.6	12.0	14.6	16.6	6.6	7.3	-.71	.46
23	3	89	15	277.	6.7	13.4	12.8	14.7	18.2	6.4	6.8	-.59	.48
23	3	89	16	264.	6.8	12.4	11.8	14.4	15.0	5.3	5.5	-.34	.48
23	3	89	17	246.	4.4	9.8	8.8	16.6	19.1	5.6	5.9	-.53	.46
23	3	89	18	242.	4.1	9.4	8.0	20.1	20.5	5.2	5.3	-.37	.46
23	3	89	19	229.	4.5	8.8	8.6	14.5	14.9	3.4	3.3	-.09	.51
23	3	89	20	209.	3.3	6.4	6.0	13.8	15.0	2.5	2.3	.00	.56
23	3	89	21	222.	2.1	6.2	5.8	18.5	19.3	1.3	1.0	.00	.68
23	3	89	22	219.	2.3	5.8	5.4	14.5	16.2	.6	.3	.03	.76
23	3	89	23	200.	1.7	5.6	5.4	37.6	38.4	.3	-.1	-.03	.78
23	3	89	24	225.	2.6	5.6	5.4	14.4	18.0	.0	-.3	.00	.79
24	3	89	1	128.	.8	2.4	2.2	28.3	39.4	-.4	-1.2	.09	.83
24	3	89	2	157.	2.1	4.2	3.8	14.1	17.4	-.7	-1.1	.00	.84
24	3	89	3	167.	2.0	4.6	4.2	19.4	20.5	-.7	-.8	.00	.85
24	3	89	4	108.	1.7	3.6	3.6	15.7	23.9	-.2	-.3	-.03	.84
24	3	89	5	125.	3.4	5.8	5.2	6.6	10.7	-.3	-.2	-.06	.88
24	3	89	6	129.	5.3	10.6	9.4	12.5	13.5	1.0	1.0	-.03	.91
24	3	89	7	150.	8.1	15.8	15.4	12.7	13.4	2.6	2.6	-.03	.93
24	3	89	8	156.	8.9	17.6	16.0	14.4	14.5	2.6	2.6	-.12	.91
24	3	89	9	156.	7.6	16.0	15.6	14.9	15.8	1.6	1.6	-.12	.91
24	3	89	10	184.	5.2	12.0	11.4	14.8	16.3	3.3	3.4	-.09	.92
24	3	89	11	228.	3.7	9.8	9.2	17.3	22.8	3.8	4.1	-.22	.90
24	3	89	12	226.	2.6	7.6	7.2	23.5	24.8	4.0	4.4	-.47	.85
24	3	89	13	218.	4.1	9.2	9.0	17.0	17.8	5.7	6.4	-.71	.80
24	3	89	14	228.	4.7	9.2	8.6	17.0	17.4	7.1	7.9	-.75	.73
24	3	89	15	243.	4.3	10.8	10.4	18.5	21.7	7.6	8.2	-.71	.69
24	3	89	16	224.	4.8	10.2	9.0	18.9	20.0	7.7	8.2	-.68	.66
24	3	89	17	225.	4.1	11.4	10.6	14.9	15.5	6.7	7.1	-.37	.68
24	3	89	18	231.	5.3	12.2	10.8	16.5	18.0	5.6	5.8	-.31	.70
24	3	89	19	217.	3.2	8.4	7.8	19.2	20.9	4.5	4.4	-.16	.73
24	3	89	20	214.	3.2	8.2	7.8	14.7	16.0	3.5	3.2	-.03	.80
24	3	89	21	207.	2.8	5.4	5.2	9.7	10.5	3.2	2.8	.06	.85
24	3	89	22	231.	2.0	3.8	3.6	10.0	13.2	3.0	2.4	.19	.87
24	3	89	23	311.	1.8	3.0	3.0	12.2	28.1	2.5	2.1	.06	.88
24	3	89	24	305.	2.8	3.8	3.6	6.0	8.9	1.2	.9	.16	.90

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
25	3	89	1	301.	2.6	3.8	3.6	4.9	9.2	.7	.4	.16	.90
25	3	89	2	301.	2.5	5.0	4.6	9.0	11.9	.1	-.3	.19	.89
25	3	89	3	305.	2.6	4.4	4.2	9.6	18.5	.7	.0	.34	.86
25	3	89	4	309.	1.5	3.0	2.8	10.1	17.5	.9	-.2	.37	.86
25	3	89	5	290.	2.1	3.2	3.0	7.0	14.1	.2	-.8	.25	.87
25	3	89	6	290.	3.3	4.6	4.6	3.1	6.7	-.4	-.6	.56	.88
25	3	89	7	301.	3.6	4.8	4.6	4.7	7.6	-.6	-.6	.43	.87
25	3	89	8	321.	3.7	5.4	5.0	6.9	10.6	.6	1.2	-.19	.78
25	3	89	9	328.	2.6	5.0	4.6	14.7	16.9	3.5	4.5	-.31	.70
25	3	89	10	305.	4.1	13.2	12.6	12.1	14.3	5.8	6.7	-.59	.64
25	3	89	11	304.	7.2	15.4	14.6	13.8	14.7	6.8	7.5	-.56	.56
25	3	89	12	305.	8.1	17.0	15.6	12.1	12.5	6.8	7.2	-.34	.52
25	3	89	13	301.	6.5	14.8	14.0	12.4	12.6	6.6	6.8	-.19	.51
25	3	89	14	295.	8.6	17.0	16.4	13.8	14.0	7.1	7.4	-.28	.45
25	3	89	15	301.	10.0	18.2	17.0	13.3	13.6	7.5	7.9	-.37	.43
25	3	89	16	312.	8.1	18.0	17.6	13.8	14.8	7.7	8.1	-.34	.41
25	3	89	17	302.	8.4	16.0	15.2	11.7	12.5	7.5	7.8	-.28	.44
25	3	89	18	302.	9.2	19.2	17.4	12.4	12.6	6.9	7.0	-.16	.46
25	3	89	19	295.	7.8	15.8	15.4	12.7	13.0	6.3	6.2	-.09	.47
25	3	89	20	295.	7.8	15.6	14.0	13.7	13.8	5.5	5.4	-.06	.49
25	3	89	21	294.	7.7	14.0	13.4	13.3	13.4	4.8	4.8	-.03	.50
25	3	89	22	298.	7.2	12.2	11.6	12.5	12.6	4.5	4.4	-.03	.49
25	3	89	23	302.	6.5	13.2	12.0	13.1	13.2	4.2	4.1	-.03	.50
25	3	89	24	301.	4.8	10.4	9.8	16.5	16.5	3.8	3.7	-.03	.51
26	3	89	1	292.	4.5	10.2	9.6	20.6	21.6	3.6	3.5	-.03	.51
26	3	89	2	298.	3.8	9.2	8.4	25.0	27.0	3.2	3.1	-.03	.53
26	3	89	3	285.	3.2	8.0	7.8	22.1	29.4	3.0	2.7	.03	.53
26	3	89	4	325.	4.1	7.0	6.8	12.3	16.5	2.9	2.6	.00	.53
26	3	89	5	316.	4.8	9.6	9.0	10.6	12.3	2.6	2.3	.06	.56
26	3	89	6	307.	4.1	7.0	6.6	8.3	10.4	2.4	2.0	.03	.56
26	3	89	7	288.	3.7	6.8	6.6	11.1	12.2	2.4	2.6	-.03	.54
26	3	89	8	291.	2.0	4.8	4.4	29.5	30.3	4.0	4.5	-.59	.50
26	3	89	9	280.	1.3	3.4	3.2	58.3	68.3	5.9	6.8	-.99	.43
26	3	89	10	302.	2.0	3.8	3.6	14.1	16.6	6.8	7.5	-1.24	.42
26	3	89	11	278.	2.1	4.0	3.6	16.2	19.3	7.7	8.8	-1.21	.39
26	3	89	12	342.	1.3	3.6	3.4	58.5	79.5	8.9	10.2	-.99	.37
26	3	89	13	129.	2.8	6.6	6.0	66.5	109.4	9.2	10.1	-.87	.39
26	3	89	14	136.	4.8	8.4	7.8	13.0	13.8	8.3	9.1	-.56	.43
26	3	89	15	163.	4.6	8.4	7.8	15.9	18.2	8.3	9.2	-.43	.41
26	3	89	16	183.	4.7	8.2	7.8	14.8	15.7	7.1	7.7	-.34	.43
26	3	89	17	172.	4.0	8.8	8.4	13.6	14.5	6.7	7.3	-.34	.44
26	3	89	18	136.	2.8	5.6	5.2	16.0	21.3	5.6	5.8	-.22	.69
26	3	89	19	186.	2.3	5.0	4.6	17.3	26.5	4.7	4.7	-.12	.92
26	3	89	20	228.	3.1	5.6	5.4	11.8	15.5	5.5	5.5	.03	.78
26	3	89	21	197.	1.8	4.2	3.8	11.3	14.5	5.6	5.6	-.09	.69
26	3	89	22	188.	1.9	3.8	3.6	10.2	12.3	5.2	5.1	-.03	.71
26	3	89	23	194.	2.7	5.0	4.8	11.3	12.3	5.0	5.0	-.12	.79
26	3	89	24	188.	2.8	5.6	5.4	12.8	13.5	4.8	4.9	-.12	.87
27	3	89	1	165.	2.3	4.6	4.4	14.3	17.7	4.3	4.4	-.16	.95
27	3	89	2	179.	1.5	3.2	3.0	15.0	15.3	4.1	4.3	-.12	.96
27	3	89	3	218.	1.6	2.8	2.6	10.4	13.2	4.2	4.3	-.12	.96
27	3	89	4	180.	.8	2.0	2.0	19.6	28.1	4.1	4.3	-.12	.96
27	3	89	5	142.	1.4	3.8	3.6	25.5	30.9	4.1	4.0	-.06	.95
27	3	89	6	201.	2.1	3.8	3.6	10.3	21.1	3.8	3.4	.00	.94
27	3	89	7	121.	1.0	2.4	2.4	18.1	27.9	3.7	3.3	.09	.93
27	3	89	8	114.	1.8	2.8	2.6	9.3	11.5	4.1	4.3	-.19	.94
27	3	89	9	267.	.3	1.6	1.4	59.4	99.7	7.3	8.2	-.75	.85
27	3	89	10	134.	.9	3.0	2.8	75.7	135.3	8.7	9.6	-.65	.82
27	3	89	11	118.	2.7	4.6	4.2	12.1	14.1	7.8	8.5	-.56	.88
27	3	89	12	114.	3.6	6.0	5.8	9.7	10.6	7.0	7.6	-.50	.94
27	3	89	13	117.	4.1	5.8	5.6	7.8	8.2	6.1	6.8	-.43	.96
27	3	89	14	118.	4.2	6.4	6.0	8.7	9.2	6.8	7.4	-.43	.95
27	3	89	15	131.	4.0	6.4	6.2	8.7	10.7	7.1	7.7	-.34	.93
27	3	89	16	118.	3.1	5.0	4.8	9.5	12.2	6.9	7.4	-.16	.93
27	3	89	17	120.	3.7	5.8	5.4	9.6	11.7	6.9	7.3	-.19	.93
27	3	89	18	129.	4.4	7.0	6.2	9.1	10.0	5.7	5.9	-.19	.96
27	3	89	19	135.	4.7	8.2	7.8	11.4	12.0	5.1	5.2	-.12	.97
27	3	89	20	115.	3.7	6.4	6.0	11.0	12.6	4.6	4.8	-.12	.97
27	3	89	21	121.	2.5	5.2	4.8	11.5	11.9	4.6	4.8	-.09	.97
27	3	89	22	104.	1.3	3.2	3.0	11.0	13.3	4.7	4.9	-.09	.97
27	3	89	23	86.	1.6	3.4	3.2	10.0	11.6	4.8	4.9	-.09	.97
27	3	89	24	98.	2.6	4.2	4.0	9.1	10.0	4.8	4.9	-.09	.97

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
28	3	89	1	93.	2.1	3.4	3.0	7.3	7.7	4.8	4.8	-.03	.96
28	3	89	2	96.	2.3	3.4	3.2	6.4	9.3	4.8	4.7	.06	.96
28	3	89	3	98.	2.3	4.2	3.8	6.1	7.7	4.7	4.6	.06	.96
28	3	89	4	44.	.9	2.2	2.2	13.6	26.4	4.7	4.3	.12	.95
28	3	89	5	48.	1.3	2.6	2.4	9.4	20.3	4.8	4.4	.12	.95
28	3	89	6	65.	1.3	2.4	2.4	9.3	13.6	4.8	4.6	.09	.96
28	3	89	7	91.	1.5	2.8	2.6	9.3	16.1	4.8	4.7	.00	.96
28	3	89	8	46.	1.1	2.0	1.8	27.6	32.5	5.0	5.1	-.12	.96
28	3	89	9	343.	.8	1.8	1.6	39.9	63.1	5.4	5.8	-.19	.95
28	3	89	10	8.	.6	2.2	2.2	56.4	63.4	6.6	7.2	-.31	.90
28	3	89	11	278.	1.3	2.6	2.4	22.5	24.1	7.1	7.8	-.62	.89
28	3	89	12	110.	1.0	3.0	2.8	44.5	58.6	8.7	9.1	-.62	.85
28	3	89	13	128.	2.8	6.0	5.4	15.6	16.5	9.1	9.9	-.43	.82
28	3	89	14	128.	3.7	6.4	5.8	12.4	13.6	8.5	9.2	-.43	.85
28	3	89	15	131.	4.2	6.6	6.0	10.5	11.1	6.9	7.3	-.34	.92
28	3	89	16	152.	3.9	6.8	6.6	12.3	13.6	6.4	6.7	-.22	.95
28	3	89	17	166.	4.5	9.4	8.8	14.2	14.5	6.1	6.3	-.16	.98
28	3	89	18	205.	4.6	9.0	8.4	12.7	15.6	6.5	6.7	-.16	.98
28	3	89	19	288.	5.5	15.4	14.8	18.7	32.7	7.5	7.5	-.06	.87
28	3	89	20	280.	8.3	17.0	15.4	14.5	14.7	6.8	6.7	-.03	.65
28	3	89	21	277.	8.1	15.4	14.4	15.6	15.7	6.3	6.2	-.03	.58
28	3	89	22	277.	7.0	14.4	13.4	13.8	14.1	5.9	5.8	-.03	.56
28	3	89	23	264.	4.5	10.4	10.2	14.5	15.6	5.5	5.3	.00	.57
28	3	89	24	262.	4.9	10.8	10.2	16.4	16.7	5.2	5.0	.06	.58
29	3	89	1	280.	7.0	12.6	11.0	12.5	13.0	5.4	5.3	.00	.58
29	3	89	2	295.	4.9	11.2	10.6	15.3	16.4	5.1	5.0	.00	.60
29	3	89	3	297.	2.8	6.0	5.8	13.0	15.1	4.3	4.0	.06	.63
29	3	89	4	260.	2.7	6.0	5.8	17.0	20.3	3.9	3.6	.09	.65
29	3	89	5	281.	3.0	8.4	7.6	35.5	42.8	3.9	3.5	.16	.65
29	3	89	6	322.	3.0	7.6	7.2	15.8	18.8	4.4	4.0	.09	.61
29	3	89	7	292.	3.2	8.2	7.6	18.4	21.6	4.8	4.7	.00	.61
29	3	89	8	287.	3.7	8.4	7.4	20.7	21.2	6.3	6.7	-.50	.58
29	3	89	9	307.	4.1	10.4	9.4	22.8	24.8	7.4	8.0	-.47	.58
29	3	89	10	304.	5.9	11.2	10.6	15.7	16.0	8.3	9.0	-.56	.53
29	3	89	11	318.	5.7	12.0	11.2	14.9	15.5	9.2	10.1	-.65	.49
29	3	89	12	297.	4.8	10.2	9.4	13.6	15.3	10.2	11.1	-.68	.44
29	3	89	13	273.	4.6	9.4	8.6	15.3	16.9	10.5	10.9	-.56	.43
29	3	89	14	262.	5.5	11.2	10.6	17.3	19.6	11.6	12.2	-.93	.42
29	3	89	15	277.	6.4	11.6	11.0	15.0	15.7	11.4	12.0	-.81	.41
29	3	89	16	291.	5.7	11.4	10.0	14.5	16.9	10.6	11.0	-.50	.43
29	3	89	17	294.	5.5	10.8	10.0	16.1	16.3	9.5	9.6	-.16	.45
29	3	89	18	271.	3.7	8.4	7.6	16.7	18.2	8.9	8.9	-.09	.48
29	3	89	19	269.	1.7	5.0	4.6	29.8	31.5	8.2	8.1	-.06	.54
29	3	89	20	262.	2.5	6.0	5.6	18.2	18.8	7.5	7.5	-.03	.60
29	3	89	21	270.	2.4	5.6	5.0	21.6	24.8	7.0	6.9	-.03	.62
29	3	89	22	276.	1.5	4.2	4.0	22.2	22.9	6.5	6.4	.00	.63
29	3	89	23	254.	1.7	4.2	4.0	14.6	20.2	6.2	6.0	.00	.63
29	3	89	24	231.	1.9	3.8	3.8	13.5	19.1	6.1	5.9	.06	.62
30	3	89	1	205.	1.4	4.2	4.0	57.4	74.2	5.7	5.5	-.03	.64
30	3	89	2	221.	2.4	8.6	8.2	40.3	48.4	5.5	5.3	.03	.65
30	3	89	3	236.	3.4	7.2	6.8	18.9	20.1	5.4	5.4	-.06	.66
30	3	89	4	200.	4.2	9.4	9.0	16.2	17.7	5.2	5.2	-.12	.68
30	3	89	5	187.	4.3	7.4	7.2	12.4	13.3	3.8	3.8	-.12	.87
30	3	89	6	177.	3.5	7.2	6.8	13.9	14.3	3.5	3.5	-.09	.90
30	3	89	7	195.	3.6	6.6	6.2	12.7	13.0	3.4	3.5	-.12	.90
30	3	89	8	205.	4.0	8.4	8.0	13.3	13.6	3.7	3.8	-.16	.88
30	3	89	9	108.	2.2	6.2	6.0	35.5	44.8	3.5	3.7	-.22	.92
30	3	89	10	103.	.4	1.4	1.2	27.2	36.4	3.5	3.8	-.19	.95
30	3	89	11	195.	.4	2.4	2.2	72.6	90.2	4.4	4.8	-.22	.94
30	3	89	12	211.	1.9	5.4	4.8	27.9	31.0	6.1	6.9	-.78	.88
30	3	89	13	276.	1.7	3.8	3.4	20.2	35.3	7.1	7.7	-.68	.82
30	3	89	14	222.	1.6	3.2	3.0	21.9	33.0	8.1	8.7	-.75	.79
30	3	89	15	139.	1.4	3.8	3.6	51.4	69.4	9.2	10.0	-.56	.79
30	3	89	16	115.	2.4	4.8	4.6	15.1	15.7	8.8	9.5	-.43	.86
30	3	89	17	150.	2.7	5.4	4.8	11.9	18.8	9.2	9.9	-.28	.86
30	3	89	18	139.	2.0	4.0	3.4	12.9	20.1	8.9	9.3	-.22	.89
30	3	89	19	118.	1.7	3.0	2.8	14.2	29.6	6.9	6.6	.40	.96
30	3	89	20	208.	1.5	3.2	3.0	38.1	54.9	6.7	5.7	1.12	.96
30	3	89	21	209.	1.3	3.0	3.0	24.7	29.9	6.4	5.5	1.06	.96
30	3	89	22	200.	1.2	2.4	2.2	11.5	16.7	6.9	6.2	.40	.90
30	3	89	23	226.	1.6	3.0	2.8	10.0	15.1	7.0	6.5	.25	.86
30	3	89	24	278.	1.4	2.8	2.6	15.5	28.8	6.6	5.9	.40	.87

