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METEOROLOGISKE DATA FRA NEDRE TELEMARK, VINTEREN 1982/83

AV

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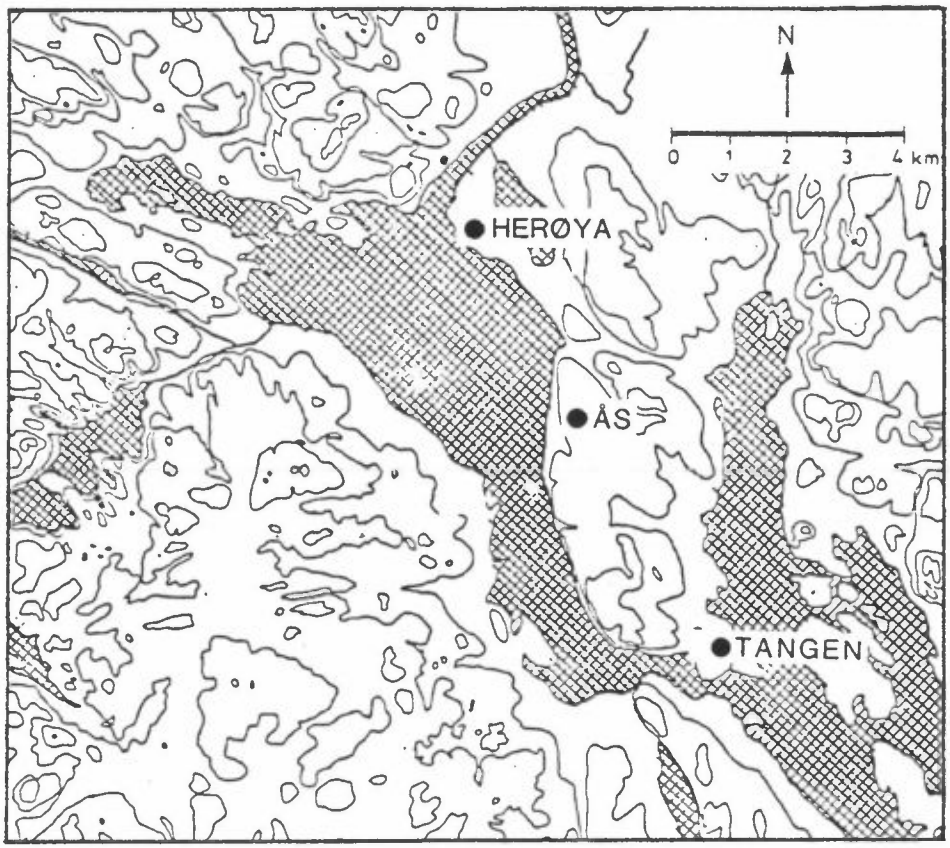
METEOROLOGISKE DATA FRA NEDRE TELEMARK
VINTEREN 1982/83

1 INNLEDNING

Denne presentasjonen av meteorologiske data fra nedre Telemark i perioden 1.12.82-28.2.83 (vinter), er et ledd i det koordinerte måleprogram av meteorologi og spredningsforhold i området. Bearbeidelsen er utført på oppdrag fra Norsk Hydro Rafnes, Porsgrunn fabrikker Herøya og Statens forurensningstilsyn, kontrollseksjonen nedre Telemark, og er en videreføring av tidligere tilsendte data (se Referanselisten).

2 INSTRUMENTERING, STASJONSPLASSERING

Målestasjonenes plassering er angitt i figur 1.



Figur 1: Lokalisering av meteorologiske målestasjoner i nedre Telemark.

Følgende instrumentering er anvendt ved de forskjellige stasjonene:

Ås : NILU automatiske værstasjon (AWS) med 25 m høy mast hvor det timevis måles: vindretning og vindstyrke (i 25 m), temperatur og relativ fuktighet (i 3 m), stabilitet (temperaturforskjell mellom 25 m og 10 m). Stasjonene er plassert 90 m o.h.