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
31	3	89	1	339.	1.7	3.2	3.0	9.4	26.5	5.6	4.7	.40	.92
31	3	89	2	311.	2.1	3.6	3.4	9.4	18.5	4.5	3.4	.65	.94
31	3	89	3	347.	1.9	3.6	3.4	10.6	17.3	4.1	3.4	.34	.94
31	3	89	4	323.	2.0	3.2	3.0	7.4	11.8	4.9	4.3	.31	.91
31	3	89	5	328.	2.5	4.4	4.0	5.3	7.7	4.9	4.4	.34	.89
31	3	89	6	330.	3.8	5.0	4.8	4.9	7.0	4.6	4.1	.87	.89
31	3	89	7	314.	3.2	4.6	4.2	7.6	9.6	5.4	5.8	.16	.84
31	3	89	8	347.	2.3	4.4	4.2	10.9	17.2	6.6	7.2	-.16	.80
31	3	89	9	7.	2.0	4.2	4.0	16.0	20.6	9.1	10.4	-.22	.71
31	3	89	10	100.	2.4	4.8	4.4	26.9	47.8	10.4	11.4	-.78	.71
31	3	89	11	75.	3.5	6.8	6.6	24.0	25.8	10.5	11.6	-.90	.73
31	3	89	12	76.	5.0	10.6	10.2	19.4	20.9	10.5	11.4	-.87	.72
31	3	89	13	39.	4.7	9.2	9.0	23.8	27.6	9.1	9.6	-.50	.75
31	3	89	14	15.	4.6	10.0	9.8	21.0	22.8	8.2	8.5	-.22	.76
31	3	89	15	31.	4.3	10.4	10.0	18.5	20.6	7.8	8.1	-.22	.76
31	3	89	16	41.	4.4	9.6	8.2	18.7	20.4	7.2	7.4	-.19	.77
31	3	89	17	41.	4.3	9.4	9.0	18.3	19.0	6.9	7.1	-.19	.75
31	3	89	18	35.	3.6	7.6	7.2	21.0	23.9	6.9	7.0	-.16	.72
31	3	89	19	41.	2.9	6.4	5.8	15.7	16.3	6.4	6.4	-.06	.74
31	3	89	20	22.	2.6	4.4	4.2	9.7	11.7	6.0	5.6	.09	.76
31	3	89	21	51.	2.9	5.8	5.4	11.6	15.6	5.5	5.1	.09	.74
31	3	89	22	0.	1.7	4.4	4.0	9.1	21.6	5.1	3.8	.12	.76
31	3	89	23	45.	1.2	2.0	1.8	5.3	18.7	4.4	3.0	.19	.80
31	3	89	24	56.	1.9	3.0	3.0	8.2	13.0	4.4	2.8	.28	.80
MANGLER(ANT)				9	9	9	9	9	9	9	9	9	9
MANGLER(%)				1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
1	4	89	1	344.	1.9	3.6	3.2	12.1	25.1	3.7	3.2	.22	.77
1	4	89	2	39.	2.7	5.2	4.8	10.8	20.2	3.1	2.8	.09	.80
1	4	89	3	59.	3.4	7.6	6.8	14.7	16.5	3.4	3.4	-.09	.75
1	4	89	4	73.	3.3	5.6	5.6	11.5	12.5	2.8	2.9	-.12	.77
1	4	89	5	62.	2.7	5.6	5.4	15.4	16.5	2.4	2.4	-.09	.72
1	4	89	6	66.	2.3	6.4	6.0	16.7	17.9	1.8	1.8	-.09	.62
1	4	89	7	69.	2.9	7.4	6.6	17.2	17.4	1.7	1.8	-.12	.56
1	4	89	8	70.	4.3	9.2	8.8	16.1	16.3	2.3	2.6	-.34	.48
1	4	89	9	80.	4.6	9.2	8.2	17.0	20.0	3.4	4.1	-.62	.42
1	4	89	10	70.	4.5	9.4	8.4	17.0	19.7	4.1	4.8	-.81	.41
1	4	89	11	87.	3.7	7.2	6.8	21.4	23.3	4.5	5.4	-.99	.39
1	4	89	12	73.	3.5	7.0	6.4	27.8	29.2	5.3	6.3	-.93	.39
1	4	89	13	48.	2.7	6.0	5.8	35.0	43.8	5.9	7.0	-.87	.40
1	4	89	14	31.	3.4	9.0	8.8	33.7	38.1	6.3	7.5	-.75	.40
1	4	89	15	30.	2.8	9.8	8.6	31.8	39.3	7.1	8.2	-.78	.40
1	4	89	16	56.	2.7	6.4	6.0	30.9	35.0	7.2	8.5	-.50	.39
1	4	89	17	86.	2.3	6.0	5.8	22.9	24.8	7.5	8.3	-.71	.37
1	4	89	18	77.	2.1	4.4	4.0	16.3	16.8	7.0	7.4	-.59	.39
1	4	89	19	247.	1.5	3.6	3.4	27.2	71.6	5.0	4.8	-.16	.47
1	4	89	20	329.	1.4	3.8	3.6	25.7	44.3	3.7	2.7	.19	.58
1	4	89	21	42.	2.2	5.2	4.6	14.9	37.1	3.0	1.9	.43	.69
1	4	89	22	32.	2.6	4.8	4.6	10.3	11.6	3.3	2.3	.22	.57
1	4	89	23	27.	3.3	6.6	6.4	11.4	12.9	2.6	2.0	.12	.56
1	4	89	24	38.	3.7	6.8	6.4	11.8	12.7	1.8	1.6	.00	.53
2	4	89	1	41.	3.9	6.8	6.4	13.5	13.7	1.2	1.1	.06	.51
2	4	89	2	59.	4.6	8.8	8.0	13.8	15.4	.7	.6	-.03	.53
2	4	89	3	41.	3.6	7.6	6.6	12.8	13.7	-.1	-.2	-.03	.56
2	4	89	4	55.	3.3	6.4	6.0	12.0	18.1	-.7	-.8	.03	.57
2	4	89	5	34.	2.3	4.6	4.4	15.9	19.2	-.7	-.7	-.06	.57
2	4	89	6	15.	1.8	6.2	5.8	20.9	26.5	-.8	-.9	-.12	.57
2	4	89	7	44.	3.1	7.8	7.6	21.9	24.7	-.6	.0	-.16	.55
2	4	89	8	46.	4.8	10.8	10.2	17.0	18.2	-.7	-.4	-.31	.54
2	4	89	9	44.	6.3	14.2	13.6	19.8	20.6	-.5	.0	-.37	.51
2	4	89	10	46.	5.2	12.4	12.0	20.8	21.7	.3	1.2	-.65	.47
2	4	89	11	63.	7.2	14.8	13.8	18.2	18.8	.4	1.2	-.78	.45
2	4	89	12	25.	6.4	12.2	11.6	18.9	26.9	.0	.7	-.62	.46
2	4	89	13	45.	6.1	12.2	11.8	20.9	23.3	.0	.6	-.47	.45
2	4	89	14	45.	5.7	11.8	11.0	23.9	25.0	.9	1.8	-.71	.44
2	4	89	15	49.	5.4	11.8	11.0	22.0	24.0	1.3	2.1	-.75	.43
2	4	89	16	62.	5.4	11.0	10.8	19.4	20.2	1.5	2.2	-.65	.42
2	4	89	17	35.	5.7	12.6	10.6	21.1	23.1	1.4	2.0	-.50	.41
2	4	89	18	65.	5.0	10.4	10.2	17.1	18.8	1.2	1.5	-.40	.42
2	4	89	19	42.	3.2	7.2	6.8	17.2	19.4	.5	.5	-.19	.44
2	4	89	20	42.	2.5	5.8	5.0	13.3	15.8	-.2	-.5	.00	.46
2	4	89	21	21.	2.2	3.6	3.4	8.6	10.9	-.6	-1.2	.09	.47
2	4	89	22	15.	2.6	3.6	3.4	6.4	7.2	-.8	-1.5	.12	.49
2	4	89	23	21.	2.3	3.4	3.2	5.6	6.7	-1.2	-2.2	.16	.51
2	4	89	24	344.	2.5	4.6	4.2	4.7	9.9	-1.7	-2.4	.16	.53
3	4	89	1	330.	3.5	5.4	5.2	7.2	8.4	-2.1	-2.3	-.06	.52
3	4	89	2	316.	3.3	5.0	4.8	6.1	9.2	-2.1	-2.4	-.06	.52
3	4	89	3	326.	2.7	4.8	4.6	5.6	6.7	-2.6	-3.0	.03	.58
3	4	89	4	321.	2.7	4.6	4.4	7.2	9.5	-2.9	-3.3	.06	.62
3	4	89	5	314.	2.9	4.4	4.2	6.4	8.9	-3.1	-3.4	.06	.63
3	4	89	6	323.	2.5	5.0	4.6	7.2	8.3	-3.1	-3.3	.00	.62
3	4	89	7	307.	2.8	4.4	4.2	7.6	8.3	-2.6	-2.6	-.09	.61
3	4	89	8	297.	2.5	4.6	4.4	11.3	15.1	-1.6	-1.0	-.40	.58
3	4	89	9	309.	3.3	6.0	5.8	9.1	11.7	-.1	.9	-.68	.52
3	4	89	10	301.	3.2	5.4	5.0	9.4	10.8	1.2	2.1	-.68	.46
3	4	89	11	308.	2.6	5.6	4.8	11.0	12.3	2.1	3.0	-.62	.41
3	4	89	12	301.	2.3	4.2	4.0	16.1	17.0	4.1	5.2	-1.02	.36
3	4	89	13	7.	2.2	6.6	6.0	34.2	40.6	5.4	6.5	-.90	.31
3	4	89	14	56.	4.8	9.8	9.4	24.4	35.7	5.8	6.7	-.75	.24
3	4	89	15	72.	4.9	10.0	9.6	18.9	20.2	5.3	6.0	-.75	.28
3	4	89	16	55.	4.8	10.6	9.6	18.5	19.3	5.2	5.8	-.65	.31
3	4	89	17	65.	4.4	10.8	10.0	22.6	24.6	4.2	4.4	-.28	.36
3	4	89	18	86.	4.7	9.6	9.0	15.8	17.2	3.2	3.3	-.22	.46
3	4	89	19	96.	4.8	11.4	9.8	14.5	18.5	2.6	2.7	-.19	.53
3	4	89	20	90.	3.1	6.8	6.4	13.0	13.3	1.8	1.8	-.09	.60
3	4	89	21	66.	2.4	4.8	4.6	10.6	14.5	1.1	.9	.03	.63
3	4	89	22	69.	3.6	7.4	7.2	11.1	11.3	.7	.6	.03	.63
3	4	89	23	76.	3.8	7.8	7.0	13.0	13.4	.7	.7	-.06	.64
3	4	89	24	75.	3.4	7.6	7.0	12.6	12.7	.5	.5	-.06	.65

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
4	4	89	1	56.	3.1	5.4	5.2	10.9	12.5	-.2	-.3	.00	.68
4	4	89	2	52.	3.3	5.8	5.2	12.0	12.7	-.7	-.7	-.03	.71
4	4	89	3	31.	2.6	4.8	4.6	11.5	14.7	-1.1	-1.2	-.03	.73
4	4	89	4	35.	2.8	4.4	4.2	10.2	10.8	-1.1	-1.0	-.06	.72
4	4	89	5	24.	2.9	6.0	5.8	10.6	11.8	-1.1	-1.1	-.09	.72
4	4	89	6	45.	3.1	5.8	5.6	11.2	13.0	-1.3	-1.3	-.06	.74
4	4	89	7	55.	2.4	6.4	5.4	15.7	17.6	-.9	-.6	-.19	.73
4	4	89	8	56.	4.0	7.2	7.2	17.6	19.8	-.2	.4	-.50	.70
4	4	89	9	59.	4.1	8.8	8.0	21.4	23.1	.2	.8	-.62	.67
4	4	89	10	90.	4.6	9.2	8.2	17.9	20.6	.5	1.1	-.71	.63
4	4	89	11	58.	4.3	9.4	8.8	18.7	20.3	.8	1.4	-.68	.61
4	4	89	12	93.	4.2	9.0	8.6	16.6	20.6	.7	1.2	-.53	.60
4	4	89	13	84.	4.6	8.4	7.6	17.7	19.4	1.8	2.8	-.84	.58
4	4	89	14	89.	4.3	8.0	7.4	19.9	21.8	2.6	3.5	-.87	.56
4	4	89	15	72.	4.0	9.0	8.6	20.3	21.4	3.4	4.3	-.90	.54
4	4	89	16	91.	3.5	8.0	7.2	21.4	23.4	3.7	4.6	-.81	.52
4	4	89	17	87.	3.2	6.2	5.8	20.3	23.8	3.8	4.5	-.65	.53
4	4	89	18	86.	3.5	6.4	6.2	16.2	18.5	3.4	3.8	-.53	.52
4	4	89	19	127.	2.5	5.6	5.2	11.9	17.3	2.6	2.5	-.22	.54
4	4	89	20	87.	2.4	3.2	3.0	4.2	13.3	1.5	.8	.25	.58
4	4	89	21	84.	2.9	4.6	4.4	5.4	7.0	1.2	.6	.28	.60
4	4	89	22	75.	3.1	5.0	4.6	6.6	7.6	.7	.4	.25	.60
4	4	89	23	51.	2.7	4.2	3.8	6.7	10.0	.2	-.1	.25	.61
4	4	89	24	44.	2.6	4.2	4.0	9.8	10.0	-.4	-.8	.25	.62
5	4	89	1	32.	2.3	3.8	3.6	11.5	12.9	-.8	-1.2	.22	.64
5	4	89	2	22.	2.0	4.4	4.2	13.7	14.2	-1.0	-1.7	.09	.65
5	4	89	3	21.	3.2	5.0	4.8	10.0	10.2	-1.1	-1.4	.03	.64
5	4	89	4	24.	3.7	5.8	5.6	9.5	9.6	-1.2	-1.4	.03	.62
5	4	89	5	18.	3.8	5.8	5.6	8.2	9.0	-1.5	-1.6	.00	.63
5	4	89	6	15.	3.9	6.0	6.0	7.8	8.3	-1.9	-2.1	.03	.65
5	4	89	7	38.	3.3	5.2	5.0	10.3	13.3	-1.4	-1.0	.00	.64
5	4	89	8	53.	3.2	7.6	7.2	21.5	22.3	.4	1.2	-.47	.64
5	4	89	9	75.	4.3	8.6	8.2	18.2	19.6	1.6	2.3	-.65	.62
5	4	89	10	75.	6.0	12.2	11.6	18.0	18.7	2.2	2.8	-.75	.59
5	4	89	11	70.	5.8	13.0	12.2	19.4	20.2	2.9	3.6	-.75	.57
5	4	89	12	72.	5.3	12.8	11.0	21.2	24.9	3.8	4.6	-.81	.54
5	4	89	13	52.	5.5	12.6	11.6	23.9	26.3	4.5	5.5	-.71	.51
5	4	89	14	48.	5.4	12.2	11.0	23.4	24.4	5.2	6.1	-.75	.50
5	4	89	15	34.	5.6	12.6	11.0	22.7	24.1	5.8	6.6	-.68	.49
5	4	89	16	45.	5.9	14.2	13.2	20.5	21.4	6.1	6.8	-.56	.47
5	4	89	17	53.	5.6	13.0	11.8	20.8	21.4	6.5	7.0	-.47	.46
5	4	89	18	46.	4.7	13.6	12.8	20.5	21.0	6.3	6.7	-.37	.45
5	4	89	19	62.	4.4	10.8	9.6	18.4	19.3	5.6	5.6	-.19	.46
5	4	89	20	60.	4.7	9.6	9.2	18.0	18.2	4.7	4.6	-.06	.47
5	4	89	21	69.	5.4	12.6	11.6	15.7	16.0	4.2	4.1	-.06	.48
5	4	89	22	75.	4.9	11.0	10.2	15.7	16.0	3.4	3.3	-.06	.51
5	4	89	23	63.	4.9	10.6	10.2	15.8	16.2	2.7	2.7	-.09	.55
5	4	89	24	58.	4.6	10.4	10.0	19.3	19.4	2.2	2.1	-.09	.58
6	4	89	1	39.	4.9	11.6	11.2	20.3	21.3	1.7	1.7	-.09	.59
6	4	89	2	38.	6.1	12.4	11.2	18.0	18.1	1.4	1.4	-.09	.59
6	4	89	3	38.	6.7	14.0	12.6	15.7	15.7	1.2	1.2	-.09	.57
6	4	89	4	38.	6.1	12.4	11.4	16.3	16.5	.7	.7	-.09	.56
6	4	89	5	17.	4.7	11.2	10.0	15.3	16.5	.2	.2	-.09	.57
6	4	89	6	17.	4.8	10.0	9.2	15.0	16.2	.0	-.1	-.09	.59
6	4	89	7	17.	5.4	14.0	12.8	15.8	16.1	.4	.8	-.12	.58
6	4	89	8	25.	5.4	12.2	11.4	16.5	16.8	1.4	2.0	-.22	.57
6	4	89	9	51.	6.4	13.0	12.4	18.1	19.6	3.0	3.6	-.43	.56
6	4	89	10	59.	6.9	16.8	16.2	22.9	23.6	4.2	4.9	-.56	.54
6	4	89	11	39.	6.9	15.6	15.0	20.3	22.0	3.2	3.4	-.25	.54
6	4	89	12	41.	6.1	13.6	12.6	19.2	20.3	3.1	3.3	-.19	.57
6	4	89	13	56.	6.9	14.8	14.2	20.5	21.9	2.7	3.0	-.25	.66
6	4	89	14	56.	5.4	14.6	13.6	20.9	22.6	2.9	3.1	-.25	.71
6	4	89	15	65.	5.4	13.0	11.4	18.9	19.4	3.2	3.4	-.28	.70
6	4	89	16	59.	5.5	11.8	11.0	18.2	18.5	2.1	2.2	-.19	.83
6	4	89	17	42.	4.7	13.0	12.0	22.2	23.1	.9	1.0	-.16	.90
6	4	89	18	52.	3.7	8.4	8.2	23.4	23.6	.9	1.0	-.12	.88
6	4	89	19	59.	4.4	11.6	10.4	21.3	21.8	1.1	1.1	-.12	.88
6	4	89	20	58.	3.9	8.2	7.8	20.5	20.6	.9	1.0	-.12	.88
6	4	89	21	62.	3.6	8.0	7.6	18.0	18.3	.9	1.0	-.09	.88
6	4	89	22	59.	4.2	8.0	7.6	18.4	18.5	1.0	1.1	-.12	.89
6	4	89	23	62.	4.0	8.6	7.8	18.8	19.6	1.2	1.3	-.12	.89
6	4	89	24	53.	5.1	9.6	9.2	14.9	15.1	1.4	1.5	-.12	.90

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
7	4	89	1	60.	4.6	9.0	8.6	13.6	13.7	1.5	1.6	-.12	.90
7	4	89	2	63.	4.3	8.4	7.8	15.7	16.2	1.8	1.9	-.09	.90
7	4	89	3	59.	3.7	7.8	7.4	16.8	17.0	2.1	2.2	-.09	.90
7	4	89	4	60.	4.0	7.8	7.4	14.5	14.8	2.5	2.6	-.06	.89
7	4	89	5	63.	4.2	8.8	7.8	15.3	15.5	2.9	3.0	-.06	.89
7	4	89	6	60.	5.3	9.6	9.0	13.1	13.3	3.0	3.1	-.09	.89
7	4	89	7	59.	4.5	9.2	9.0	16.7	16.8	3.3	3.4	-.12	.88
7	4	89	8	79.	3.6	8.6	8.0	18.4	19.5	3.5	3.6	-.12	.88
7	4	89	9	72.	3.1	6.2	6.0	18.2	18.4	3.7	3.8	-.12	.90
7	4	89	10	89.	3.5	7.4	7.0	16.9	18.3	4.0	4.1	-.12	.91
7	4	89	11	76.	4.6	9.4	8.8	17.0	18.3	4.1	4.3	-.16	.91
7	4	89	12	97.	4.6	8.6	8.2	13.6	15.0	4.0	4.1	-.16	.91
7	4	89	13	77.	4.6	10.0	8.6	14.0	14.8	3.9	4.0	-.16	.93
7	4	89	14	90.	4.8	9.0	8.4	14.6	15.8	3.8	3.9	-.16	.92
7	4	89	15	75.	4.4	9.0	8.4	14.4	15.2	3.5	3.6	-.16	.92
7	4	89	16	80.	5.0	10.0	9.6	14.3	15.3	3.4	3.6	-.12	.91
7	4	89	17	87.	5.2	9.4	9.0	15.1	15.6	3.4	3.6	-.12	.92
7	4	89	18	84.	3.9	8.0	7.6	17.5	18.6	3.6	3.7	-.12	.93
7	4	89	19	91.	4.0	7.4	6.8	16.0	17.4	3.7	3.8	-.09	.93
7	4	89	20	93.	4.4	8.0	7.8	12.5	13.2	4.0	4.0	-.12	.94
7	4	89	21	98.	4.6	8.4	7.8	12.6	12.9	4.0	4.1	-.12	.93
7	4	89	22	108.	4.6	8.2	7.8	12.7	13.0	4.0	4.1	-.12	.94
7	4	89	23	115.	4.7	9.4	8.4	11.4	11.8	4.0	4.1	-.12	.94
7	4	89	24	110.	5.3	10.6	10.6	11.3	12.3	4.0	4.2	-.12	.94
8	4	89	1	120.	4.9	9.6	9.2	12.4	14.0	4.0	4.2	-.12	.94
8	4	89	2	132.	4.3	7.6	7.2	12.3	14.5	4.2	4.3	-.12	.95
8	4	89	3	141.	4.0	7.4	6.8	13.4	14.6	4.2	4.3	-.12	.95
8	4	89	4	146.	3.8	8.4	7.8	14.0	14.9	4.3	4.4	-.12	.95
8	4	89	5	155.	3.5	8.2	7.8	13.2	15.1	4.3	4.4	-.12	.95
8	4	89	6	135.	3.8	7.0	6.6	13.3	14.3	4.3	4.4	-.12	.95
8	4	89	7	141.	4.3	8.0	7.6	13.1	13.6	4.3	4.4	-.12	.95
8	4	89	8	149.	3.6	8.6	8.0	13.3	13.8	4.3	4.4	-.16	.94
8	4	89	9	150.	3.4	6.8	6.4	15.2	15.4	4.6	4.7	-.16	.94
8	4	89	10	142.	2.9	5.8	5.6	14.5	15.8	4.7	4.9	-.19	.95
8	4	89	11	146.	4.1	8.8	8.4	13.2	13.6	4.7	4.9	-.19	.95
8	4	89	12	135.	4.1	9.0	8.4	14.1	14.9	4.7	4.9	-.19	.94
8	4	89	13	143.	3.9	9.2	8.8	13.6	14.4	4.9	5.2	-.19	.94
8	4	89	14	135.	4.1	8.2	7.8	14.3	14.8	5.4	5.7	-.22	.93
8	4	89	15	170.	5.2	11.0	10.2	13.9	21.3	5.1	5.4	-.25	.91
8	4	89	16	134.	3.5	8.0	7.2	15.2	16.2	4.5	4.9	-.25	.91
8	4	89	17	142.	3.8	7.8	6.8	14.6	16.2	4.4	4.5	-.19	.92
8	4	89	18	150.	3.9	8.2	7.8	13.3	14.2	4.3	4.5	-.16	.94
8	4	89	19	177.	3.4	8.0	7.4	15.1	18.3	4.3	4.4	-.16	.94
8	4	89	20	163.	3.5	7.6	7.2	14.5	14.9	4.1	4.2	-.12	.93
8	4	89	21	163.	3.6	6.8	6.4	14.4	14.9	4.2	4.3	-.16	.93
8	4	89	22	169.	3.1	6.4	6.0	14.9	15.2	4.2	4.3	-.12	.94
8	4	89	23	162.	3.0	6.6	6.2	14.0	15.5	4.2	4.3	-.12	.94
8	4	89	24	170.	3.2	6.6	6.0	13.2	14.3	4.2	4.3	-.12	.93
9	4	89	1	157.	2.8	5.8	5.2	13.2	14.4	4.0	4.1	-.12	.93
9	4	89	2	166.	2.4	5.4	5.2	13.1	14.5	4.1	4.2	-.09	.94
9	4	89	3	149.	2.7	5.2	5.0	12.1	12.8	4.2	4.3	-.12	.94
9	4	89	4	177.	3.0	5.6	5.2	10.6	14.8	4.1	4.2	-.12	.93
9	4	89	5	165.	2.1	3.6	3.4	9.1	11.1	3.9	3.9	-.09	.94
9	4	89	6	170.	2.3	5.0	4.6	10.3	13.9	4.0	4.1	-.06	.94
9	4	89	7	173.	2.2	4.2	4.0	14.5	15.2	4.0	4.2	-.16	.93
9	4	89	8	186.	1.9	4.4	4.0	16.2	19.3	4.6	5.1	-.34	.92
9	4	89	9	193.	1.7	4.0	3.8	15.1	15.3	5.3	5.9	-.37	.88
9	4	89	10	188.	1.9	4.2	4.0	20.6	21.9	6.0	6.8	-.43	.84
9	4	89	11	198.	2.3	5.0	4.8	21.8	31.8	6.2	6.7	-.31	.86
9	4	89	12	231.	2.7	7.0	6.6	15.3	19.2	6.3	6.8	-.37	.83
9	4	89	13	278.	1.6	3.6	3.4	25.6	31.0	7.1	7.6	-.50	.78
9	4	89	14	118.	1.4	3.0	2.8	53.3	112.6	7.4	7.8	-.43	.82
9	4	89	15	132.	1.7	3.2	3.0	14.1	18.0	7.4	8.0	-.34	.88
9	4	89	16	231.	1.6	4.2	4.0	29.0	51.2	8.6	9.2	-.40	.78
9	4	89	17	232.	3.0	6.2	5.6	18.8	19.4	9.5	9.9	-.62	.65
9	4	89	18	212.	2.9	6.8	6.0	15.5	20.4	9.1	9.4	-.43	.65
9	4	89	19	208.	2.1	4.6	4.4	13.8	15.9	8.2	8.2	-.25	.74
9	4	89	20	225.	1.8	4.2	4.0	19.0	19.8	6.8	6.2	.06	.79
9	4	89	21	242.	2.1	4.4	4.0	13.4	18.7	6.1	5.7	.06	.78
9	4	89	22	187.	1.1	2.8	2.6	57.0	60.6	5.3	4.6	.00	.83
9	4	89	23	167.	1.1	2.8	2.6	29.4	40.5	4.5	3.6	.37	.88
9	4	89	24	145.	.4	1.6	1.6	30.8	32.6	3.9	2.6	.34	.91

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
10	4	89	1	218.	.6	1.8	1.8	44.3	46.1	3.1	2.1	.50	.91
10	4	89	2	347.	1.0	2.2	2.0	10.6	36.8	2.2	1.1	.37	.90
10	4	89	3	332.	1.2	2.6	2.4	7.2	14.5	1.3	.5	.71	.89
10	4	89	4	277.	1.3	2.8	2.6	8.6	26.1	.2	-.1	.62	.88
10	4	89	5	311.	1.1	2.0	1.8	20.7	32.4	-.1	-.6	.62	.88
10	4	89	6	235.	1.4	2.6	2.6	17.4	40.6	-.8	-.8	.75	.87
10	4	89	7	305.	.7	2.2	2.2	44.2	60.4	-.9	-.7	.22	.88
10	4	89	8	149.	.4	2.2	2.0	56.9	95.3	-.3	.0	.03	.88
10	4	89	9	309.	.5	1.8	1.6	41.3	107.4	1.6	1.9	-.03	.91
10	4	89	10	101.	.2	2.6	2.2	44.5	77.4	2.6	2.9	.28	.92
10	4	89	11	121.	2.5	5.0	4.8	15.7	17.8	4.1	4.5	-.31	.92
10	4	89	12	128.	2.9	4.6	4.4	13.2	14.1	5.0	5.4	-.34	.86
10	4	89	13	114.	4.0	8.4	8.0	13.6	14.7	6.0	6.7	-.43	.79
10	4	89	14	118.	5.2	10.2	9.8	12.4	13.4	7.7	8.3	-.47	.71
10	4	89	15	105.	6.5	12.8	11.0	12.4	13.2	7.4	7.6	-.25	.70
10	4	89	16	125.	6.6	11.8	11.4	12.9	14.3	7.0	7.0	-.16	.77
10	4	89	17	134.	6.2	12.8	12.4	13.0	13.6	5.6	5.7	-.16	.93
10	4	89	18	107.	6.3	13.0	11.8	13.0	16.2	5.1	5.2	-.16	.94
10	4	89	19	112.	5.1	12.2	11.2	17.2	21.0	5.1	5.1	-.12	.94
10	4	89	20	114.	6.2	12.4	11.8	14.1	15.1	5.6	5.7	-.09	.94
10	4	89	21	117.	7.7	14.8	13.8	12.1	12.3	6.0	6.0	-.09	.93
10	4	89	22	127.	7.2	13.4	12.6	12.8	12.9	5.9	6.0	-.09	.93
10	4	89	23	138.	7.1	12.8	12.2	13.3	13.9	5.8	5.9	-.12	.93
10	4	89	24	139.	6.6	12.0	11.2	12.4	12.5	5.6	5.7	-.12	.94
11	4	89	1	143.	5.6	10.6	10.2	13.2	13.2	5.5	5.7	-.12	.96
11	4	89	2	149.	5.3	9.8	9.4	15.3	15.5	5.6	5.8	-.12	.97
11	4	89	3	156.	4.8	10.6	10.0	16.2	17.0	5.7	5.9	-.12	.97
11	4	89	4	173.	3.6	7.6	7.0	15.6	17.4	5.8	5.9	-.12	.97
11	4	89	5	150.	3.3	6.2	6.0	12.7	13.8	5.8	5.9	-.12	.97
11	4	89	6	163.	3.3	6.2	5.8	14.0	15.6	5.7	5.9	-.12	.97
11	4	89	7	170.	3.1	6.4	6.0	13.6	13.9	5.7	5.8	-.12	.97
11	4	89	8	149.	2.9	6.6	6.2	14.9	18.0	5.9	6.0	-.12	.97
11	4	89	9	176.	3.9	7.6	7.2	14.4	18.4	6.0	6.2	-.12	.97
11	4	89	10	156.	4.1	7.6	7.2	13.6	15.4	6.2	6.4	-.16	.98
11	4	89	11	131.	3.8	7.8	7.4	14.2	19.5	6.4	6.6	-.22	.96
11	4	89	12	170.	4.4	9.2	8.8	14.5	19.3	6.1	6.3	-.16	.96
11	4	89	13	183.	4.3	9.0	8.6	14.1	14.8	6.3	6.5	-.19	.96
11	4	89	14	149.	3.4	7.8	7.4	16.1	22.9	6.4	6.7	-.22	.96
11	4	89	15	176.	4.3	8.6	8.4	15.8	18.5	6.6	6.8	-.19	.96
11	4	89	16	176.	4.4	8.8	8.2	13.3	13.8	6.8	7.0	-.19	.95
11	4	89	17	173.	3.7	7.8	7.6	15.3	15.9	7.1	7.5	-.25	.90
11	4	89	18	155.	2.6	5.4	5.0	17.3	23.3	7.0	7.5	-.22	.90
11	4	89	19	122.	2.5	4.8	4.6	11.8	16.9	5.6	5.7	-.16	.95
11	4	89	20	105.	3.0	5.0	4.8	8.9	10.2	5.4	5.5	-.12	.96
11	4	89	21	98.	3.4	5.4	5.2	7.6	9.0	5.6	5.7	-.03	.95
11	4	89	22	127.	4.0	7.2	6.8	9.8	14.5	6.1	6.1	-.06	.96
11	4	89	23	112.	5.8	9.4	8.8	10.7	12.0	6.4	6.5	-.09	.96
11	4	89	24	127.	6.9	13.0	12.0	10.8	11.6	7.4	7.4	.00	.94
12	4	89	1	141.	7.5	13.6	12.6	12.4	13.0	7.7	7.7	-.09	.95
12	4	89	2	138.	8.0	15.0	14.0	12.7	13.1	7.5	7.6	-.09	.97
12	4	89	3	143.	7.1	12.8	12.2	12.2	13.3	7.3	7.3	-.12	.98
12	4	89	4	139.	7.4	13.2	12.4	12.3	12.5	6.7	6.8	-.12	.98
12	4	89	5	138.	7.4	13.0	12.0	11.6	11.7	6.8	6.8	-.09	.98
12	4	89	6	149.	6.1	12.2	11.6	14.2	17.2	7.3	7.3	-.09	.97
12	4	89	7	142.	5.4	10.0	9.6	13.2	13.5	6.9	7.0	-.09	.96
12	4	89	8	153.	4.9	10.6	9.4	14.3	15.1	7.1	7.2	-.09	.95
12	4	89	9	148.	4.7	10.0	9.4	14.9	15.2	7.2	7.3	-.09	.96
12	4	89	10	166.	5.1	11.0	10.0	14.3	15.7	7.4	7.6	-.12	.96
12	4	89	11	159.	3.6	7.6	7.2	17.7	18.5	7.4	7.6	-.16	.97
12	4	89	12	122.	2.9	6.0	5.6	14.3	25.4	7.7	8.0	-.22	.96
12	4	89	13	122.	2.7	5.0	4.6	10.4	12.9	7.4	7.6	-.25	.97
12	4	89	14	122.	3.1	5.4	5.2	9.8	11.3	8.0	8.4	-.31	.97
12	4	89	15	111.	2.5	5.0	4.6	12.9	14.4	7.3	7.6	-.22	.98
12	4	89	16	124.	2.6	5.0	4.8	10.8	13.4	7.3	7.5	-.19	.98
12	4	89	17	122.	2.6	5.8	5.0	12.0	12.3	7.4	7.6	-.16	.98
12	4	89	18	62.	1.5	2.6	2.4	9.8	22.2	7.9	8.0	-.09	.98
12	4	89	19	59.	1.1	2.0	2.0	5.3	10.4	8.4	8.4	.00	.98
12	4	89	20	72.	1.4	2.4	2.2	8.0	11.2	8.4	8.3	.03	.98
12	4	89	21	72.	.7	2.4	2.2	60.5	72.4	8.5	8.3	.03	.98
12	4	89	22	72.	1.9	4.0	3.6	13.7	14.3	8.6	8.6	-.03	.98
12	4	89	23	25.	2.5	5.4	5.0	16.3	24.1	8.8	8.7	-.03	.98
12	4	89	24	27.	2.3	4.8	4.6	16.3	17.3	8.8	8.7	-.06	.98

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
13	4	89	1	0.	2.9	6.0	5.6	13.0	16.6	8.8	8.7	-.03	.97
13	4	89	2	353.	2.7	6.2	5.8	13.6	14.9	8.8	8.5	-.03	.96
13	4	89	3	354.	2.8	5.4	5.2	11.6	19.3	8.8	8.6	.09	.96
13	4	89	4	325.	3.4	6.4	6.0	12.3	19.1	8.3	8.1	.28	.96
13	4	89	5	319.	3.0	5.6	5.2	10.1	16.7	8.1	7.8	.40	.97
13	4	89	6	333.	3.8	6.6	6.2	11.1	19.2	8.1	8.0	.28	.97
13	4	89	7	354.	2.9	6.0	5.4	12.5	16.9	8.6	8.4	.28	.96
13	4	89	8	8.	2.6	5.4	4.8	12.1	14.3	9.9	10.0	.03	.94
13	4	89	9	49.	3.2	8.2	8.0	18.4	22.0	11.2	11.5	-.19	.91
13	4	89	10	69.	4.0	7.8	7.2	16.9	19.1	12.2	12.7	-.47	.88
13	4	89	11	63.	4.1	8.0	7.6	15.1	15.3	12.7	13.1	-.50	.86
13	4	89	12	58.	3.5	6.2	5.8	17.7	18.7	13.7	14.4	-.71	.85
13	4	89	13	58.	4.1	7.2	6.8	16.2	16.5	14.1	14.8	-.68	.85
13	4	89	14	58.	3.2	6.6	6.2	20.1	20.6	14.4	14.9	-.50	.85
13	4	89	15	45.	2.3	5.2	4.8	24.8	25.8	14.7	15.3	-.34	.86
13	4	89	16	45.	2.1	4.8	4.6	23.2	24.5	14.8	15.3	-.28	.88
13	4	89	17	21.	2.5	6.2	5.4	19.5	24.8	14.9	15.2	-.22	.88
13	4	89	18	35.	1.7	4.0	3.8	19.4	21.2	14.4	14.4	-.12	.90
13	4	89	19	59.	2.3	5.6	5.2	16.5	19.6	14.5	14.4	.00	.88
13	4	89	20	46.	2.6	5.2	4.8	19.1	19.7	14.7	14.6	.03	.86
13	4	89	21	42.	1.2	4.8	4.6	50.6	51.6	13.9	13.0	.56	.93
13	4	89	22	62.	1.9	4.4	4.0	18.1	19.0	14.0	13.3	.25	.93
13	4	89	23	53.	1.8	4.2	4.0	18.4	19.6	13.6	12.9	.16	.94
13	4	89	24	65.	2.6	5.2	5.0	13.3	13.7	13.2	12.8	.12	.93
14	4	89	1	52.	2.3	6.2	5.8	20.6	20.8	12.9	12.4	.19	.93
14	4	89	2	0.	1.9	5.0	4.8	23.1	28.7	12.3	11.7	.28	.94
14	4	89	3	359.	2.0	3.6	3.4	9.8	14.7	10.7	9.3	.78	.98
14	4	89	4	337.	2.0	3.6	3.2	8.3	9.5	9.7	8.4	.84	.98
14	4	89	5	359.	1.7	4.2	4.0	18.7	21.3	8.5	7.4	1.09	.98
14	4	89	6	359.	2.7	5.8	5.4	11.8	14.0	9.0	8.0	.84	.96
14	4	89	7	3.	2.2	5.0	4.8	19.4	21.3	9.7	9.6	.40	.90
14	4	89	8	14.	2.6	7.8	7.0	18.8	20.1	11.3	11.9	-.16	.82
14	4	89	9	34.	3.6	7.8	7.4	20.2	21.6	12.4	13.2	-.40	.79
14	4	89	10	41.	3.2	7.0	6.8	21.7	24.8	13.4	14.4	-.43	.77
14	4	89	11	69.	2.9	6.4	6.2	22.0	25.3	14.6	15.4	-.53	.75
14	4	89	12	42.	3.9	8.8	8.4	21.7	24.2	15.8	16.7	-.47	.72
14	4	89	13	77.	3.5	7.0	6.8	20.1	20.9	17.5	18.3	-.71	.70
14	4	89	14	62.	3.6	6.6	6.0	18.3	20.3	18.8	19.5	-.65	.68
14	4	89	15	72.	3.5	7.4	6.6	17.4	17.8	19.5	20.2	-.68	.65
14	4	89	16	60.	3.8	7.0	6.8	16.2	17.4	19.5	20.0	-.53	.63
14	4	89	17	75.	4.0	8.6	7.8	16.6	17.3	19.8	20.2	-.43	.63
14	4	89	18	83.	4.7	9.4	9.0	15.1	15.8	19.4	19.5	-.28	.60
14	4	89	19	60.	4.8	8.6	8.2	14.7	16.8	18.0	17.9	-.06	.62
14	4	89	20	59.	4.7	9.0	8.8	14.8	15.1	17.1	16.9	.03	.65
14	4	89	21	72.	5.4	11.6	10.8	16.5	16.8	16.7	16.6	.00	.67
14	4	89	22	72.	5.3	10.6	9.8	15.5	15.6	16.1	15.9	.00	.68
14	4	89	23	82.	4.6	10.0	9.4	17.0	18.4	15.3	15.1	-.03	.70
14	4	89	24	93.	3.9	8.6	8.4	16.5	17.3	14.4	14.1	.00	.72
15	4	89	1	80.	3.8	7.6	7.0	15.3	15.7	13.6	13.3	.00	.74
15	4	89	2	63.	2.4	5.4	4.8	19.6	23.4	12.9	12.5	.03	.77
15	4	89	3	51.	3.2	6.8	6.0	14.5	15.3	12.4	12.1	.03	.79
15	4	89	4	60.	4.0	7.8	7.2	13.0	13.6	12.1	11.9	.06	.80
15	4	89	5	58.	3.8	7.0	6.8	13.8	14.1	12.0	11.7	.06	.80
15	4	89	6	60.	3.8	7.8	7.2	18.1	18.3	12.0	11.8	.00	.80
15	4	89	7	53.	3.0	7.8	7.0	19.4	19.9	12.4	12.6	-.16	.78
15	4	89	8	53.	3.4	9.2	8.4	22.5	23.8	12.8	13.1	-.25	.77
15	4	89	9	52.	4.2	9.0	8.2	16.5	17.0	13.5	13.8	-.28	.76
15	4	89	10	63.	3.7	8.4	8.0	18.9	19.4	14.4	14.8	-.31	.75
15	4	89	11	82.	3.7	7.8	7.4	17.0	18.4	16.1	16.7	-.56	.73
15	4	89	12	84.	3.9	8.6	8.0	19.3	20.5	17.8	18.5	-.62	.71
15	4	89	13	104.	5.3	9.8	9.2	15.5	16.1	19.0	19.6	-.65	.65
15	4	89	14	98.	5.6	11.4	10.6	16.0	17.2	19.4	20.0	-.56	.60
15	4	89	15	105.	5.2	9.6	9.0	16.9	17.6	19.5	20.1	-.56	.59
15	4	89	16	98.	5.6	10.6	10.2	15.6	16.0	19.4	19.8	-.47	.58
15	4	89	17	107.	5.3	10.0	9.6	12.6	13.3	19.0	19.2	-.34	.58
15	4	89	18	103.	4.1	8.8	8.4	13.2	13.4	18.4	18.5	-.25	.59
15	4	89	19	101.	3.8	7.6	6.6	10.7	11.1	17.3	17.1	-.09	.63
15	4	89	20	104.	4.7	8.6	7.6	11.4	11.6	15.7	15.4	-.03	.68
15	4	89	21	91.	4.4	11.4	10.4	15.1	15.9	14.4	14.1	-.03	.73
15	4	89	22	86.	5.1	10.4	9.8	16.2	17.7	13.3	13.1	-.06	.70
15	4	89	23	96.	4.9	11.6	10.2	16.3	16.9	12.2	12.0	-.06	.62
15	4	89	24	86.	4.1	9.4	9.0	17.5	18.1	11.1	10.9	-.06	.57

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
16	4	89	1	79.	4.2	8.2	7.6	16.2	16.5	9.9	9.7	-.06	.64
16	4	89	2	70.	4.1	8.2	7.6	13.8	15.2	8.7	8.6	-.06	.71
16	4	89	3	53.	3.7	9.6	9.2	16.2	16.7	8.1	8.0	-.06	.76
16	4	89	4	39.	3.2	7.2	6.6	17.4	18.4	7.8	7.7	-.06	.79
16	4	89	5	45.	3.6	7.8	7.6	17.0	17.4	7.7	7.6	-.09	.79
16	4	89	6	49.	3.2	8.2	7.6	19.7	20.1	7.5	7.6	-.12	.79
16	4	89	7	42.	3.4	7.2	6.8	18.7	19.0	7.6	7.7	-.16	.80
16	4	89	8	53.	4.5	10.0	9.2	16.6	18.9	7.8	8.0	-.25	.79
16	4	89	9	70.	4.7	9.8	9.0	14.6	15.1	8.0	8.4	-.43	.72
16	4	89	10	65.	4.4	10.0	9.4	20.4	21.1	9.1	9.9	-.65	.65
16	4	89	11	69.	4.5	10.0	9.2	18.9	19.8	9.9	10.6	-.84	.66
16	4	89	12	80.	4.7	10.2	9.6	23.6	29.6	10.3	11.1	-.62	.67
16	4	89	13	86.	5.5	10.6	9.8	17.5	20.6	10.2	10.7	-.50	.66
16	4	89	14	80.	4.0	10.0	9.6	20.9	24.8	9.8	10.1	-.34	.67
16	4	89	15	69.	3.6	8.0	7.4	21.9	23.5	10.6	11.2	-.56	.68
16	4	89	16	142.	3.3	7.2	6.8	20.9	31.5	10.6	11.2	-.50	.67
16	4	89	17	146.	4.6	8.2	7.8	14.1	14.8	9.0	9.7	-.31	.68
16	4	89	18	142.	4.2	7.2	6.8	12.7	13.0	8.1	8.6	-.25	.69
16	4	89	19	180.	2.5	5.2	5.0	12.9	16.7	7.3	7.5	-.16	.70
16	4	89	20	163.	2.3	4.6	4.2	10.4	12.4	6.0	5.7	-.09	.75
16	4	89	21	252.	1.6	3.4	3.2	13.2	32.4	5.2	4.8	.03	.79
16	4	89	22	315.	1.6	2.8	2.8	3.7	21.7	4.9	4.2	.09	.83
16	4	89	23	333.	2.9	3.8	3.6	3.4	10.4	4.1	3.4	.50	.87
16	4	89	24	326.	2.7	3.8	3.6	4.4	8.3	3.5	2.9	.40	.90
17	4	89	1	322.	2.6	3.6	3.4	2.4	5.3	2.9	2.2	.81	.92
17	4	89	2	314.	2.7	3.6	3.4	3.4	7.8	2.5	1.9	.65	.91
17	4	89	3	309.	3.1	3.8	3.8	3.1	6.1	2.3	1.4	.75	.91
17	4	89	4	342.	3.4	5.2	4.8	4.7	12.4	1.8	1.2	.71	.90
17	4	89	5	322.	3.4	4.8	4.6	5.4	8.0	1.9	1.4	.16	.87
17	4	89	6	330.	2.9	4.2	3.8	6.4	9.8	1.1	1.0	.56	.91
17	4	89	7	354.	2.1	4.0	3.6	12.6	20.5	2.1	2.5	.37	.86
17	4	89	8	337.	2.7	4.8	4.2	10.1	12.0	5.5	6.3	-.16	.64
17	4	89	9	6.	2.4	6.2	6.0	11.8	15.3	5.7	6.1	-.16	.64
17	4	89	10	3.	3.4	7.0	6.6	13.9	15.1	6.7	7.2	-.22	.52
17	4	89	11	62.	3.8	8.4	7.2	20.0	28.5	7.5	8.2	-.34	.48
17	4	89	12	34.	4.2	9.6	9.2	22.7	24.4	7.7	8.3	-.50	.46
17	4	89	13	41.	4.4	9.4	8.6	19.2	21.0	7.2	7.8	-.47	.49
17	4	89	14	53.	4.8	10.6	10.4	22.6	24.4	6.8	7.3	-.34	.51
17	4	89	15	32.	4.2	8.8	8.4	21.3	25.0	6.8	7.3	-.40	.56
17	4	89	16	53.	4.1	8.8	8.4	21.6	25.2	6.9	7.5	-.34	.55
17	4	89	17	38.	3.5	9.4	9.0	21.5	22.7	6.3	6.7	-.31	.58
17	4	89	18	25.	3.2	7.2	6.8	18.7	20.2	5.9	6.2	-.25	.61
17	4	89	19	20.	3.7	6.6	6.4	12.3	12.3	5.5	5.6	-.16	.62
17	4	89	20	11.	3.6	9.4	8.2	16.3	18.0	5.0	5.1	-.12	.65
17	4	89	21	0.	1.8	3.6	3.2	10.1	11.8	4.6	4.4	-.12	.70
17	4	89	22	347.	2.0	3.8	3.4	8.8	12.3	4.4	4.2	-.09	.72
17	4	89	23	351.	1.9	3.8	3.6	9.3	10.7	4.1	3.9	-.09	.75
17	4	89	24	357.	1.8	4.2	4.0	11.5	15.6	4.0	3.9	-.09	.75
18	4	89	1	339.	2.5	6.4	6.0	11.3	14.3	3.7	3.7	-.12	.78
18	4	89	2	337.	2.9	5.0	4.6	10.5	11.2	3.3	3.4	-.16	.83
18	4	89	3	342.	2.5	5.2	4.8	11.3	11.8	3.3	3.4	-.16	.85
18	4	89	4	340.	2.2	4.8	4.4	10.1	10.3	3.0	3.0	-.16	.89
18	4	89	5	346.	2.2	4.6	4.4	9.3	10.4	3.0	3.0	-.12	.91
18	4	89	6	335.	2.4	3.8	3.6	7.7	8.7	2.9	3.0	-.12	.92
18	4	89	7	0.	1.5	3.6	3.4	12.8	15.8	3.1	3.4	-.22	.93
18	4	89	8	17.	.9	2.4	2.2	16.5	17.7	3.3	3.7	-.22	.93
18	4	89	9	32.	1.9	5.6	5.4	33.9	34.0	3.8	4.3	-.31	.92
18	4	89	10	79.	2.4	4.8	4.4	19.6	20.9	4.3	4.8	-.43	.90
18	4	89	11	83.	2.8	5.4	5.0	17.6	19.0	4.4	5.0	-.47	.88
18	4	89	12	100.	3.2	6.0	5.6	17.6	20.2	4.6	5.1	-.53	.87
18	4	89	13	98.	3.1	6.8	6.2	16.8	18.3	4.4	5.0	-.50	.85
18	4	89	14	87.	2.7	6.8	6.4	16.2	19.8	3.9	4.4	-.43	.88
18	4	89	15	94.	2.2	4.2	4.0	18.8	20.1	4.9	5.4	-.40	.82
18	4	89	16	77.	2.2	4.0	3.8	19.4	20.4	5.3	5.7	-.40	.78
18	4	89	17	46.	2.2	4.6	4.6	23.3	25.5	5.4	5.8	-.34	.78
18	4	89	18	55.	2.4	5.6	5.2	17.4	18.8	5.3	5.6	-.31	.77
18	4	89	19	46.	2.2	4.8	4.6	24.9	26.0	5.1	5.3	-.22	.76
18	4	89	20	1.	1.5	3.8	3.6	16.8	19.7	4.7	4.7	-.16	.81
18	4	89	21	357.	1.7	3.4	3.2	9.2	9.5	4.2	3.9	-.06	.85
18	4	89	22	7.	2.3	4.8	4.4	8.1	11.2	3.7	3.1	.03	.86
18	4	89	23	354.	1.8	3.8	3.6	9.3	12.3	3.5	3.0	.00	.86
18	4	89	24	333.	2.1	3.6	3.4	7.7	8.9	3.3	3.1	.00	.87