Herøya : Vindskriver av type Lambrecht nach Woelfle ca 30 m o.h., inne på industriområdet.

Tangen, Brevik : Pluviograf av type Fuess nr. 95 nach Hellmann (hevert-pluviograf) plassert ca 20 m o.h.

3 DATAKVALITET

Datatilgjengeligheten for vinterperioden 1982/83 var svært god både for stasjonene Ås og Herøya. Riktig så god var den ikke for Tangen, Brevik.

Datatilgjengeligheten for perioden var følgende:

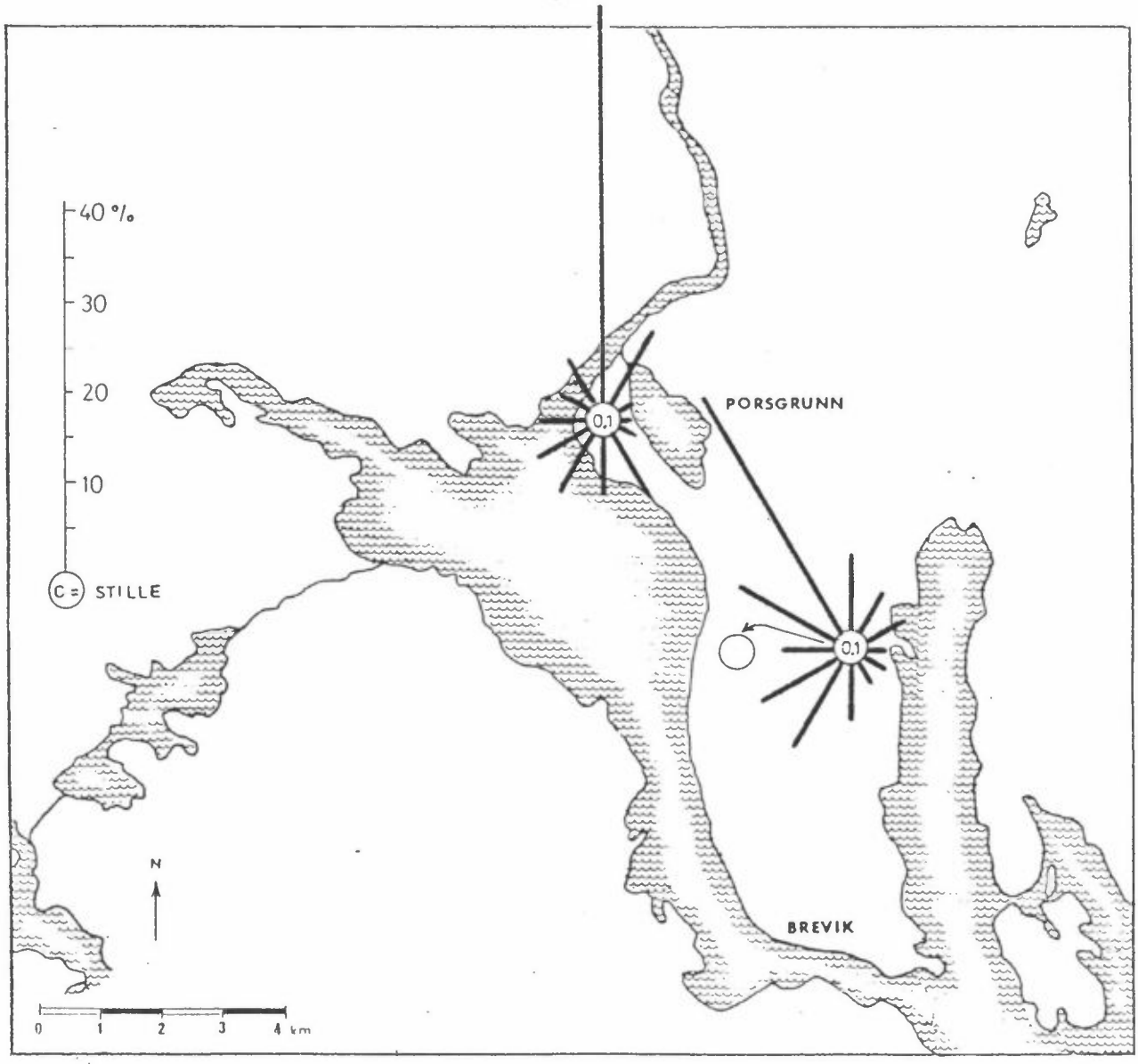
Ås : 100% for temperaturdifferens, relativ fuktighet og vindhastighet
99.5% for vindretning
99.4% for temperatur