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
19	4	89	1	330.	2.0	3.4	3.2	5.6	9.0	3.0	2.8	.06	.89
19	4	89	2	336.	2.1	3.4	3.2	5.1	8.3	2.9	2.8	.25	.89
19	4	89	3	342.	2.4	3.4	3.2	5.4	7.6	3.2	3.0	.06	.88
19	4	89	4	299.	2.2	3.6	3.4	7.8	14.7	3.1	2.9	.06	.89
19	4	89	5	332.	1.8	3.2	3.0	8.7	17.1	3.1	3.0	-.03	.89
19	4	89	6	312.	1.6	3.2	3.0	9.2	16.7	3.1	3.1	-.06	.89
19	4	89	7	305.	1.2	2.4	2.4	9.9	16.0	3.2	3.3	-.03	.89
19	4	89	8	304.	2.2	3.4	3.2	4.9	7.8	3.4	3.7	-.22	.88
19	4	89	9	301.	2.1	3.4	3.0	7.6	8.2	4.0	4.5	-.34	.85
19	4	89	10	316.	2.1	5.4	5.2	16.6	23.3	4.4	4.9	-.37	.83
19	4	89	11	73.	3.1	7.6	7.0	22.5	33.1	3.5	3.9	-.31	.90
19	4	89	12	59.	2.5	6.0	5.2	17.3	19.4	4.1	4.6	-.43	.87
19	4	89	13	27.	2.1	5.0	4.6	16.2	26.2	3.8	4.2	-.34	.87
19	4	89	14	51.	1.8	6.0	5.4	26.2	31.8	3.6	4.2	-.31	.90
19	4	89	15	86.	2.6	5.6	5.4	28.0	32.5	3.9	4.4	-.31	.90
19	4	89	16	67.	2.0	4.2	4.0	18.7	31.9	3.4	3.7	-.31	.94
19	4	89	17	56.	2.1	5.0	4.8	18.7	23.6	4.3	4.6	-.31	.88
19	4	89	18	63.	3.2	6.6	6.0	14.7	15.7	4.7	5.0	-.31	.84
19	4	89	19	52.	2.7	5.6	5.0	13.8	14.9	4.8	5.0	-.31	.81
19	4	89	20	20.	2.5	4.4	4.0	13.1	18.2	4.0	3.8	-.09	.85
19	4	89	21	24.	3.2	5.0	4.8	9.6	10.2	3.4	3.2	-.06	.87
19	4	89	22	14.	3.0	5.2	4.6	10.1	10.9	3.2	2.9	-.06	.88
19	4	89	23	343.	2.1	4.6	4.4	11.2	14.1	2.8	2.4	-.06	.89
19	4	89	24	323.	2.4	4.0	3.6	8.7	11.6	1.9	1.5	.22	.93
20	4	89	1	335.	3.0	4.4	4.2	6.6	9.0	1.0	.8	.43	.92
20	4	89	2	311.	2.8	5.0	4.8	4.0	14.1	.9	.5	.34	.92
20	4	89	3	332.	2.8	3.8	3.6	3.4	7.7	.7	.4	.09	.92
20	4	89	4	315.	2.8	4.0	3.8	3.7	8.8	.5	.2	.06	.90
20	4	89	5	323.	2.9	4.2	4.0	4.2	5.3	.5	.2	.06	.90
20	4	89	6	318.	2.9	3.6	3.4	4.2	5.3	.4	.3	.03	.89
20	4	89	7	332.	2.8	4.4	4.2	7.2	9.9	1.1	1.7	-.09	.86
20	4	89	8	309.	2.5	3.8	3.4	6.4	9.3	1.7	2.2	-.16	.86
20	4	89	9	308.	2.1	3.4	3.2	7.4	8.0	3.0	3.8	-.28	.83
20	4	89	10	336.	2.2	3.6	3.4	12.4	15.7	5.1	5.9	-.53	.82
20	4	89	11	294.	2.4	4.0	3.6	9.8	12.7	5.6	6.2	-.40	.81
20	4	89	12	301.	1.1	2.8	2.6	29.9	30.5	7.4	8.1	-.62	.78
20	4	89	13	134.	1.2	2.8	2.4	50.0	69.1	7.9	8.4	-.37	.77
20	4	89	14	27.	1.4	3.8	3.6	50.8	136.1	7.9	8.3	-.25	.77
20	4	89	15	30.	2.9	5.4	5.0	20.4	21.2	8.3	8.8	-.31	.75
20	4	89	16	11.	2.5	5.8	5.2	20.6	27.8	8.3	8.7	-.25	.77
20	4	89	17	31.	3.0	5.8	5.4	15.7	18.0	8.4	8.9	-.34	.78
20	4	89	18	11.	3.4	6.6	6.4	14.3	16.8	8.0	8.3	-.28	.77
20	4	89	19	15.	2.5	4.8	4.6	10.9	14.1	7.7	8.0	-.09	.77
20	4	89	20	3.	2.0	3.6	3.4	7.6	8.3	6.6	5.9	.03	.83
20	4	89	21	351.	2.4	4.4	4.0	7.3	8.4	6.0	5.2	.09	.88
20	4	89	22	340.	1.9	3.4	3.2	6.9	9.5	5.5	4.6	.12	.89
20	4	89	23	332.	2.1	4.0	3.8	6.0	10.1	4.8	3.8	.40	.91
20	4	89	24	301.	2.6	3.8	3.8	4.2	9.2	3.5	2.8	1.46	.93
21	4	89	1	337.	2.6	3.6	3.4	3.1	12.8	2.5	1.8	1.89	.93
21	4	89	2	308.	2.0	3.6	3.4	6.6	14.4	2.9	1.4	.96	.92
21	4	89	3	333.	1.5	2.2	2.0	6.0	13.8	2.7	1.4	.81	.92
21	4	89	4	314.	1.1	1.8	1.8	5.3	18.5	3.6	2.0	.62	.93
21	4	89	5	308.	1.8	3.0	2.8	6.6	9.1	2.7	2.1	.96	.93
21	4	89	6	245.	1.5	2.8	2.8	13.0	27.9	3.3	2.9	.43	.93
21	4	89	7	299.	.5	1.4	1.4	15.8	26.3	3.9	3.8	.31	.94
21	4	89	8	250.	.4	1.2	1.0	19.9	29.8	5.5	5.7	-.31	.90
21	4	89	9	176.	.4	2.2	2.0	39.1	49.1	7.0	7.7	-.25	.86
21	4	89	10	125.	1.5	4.0	3.6	28.0	35.5	8.2	9.0	-.43	.83
21	4	89	11	117.	1.9	3.6	3.2	12.3	12.9	7.7	8.1	-.31	.87
21	4	89	12	128.	2.6	5.2	5.0	12.1	12.8	7.6	8.1	-.31	.89
21	4	89	13	110.	2.7	6.0	5.4	20.7	29.2	8.7	9.5	-.37	.85
21	4	89	14	167.	3.5	6.2	5.8	15.9	28.3	9.2	10.0	-.37	.83
21	4	89	15	174.	3.4	6.4	5.6	14.8	16.0	9.1	9.6	-.28	.80
21	4	89	16	165.	3.5	7.2	6.6	16.3	18.3	9.1	9.7	-.28	.79
21	4	89	17	115.	3.6	6.2	6.0	14.1	19.6	8.6	9.1	-.31	.87
21	4	89	18	115.	3.7	5.8	5.2	8.3	9.5	7.8	8.0	-.22	.92
21	4	89	19	76.	3.7	5.6	5.4	24.4	28.3	7.0	7.1	-.19	.96
21	4	89	20	117.	2.0	3.4	3.2	11.2	17.4	6.8	6.9	-.12	.98
21	4	89	21	319.	.6	2.2	2.0	28.8	57.0	6.9	6.7	.03	.98
21	4	89	22	273.	.5	1.2	1.0	15.2	29.0	6.8	6.4	.16	.98
21	4	89	23	315.	1.1	2.4	2.4	10.9	16.3	6.7	6.3	.19	.98
21	4	89	24	273.	1.5	3.8	3.6	14.6	22.6	7.0	6.6	.22	.93

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
22	4	89	1	304.	1.2	2.2	2.0	9.6	21.4	6.8	6.2	.09	.91
22	4	89	2	326.	1.6	2.4	2.4	4.0	12.1	6.2	5.5	.12	.96
22	4	89	3	336.	2.0	4.8	4.4	5.4	11.3	5.6	5.3	.16	.98
22	4	89	4	322.	2.8	5.6	5.0	14.3	19.6	5.3	5.2	-.06	.94
22	4	89	5	13.	3.4	6.8	6.0	11.8	19.2	5.1	5.1	-.16	.84
22	4	89	6	349.	3.4	7.2	6.6	11.8	14.6	4.4	4.5	-.12	.80
22	4	89	7	346.	3.2	6.4	5.8	13.3	14.0	4.3	4.6	-.19	.75
22	4	89	8	340.	4.0	8.6	7.8	12.8	13.4	4.4	4.9	-.22	.73
22	4	89	9	343.	4.7	9.6	9.0	13.1	13.5	4.2	4.7	-.25	.70
22	4	89	10	346.	5.4	9.8	9.2	13.2	13.8	5.0	6.0	-.40	.63
22	4	89	11	20.	4.7	9.6	9.0	15.7	20.1	5.9	7.0	-.43	.59
22	4	89	12	11.	4.3	9.2	8.8	19.5	21.6	6.0	6.8	-.40	.56
22	4	89	13	8.	4.3	9.6	9.2	22.2	22.8	6.3	7.2	-.40	.52
22	4	89	14	344.	4.3	9.2	8.8	16.3	19.8	6.5	7.2	-.34	.49
22	4	89	15	342.	3.9	8.4	7.6	17.6	18.3	6.8	7.9	-.28	.49
22	4	89	16	330.	3.5	7.0	6.6	15.5	16.8	7.2	8.2	-.34	.46
22	4	89	17	292.	2.9	7.2	6.8	14.9	26.8	7.0	7.7	-.34	.46
22	4	89	18	48.	2.4	5.6	5.2	17.7	47.4	6.7	7.1	-.31	.46
22	4	89	19	70.	2.1	5.0	4.6	16.8	19.2	6.1	6.3	-.22	.45
22	4	89	20	60.	2.3	5.0	4.8	16.3	17.6	5.7	5.6	-.12	.46
22	4	89	21	76.	2.1	4.6	4.2	10.1	13.3	4.9	4.9	-.06	.49
22	4	89	22	96.	1.9	3.0	2.8	7.0	10.5	4.3	4.1	-.06	.61
22	4	89	23	41.	1.5	2.2	2.0	6.4	14.0	3.9	3.4	.12	.68
22	4	89	24	314.	1.2	3.8	3.6	16.2	25.1	3.5	2.9	-.03	.67
23	4	89	1	347.	2.6	4.4	4.2	7.8	17.2	2.8	2.7	-.06	.63
23	4	89	2	314.	2.5	3.8	3.6	4.2	9.3	2.1	1.7	.00	.66
23	4	89	3	312.	2.4	3.0	3.0	4.2	8.6	1.2	.7	-.03	.70
23	4	89	4	316.	2.1	3.0	2.8	4.0	8.0	.3	-.6	.03	.78
23	4	89	5	318.	2.8	3.6	3.6	3.1	5.6	-.4	-.8	.03	.79
23	4	89	6	294.	2.4	3.6	3.4	4.4	8.2	-.3	-.3	-.16	.75
23	4	89	7	299.	2.7	3.8	3.4	5.4	7.0	.4	1.3	-.37	.73
23	4	89	8	291.	1.8	3.2	3.0	10.1	12.8	2.2	3.3	-.65	.62
23	4	89	9	312.	1.4	3.2	3.0	18.7	19.3	4.2	5.5	-.87	.49
23	4	89	10	254.	1.3	3.6	3.4	65.6	89.7	5.9	7.1	-1.06	.47
23	4	89	11	131.	3.4	10.4	9.2	29.8	50.6	5.3	6.0	-.65	.47
23	4	89	12	180.	5.2	11.0	10.4	18.2	25.0	5.0	5.8	-.40	.52
23	4	89	13	180.	5.8	10.6	10.0	16.0	17.8	5.7	6.9	-.68	.54
23	4	89	14	211.	3.7	9.0	8.4	25.5	27.4	5.5	6.2	-.47	.52
23	4	89	15	172.	5.3	10.2	9.6	15.5	21.6	5.7	6.6	-.53	.47
23	4	89	16	205.	6.1	10.6	10.0	11.2	15.2	5.6	6.5	-.53	.54
23	4	89	17	217.	4.5	10.6	9.8	22.9	28.8	6.5	7.2	-.56	.42
23	4	89	18	250.	5.4	12.8	11.6	20.2	24.1	6.5	7.0	-.68	.39
23	4	89	19	277.	5.6	13.6	12.0	16.6	20.0	5.2	5.4	-.43	.41
23	4	89	20	246.	4.0	8.6	8.2	15.5	17.8	4.0	4.0	-.19	.45
23	4	89	21	233.	3.4	6.4	6.0	15.9	17.4	2.6	2.5	-.09	.47
23	4	89	22	225.	2.8	6.6	6.2	13.6	14.2	1.6	1.4	-.03	.47
23	4	89	23	221.	2.7	5.8	5.6	12.7	14.2	1.1	.7	.06	.50
23	4	89	24	231.	2.5	4.8	4.4	12.1	14.5	.5	.2	-.03	.60
24	4	89	1	246.	1.8	4.4	4.0	17.2	18.7	.3	.2	-.06	.68
24	4	89	2	315.	1.5	4.8	4.6	23.7	40.0	.1	-.1	-.06	.73
24	4	89	3	298.	2.4	3.8	3.8	7.6	8.6	-.2	-.4	-.06	.74
24	4	89	4	319.	2.9	5.2	5.0	9.5	12.3	-.9	-1.0	-.09	.77
24	4	89	5	298.	3.5	6.4	6.0	9.3	11.1	-.8	-1.0	-.03	.71
24	4	89	6	315.	2.9	4.6	4.4	7.7	12.7	-.4	-.2	-.12	.68
24	4	89	7	305.	2.3	4.8	4.6	16.9	20.8	1.2	2.3	-.22	.59
24	4	89	8	298.	3.2	5.8	5.6	15.7	16.8	2.8	3.8	-.62	.51
24	4	89	9	280.	2.5	5.8	5.4	20.1	25.1	4.8	5.8	-1.02	.48
24	4	89	10	290.	2.1	5.4	4.8	27.9	29.7	6.2	7.3	-1.06	.45
24	4	89	11	290.	2.0	5.2	4.8	45.7	58.2	7.5	8.6	-1.21	.45
24	4	89	12	257.	3.0	8.0	7.0	25.4	32.1	8.3	9.1	-1.02	.42
24	4	89	13	246.	2.1	6.0	5.8	72.4	78.1	8.6	9.3	-.78	.43
24	4	89	14	177.	4.8	9.6	9.2	18.2	27.7	7.6	8.2	-.47	.56
24	4	89	15	186.	5.2	9.2	8.8	13.8	15.2	7.4	8.0	-.31	.66
24	4	89	16	193.	6.2	11.2	10.8	12.2	12.4	7.2	7.9	-.43	.68
24	4	89	17	187.	5.0	10.0	10.0	12.9	13.5	6.8	7.2	-.31	.68
24	4	89	18	202.	4.8	9.4	9.0	11.4	11.9	6.3	6.7	-.31	.72
24	4	89	19	188.	2.9	6.4	5.8	13.2	15.2	5.5	5.6	-.19	.77
24	4	89	20	197.	2.5	4.6	4.4	13.8	17.5	4.8	4.6	-.12	.80
24	4	89	21	209.	2.0	4.4	4.2	15.8	18.7	3.9	3.4	.00	.85
24	4	89	22	142.	.7	3.6	3.2	43.6	53.8	3.2	2.5	-.03	.81
24	4	89	23	139.	2.4	4.2	4.0	6.6	6.9	3.0	2.5	.19	.80
24	4	89	24	150.	3.2	4.8	4.6	6.6	9.5	2.7	2.5	.31	.85

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
25	4	89	1	156.	2.6	6.4	6.2	12.0	13.3	3.4	3.2	.06	.87
25	4	89	2	105.	2.0	6.0	5.8	19.9	27.5	3.1	3.1	-.09	.84
25	4	89	3	276.	1.1	2.6	2.4	48.9	78.4	2.8	2.7	.00	.88
25	4	89	4	0.	1.2	2.4	2.2	5.1	24.4	2.4	2.2	.09	.92
25	4	89	5	15.	1.9	3.6	3.2	6.4	12.5	2.0	1.9	-.06	.90
25	4	89	6	11.	3.2	5.6	5.2	10.6	13.3	2.0	2.1	-.12	.86
25	4	89	7	31.	2.2	5.4	5.2	16.9	20.7	2.2	2.4	-.16	.87
25	4	89	8	67.	3.5	7.6	7.2	20.4	25.7	2.8	3.0	-.22	.81
25	4	89	9	22.	3.2	7.6	7.2	17.7	22.5	2.1	2.4	-.28	.86
25	4	89	10	8.	3.5	6.6	6.2	13.7	16.2	1.5	1.9	-.28	.93
25	4	89	11	8.	3.7	7.0	6.6	12.0	12.3	1.4	1.8	-.25	.92
25	4	89	12	24.	4.2	8.2	7.8	13.0	13.6	1.3	1.6	-.22	.91
25	4	89	13	10.	3.8	8.6	8.0	14.5	16.0	1.1	1.4	-.19	.91
25	4	89	14	24.	3.7	8.6	8.0	18.6	20.0	1.7	2.0	-.22	.89
25	4	89	15	15.	3.6	7.6	7.4	17.5	17.8	1.8	2.1	-.22	.89
25	4	89	16	14.	3.6	6.8	6.2	13.0	13.8	1.7	2.0	-.19	.88
25	4	89	17	10.	2.8	7.0	6.6	15.7	16.8	1.9	2.2	-.19	.89
25	4	89	18	1.	2.6	5.6	5.4	15.7	18.7	2.1	2.4	-.19	.88
25	4	89	19	262.	1.7	4.2	3.8	14.5	41.7	2.5	2.6	-.16	.87
25	4	89	20	266.	1.1	2.8	2.6	24.7	26.5	2.6	2.7	-.19	.90
25	4	89	21	260.	.9	2.8	2.6	22.4	27.7	2.5	2.6	-.19	.90
25	4	89	22	197.	.5	2.0	1.8	37.9	55.1	2.2	1.9	-.12	.92
25	4	89	23	259.	1.3	2.8	2.6	13.9	23.7	1.8	1.5	.00	.92
25	4	89	24	335.	1.5	2.2	2.2	9.0	30.3	1.5	1.2	.12	.91
26	4	89	1	276.	.5	1.8	1.6	14.3	24.7	1.0	.2	.25	.91
26	4	89	2	83.	.4	1.6	1.4	33.4	83.0	1.0	.1	.34	.91
26	4	89	3	301.	.9	3.2	3.0	29.4	35.8	.6	.3	.37	.91
26	4	89	4	315.	2.5	4.2	4.0	6.1	8.2	.1	.2	-.12	.91
26	4	89	5	305.	2.5	4.0	3.8	6.1	10.3	-.1	-.2	-.09	.90
26	4	89	6	309.	2.0	3.4	3.2	7.4	9.0	-.3	-.2	-.16	.90
26	4	89	7	321.	2.4	3.8	3.6	8.4	9.1	-.4	-.2	-.19	.90
26	4	89	8	311.	2.8	4.6	4.4	10.1	12.7	.2	.6	-.31	.90
26	4	89	9	295.	1.5	3.2	3.0	12.7	14.5	1.9	2.6	-.53	.88
26	4	89	10	299.	1.3	3.8	3.6	26.0	29.6	4.6	5.7	-.84	.79
26	4	89	11	299.	1.8	4.0	3.6	16.9	19.0	5.6	6.4	-.75	.73
26	4	89	12	328.	1.5	3.2	3.0	25.9	29.7	6.8	7.7	-.68	.64
26	4	89	13	124.	1.7	4.4	4.0	59.6	143.8	7.5	8.4	-.50	.65
26	4	89	14	132.	3.3	6.2	5.6	14.6	16.5	7.1	8.0	-.50	.73
26	4	89	15	135.	3.8	6.4	6.0	14.5	15.7	6.5	7.3	-.43	.80
26	4	89	16	149.	3.1	6.0	5.6	17.7	18.7	6.5	7.2	-.37	.81
26	4	89	17	177.	2.6	4.8	4.6	17.0	19.7	5.9	6.5	-.31	.83
26	4	89	18	207.	2.2	4.4	4.0	13.2	16.7	6.4	7.2	-.50	.80
26	4	89	19	214.	1.1	3.8	3.6	14.8	18.5	6.1	6.4	-.40	.79
26	4	89	20	294.	1.3	3.0	2.8	13.0	31.1	5.5	5.4	-.16	.83
26	4	89	21	307.	2.9	4.2	4.0	4.9	5.4	5.0	5.0	-.06	.86
26	4	89	22	325.	2.7	4.4	4.2	7.8	13.2	4.9	4.9	-.03	.88
26	4	89	23	349.	2.4	4.2	4.0	8.7	14.5	5.0	5.0	-.03	.87
26	4	89	24	332.	3.2	5.6	5.2	8.9	11.8	5.1	5.1	-.09	.81
27	4	89	1	305.	3.0	5.2	5.0	7.7	11.8	5.0	4.9	-.06	.75
27	4	89	2	346.	2.8	5.6	5.2	10.7	18.0	4.9	4.9	-.06	.69
27	4	89	3	11.	4.9	10.4	9.8	14.1	16.9	5.2	5.2	-.12	.66
27	4	89	4	0.	4.2	10.8	10.4	13.6	15.7	4.5	4.5	-.12	.68
27	4	89	5	1.	4.9	10.8	10.4	12.6	13.9	4.0	4.1	-.16	.69
27	4	89	6	349.	3.8	9.8	9.2	13.5	13.9	3.7	3.8	-.16	.71
27	4	89	7	347.	4.7	10.6	10.4	12.2	13.8	3.4	3.6	-.19	.74
27	4	89	8	329.	4.7	9.8	9.2	11.3	11.4	3.6	3.8	-.22	.77
27	4	89	9	335.	4.4	9.0	8.8	12.3	12.5	4.4	4.7	-.19	.73
27	4	89	10	325.	4.6	9.4	9.0	13.5	14.5	4.9	5.5	-.31	.73
27	4	89	11	344.	4.4	8.6	8.2	13.3	14.8	5.8	6.6	-.28	.70
27	4	89	12	351.	3.6	9.0	8.4	14.3	15.6	6.5	7.2	-.22	.69
27	4	89	13	22.	3.0	6.8	6.4	19.2	21.0	7.8	8.8	-.28	.66
27	4	89	14	49.	2.2	5.6	5.4	26.8	29.6	8.1	8.7	-.37	.66
27	4	89	15	97.	2.1	4.6	4.4	23.7	28.0	8.6	9.2	-.47	.66
27	4	89	16	73.	1.7	4.6	4.2	56.6	113.9	9.7	10.7	-.68	.64
27	4	89	17	170.	2.2	4.4	4.2	29.4	50.1	8.8	9.3	-.43	.68
27	4	89	18	183.	2.4	4.8	4.4	17.9	21.3	7.5	7.8	-.22	.71
27	4	89	19	118.	1.6	4.4	4.4	13.1	23.8	6.7	7.0	-.19	.70
27	4	89	20	148.	1.5	2.2	2.0	9.4	16.6	6.2	6.2	-.06	.75
27	4	89	21	128.	1.2	1.8	1.8	11.8	18.5	5.7	5.5	.09	.80
27	4	89	22	240.	.5	1.4	1.4	8.8	35.4	5.6	5.1	.12	.82
27	4	89	23	284.	1.4	2.4	2.4	4.7	15.3	5.5	5.0	.22	.81
27	4	89	24	301.	2.0	2.6	2.4	2.0	6.6	5.4	5.2	.25	.81

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
28	4	89	1	336.	1.5	2.2	2.2	4.2	15.1	5.1	4.8	.34	.82
28	4	89	2	295.	1.7	2.6	2.4	3.7	15.4	4.5	4.3	.47	.87
28	4	89	3	304.	2.3	3.4	3.2	3.7	9.1	4.3	4.2	.19	.86
28	4	89	4	339.	1.8	2.8	2.6	5.4	18.3	4.3	3.7	.19	.86
28	4	89	5	297.	1.8	3.0	2.8	7.3	10.5	4.1	3.8	.03	.83
28	4	89	6	308.	1.8	3.0	2.8	7.2	8.8	3.9	3.9	.00	.79
28	4	89	7	321.	2.4	3.8	3.4	6.9	12.7	4.3	4.7	-.25	.75
28	4	89	8	295.	2.3	3.6	3.4	10.7	15.3	6.1	6.8	-.50	.64
28	4	89	9	309.	2.9	4.6	4.4	9.6	10.2	7.4	8.6	-.71	.55
28	4	89	10	309.	2.3	4.0	3.6	16.2	16.9	9.0	10.3	-.87	.52
28	4	89	11	231.	2.1	5.4	5.0	41.1	49.8	10.2	11.3	-1.02	.51
28	4	89	12	201.	4.0	7.8	7.4	36.1	48.2	9.7	10.7	-.68	.58
28	4	89	13	159.	3.9	8.0	7.6	22.0	24.8	10.2	11.2	-.65	.54
28	4	89	14	243.	3.5	8.4	8.0	26.3	39.4	11.0	11.9	-.71	.55
28	4	89	15	277.	2.1	7.0	6.2	48.6	61.2	11.9	12.9	-.71	.49
28	4	89	16	309.	3.0	6.8	6.6	43.9	52.4	12.0	12.9	-.84	.47
28	4	89	17	295.	4.0	8.4	7.8	14.5	15.1	11.3	12.2	-.75	.42
28	4	89	18	299.	4.5	9.2	8.8	16.2	16.4	10.4	11.0	-.59	.43
28	4	89	19	308.	4.9	8.4	8.0	11.4	12.2	9.3	9.7	-.34	.45
28	4	89	20	309.	4.3	7.8	7.0	10.7	10.9	8.2	8.1	-.12	.47
28	4	89	21	298.	3.8	7.2	7.0	10.6	11.2	7.0	6.8	-.03	.49
28	4	89	22	302.	3.3	5.6	5.2	10.1	10.6	5.9	5.7	-.03	.52
28	4	89	23	297.	3.3	5.4	5.2	9.1	9.9	5.0	4.7	.03	.56
28	4	89	24	298.	3.8	5.2	4.8	5.6	6.3	4.2	3.9	.12	.62
29	4	89	1	301.	3.9	5.4	5.0	6.0	6.3	4.0	3.7	.12	.66
29	4	89	2	299.	3.9	5.4	5.0	5.6	6.0	3.7	3.4	.09	.67
29	4	89	3	305.	3.9	5.8	5.4	6.0	6.4	3.6	3.4	.06	.67
29	4	89	4	308.	4.1	5.6	5.2	4.9	5.1	3.5	3.2	.03	.69
29	4	89	5	311.	4.1	6.0	5.4	5.4	5.8	3.4	3.2	.00	.68
29	4	89	6	309.	4.5	6.8	6.4	6.3	6.4	3.8	4.0	-.22	.67
29	4	89	7	305.	4.3	6.4	6.2	8.6	8.8	4.6	5.3	-.31	.65
29	4	89	8	308.	3.8	6.2	5.8	9.0	9.2	5.8	6.7	-.53	.64
29	4	89	9	298.	3.4	5.6	5.4	9.4	9.8	7.2	8.2	-.71	.63
29	4	89	10	311.	2.7	7.4	6.8	23.5	24.7	9.2	10.3	-.96	.62
29	4	89	11	148.	1.6	4.4	4.0	58.6	88.4	10.6	11.5	-1.15	.61
29	4	89	12	305.	1.0	4.6	4.4	86.2	100.6	10.8	11.5	-.78	.60
29	4	89	13	187.	2.4	7.0	6.6	42.4	107.1	11.1	12.2	-.71	.61
29	4	89	14	138.	3.3	6.2	5.8	23.1	29.2	11.0	12.3	-.65	.62
29	4	89	15	134.	3.7	7.2	6.6	20.3	21.7	11.1	12.2	-.59	.61
29	4	89	16	159.	3.9	7.2	6.8	17.2	20.7	10.6	11.4	-.40	.61
29	4	89	17	165.	3.2	5.6	5.2	16.6	20.9	10.4	11.3	-.34	.61
29	4	89	18	183.	3.1	5.6	5.6	14.2	15.1	9.9	10.5	-.22	.62
29	4	89	19	169.	2.8	6.2	6.0	14.7	16.4	9.9	10.6	-.31	.60
29	4	89	20	152.	1.8	3.6	3.2	12.7	18.7	8.3	7.9	.00	.64
29	4	89	21	197.	2.1	4.4	4.2	10.9	16.3	7.1	5.9	.59	.67
29	4	89	22	145.	.9	2.2	2.0	24.9	30.4	7.1	5.2	.22	.67
29	4	89	23	299.	1.0	2.2	2.2	43.9	87.3	6.8	5.4	.37	.67
29	4	89	24	342.	.5	2.6	2.4	44.3	60.8	5.6	4.3	.28	.72
30	4	89	1	359.	2.0	4.8	4.4	5.4	7.6	3.7	2.7	.47	.87
30	4	89	2	350.	1.4	3.4	3.4	4.7	14.5	2.7	1.8	.43	.91
30	4	89	3	332.	1.9	2.8	2.6	5.1	7.2	1.7	.9	.59	.92
30	4	89	4	332.	2.3	3.4	3.2	4.7	8.4	1.2	.7	.40	.91
30	4	89	5	332.	2.8	4.4	4.2	6.0	7.3	1.2	.6	.37	.84
30	4	89	6	328.	2.2	3.8	3.6	7.7	9.6	1.7	1.8	.09	.70
30	4	89	7	318.	2.2	4.0	3.8	11.2	11.9	2.9	3.9	-.06	.61
30	4	89	8	308.	1.8	3.2	3.0	11.6	12.7	4.6	5.7	-.40	.61
30	4	89	9	242.	1.0	2.6	2.6	28.7	35.7	7.8	8.6	-.62	.61
30	4	89	10	122.	2.3	6.0	5.6	43.0	57.2	10.0	11.0	-.96	.54
30	4	89	11	136.	3.8	7.6	6.8	17.6	18.8	10.4	11.5	-.68	.44
30	4	89	12	135.	3.8	6.6	6.0	13.7	14.6	10.4	11.4	-.65	.56
30	4	89	13	132.	4.3	6.8	6.2	13.6	14.4	10.4	11.5	-.59	.55
30	4	89	14	142.	4.9	9.2	7.8	14.7	15.7	9.2	10.2	-.62	.76
30	4	89	15	131.	4.6	7.6	7.2	14.3	15.3	9.7	10.7	-.53	.68
30	4	89	16	155.	4.6	8.0	7.4	16.0	18.4	9.8	10.7	-.47	.60
30	4	89	17	155.	3.8	7.2	7.0	16.8	17.2	9.6	10.6	-.34	.69
30	4	89	18	138.	4.5	8.8	8.4	13.4	13.9	8.4	9.2	-.28	.82
30	4	89	19	114.	3.2	5.6	5.2	12.3	16.8	7.7	8.0	-.22	.87
30	4	89	20	117.	3.2	5.2	5.0	8.7	9.1	6.9	6.8	-.12	.96
30	4	89	21	122.	3.3	4.8	4.8	6.6	7.0	6.6	6.4	.09	.97
30	4	89	22	186.	1.6	4.6	4.2	28.5	34.1	6.8	6.2	.22	.93
30	4	89	23	239.	1.8	4.6	4.4	15.3	20.9	6.9	6.0	.28	.83
30	4	89	24	195.	1.2	3.8	3.8	34.9	56.7	6.0	4.8	.25	.87
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	5	89	1	228.	.9	2.6	2.2	38.7	40.9	5.5	4.2	.19	.86
1	5	89	2	177.	1.6	3.8	3.6	13.0	32.2	5.1	4.3	.22	.85
1	5	89	3	181.	1.9	3.4	3.2	9.3	10.3	4.7	4.2	.09	.87
1	5	89	4	204.	2.4	4.6	4.2	12.4	16.5	5.0	4.9	-.03	.87
1	5	89	5	170.	2.5	4.4	4.2	11.1	16.6	5.4	5.3	-.09	.90
1	5	89	6	188.	3.6	6.4	6.0	12.2	12.7	5.9	6.0	-.12	.95
1	5	89	7	184.	3.5	6.4	6.0	12.1	12.7	6.6	6.7	-.19	.93
1	5	89	8	190.	3.5	7.2	6.8	13.5	13.9	7.1	7.4	-.25	.89
1	5	89	9	191.	4.4	8.4	7.6	14.1	14.5	7.4	7.8	-.31	.86
1	5	89	10	180.	4.2	8.4	7.8	14.3	15.2	7.5	8.0	-.34	.83
1	5	89	11	194.	4.5	9.2	9.0	12.5	14.1	7.3	7.7	-.31	.84
1	5	89	12	180.	2.9	7.6	7.2	17.4	23.1	6.6	6.9	-.25	.91
1	5	89	13	162.	3.4	6.8	6.2	16.5	17.3	6.5	6.8	-.22	.96
1	5	89	14	166.	3.9	8.0	7.8	15.1	16.5	6.7	7.0	-.19	.94
1	5	89	15	160.	4.3	8.2	7.6	15.7	16.0	7.4	7.7	-.19	.91
1	5	89	16	163.	4.2	9.4	8.6	14.8	15.7	7.7	8.0	-.19	.91
1	5	89	17	172.	3.8	8.0	7.4	14.8	15.4	7.9	8.2	-.19	.92
1	5	89	18	195.	3.9	8.0	7.6	14.9	22.7	7.8	8.0	-.12	.91
1	5	89	19	193.	4.3	7.8	7.4	11.1	11.2	7.7	7.8	-.19	.91
1	5	89	20	180.	2.8	6.2	5.6	13.7	15.0	7.0	7.2	-.19	.97
1	5	89	21	179.	1.9	3.6	3.4	14.9	18.2	6.8	6.9	-.16	.97
1	5	89	22	179.	2.0	3.6	3.4	13.1	15.1	6.8	6.9	-.12	.97
1	5	89	23	188.	1.9	3.6	3.4	12.7	17.3	6.8	6.8	-.12	.97
1	5	89	24	204.	1.8	4.2	4.0	15.4	23.4	6.5	6.2	.03	.96
2	5	89	1	170.	1.0	2.4	2.4	25.0	31.7	6.4	6.0	.09	.95
2	5	89	2	180.	1.2	2.6	2.6	12.6	18.0	6.2	5.9	.00	.95
2	5	89	3	180.	1.6	3.0	3.0	12.8	18.3	6.0	6.1	-.09	.95
2	5	89	4	236.	1.3	3.6	3.4	17.8	26.1	6.1	6.2	-.12	.96
2	5	89	5	349.	.3	1.6	1.4	38.1	44.8	6.0	6.2	-.16	.96
2	5	89	6	267.	.8	2.4	2.2	34.8	40.9	6.1	6.2	-.16	.96
2	5	89	7	294.	1.1	2.4	2.2	16.2	20.5	6.0	6.3	-.25	.96
2	5	89	8	295.	1.5	3.0	2.8	13.0	17.4	6.0	6.4	-.19	.96
2	5	89	9	299.	1.3	2.8	2.6	20.0	21.0	7.0	7.8	-.47	.95
2	5	89	10	3.	1.1	2.8	2.6	28.7	34.7	10.5	11.8	-.84	.84
2	5	89	11	134.	1.0	3.4	3.2	48.4	114.3	13.9	15.1	-.84	.81
2	5	89	12	125.	3.3	5.2	5.0	11.9	13.8	12.6	13.6	-.65	.85
2	5	89	13	121.	3.4	5.4	4.8	11.2	11.7	13.0	14.1	-.62	.87
2	5	89	14	117.	3.7	5.6	5.4	9.8	10.5	13.9	14.8	-.50	.85
2	5	89	15	124.	4.3	7.6	6.8	9.9	10.8	13.9	14.8	-.53	.87
2	5	89	16	128.	5.0	7.4	7.2	9.8	10.5	11.7	12.3	-.43	.92
2	5	89	17	117.	3.7	6.8	6.2	12.7	13.5	12.4	13.2	-.47	.91
2	5	89	18	111.	3.2	5.8	5.4	11.4	12.3	11.0	11.4	-.34	.94
2	5	89	19	120.	3.3	5.0	4.8	7.4	7.7	10.2	10.4	-.25	.96
2	5	89	20	128.	2.9	4.4	3.8	6.9	7.3	9.3	9.2	-.06	.97
2	5	89	21	135.	1.8	3.4	3.2	9.0	9.9	8.8	8.5	.12	.97
2	5	89	22	150.	.5	1.4	1.2	9.1	16.7	8.5	7.6	.31	.97
2	5	89	23	221.	.1	.8	.6	42.2	62.5	8.5	7.5	.19	.97
2	5	89	24	290.	.3	1.2	1.2	55.6	90.4	8.5	7.4	.03	.97
3	5	89	1	13.	.8	1.4	1.4	12.3	28.8	7.8	6.9	.53	.96
3	5	89	2	72.	.1	1.0	1.0	34.8	79.0	7.5	6.8	.22	.96
3	5	89	3	96.	.8	1.4	1.2	7.0	15.4	6.6	6.0	.43	.95
3	5	89	4	305.	.7	1.8	1.6	20.7	56.3	6.4	5.3	.53	.94
3	5	89	5	172.	.2	1.2	1.0	66.0	95.6	6.2	5.5	.50	.94
3	5	89	6	75.	1.0	1.8	1.6	22.6	25.0	6.1	6.2	.40	.95
3	5	89	7	336.	.8	1.8	1.6	15.0	43.2	8.0	8.3	.28	.97
3	5	89	8	98.	.3	1.8	1.6	76.5	136.1	11.8	12.4	.25	.95
3	5	89	9	103.	1.6	3.2	3.2	18.2	19.0	11.1	11.8	-.22	.90
3	5	89	10	122.	2.0	3.6	3.4	8.8	10.0	12.3	13.2	-.62	.84
3	5	89	11	111.	1.9	3.8	3.6	10.3	11.7	15.2	16.0	-.68	.77
3	5	89	12	114.	2.5	4.0	3.8	9.7	11.2	15.1	16.0	-.62	.76
3	5	89	13	122.	2.8	5.2	5.0	12.0	13.0	14.7	15.6	-.56	.77
3	5	89	14	117.	2.5	4.0	3.6	11.8	13.6	15.7	16.3	-.40	.76
3	5	89	15	312.	2.0	7.2	7.0	47.8	84.7	18.6	19.4	-.47	.64
3	5	89	16	304.	5.8	11.2	10.4	12.3	12.7	19.5	20.4	-.62	.55
3	5	89	17	309.	5.4	10.6	9.6	15.0	15.7	18.3	18.9	-.50	.57
3	5	89	18	298.	5.1	9.0	8.6	14.5	15.3	17.6	18.2	-.47	.55
3	5	89	19	311.	6.7	11.2	10.6	10.3	11.0	16.2	16.4	-.28	.50
3	5	89	20	314.	6.5	13.6	12.8	11.2	13.2	14.4	14.2	-.09	.49
3	5	89	21	322.	5.2	9.2	8.4	12.2	13.0	12.5	12.1	-.03	.52
3	5	89	22	321.	4.7	8.4	7.8	12.6	13.1	11.5	11.1	.00	.54
3	5	89	23	305.	4.5	7.8	7.2	9.6	11.6	10.3	10.0	.03	.57
3	5	89	24	312.	5.2	9.8	9.4	9.0	9.8	9.9	9.6	.03	.58

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
4	5	89	1	321.	4.6	7.8	7.4	9.7	10.5	9.3	8.9	.00	.59
4	5	89	2	308.	4.7	7.4	7.2	6.4	8.1	8.3	8.0	.09	.63
4	5	89	3	304.	4.1	6.0	5.8	6.6	7.3	7.4	7.1	.19	.67
4	5	89	4	295.	4.1	6.2	6.0	7.4	8.8	7.2	6.9	.16	.67
4	5	89	5	309.	4.0	5.4	5.2	5.3	6.3	7.0	6.7	.16	.68
4	5	89	6	307.	3.8	5.4	5.2	4.9	5.3	7.2	7.4	-.09	.67
4	5	89	7	307.	2.9	4.6	4.4	8.0	10.2	8.5	9.5	-.25	.65
4	5	89	8	308.	3.5	5.0	4.6	6.1	6.6	9.9	10.9	-.53	.61
4	5	89	9	298.	2.3	4.2	4.0	11.0	12.3	11.9	13.0	-.78	.56
4	5	89	10	318.	1.6	3.4	3.2	18.2	20.1	13.8	14.6	-1.02	.53
4	5	89	11	307.	1.5	3.8	3.4	27.7	30.5	14.7	15.7	-.93	.50
4	5	89	12	143.	2.7	6.4	6.0	41.3	100.4	14.6	15.5	-.53	.53
4	5	89	13	169.	4.2	8.2	7.8	15.7	18.7	13.7	14.7	-.43	.56
4	5	89	14	134.	4.4	8.8	8.2	19.2	23.2	13.9	14.9	-.56	.55
4	5	89	15	136.	4.2	7.6	7.2	14.9	18.4	13.5	14.3	-.37	.57
4	5	89	16	112.	3.7	6.2	5.8	11.2	13.2	11.8	12.5	-.47	.69
4	5	89	17	35.	1.7	5.0	4.6	41.5	57.7	13.4	14.2	-.28	.76
4	5	89	18	299.	3.8	10.8	10.2	33.0	37.6	16.2	16.9	-.47	.57
4	5	89	19	297.	6.6	12.2	11.6	14.6	14.9	14.7	15.0	-.34	.54
4	5	89	20	304.	5.3	12.6	11.4	15.7	16.2	13.1	13.0	-.16	.59
4	5	89	21	308.	4.9	10.4	9.8	11.3	11.6	11.6	11.3	.00	.63
4	5	89	22	301.	5.0	11.0	10.2	11.5	12.1	10.5	10.3	-.03	.60
4	5	89	23	295.	3.2	7.6	7.2	23.5	26.8	9.5	9.2	.03	.63
4	5	89	24	316.	4.1	7.4	6.8	9.8	11.8	9.0	8.6	.09	.65
5	5	89	1	321.	4.4	8.2	7.8	11.2	12.3	8.2	7.8	.00	.66
5	5	89	2	316.	4.8	9.0	8.4	11.2	11.9	7.9	7.7	.00	.63
5	5	89	3	311.	4.4	8.6	8.2	11.0	11.3	7.7	7.5	-.03	.60
5	5	89	4	312.	4.4	8.8	8.4	11.6	12.8	7.5	7.4	-.06	.59
5	5	89	5	314.	4.0	7.0	6.4	11.5	12.4	7.3	7.1	-.09	.59
5	5	89	6	314.	4.0	7.4	6.8	10.6	10.9	7.1	7.2	-.12	.59
5	5	89	7	307.	3.0	6.6	6.2	12.8	14.6	7.9	8.4	-.28	.59
5	5	89	8	309.	3.5	6.6	6.0	11.2	11.8	9.0	10.0	-.62	.57
5	5	89	9	308.	4.8	9.4	9.2	10.1	11.8	9.6	10.6	-.56	.54
5	5	89	10	305.	3.2	7.4	7.2	12.3	16.8	10.8	11.7	-.96	.53
5	5	89	11	299.	3.1	6.4	6.0	13.5	15.8	11.7	12.9	-1.02	.53
5	5	89	12	292.	4.6	8.8	8.0	15.3	16.0	11.5	12.3	-.93	.54
5	5	89	13	309.	5.3	10.6	9.6	11.2	14.0	11.8	12.9	-.75	.51
5	5	89	14	305.	3.9	9.4	8.0	13.6	14.4	12.9	14.3	-.78	.50
5	5	89	15	290.	3.5	11.2	10.6	26.7	30.2	13.3	14.4	-.68	.49
5	5	89	16	297.	5.8	13.8	12.8	17.0	18.2	13.0	13.6	-.65	.47
5	5	89	17	283.	6.6	13.4	11.8	15.9	18.2	12.5	13.0	-.71	.50
5	5	89	18	267.	5.3	10.6	10.2	15.5	16.7	11.9	12.2	-.59	.51
5	5	89	19	259.	5.7	11.6	11.0	16.1	18.3	11.1	11.2	-.43	.52
5	5	89	20	277.	5.4	10.8	10.2	15.2	16.2	9.7	9.6	-.22	.55
5	5	89	21	298.	5.2	9.6	9.2	16.9	17.8	8.4	8.3	-.09	.60
5	5	89	22	307.	6.1	10.8	10.4	10.9	11.2	7.6	7.5	-.06	.62
5	5	89	23	311.	6.6	11.8	11.0	11.6	12.3	6.8	6.7	-.09	.57
5	5	89	24	307.	6.0	10.6	10.4	10.2	10.4	6.0	5.9	-.06	.56
6	5	89	1	326.	6.1	11.8	11.4	12.3	14.0	5.6	5.5	-.09	.54
6	5	89	2	316.	6.9	12.8	12.4	11.2	11.9	5.6	5.4	-.09	.53
6	5	89	3	321.	6.7	12.4	11.6	11.1	11.7	5.5	5.4	-.09	.55
6	5	89	4	329.	5.7	10.8	9.8	13.1	14.0	5.4	5.2	-.09	.56
6	5	89	5	326.	5.3	9.0	8.8	9.9	10.1	5.5	5.3	-.06	.56
6	5	89	6	336.	4.7	8.6	8.0	10.9	11.9	6.0	6.3	-.16	.57
6	5	89	7	351.	5.2	13.0	12.8	13.1	15.8	7.4	8.1	-.16	.54
6	5	89	8	353.	7.1	13.2	12.2	13.3	13.7	8.2	9.0	-.22	.51
6	5	89	9	356.	5.5	12.4	12.2	15.2	16.3	9.4	10.5	-.34	.50
6	5	89	10	351.	5.1	11.4	10.6	16.5	17.4	10.5	11.7	-.47	.48
6	5	89	11	7.	5.7	12.0	11.4	15.8	17.3	11.6	12.7	-.50	.45
6	5	89	12	319.	4.7	10.0	9.4	19.9	23.8	12.6	13.9	-.47	.42
6	5	89	13	332.	4.5	9.0	8.4	19.6	24.0	13.5	14.6	-.56	.41
6	5	89	14	353.	4.0	8.8	8.4	21.2	27.4	14.4	15.7	-.47	.36
6	5	89	15	299.	3.1	7.0	6.8	24.8	30.0	15.2	16.3	-.78	.36
6	5	89	16	304.	3.2	6.4	6.2	16.6	19.2	15.7	16.7	-.87	.34
6	5	89	17	122.	3.2	6.4	6.0	50.7	91.4	13.8	14.8	-.59	.49
6	5	89	18	114.	2.4	4.4	4.0	18.7	21.3	13.2	13.8	-.43	.53
6	5	89	19	305.	2.9	8.4	8.0	50.2	96.0	12.8	13.1	-.31	.51
6	5	89	20	312.	4.6	8.2	7.8	10.8	11.3	11.6	11.5	-.12	.48
6	5	89	21	307.	4.4	7.0	6.8	9.5	9.9	10.3	10.1	-.03	.51
6	5	89	22	314.	3.4	7.2	6.6	10.5	11.2	9.3	9.1	-.03	.56
6	5	89	23	290.	3.2	6.0	5.6	9.1	12.7	8.7	8.4	.06	.57
6	5	89	24	299.	2.7	4.0	3.8	8.7	10.1	8.1	7.8	.06	.58