Herøya : 99.9% for vindhastighet
98.3% for vindretning

Tangen, Brevik : 82.6% for nedbør. Data mangler vesentlig for februar 1983.

4 VINDFORHOLDENE

Vindroser fra alle stasjonene for vinteren 1982/83 er vist i figur 2.



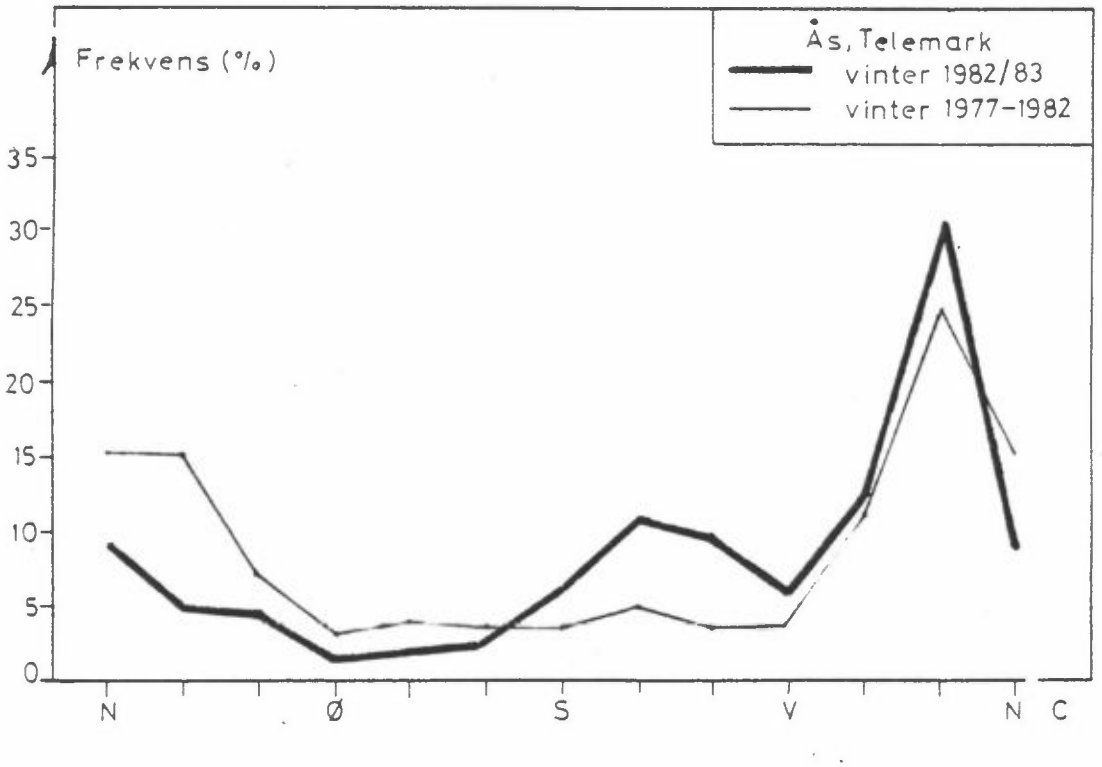
Figur 2: Vindroser (frekvens av vind i % i 12 sektorer) fra nedre Telemark for perioden 1.12.82-28.2.83.

Kvartalsvise vindfrekvensfordelinger (i %) er også presentert i tabellene 1-2. Vindobservasjoner fra Ås er dessuten presentert som månedsvise frekvensfordelinger i tabellene 7-9.