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
7	5	89	1	298.	2.0	3.8	3.6	20.2	22.8	7.7	7.4	.03	.61
7	5	89	2	297.	2.1	3.4	3.2	8.8	12.0	7.4	7.0	.16	.62
7	5	89	3	337.	2.0	3.2	3.0	9.3	16.6	7.3	6.8	.12	.63
7	5	89	4	302.	1.6	4.4	4.0	11.0	27.7	6.6	5.7	.12	.68
7	5	89	5	323.	2.3	3.8	3.6	10.1	14.5	6.3	5.9	.09	.71
7	5	89	6	307.	3.0	4.8	4.6	9.0	10.2	7.2	7.7	-.22	.70
7	5	89	7	332.	2.6	4.4	4.0	10.4	13.5	8.1	8.7	-.25	.69
7	5	89	8	322.	2.8	5.2	4.8	12.7	14.1	9.4	10.3	-.28	.68
7	5	89	9	309.	3.2	5.8	5.0	9.8	10.7	10.6	11.3	-.47	.66
7	5	89	10	311.	2.3	4.6	4.4	17.3	21.1	12.2	13.3	-.71	.63
7	5	89	11	298.	2.0	4.8	4.4	20.3	23.4	13.6	14.7	-.96	.60
7	5	89	12	134.	1.7	4.8	4.2	61.6	85.2	14.1	15.0	-.90	.58
7	5	89	13	176.	2.1	5.2	5.0	57.0	86.2	14.6	15.8	-.71	.59
7	5	89	14	239.	1.6	4.8	4.4	65.8	77.5	14.8	15.4	-.62	.57
7	5	89	15	302.	2.2	6.0	5.2	47.6	65.0	15.0	15.8	-.65	.58
7	5	89	16	308.	4.2	6.8	6.6	9.6	9.9	14.7	15.6	-.56	.56
7	5	89	17	298.	4.8	9.0	8.4	12.4	12.7	12.9	13.1	-.25	.57
7	5	89	18	311.	4.8	8.4	8.2	10.8	11.2	12.5	12.6	-.16	.58
7	5	89	19	290.	4.5	9.4	8.6	12.1	13.0	12.0	12.0	-.12	.60
7	5	89	20	290.	2.8	6.4	5.8	15.5	15.8	11.6	11.4	-.16	.62
7	5	89	21	304.	2.4	5.4	5.2	17.6	19.1	11.0	10.8	-.06	.65
7	5	89	22	273.	3.6	8.2	8.0	16.0	17.7	10.6	10.4	-.03	.65
7	5	89	23	283.	4.4	10.2	9.2	15.1	16.5	10.0	9.9	-.06	.64
7	5	89	24	233.	2.2	8.0	7.4	71.8	101.6	8.7	8.3	.00	.68
8	5	89	1	260.	1.0	4.8	4.6	71.9	87.1	8.1	7.3	-.03	.73
8	5	89	2	153.	1.3	4.8	4.6	83.4	93.6	7.5	7.0	.00	.76
8	5	89	3	342.	1.3	3.6	3.4	43.5	52.1	7.0	5.8	.19	.81
8	5	89	4	288.	2.8	5.4	5.4	13.6	30.6	7.4	6.1	.19	.81
8	5	89	5	302.	3.6	7.8	7.0	18.5	24.1	6.9	6.7	.03	.81
8	5	89	6	301.	3.8	6.6	6.2	10.9	11.9	8.2	8.6	-.28	.78
8	5	89	7	316.	4.1	6.8	6.2	10.5	12.7	9.8	10.6	-.37	.74
8	5	89	8	314.	4.9	9.6	9.0	9.2	10.4	11.2	12.0	-.43	.70
8	5	89	9	326.	4.7	9.8	9.6	16.0	17.4	12.6	13.5	-.47	.63
8	5	89	10	330.	4.4	8.4	8.0	16.7	18.4	13.2	14.3	-.43	.59
8	5	89	11	323.	4.0	7.8	7.4	16.4	19.3	13.7	14.9	-.47	.57
8	5	89	12	309.	3.5	6.0	5.6	11.0	13.1	14.4	15.7	-.78	.55
8	5	89	13	309.	3.8	6.8	6.4	10.0	10.3	14.8	16.1	-.75	.54
8	5	89	14	292.	3.5	6.2	5.8	11.7	13.1	15.3	16.6	-.78	.52
8	5	89	15	307.	3.3	6.2	6.0	14.1	15.3	16.0	17.1	-.81	.48
8	5	89	16	311.	3.3	7.6	6.8	12.6	13.0	16.1	17.0	-.68	.46
8	5	89	17	332.	2.2	4.8	4.6	17.6	21.7	15.7	16.3	-.43	.49
8	5	89	18	284.	3.5	8.4	8.2	20.6	29.7	14.8	15.2	-.40	.53
8	5	89	19	308.	2.8	6.8	6.4	14.8	16.7	13.1	13.2	-.22	.61
8	5	89	20	330.	1.9	4.0	3.8	10.3	14.5	12.6	12.5	-.09	.65
8	5	89	21	294.	1.2	2.8	2.6	11.1	13.6	12.2	11.7	.00	.71
8	5	89	22	240.	.9	2.0	1.8	17.7	29.3	11.8	11.2	.03	.75
8	5	89	23	260.	1.1	2.4	2.4	18.1	20.0	11.1	10.8	.00	.80
8	5	89	24	243.	1.3	3.4	3.2	15.8	17.7	10.2	9.9	.00	.84
9	5	89	1	271.	2.0	3.6	3.4	13.0	18.7	9.5	9.3	-.03	.85
9	5	89	2	262.	2.0	3.6	3.4	9.5	11.6	9.0	8.7	.03	.85
9	5	89	3	250.	1.9	4.0	3.8	13.1	18.9	8.4	8.2	.03	.85
9	5	89	4	269.	1.4	4.0	4.0	25.5	29.3	8.2	7.6	.03	.87
9	5	89	5	212.	1.4	3.8	3.6	38.9	56.7	7.6	7.0	.16	.90
9	5	89	6	235.	1.8	4.4	4.0	21.2	22.2	8.4	8.7	-.28	.85
9	5	89	7	256.	1.5	3.6	3.4	22.6	25.3	8.9	9.2	-.37	.84
9	5	89	8	112.	1.1	3.4	3.2	52.5	76.0	10.7	11.1	-.47	.81
9	5	89	9	115.	2.0	3.4	3.2	9.8	10.9	9.2	9.5	-.25	.87
9	5	89	10	136.	2.2	3.8	3.8	11.6	14.1	9.7	10.1	-.34	.89
9	5	89	11	166.	3.2	6.4	6.0	15.4	18.0	10.3	10.8	-.31	.85
9	5	89	12	174.	3.5	6.6	6.4	19.2	20.0	10.8	11.8	-.43	.85
9	5	89	13	176.	4.9	9.4	8.4	17.4	18.8	11.1	12.1	-.53	.83
9	5	89	14	321.	6.5	16.8	15.6	27.0	67.1	8.1	8.7	-.50	.89
9	5	89	15	298.	3.5	7.0	6.6	15.0	21.7	6.6	7.6	-.53	.89
9	5	89	16	259.	4.1	10.8	10.0	19.8	21.8	9.7	10.4	-.81	.73
9	5	89	17	260.	6.1	14.6	13.0	15.7	16.1	10.7	10.9	-.47	.52
9	5	89	18	254.	4.6	9.2	8.6	18.7	19.2	10.6	10.7	-.31	.50
9	5	89	19	260.	5.3	13.0	12.4	21.0	21.5	10.4	10.5	-.40	.52
9	5	89	20	250.	5.4	11.8	11.0	16.7	17.5	9.3	9.1	-.28	.57
9	5	89	21	231.	3.9	7.8	7.4	17.4	18.3	7.9	7.7	-.06	.61
9	5	89	22	238.	4.2	7.6	7.4	12.4	12.8	7.0	6.8	-.03	.63
9	5	89	23	221.	3.6	7.8	7.2	16.1	16.9	6.5	6.2	-.03	.67
9	5	89	24	235.	3.2	7.6	7.0	16.7	17.5	5.8	5.5	.03	.71

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
10	5	89	1	229.	3.8	7.4	7.0	16.5	16.9	5.4	5.2	-.03	.69
10	5	89	2	214.	3.1	6.4	6.0	16.9	17.6	4.9	4.6	-.03	.70
10	5	89	3	143.	2.1	5.8	5.2	21.2	30.6	4.3	3.7	.06	.73
10	5	89	4	204.	1.9	5.6	5.2	23.6	57.3	3.3	2.2	.25	.80
10	5	89	5	204.	2.8	5.8	5.4	10.1	11.1	3.2	2.9	.06	.80
10	5	89	6	193.	3.3	6.0	5.8	10.3	11.4	4.5	5.3	-.31	.74
10	5	89	7	200.	4.5	7.0	7.0	10.3	10.5	5.8	7.0	-.50	.70
10	5	89	8	209.	3.8	7.6	7.4	16.3	16.9	7.5	8.5	-.68	.65
10	5	89	9	209.	4.3	8.6	7.8	15.5	16.9	8.4	9.1	-.65	.63
10	5	89	10	250.	4.4	10.6	10.0	21.7	25.6	9.7	10.3	-.65	.61
10	5	89	11	263.	4.0	9.6	9.2	27.1	30.6	11.2	11.8	-.87	.59
10	5	89	12	321.	2.9	9.6	8.6	30.2	35.0	11.9	12.7	-.87	.57
10	5	89	13	294.	5.5	10.4	10.0	16.0	18.3	12.1	12.8	-.62	.44
10	5	89	14	299.	5.8	11.4	10.6	15.2	16.6	12.7	13.6	-.75	.43
10	5	89	15	302.	6.0	11.6	11.0	13.6	15.0	12.6	13.5	-.65	.41
10	5	89	16	297.	5.3	10.4	9.8	15.7	16.4	12.9	13.8	-.62	.40
10	5	89	17	297.	5.6	12.0	11.2	14.7	15.0	13.0	13.7	-.71	.39
10	5	89	18	288.	5.4	11.0	10.0	15.1	16.9	12.6	13.2	-.59	.40
10	5	89	19	308.	5.2	10.4	9.4	14.0	15.3	11.8	12.1	-.47	.44
10	5	89	20	308.	5.0	10.2	9.0	13.5	14.3	10.7	10.5	-.22	.46
10	5	89	21	309.	5.1	9.2	8.6	10.6	10.8	9.3	9.1	-.03	.48
10	5	89	22	314.	5.4	9.8	9.4	10.8	11.5	8.2	8.0	-.06	.51
10	5	89	23	314.	4.3	8.4	8.2	11.1	11.2	7.2	6.9	-.06	.53
10	5	89	24	308.	3.4	6.0	5.8	11.0	11.8	6.2	5.9	-.03	.59
11	5	89	1	298.	3.5	6.0	5.4	7.4	8.0	5.6	5.3	.06	.61
11	5	89	2	288.	3.6	5.2	5.0	7.2	8.4	4.9	4.6	.03	.63
11	5	89	3	294.	3.6	5.4	5.2	7.4	8.6	4.3	4.0	.06	.62
11	5	89	4	295.	3.2	4.6	4.6	6.0	6.9	3.6	3.2	.09	.65
11	5	89	5	297.	3.5	4.8	4.4	4.7	5.8	3.3	3.3	.03	.68
11	5	89	6	314.	3.0	4.2	4.0	6.9	10.5	4.1	4.7	-.31	.66
11	5	89	7	315.	1.7	3.4	3.2	13.0	16.5	5.6	6.7	-.40	.63
11	5	89	8	292.	2.0	3.0	3.0	10.9	13.2	7.2	8.2	-.62	.61
11	5	89	9	209.	1.6	3.6	3.4	35.3	43.8	9.0	9.9	-1.02	.60
11	5	89	10	115.	2.8	6.6	6.0	40.1	54.8	9.9	11.0	-.93	.62
11	5	89	11	127.	3.5	7.0	6.4	18.5	20.0	9.7	10.9	-.65	.65
11	5	89	12	118.	3.7	6.8	6.4	18.5	22.8	9.7	10.8	-.56	.66
11	5	89	13	127.	3.7	6.6	6.2	16.1	18.4	10.0	11.1	-.62	.67
11	5	89	14	156.	4.3	7.6	7.0	16.0	24.0	10.2	11.3	-.62	.63
11	5	89	15	152.	4.8	9.0	7.8	17.0	17.8	9.8	11.0	-.53	.61
11	5	89	16	166.	4.1	8.6	7.4	18.0	21.7	10.3	11.5	-.47	.58
11	5	89	17	194.	5.0	9.4	9.0	15.3	18.0	10.3	11.4	-.56	.54
11	5	89	18	181.	3.9	8.0	7.6	15.8	17.0	9.4	10.1	-.47	.54
11	5	89	19	150.	3.1	7.2	7.0	16.6	19.2	8.6	9.0	-.25	.59
11	5	89	20	121.	2.3	4.6	4.4	14.1	21.2	8.1	8.2	-.19	.66
11	5	89	21	145.	3.1	5.6	5.4	8.7	15.1	6.6	6.4	-.06	.82
11	5	89	22	166.	3.5	5.8	5.6	10.8	12.4	6.0	5.8	-.03	.88
11	5	89	23	134.	2.4	4.2	4.0	8.4	17.4	5.7	5.2	.09	.92
11	5	89	24	103.	1.2	2.2	2.0	5.6	13.8	5.5	4.1	.28	.93
12	5	89	1	17.	1.2	2.0	1.8	8.9	37.1	5.3	4.0	.40	.92
12	5	89	2	31.	1.6	2.4	2.2	6.1	11.5	4.5	3.4	.43	.91
12	5	89	3	357.	1.3	2.8	2.6	27.7	36.4	3.9	2.9	.37	.90
12	5	89	4	32.	1.6	3.0	2.8	11.4	15.8	4.2	3.7	.25	.89
12	5	89	5	65.	1.3	3.4	3.2	27.6	28.7	5.1	5.0	-.06	.87
12	5	89	6	38.	2.5	5.0	4.8	15.8	18.1	5.7	5.8	-.12	.84
12	5	89	7	60.	2.4	5.8	5.4	20.9	22.9	6.3	6.5	-.22	.78
12	5	89	8	62.	3.0	6.4	5.8	19.9	20.1	7.0	7.3	-.28	.70
12	5	89	9	56.	3.9	7.6	7.0	17.0	17.2	8.0	8.6	-.40	.65
12	5	89	10	76.	3.6	7.6	7.2	22.2	23.1	9.5	10.2	-.53	.60
12	5	89	11	72.	4.8	10.6	9.8	15.4	16.1	10.6	11.2	-.53	.56
12	5	89	12	70.	5.2	10.8	10.0	18.4	18.9	12.0	12.8	-.68	.52
12	5	89	13	96.	5.4	12.0	11.6	16.5	18.8	12.5	13.1	-.50	.49
12	5	89	14	136.	5.4	10.2	9.8	16.2	25.5	11.8	12.2	-.37	.55
12	5	89	15	107.	5.9	10.6	10.2	13.1	17.7	10.1	10.4	-.28	.67
12	5	89	16	97.	4.6	9.8	9.4	13.3	15.2	8.3	8.5	-.22	.84
12	5	89	17	62.	3.3	7.0	6.2	16.2	18.3	7.4	7.6	-.16	.94
12	5	89	18	51.	3.5	8.0	7.4	16.8	17.2	7.1	7.2	-.12	.95
12	5	89	19	46.	2.9	7.4	6.8	20.0	20.5	6.8	7.0	-.16	.95
12	5	89	20	53.	2.6	5.8	5.6	19.8	20.2	6.8	6.9	-.12	.96
12	5	89	21	34.	2.2	4.4	4.4	17.0	18.7	6.8	6.9	-.12	.96
12	5	89	22	4.	1.7	3.8	3.6	44.4	45.1	6.8	6.9	-.09	.96
12	5	89	23	87.	.7	2.2	2.0	40.9	89.2	6.9	7.0	-.09	.96
12	5	89	24	127.	1.1	2.2	2.0	8.8	15.9	7.0	7.1	-.09	.97

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
13	5	89	1	195.	2.8	11.2	10.6	16.1	28.1	7.0	7.1	-.09	.96
13	5	89	2	204.	3.5	8.8	8.4	15.8	16.0	5.7	5.8	-.12	.89
13	5	89	3	201.	2.9	7.0	6.6	16.9	18.9	5.2	5.3	-.12	.90
13	5	89	4	239.	2.2	5.6	5.2	12.2	16.6	4.8	4.8	-.09	.89
13	5	89	5	181.	1.7	3.4	3.4	26.8	58.3	4.6	4.5	.09	.88
13	5	89	6	125.	2.1	3.6	3.4	9.4	21.8	4.7	4.8	.06	.89
13	5	89	7	115.	1.5	3.4	3.2	15.3	20.6	5.6	6.3	-.09	.86
13	5	89	8	146.	2.4	9.0	8.8	16.6	25.5	5.9	6.1	-.22	.87
13	5	89	9	129.	2.3	5.4	5.0	15.7	19.6	7.6	8.6	-.47	.86
13	5	89	10	152.	3.8	7.2	6.8	14.9	17.7	7.9	8.6	-.37	.85
13	5	89	11	142.	3.8	7.0	6.8	12.5	14.7	7.1	7.5	-.28	.86
13	5	89	12	127.	2.6	5.4	5.2	15.1	16.8	7.2	7.8	-.31	.87
13	5	89	13	128.	3.8	6.8	6.4	13.8	14.3	7.9	8.5	-.40	.85
13	5	89	14	129.	4.6	7.6	7.0	11.4	12.5	8.4	9.2	-.50	.83
13	5	89	15	173.	4.4	8.6	8.4	15.8	20.5	7.7	8.3	-.34	.84
13	5	89	16	167.	3.5	8.0	7.6	12.0	12.3	6.0	6.4	-.25	.88
13	5	89	17	153.	1.9	4.2	4.0	13.8	16.1	6.2	6.7	-.25	.87
13	5	89	18	146.	1.7	3.6	3.2	16.7	23.6	6.6	7.0	-.25	.90
13	5	89	19	156.	1.3	3.0	2.8	16.0	21.5	6.7	7.0	-.25	.94
13	5	89	20	197.	.9	2.6	2.6	17.1	27.7	6.4	6.6	-.16	.95
13	5	89	21	176.	1.5	3.6	3.4	11.7	13.8	6.2	6.3	-.06	.95
13	5	89	22	204.	2.5	5.4	4.8	12.4	19.0	5.9	5.9	.00	.94
13	5	89	23	125.	1.3	4.4	4.0	44.7	52.2	6.0	5.9	-.03	.91
13	5	89	24	226.	.7	3.2	3.0	71.3	81.7	5.9	5.7	-.03	.91
14	5	89	1	155.	.8	3.0	2.8	76.9	97.3	5.4	5.0	.06	.91
14	5	89	2	239.	.6	2.2	2.0	63.4	91.6	5.3	4.8	.06	.90
14	5	89	3	190.	1.3	4.2	4.0	44.1	46.1	5.4	5.4	-.06	.88
14	5	89	4	207.	1.7	4.0	3.6	23.9	27.0	5.5	5.5	.00	.90
14	5	89	5	229.	1.3	3.6	3.6	21.8	22.9	5.9	5.8	-.09	.89
14	5	89	6	128.	.4	2.0	1.8	51.1	56.2	6.1	6.2	-.09	.92
14	5	89	7	197.	.6	2.2	2.0	39.9	48.0	7.9	8.9	-.12	.85
14	5	89	8	247.	1.8	3.8	3.6	19.6	21.6	10.0	10.7	-.78	.77
14	5	89	9	291.	2.4	4.8	4.4	19.3	23.9	11.9	12.6	-.96	.70
14	5	89	10	298.	5.1	11.6	10.4	15.5	16.4	12.9	13.6	-.81	.61
14	5	89	11	295.	5.8	11.8	10.2	16.0	16.8	13.6	14.2	-.65	.56
14	5	89	12	295.	5.6	11.6	11.0	15.6	15.9	14.2	14.9	-.56	.55
14	5	89	13	301.	5.7	11.4	11.0	13.3	14.3	14.6	15.1	-.40	.51
14	5	89	14	302.	6.2	13.2	12.4	12.3	13.0	15.0	15.7	-.43	.49
14	5	89	15	292.	6.2	11.6	10.8	13.0	14.7	15.1	15.8	-.53	.49
14	5	89	16	292.	5.7	11.6	10.6	14.9	15.1	15.3	16.1	-.71	.48
14	5	89	17	301.	5.8	11.8	10.4	14.7	15.3	15.0	15.6	-.65	.46
14	5	89	18	294.	5.7	12.0	10.4	14.9	15.2	14.2	14.7	-.56	.48
14	5	89	19	292.	6.2	12.0	11.0	14.7	15.0	13.2	13.5	-.40	.48
14	5	89	20	290.	4.8	10.8	10.0	13.6	13.7	11.9	11.8	-.16	.50
14	5	89	21	276.	3.3	6.4	5.8	13.7	15.3	10.8	10.5	.03	.56
14	5	89	22	264.	1.7	4.4	4.2	25.6	26.7	9.9	9.4	.06	.57
14	5	89	23	242.	1.4	4.0	3.8	24.8	30.9	8.8	8.0	.03	.62
14	5	89	24	233.	2.6	6.0	5.4	22.1	24.1	8.4	8.0	.12	.63
15	5	89	1	240.	2.5	6.4	6.0	14.3	18.3	8.3	7.9	.06	.65
15	5	89	2	225.	2.1	4.4	4.0	11.4	14.5	7.8	7.3	.09	.68
15	5	89	3	222.	2.3	4.6	4.4	14.1	14.3	7.7	7.2	.03	.70
15	5	89	4	246.	2.4	4.0	3.8	8.9	12.6	7.1	6.6	.09	.75
15	5	89	5	253.	2.4	4.8	4.2	49.7	58.9	7.5	7.5	-.09	.78
15	5	89	6	139.	1.4	4.4	4.2	44.5	64.0	8.4	8.9	-.12	.78
15	5	89	7	173.	1.0	3.0	2.8	76.8	86.4	10.8	12.0	-.34	.74
15	5	89	8	249.	1.7	5.0	4.6	51.4	80.8	12.2	13.3	-.50	.73
15	5	89	9	209.	2.1	5.6	5.2	23.1	25.7	12.6	13.1	-.56	.74
15	5	89	10	208.	3.7	8.4	7.8	17.0	18.9	13.3	14.0	-.56	.75
15	5	89	11	177.	3.3	7.0	6.6	14.7	17.5	12.3	12.8	-.34	.84
15	5	89	12	195.	3.2	6.2	6.0	14.7	17.2	12.2	12.9	-.37	.88
15	5	89	13	179.	3.6	7.4	7.2	18.1	21.4	12.8	13.4	-.37	.87
15	5	89	14	180.	3.6	6.8	6.4	16.6	17.7	12.6	13.3	-.31	.89
15	5	89	15	143.	2.8	5.8	5.6	16.4	23.1	13.0	13.6	-.31	.89
15	5	89	16	173.	2.9	6.4	6.2	18.2	21.7	12.8	13.5	-.28	.90
15	5	89	17	128.	3.6	7.2	7.0	17.4	23.8	13.9	14.6	-.28	.86
15	5	89	18	132.	3.9	9.0	8.0	15.7	22.8	13.8	14.6	-.31	.86
15	5	89	19	172.	3.9	9.2	8.8	15.4	22.7	12.8	13.3	-.22	.88
15	5	89	20	160.	4.9	9.2	8.6	12.7	12.9	11.1	11.1	-.09	.92
15	5	89	21	169.	3.3	6.6	6.2	15.1	17.7	9.9	9.7	.00	.96
15	5	89	22	138.	3.3	6.4	6.0	11.6	15.3	9.5	9.3	-.03	.94
15	5	89	23	145.	2.7	4.8	4.6	8.2	9.9	8.4	8.2	.06	.97
15	5	89	24	187.	4.3	7.4	7.0	10.3	15.6	8.5	8.1	.12	.94