Vinteren 1982/83 blåste det oftest fra nord-nordvest ved Ås og fra nord ved Herøya. Vinden var ved Herøya som vanlig dreiet noe mer nordlig enn ved Ås, noe som skyldes de topografiske forholdene.

Middelvindstyrken ved Ås og Herøya for vintersesongen 1982/83 var henholdsvis 3.1 m/s og 2.7 m/s. Dette var ved Ås omtrent det samme eller noe høyere enn hva som ble målt vintrene 1977/78 til 1981/82. I januar var vindstyrken (3.5 m/s) høyere enn hva som er vanlig, mens den i desember var noe lavere (2.9 m/s).

I figur 3 har en frekvensfordelingen av forskjellige vindretninger vinteren 1982/83 presentert sammen med fordelingen for vinter-sesongene 1977/78-81/82.

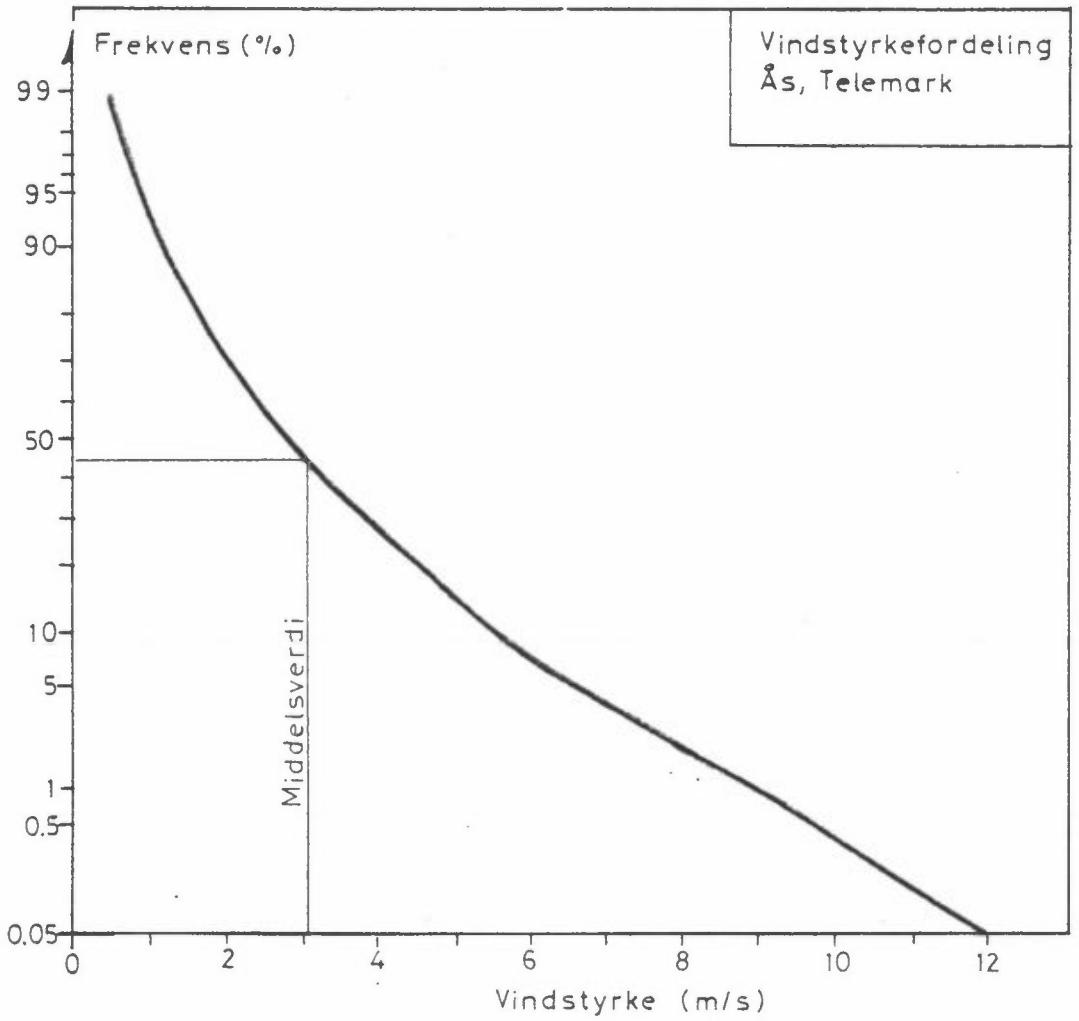


Figur 3: Frekvensfordeling av vindretninger (i 30°-sektorer) ved Ås for vinteren 1982/83, sammenholdt med middelfordeling for vintersesongene 1977/78-81/82.