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
16	5	89	1	146.	3.1	7.6	7.0	11.3	24.6	8.2	7.8	.06	.94
16	5	89	2	141.	2.6	4.4	4.2	10.8	16.6	7.5	7.2	.16	.97
16	5	89	3	184.	3.1	7.0	6.8	12.9	20.4	7.3	7.2	.03	.96
16	5	89	4	166.	2.9	5.8	5.6	13.6	16.8	7.5	7.4	-.06	.96
16	5	89	5	190.	2.2	4.0	3.8	15.1	20.1	7.4	7.4	-.12	.96
16	5	89	6	190.	3.4	7.8	7.0	14.1	14.6	7.8	8.0	-.19	.93
16	5	89	7	183.	3.6	9.8	9.4	15.5	17.2	8.4	8.7	-.22	.89
16	5	89	8	184.	3.0	7.0	6.6	16.4	16.9	9.5	10.0	-.25	.89
16	5	89	9	187.	3.8	8.4	8.0	15.1	16.4	10.6	11.3	-.40	.89
16	5	89	10	155.	4.4	8.4	8.2	16.8	19.7	12.4	13.4	-.47	.85
16	5	89	11	173.	4.9	8.6	8.4	17.7	19.7	12.9	13.9	-.47	.85
16	5	89	12	166.	5.9	10.4	9.4	14.2	14.9	13.0	14.0	-.43	.84
16	5	89	13	181.	5.5	10.4	10.0	14.2	15.1	12.3	12.8	-.31	.88
16	5	89	14	195.	5.4	10.4	9.6	14.2	14.7	12.5	12.9	-.25	.87
16	5	89	15	238.	4.3	11.6	11.0	17.9	22.7	13.1	13.3	-.16	.82
16	5	89	16	302.	4.1	9.2	9.0	17.8	31.2	13.0	13.3	-.25	.76
16	5	89	17	271.	3.8	9.2	8.6	20.2	23.9	14.9	15.8	-.81	.60
16	5	89	18	294.	5.5	10.4	9.8	15.1	17.4	14.5	15.0	-.59	.40
16	5	89	19	304.	4.5	9.6	9.4	15.0	16.9	14.0	14.3	-.50	.38
16	5	89	20	302.	3.8	8.0	7.6	12.3	13.7	12.7	12.3	-.22	.44
16	5	89	21	277.	3.5	7.4	6.2	14.7	16.5	11.3	11.0	-.06	.49
16	5	89	22	264.	3.1	7.0	6.8	19.2	20.2	10.1	9.8	.03	.52
16	5	89	23	302.	2.8	5.8	5.4	14.4	19.9	9.1	8.6	.12	.55
16	5	89	24	254.	2.9	7.2	6.8	13.9	22.3	8.8	8.2	.19	.57
17	5	89	1	239.	2.6	7.2	6.6	17.1	18.8	7.4	7.0	.16	.63
17	5	89	2	243.	2.3	5.6	5.2	19.4	20.6	6.9	6.5	.12	.66
17	5	89	3	266.	2.0	5.6	5.0	27.8	30.7	5.9	5.4	.06	.72
17	5	89	4	245.	2.0	5.8	5.4	24.1	24.4	6.0	5.6	.00	.72
17	5	89	5	195.	2.4	5.8	5.2	10.9	17.8	5.9	5.9	-.12	.73
17	5	89	6	221.	1.9	4.4	4.0	20.6	21.6	7.5	8.2	-.56	.70
17	5	89	7	208.	2.9	5.8	5.6	14.9	16.3	8.9	10.1	-.68	.68
17	5	89	8	208.	3.1	5.8	5.4	19.1	19.5	10.4	11.6	-.75	.65
17	5	89	9	224.	3.7	7.2	7.2	17.8	19.1	11.8	13.0	-.93	.64
17	5	89	10	239.	4.0	10.0	9.4	23.9	24.7	13.8	14.4	-.99	.57
17	5	89	11	222.	4.4	11.8	10.4	25.0	26.8	15.0	15.8	-1.02	.55
17	5	89	12	240.	4.4	10.8	10.0	24.0	30.6	14.6	15.2	-.62	.61
17	5	89	13	242.	5.5	13.0	11.8	21.4	22.0	15.9	16.5	-.75	.52
17	5	89	14	254.	4.6	11.2	10.8	20.9	21.5	15.7	16.1	-.59	.53
17	5	89	15	252.	6.0	13.2	12.2	19.5	20.5	15.4	15.6	-.34	.52
17	5	89	16	266.	6.9	13.8	13.2	19.5	20.5	15.3	15.6	-.43	.53
17	5	89	17	256.	5.8	12.6	12.0	18.4	18.7	15.0	15.3	-.53	.53
17	5	89	18	245.	4.3	10.8	10.2	22.2	22.7	14.2	14.3	-.25	.53
17	5	89	19	252.	4.9	11.4	11.2	18.5	19.4	14.0	14.1	-.28	.55
17	5	89	20	263.	4.1	9.2	8.2	19.0	20.3	13.3	13.2	-.16	.58
17	5	89	21	235.	3.6	8.4	8.2	20.3	21.6	12.3	12.0	-.06	.61
17	5	89	22	256.	3.4	7.4	7.0	18.7	22.0	11.3	11.0	.03	.65
17	5	89	23	280.	1.8	5.0	4.8	41.4	54.0	10.4	9.2	.09	.74
17	5	89	24	304.	2.4	5.4	5.2	16.5	25.7	9.6	9.0	.16	.76
18	5	89	1	276.	3.4	6.4	6.2	10.1	13.8	8.8	8.4	.25	.76
18	5	89	2	342.	1.7	5.6	5.2	31.6	45.7	8.1	7.1	.19	.80
18	5	89	3	277.	1.2	3.0	2.8	38.3	51.4	7.5	6.6	.19	.82
18	5	89	4	269.	2.0	3.0	2.8	6.6	13.1	7.4	6.5	.34	.82
18	5	89	5	326.	1.6	2.6	2.4	5.6	11.1	7.1	6.5	.31	.84
18	5	89	6	314.	1.7	3.6	3.2	17.7	22.4	8.7	9.2	-.06	.78
18	5	89	7	302.	1.1	2.6	2.4	12.5	21.6	9.6	10.3	-.37	.74
18	5	89	8	343.	.7	2.0	1.8	22.1	25.3	11.8	13.0	-.43	.68
18	5	89	9	120.	1.4	4.6	4.2	60.0	103.9	13.4	14.6	-.56	.68
18	5	89	10	128.	3.5	5.4	5.0	12.4	14.1	12.6	13.6	-.62	.74
18	5	89	11	138.	3.7	6.8	6.2	25.4	28.5	13.0	13.8	-.50	.75
18	5	89	12	167.	4.6	7.8	7.6	18.9	19.8	14.9	15.8	-.50	.72
18	5	89	13	177.	4.4	9.6	8.8	18.0	18.7	15.3	16.4	-.43	.72
18	5	89	14	179.	6.3	11.0	10.4	14.8	15.2	15.1	16.1	-.56	.73
18	5	89	15	180.	5.6	11.0	10.4	16.0	16.6	15.3	16.4	-.50	.74
18	5	89	16	181.	5.1	10.0	9.4	16.3	16.8	14.9	15.6	-.40	.72
18	5	89	17	188.	5.7	12.6	12.4	14.7	15.0	13.8	14.1	-.25	.72
18	5	89	18	190.	4.9	12.8	11.6	15.9	16.2	13.2	13.4	-.16	.66
18	5	89	19	176.	4.5	9.8	9.0	15.1	15.5	12.6	12.6	-.12	.49
18	5	89	20	159.	3.0	6.4	5.8	16.2	17.7	11.5	11.4	-.09	.52
18	5	89	21	129.	2.8	5.8	5.6	16.2	20.0	10.0	9.9	.00	.68
18	5	89	22	122.	2.4	4.0	3.8	12.3	13.3	8.8	8.6	.50	.89
18	5	89	23	156.	2.7	5.4	5.2	11.6	18.4	9.1	9.0	.25	.85
18	5	89	24	128.	2.7	4.4	4.2	8.6	12.5	8.8	8.8	-.06	.92

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
19	5	89	1	148.	2.0	3.8	3.6	11.4	14.8	8.4	8.4	-.03	.96
19	5	89	2	198.	1.4	2.8	2.6	12.9	20.9	7.9	7.6	.06	.93
19	5	89	3	122.	1.1	2.0	1.8	26.4	42.2	7.7	7.2	.25	.96
19	5	89	4	17.	.2	1.4	1.2	51.8	86.3	8.0	7.1	.19	.95
19	5	89	5	222.	.2	1.0	.8	45.4	65.7	8.2	7.4	.16	.95
19	5	89	6	60.	.3	1.2	1.0	38.1	83.4	9.3	9.6	-.43	.86
19	5	89	7	301.	1.1	2.8	2.6	18.2	21.6	9.8	10.5	-.31	.82
19	5	89	8	304.	1.5	3.0	2.8	12.2	15.4	11.3	12.3	-.34	.78
19	5	89	9	314.	1.7	4.0	3.8	15.0	17.2	13.8	14.8	-.87	.75
19	5	89	10	291.	2.5	4.4	4.0	15.0	17.3	15.7	16.7	-.99	.65
19	5	89	11	307.	3.0	6.4	6.0	12.3	14.9	17.1	18.2	-.96	.50
19	5	89	12	307.	2.1	4.4	4.2	21.2	23.0	18.5	19.8	-.99	.44
19	5	89	13	122.	2.1	4.4	4.0	56.9	86.2	18.7	20.2	-.78	.46
19	5	89	14	183.	2.5	6.0	5.4	30.4	40.0	18.4	19.6	-.62	.58
19	5	89	15	142.	2.9	6.4	6.2	29.6	48.2	18.6	19.9	-.75	.55
19	5	89	16	323.	2.8	8.0	7.6	55.8	81.3	19.3	20.5	-.65	.44
19	5	89	17	328.	5.0	9.8	9.4	14.6	15.2	18.6	19.5	-.37	.32
19	5	89	18	325.	5.4	10.0	9.2	12.3	12.8	17.8	18.4	-.31	.29
19	5	89	19	337.	5.3	10.4	10.0	12.1	13.8	16.5	16.9	-.28	.33
19	5	89	20	333.	4.1	8.4	8.0	12.1	13.4	14.7	14.4	-.16	.37
19	5	89	21	326.	4.8	9.4	9.0	10.8	11.2	13.1	12.6	-.06	.39
19	5	89	22	319.	4.0	8.8	8.2	10.1	11.2	11.7	11.2	-.03	.43
19	5	89	23	318.	3.6	5.8	5.6	6.9	8.6	10.6	9.9	.09	.47
19	5	89	24	314.	3.5	5.2	4.8	6.6	7.2	9.6	8.9	.06	.52
20	5	89	1	298.	3.3	5.2	4.8	6.9	8.7	8.9	8.3	.12	.57
20	5	89	2	311.	3.7	5.2	4.8	4.9	7.8	8.3	7.8	.19	.61
20	5	89	3	308.	3.5	4.6	4.4	4.2	5.6	7.8	7.2	.19	.64
20	5	89	4	311.	3.2	4.8	4.6	4.2	7.6	7.3	6.8	.19	.68
20	5	89	5	311.	3.6	4.8	4.6	3.1	4.7	7.1	6.7	.16	.70
20	5	89	6	307.	3.1	4.2	4.0	3.7	9.3	7.6	7.8	.00	.69
20	5	89	7	312.	2.3	3.6	3.4	6.4	8.9	8.9	9.8	-.43	.66
20	5	89	8	301.	2.8	4.4	4.0	10.2	13.4	10.8	11.8	-.53	.63
20	5	89	9	4.	2.8	6.0	5.4	27.7	41.2	13.2	14.3	-.75	.58
20	5	89	10	22.	2.8	6.2	5.8	25.1	27.3	15.0	16.7	-.53	.50
20	5	89	11	13.	2.8	6.4	6.2	31.0	34.9	16.2	17.6	-.81	.46
20	5	89	12	335.	1.7	5.0	4.6	60.5	81.9	17.2	18.5	-.68	.44
20	5	89	13	263.	2.3	4.8	4.6	24.4	30.2	17.7	18.7	-1.02	.44
20	5	89	14	204.	2.4	4.8	4.2	25.0	33.0	18.3	19.2	-.99	.44
20	5	89	15	138.	2.4	5.4	5.0	47.6	57.4	18.7	20.0	-.84	.44
20	5	89	16	162.	3.6	5.8	5.6	14.7	21.4	17.6	18.5	-.40	.44
20	5	89	17	155.	4.0	6.4	6.0	11.8	13.7	16.6	17.2	-.25	.43
20	5	89	18	159.	3.0	5.0	4.8	11.3	11.9	16.5	17.0	-.16	.45
20	5	89	19	170.	2.0	3.4	3.2	8.0	9.6	15.7	15.6	-.03	.50
20	5	89	20	218.	1.4	2.2	2.0	5.3	15.5	15.7	14.4	-.12	.53
20	5	89	21	312.	1.3	3.2	3.0	12.4	38.4	15.3	12.9	-.09	.55
20	5	89	22	335.	2.9	4.4	4.2	3.7	8.9	14.2	12.6	.40	.58
20	5	89	23	346.	3.7	5.4	5.2	5.4	6.1	13.1	11.8	.34	.64
20	5	89	24	344.	3.6	6.2	5.8	6.0	7.6	12.2	11.0	.40	.67
21	5	89	1	330.	4.2	6.2	6.0	5.3	6.3	10.4	9.4	.71	.73
21	5	89	2	330.	3.5	4.8	4.6	4.0	4.4	9.3	8.0	.87	.79
21	5	89	3	333.	3.8	5.4	5.2	4.2	5.6	8.2	7.1	.90	.84
21	5	89	4	333.	3.3	5.4	5.0	6.1	9.8	7.5	6.6	.62	.86
21	5	89	5	333.	2.4	4.2	4.2	7.7	9.1	7.9	7.5	.43	.83
21	5	89	6	347.	2.9	5.8	5.6	8.9	11.4	9.0	9.7	.16	.76
21	5	89	7	339.	2.1	4.8	4.6	13.3	16.7	11.0	12.4	-.03	.69
21	5	89	8	315.	2.1	3.8	3.4	12.1	13.4	12.6	13.7	-.40	.68
21	5	89	9	281.	1.3	2.6	2.4	16.3	17.5	15.9	16.7	-.75	.62
21	5	89	10	235.	1.0	2.8	2.6	40.3	42.3	18.5	19.1	-1.15	.58
21	5	89	11	114.	1.5	3.8	3.4	58.5	93.1	19.9	20.8	-1.21	.51
21	5	89	12	115.	2.7	5.4	5.0	20.9	23.4	19.5	20.7	-.71	.48
21	5	89	13	132.	4.0	6.8	6.2	12.2	13.3	18.1	19.2	-.59	.61
21	5	89	14	115.	3.8	6.4	6.2	12.3	13.7	18.0	19.1	-.56	.62
21	5	89	15	117.	3.5	6.6	6.2	13.0	13.1	18.1	19.2	-.53	.62
21	5	89	16	127.	3.6	6.8	6.4	13.0	13.3	18.7	19.6	-.50	.60
21	5	89	17	125.	3.8	6.6	6.2	10.8	11.0	18.4	19.2	-.47	.59
21	5	89	18	115.	3.2	6.2	5.8	11.1	11.9	18.1	18.6	-.40	.59
21	5	89	19	129.	2.2	4.6	4.4	13.1	14.1	17.1	17.4	-.19	.65
21	5	89	20	117.	2.1	3.0	2.8	11.2	16.4	16.5	15.9	.12	.65
21	5	89	21	103.	1.9	3.0	2.8	4.4	11.5	15.0	13.6	.68	.67
21	5	89	22	4.	.8	1.8	1.6	8.8	33.2	14.5	12.4	.96	.69
21	5	89	23	353.	1.7	3.4	3.2	5.1	16.0	14.0	12.0	.90	.70
21	5	89	24	346.	2.1	4.4	4.2	6.3	7.4	13.1	11.5	.78	.71

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
22	5	89	1	13.	1.1	3.4	3.2	15.4	25.9	11.7	9.7	.71	.77
22	5	89	2	351.	1.1	3.4	3.0	57.4	75.5	11.1	8.7	.65	.81
22	5	89	3	339.	2.1	4.2	4.0	6.6	9.2	9.3	7.9	.81	.86
22	5	89	4	339.	1.2	3.2	3.2	11.9	18.6	8.6	6.8	1.18	.89
22	5	89	5	333.	1.8	3.4	3.2	7.0	11.1	8.3	7.5	.96	.89
22	5	89	6	353.	1.6	3.2	3.2	8.1	11.8	9.5	10.0	.25	.82
22	5	89	7	6.	.6	2.4	2.2	27.8	32.4	12.5	13.7	.28	.73
22	5	89	8	191.	.3	1.4	1.4	54.9	93.6	16.1	17.6	.06	.64
22	5	89	9	108.	1.1	3.6	3.4	41.0	50.9	18.0	19.1	-.65	.62
22	5	89	10	121.	3.1	5.6	5.4	12.0	12.7	17.4	18.5	-.71	.61
22	5	89	11	134.	3.7	6.2	5.6	11.8	13.2	17.6	18.6	-.53	.68
22	5	89	12	153.	4.1	7.8	7.4	14.3	16.8	18.6	19.8	-.56	.65
22	5	89	13	132.	4.1	7.4	6.8	14.2	15.5	18.3	19.4	-.53	.70
22	5	89	14	128.	4.5	7.6	6.6	11.4	11.8	17.5	18.3	-.50	.68
22	5	89	15	174.	4.0	8.6	8.0	22.5	29.1	18.3	19.3	-.40	.62
22	5	89	16	177.	5.3	9.4	9.0	14.7	16.0	19.4	20.6	-.50	.36
22	5	89	17	193.	4.6	8.2	8.0	14.7	15.6	19.6	20.8	-.62	.37
22	5	89	18	195.	4.4	8.4	7.8	14.5	15.1	19.3	20.5	-.62	.36
22	5	89	19	198.	4.3	7.8	7.2	13.2	13.9	18.4	19.1	-.43	.35
22	5	89	20	181.	3.2	6.4	6.2	13.0	13.8	17.3	17.0	-.22	.37
22	5	89	21	138.	1.9	3.4	3.2	8.9	13.8	14.9	13.7	.43	.51
22	5	89	22	218.	1.3	3.4	3.2	16.4	33.8	13.4	11.6	.99	.70
22	5	89	23	224.	1.1	3.2	2.8	15.0	24.7	13.6	11.4	.31	.61
22	5	89	24	264.	.5	2.0	1.8	19.5	24.0	12.7	10.7	.47	.61
23	5	89	1	239.	.6	1.6	1.6	9.9	19.3	11.6	9.9	1.02	.65
23	5	89	2	254.	1.2	2.0	1.8	6.0	13.1	10.6	8.5	1.15	.74
23	5	89	3	233.	.6	1.8	1.8	12.9	18.7	9.0	6.9	1.40	.84
23	5	89	4	305.	1.3	3.2	3.0	8.9	27.7	8.8	6.1	1.52	.87
23	5	89	5	336.	2.0	3.0	2.8	8.0	14.1	7.7	6.9	1.40	.87
23	5	89	6	342.	1.2	2.8	2.6	10.3	11.4	9.7	10.5	.43	.76
23	5	89	7	224.	.2	1.2	1.0	53.7	94.2	12.8	14.7	.62	.65
23	5	89	8	127.	.5	2.0	1.8	66.5	87.2	15.6	16.9	.31	.64
23	5	89	9	127.	2.4	5.6	5.2	11.4	13.3	15.3	16.4	-.59	.68
23	5	89	10	134.	3.7	7.0	6.6	18.4	23.7	16.6	17.7	-.59	.64
23	5	89	11	166.	3.8	7.4	7.0	17.3	19.7	17.4	18.6	-.59	.59
23	5	89	12	173.	4.9	8.4	8.0	15.6	16.8	17.4	18.6	-.62	.54
23	5	89	13	170.	4.9	9.4	8.4	16.5	18.1	17.8	19.2	-.65	.48
23	5	89	14	170.	4.1	8.0	7.8	21.4	23.2	18.4	19.8	-.62	.43
23	5	89	15	174.	4.0	8.2	7.8	18.3	19.7	17.7	19.1	-.47	.55
23	5	89	16	172.	3.5	7.2	6.6	19.9	20.4	17.5	18.8	-.43	.64
23	5	89	17	124.	3.5	6.8	6.4	20.0	30.6	16.9	18.0	-.50	.67
23	5	89	18	128.	3.3	6.2	5.6	13.0	15.3	16.2	16.8	-.40	.75
23	5	89	19	142.	3.1	5.2	4.8	11.4	13.0	15.2	15.7	-.34	.80
23	5	89	20	122.	2.3	4.4	3.8	12.4	15.5	14.0	13.8	-.25	.89
23	5	89	21	142.	2.4	3.8	3.6	7.3	9.2	12.8	12.1	.09	.97
23	5	89	22	156.	2.6	3.8	3.6	3.7	5.6	12.2	11.3	.34	.97
23	5	89	23	132.	1.9	2.6	2.6	5.6	12.8	11.2	9.5	.56	.97
23	5	89	24	264.	.8	2.2	2.0	36.5	69.2	10.5	9.0	.53	.97
24	5	89	1	337.	1.1	2.4	2.0	14.6	35.2	10.0	8.5	.68	.97
24	5	89	2	339.	1.4	2.6	2.4	6.1	14.8	9.1	7.5	1.09	.95
24	5	89	3	342.	2.5	4.4	4.0	5.4	6.7	7.8	7.0	.50	.92
24	5	89	4	333.	2.8	4.6	4.2	6.3	8.9	7.4	6.5	.62	.88
24	5	89	5	339.	2.5	4.2	3.8	8.3	9.9	7.1	7.1	.50	.89
24	5	89	6	359.	.9	2.6	2.6	17.6	20.4	8.9	9.6	.65	.83
24	5	89	7	70.	.3	1.8	1.6	48.8	59.5	12.5	13.5	.16	.76
24	5	89	8	179.	.7	2.4	2.2	35.2	44.1	15.6	16.7	-.09	.77
24	5	89	9	134.	2.2	4.8	4.6	21.7	32.9	16.5	17.6	-.56	.72
24	5	89	10	122.	3.4	6.2	5.8	17.0	18.9	16.7	17.8	-.62	.73
24	5	89	11	135.	4.6	7.6	7.0	11.0	12.7	16.1	17.2	-.68	.79
24	5	89	12	128.	4.8	8.0	7.8	10.6	11.6	16.2	17.3	-.59	.73
24	5	89	13	134.	4.5	7.8	7.0	12.7	13.2	16.9	18.0	-.53	.67
24	5	89	14	134.	4.3	6.8	6.4	12.6	12.7	17.3	18.4	-.59	.71
24	5	89	15	148.	4.4	7.4	7.0	14.1	17.3	17.0	18.2	-.47	.76
24	5	89	16	149.	4.2	7.6	6.8	12.6	12.9	17.2	18.5	-.37	.77
24	5	89	17	145.	3.7	6.8	6.4	14.6	14.8	17.3	18.4	-.31	.82
24	5	89	18	128.	3.5	6.0	5.6	11.9	12.8	17.0	17.6	-.37	.86
24	5	89	19	148.	2.5	5.2	4.6	16.5	17.4	16.4	17.1	-.19	.89
24	5	89	20	120.	3.1	5.0	4.6	9.2	11.8	15.1	15.0	-.22	.97
24	5	89	21	132.	3.3	5.0	4.4	7.4	8.0	13.9	13.5	.12	.97
24	5	89	22	131.	3.4	4.6	4.4	6.4	7.7	13.8	13.3	.47	.97
24	5	89	23	112.	3.0	4.0	3.8	3.7	6.6	13.5	12.5	.59	.97
24	5	89	24	104.	2.0	3.0	2.8	2.4	6.9	13.2	11.3	.65	.97

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
25	5	89	1	141.	1.6	3.0	2.8	6.0	13.2	12.5	11.0	.53	.97
25	5	89	2	134.	1.2	2.4	2.2	15.8	16.5	12.1	10.8	.40	.97
25	5	89	3	129.	.6	1.4	1.2	6.6	9.6	11.6	10.0	.68	.97
25	5	89	4	121.	.8	1.8	1.6	4.4	15.1	11.5	9.9	.68	.97
25	5	89	5	117.	1.1	2.4	2.2	5.1	8.9	12.1	10.4	.47	.97
25	5	89	6	127.	2.1	3.6	3.6	8.4	8.9	12.9	13.2	-.12	.97
25	5	89	7	110.	2.5	4.0	3.6	11.1	12.6	13.7	14.5	-.25	.97
25	5	89	8	125.	3.2	5.8	5.4	10.1	10.9	14.9	15.8	-.34	.94
25	5	89	9	129.	4.3	7.0	6.6	10.4	10.7	15.6	16.5	-.47	.89
25	5	89	10	110.	3.9	7.0	6.2	11.1	11.9	16.1	17.1	-.65	.85
25	5	89	11	129.	3.9	6.6	6.4	12.3	13.7	16.3	17.4	-.62	.85
25	5	89	12	131.	3.9	8.8	8.0	13.8	14.3	17.0	18.1	-.59	.86
25	5	89	13	129.	6.0	9.0	8.4	9.0	9.2	16.4	17.3	-.59	.88
25	5	89	14	134.	5.1	8.6	8.0	13.8	14.1	16.7	17.7	-.56	.89
25	5	89	15	131.	5.0	9.2	8.6	15.7	16.0	17.4	18.5	-.50	.85
25	5	89	16	136.	3.8	8.2	7.6	15.8	16.0	17.9	18.9	-.40	.87
25	5	89	17	124.	3.8	6.8	6.4	15.5	16.1	17.4	18.1	-.37	.91
25	5	89	18	118.	4.1	6.8	6.6	10.6	11.1	15.6	16.0	-.22	.97
25	5	89	19	94.	4.2	7.8	6.4	35.1	45.5	14.9	15.1	-.22	.97
25	5	89	20	121.	3.6	5.6	5.4	8.2	11.6	14.3	14.4	-.16	.97
25	5	89	21	96.	3.1	4.8	4.6	8.1	12.9	13.7	13.6	-.12	.97
25	5	89	22	59.	2.1	3.8	3.6	23.4	26.4	13.4	13.1	.06	.97
25	5	89	23	305.	2.2	4.6	4.4	18.7	38.9	13.0	12.6	.25	.97
25	5	89	24	316.	3.6	5.4	4.8	5.1	5.6	12.6	12.3	.40	.95
26	5	89	1	308.	4.0	5.6	5.2	5.3	6.4	12.2	11.6	.28	.73
26	5	89	2	316.	4.2	5.6	5.4	5.6	6.4	11.2	10.8	.16	.68
26	5	89	3	323.	3.3	5.6	5.2	7.4	9.5	11.0	10.4	.19	.66
26	5	89	4	308.	3.5	5.8	5.4	7.0	8.4	10.3	9.9	.19	.66
26	5	89	5	314.	3.6	5.8	5.6	7.6	8.6	10.2	10.1	.03	.66
26	5	89	6	319.	3.8	6.0	5.4	7.7	8.2	10.4	10.7	-.16	.67
26	5	89	7	309.	2.6	5.2	5.0	14.1	14.7	11.6	12.4	-.25	.65
26	5	89	8	14.	2.5	6.0	5.4	28.3	34.9	13.2	14.4	-.37	.64
26	5	89	9	304.	2.7	5.0	4.8	20.4	31.0	14.0	15.2	-.71	.63
26	5	89	10	284.	2.4	4.2	4.0	12.6	13.3	15.2	16.0	-.99	.62
26	5	89	11	309.	2.2	3.8	3.6	16.0	18.2	16.4	17.4	-1.15	.61
26	5	89	12	290.	2.1	4.8	4.6	21.9	23.8	17.7	19.1	-1.12	.56
26	5	89	13	138.	2.5	5.8	5.6	49.2	90.7	17.6	18.9	-.62	.55
26	5	89	14	172.	3.6	6.4	5.8	15.5	22.2	15.6	16.5	-.40	.70
26	5	89	15	146.	3.9	7.2	7.0	15.0	16.9	15.3	16.6	-.40	.74
26	5	89	16	120.	4.0	7.2	6.6	18.2	23.9	15.2	16.1	-.40	.78
26	5	89	17	115.	4.9	8.0	7.4	11.3	11.7	14.6	15.3	-.50	.83
26	5	89	18	155.	4.2	7.2	6.8	10.9	16.2	13.0	13.4	-.19	.93
26	5	89	19	180.	1.5	4.2	3.8	27.0	39.1	14.4	15.2	-.25	.92
26	5	89	20	333.	1.4	7.0	6.6	50.0	97.9	14.4	14.2	-.16	.82
26	5	89	21	308.	4.5	8.0	7.8	10.6	13.0	12.9	12.4	.00	.51
26	5	89	22	321.	4.9	9.0	8.6	10.1	10.5	11.6	11.4	-.03	.51
26	5	89	23	315.	4.8	8.6	8.2	10.3	10.7	11.0	10.8	-.06	.53
26	5	89	24	314.	4.4	8.8	7.8	11.2	11.7	10.3	10.1	-.06	.56
27	5	89	1	325.	4.4	9.0	8.4	11.2	11.8	9.6	9.4	-.03	.60
27	5	89	2	325.	4.6	8.0	7.6	10.5	10.8	9.2	8.9	-.03	.62
27	5	89	3	323.	3.9	7.0	6.8	9.9	10.1	8.5	8.1	.03	.64
27	5	89	4	322.	4.2	8.0	7.2	9.4	9.8	8.2	7.8	.03	.66
27	5	89	5	322.	4.4	7.4	7.0	8.4	9.8	8.4	8.5	-.06	.65
27	5	89	6	316.	3.9	7.8	7.2	11.8	12.5	9.3	9.8	-.19	.61
27	5	89	7	329.	4.1	7.6	7.0	13.3	16.2	10.2	11.0	-.25	.58
27	5	89	8	319.	4.6	8.4	8.0	11.2	12.0	11.4	12.4	-.31	.55
27	5	89	9	336.	3.7	7.2	6.8	17.0	18.4	13.0	14.2	-.50	.53
27	5	89	10	315.	3.7	6.8	6.4	14.8	18.9	14.1	15.3	-.75	.49
27	5	89	11	283.	2.6	6.2	5.8	27.9	30.7	15.0	16.3	-.90	.46
27	5	89	12	274.	1.9	5.0	4.8	74.7	93.7	16.1	17.3	-1.02	.43
27	5	89	13	297.	1.9	4.2	4.0	51.5	66.1	16.8	18.2	-.93	.37
27	5	89	14	112.	2.6	7.4	7.2	63.3	103.0	17.0	18.2	-.93	.39
27	5	89	15	152.	4.6	8.6	7.8	17.0	20.3	15.4	16.6	-.50	.54
27	5	89	16	177.	5.2	9.0	8.6	17.1	19.9	15.4	16.6	-.50	.50
27	5	89	17	160.	4.7	8.8	8.6	17.7	21.9	15.5	16.6	-.40	.48
27	5	89	18	191.	4.1	8.0	7.4	16.0	17.0	15.7	16.7	-.37	.46
27	5	89	19	188.	4.9	8.6	7.8	11.8	12.3	15.1	15.9	-.47	.45
27	5	89	20	194.	3.9	7.6	7.2	12.7	13.1	14.3	14.4	-.25	.49
27	5	89	21	170.	3.1	5.6	5.4	11.5	13.8	12.8	12.2	.03	.53
27	5	89	22	157.	2.6	4.6	4.2	12.0	12.9	11.6	11.1	.12	.61
27	5	89	23	180.	1.0	3.0	2.6	24.1	37.0	10.6	9.3	.22	.90
27	5	89	24	270.	.3	1.8	1.6	40.3	101.4	10.4	8.3	.06	.97

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
28	5	89	1	183.	.0	.6	.4	34.3	76.5	9.7	8.0	.22	.97
28	5	89	2	328.	1.2	2.8	2.6	25.6	45.1	7.9	6.8	1.06	.88
28	5	89	3	333.	2.0	3.0	3.0	7.0	8.6	7.0	5.9	.31	.84
28	5	89	4	326.	2.3	3.2	3.0	5.6	7.3	6.6	5.8	.19	.80
28	5	89	5	321.	1.1	2.4	2.2	7.2	7.8	7.1	7.3	.12	.81
28	5	89	6	143.	.2	1.2	1.0	30.2	118.8	10.2	11.2	.06	.80
28	5	89	7	124.	.8	2.2	2.0	21.4	25.1	11.0	12.0	-.03	.80
28	5	89	8	201.	1.6	3.8	3.6	43.2	54.9	12.8	14.1	-.37	.73
28	5	89	9	167.	2.5	5.6	5.0	23.1	29.0	14.3	15.4	-.62	.60
28	5	89	10	141.	1.5	4.0	3.8	33.0	36.4	14.5	15.4	-.43	.67
28	5	89	11	86.	2.4	5.0	4.6	39.0	40.8	14.8	15.7	-.56	.70
28	5	89	12	179.	2.0	5.4	5.0	54.6	71.4	17.1	18.2	-.75	.59
28	5	89	13	191.	2.9	7.0	6.2	35.0	37.5	16.9	17.6	-.65	.60
28	5	89	14	211.	3.3	8.6	8.0	19.0	20.3	16.2	16.9	-.53	.72
28	5	89	15	219.	4.7	10.0	9.4	16.4	17.2	15.4	15.6	-.31	.70
28	5	89	16	226.	5.7	11.8	11.0	16.9	17.0	14.6	14.8	-.34	.74
28	5	89	17	221.	5.2	10.8	10.4	16.7	17.2	13.9	14.1	-.28	.76
28	5	89	18	214.	4.8	10.6	9.6	15.5	16.1	13.4	13.6	-.25	.77
28	5	89	19	221.	5.3	10.6	10.2	15.0	15.5	12.6	12.7	-.22	.81
28	5	89	20	212.	4.9	10.4	10.2	13.4	14.3	12.3	12.4	-.19	.85
28	5	89	21	214.	3.4	7.4	7.0	18.5	18.7	12.0	11.8	-.16	.89
28	5	89	22	233.	2.9	6.0	5.6	17.6	18.5	11.3	11.0	.00	.90
28	5	89	23	297.	2.2	5.6	5.2	28.6	33.5	10.7	10.2	.06	.83
28	5	89	24	307.	3.9	8.8	8.4	12.9	13.7	10.0	9.7	.06	.72
29	5	89	1	290.	3.0	7.2	6.8	17.9	18.5	8.9	8.5	.03	.74
29	5	89	2	294.	3.2	8.0	7.0	20.2	20.9	8.2	7.9	.00	.72
29	5	89	3	295.	2.5	7.6	7.2	27.6	28.7	7.5	7.1	.00	.70
29	5	89	4	288.	3.0	6.0	5.6	15.1	16.0	6.9	6.5	.06	.70
29	5	89	5	288.	2.3	5.8	5.2	27.5	27.7	7.5	7.7	-.37	.69
29	5	89	6	283.	2.8	8.4	7.6	22.2	22.4	8.1	8.5	-.37	.67
29	5	89	7	278.	3.8	8.0	7.0	17.0	17.4	7.8	7.9	-.25	.65
29	5	89	8	284.	4.5	10.2	9.0	13.8	14.5	8.0	8.1	-.22	.62
29	5	89	9	280.	4.2	8.2	7.6	14.9	16.1	8.4	8.6	-.28	.60
29	5	89	10	292.	2.9	7.6	7.2	16.9	18.6	9.1	9.4	-.47	.61
29	5	89	11	274.	2.8	5.0	4.6	16.0	21.1	9.5	9.8	-.43	.61
29	5	89	12	295.	3.8	9.0	8.4	18.6	18.8	10.8	11.5	-.62	.57
29	5	89	13	233.	3.5	7.8	7.4	20.6	27.1	12.1	12.8	-.78	.53
29	5	89	14	283.	2.6	6.2	5.8	31.2	40.0	13.7	14.5	-.90	.50
29	5	89	15	301.	4.0	8.6	8.2	20.3	23.7	14.0	14.9	-.81	.46
29	5	89	16	305.	5.4	11.2	10.6	13.6	14.5	12.7	13.2	-.43	.46
29	5	89	17	305.	6.8	11.4	10.8	10.4	10.7	11.9	12.4	-.40	.47
29	5	89	18	287.	4.2	9.8	8.8	17.3	17.9	12.2	12.8	-.65	.46
29	5	89	19	290.	4.3	10.0	9.0	18.6	18.7	11.6	11.7	-.34	.46
29	5	89	20	299.	3.7	7.6	7.2	15.5	16.3	11.0	10.9	-.22	.49
29	5	89	21	319.	3.0	6.8	6.4	20.5	23.1	10.0	9.6	-.09	.54
29	5	89	22	294.	3.0	7.0	6.6	21.4	25.1	9.1	8.7	.03	.57
29	5	89	23	337.	2.2	6.8	6.6	26.8	30.4	8.3	8.0	.00	.60
29	5	89	24	295.	1.8	4.0	3.8	33.0	55.3	7.7	7.1	.09	.65
30	5	89	1	298.	3.0	6.2	6.0	8.3	9.5	7.4	7.1	.03	.64
30	5	89	2	307.	2.8	4.8	4.6	7.4	8.8	6.9	6.6	.06	.66
30	5	89	3	321.	3.2	5.2	4.8	6.3	8.1	6.2	5.9	.06	.72
30	5	89	4	301.	3.0	5.0	4.6	9.4	13.6	5.8	5.3	.03	.72
30	5	89	5	318.	2.9	4.4	4.2	6.6	8.2	5.6	5.9	-.19	.74
30	5	89	6	308.	2.3	3.6	3.4	8.2	9.0	6.2	7.1	-.22	.71
30	5	89	7	301.	2.3	3.4	3.4	9.3	10.2	7.4	8.6	-.28	.68
30	5	89	8	292.	2.3	3.8	3.6	11.2	11.9	8.9	10.1	-.65	.64
30	5	89	9	290.	2.2	3.8	3.6	11.0	12.0	10.4	11.4	-1.02	.60
30	5	89	10	271.	2.2	4.0	3.8	16.8	22.0	11.8	12.7	-1.18	.55
30	5	89	11	131.	2.8	7.8	7.2	35.7	57.4	11.9	12.8	-.90	.54
30	5	89	12	129.	4.5	8.8	8.4	15.7	17.0	11.6	12.7	-.68	.59
30	5	89	13	129.	3.7	7.4	7.0	17.1	17.6	11.9	13.3	-.65	.59
30	5	89	14	139.	3.4	6.2	5.8	18.2	18.7	12.5	13.9	-.65	.57
30	5	89	15	166.	3.3	6.4	6.0	22.2	24.3	12.7	14.2	-.56	.57
30	5	89	16	124.	3.7	7.6	6.8	19.2	21.6	12.6	13.9	-.53	.55
30	5	89	17	141.	3.2	5.8	5.4	18.2	19.7	12.6	13.7	-.50	.52
30	5	89	18	125.	2.3	5.4	4.6	23.4	27.7	12.8	14.0	-.37	.52
30	5	89	19	146.	2.6	5.0	4.6	10.8	14.3	10.9	11.2	-.25	.62
30	5	89	20	180.	2.1	4.8	4.6	12.4	15.9	10.4	10.5	-.19	.64
30	5	89	21	131.	1.3	2.4	2.2	13.8	18.9	9.5	9.2	-.09	.72
30	5	89	22	14.	2.1	5.6	5.2	27.8	29.6	8.7	7.0	.34	.81
30	5	89	23	0.	3.1	7.6	6.8	11.1	11.8	8.4	7.6	.00	.72
30	5	89	24	346.	3.2	7.4	6.6	12.3	12.7	7.5	6.9	.00	.72

				DD-25	FF-25	GUST1	GUST3	SIGK	SIGKL	T-25	T-2	DT	RH-2
31	5	89	1	354.	4.0	8.2	7.4	10.8	11.2	7.1	6.6	-.03	.72
31	5	89	2	1.	4.7	9.4	8.8	11.8	13.2	7.0	6.6	-.03	.72
31	5	89	3	350.	4.0	9.4	8.4	12.7	13.8	7.0	6.8	-.06	.71
31	5	89	4	326.	3.9	6.6	6.4	10.3	11.4	6.5	6.1	-.06	.75
31	5	89	5	323.	4.8	8.2	7.6	9.5	10.0	6.6	6.7	-.09	.74
31	5	89	6	339.	4.8	9.8	9.4	12.3	13.2	7.3	8.0	-.12	.72
31	5	89	7	337.	4.8	9.4	9.0	13.0	14.1	7.9	9.1	-.12	.72
31	5	89	8	340.	5.2	10.2	9.2	12.9	13.4	8.3	9.2	-.22	.71
31	5	89	9	342.	5.4	10.8	10.4	15.1	18.2	9.4	10.4	-.31	.69
31	5	89	10	1.	5.1	10.6	9.8	13.7	17.4	10.1	11.3	-.31	.66
31	5	89	11	354.	4.7	10.6	10.0	17.6	20.6	11.1	12.4	-.40	.64
31	5	89	12	7.	4.7	10.0	9.4	18.8	20.0	11.2	12.6	-.40	.63
31	5	89	13	357.	5.0	10.6	9.4	20.2	21.0	11.2	12.8	-.40	.63
31	5	89	14	214.	3.3	8.2	7.8	48.3	77.4	9.6	10.3	-.43	.69
31	5	89	15	49.	1.8	4.0	3.8	37.8	110.7	7.4	7.7	-.34	.90
31	5	89	16	76.	2.4	4.2	4.0	12.7	14.9	6.9	7.6	-.40	.94
31	5	89	17	359.	1.3	3.2	3.0	24.3	36.2	7.6	8.2	-.43	.90
31	5	89	18	48.	1.5	4.4	4.0	17.8	22.9	7.4	8.0	-.31	.86
31	5	89	19	38.	2.3	4.8	4.4	19.6	21.1	6.2	6.4	-.22	.88
31	5	89	20	48.	2.5	4.4	4.2	15.4	16.0	5.6	5.8	-.16	.89
31	5	89	21	44.	2.9	5.2	4.8	13.4	14.2	5.2	5.3	-.12	.90
31	5	89	22	31.	3.1	6.0	5.6	14.3	15.3	4.8	4.8	-.09	.93
31	5	89	23	343.	1.6	4.0	3.8	21.8	25.6	4.6	4.2	-.03	.94
31	5	89	24	326.	1.2	2.4	2.2	10.7	13.3	4.9	4.8	.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

NORSK INSTITUTT FOR LUFTFORSKNING (NILU)
NORWEGIAN INSTITUTE FOR AIR RESEARCH
POSTBOKS 64, N-2001 LILLESTRØM

RAPPORTTYPE	RAPPORTNR.	ISBN
OPPDRAGSRAPPORT	OR 5/90	ISBN-82-425-0101-7

DATO	ANSV. SIGN.	ANT. SIDER	PRIS
JANUAR 1990		77	NOK 120,-

TITTEL
Meteorologiske data fra nedre Telemark, våren 1989.

PROSJEKTLEDER
K. Hoem

NILU PROSJEKT NR.
O-8365

FORFATTER(E)
Kari Hoem

TILGJENGELIGHET
A

OPPDRAGSGIVERS REF.

OPPDRAGSGIVER (NAVN OG ADRESSE)
Statens forurensningstilsyn, Kontrollseksjonen nedre Telemark
Postboks 402
3701 Skien

3 STIKKORD (à maks. 20 anslag)
Meteorologiske data | Statistisk bearb.

REFERAT (maks. 300 anslag, 7 linjer)
En statistisk bearbeiding av meteorologiske data fra Ås i perioden 01.03.89-31.05.89 viser at det blåste oftest fra vest-nordvest (18%). Gjennomsnittlig vindstyrke på 3,2 m/s var 0,3 m/s høyere enn normalt. Stabilitetsfordelingen viser færre tilfeller av stabil sjiktning enn vanlig. Spredningsforholdene var dårligst ved vind fra nordvest. Mars (3,9 °C) var den varmeste mars måned som har vært registrert ved Ås. Alle tre vårmånedene var varmere enn normalen.

TITLE
Meteorological data from nedre Telemark, spring 1989.

ABSTRACT (max. 300 characters, 7 lines)
A statistical evaluation of meteorological data from Ås during spring 1989 shows dominating winds from northwest. Stable and light stable cases were observed in about 23% of the time (less than normal). March 1989 with a mean temperature of 3.9 °C was 4.1 °C warmer than normal. April and May were also warmer than normal.

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