Figur 3 viser at det vinteren 1982/83 blåste oftere fra omkring sørvest og nordvest enn hva som var tilfelle vintersesongene 1977/82, og sjeldnere fra nord og nordøst.

Figur 4 viser vindstyrkefordelingen ved Ås.

Vindstyrker over 6 m/s ved Ås forekom i 7.1% av tiden. Svake vinder, mindre enn 2 m/s forekom i 32% av tiden. I gjennomsnitt blåste det svakest fra øst-sørøstlig kant ved Ås, og fra øst ved Herøya.

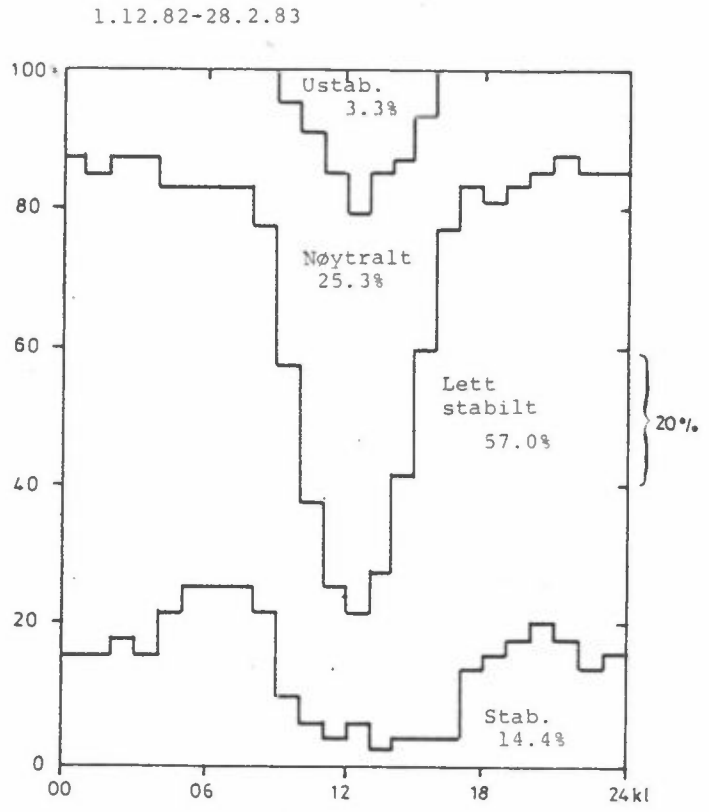


Figur 4: Kumulativ frekvensfordeling av vindstyrke ved Ås vinteren 1982/83. Figuren viser frekvens av vindstyrke større enn verdiene angitt på x-aksen.

5 STABILITETSFORHOLDENE

Stabilitetsforholdene i fire klasser er fordelt over døgnet i tabell 4 og figur 5, basert på temperaturdifferansen 25-10 m på Ås (dT).

Ustabilt	:	$dT < -0.5$
Nøytralt	:	$-0.5 \leq dT < 0$
Lett stabilt	:	$0 \leq dT < 0.5$
Stabilt	:	$dT > 0.5$



Figur 5: Døgnfordelingen av fire stabilitetsklasser basert på målinger av temperaturforskjellen mellom 25 m og 10 m i masten på Ås 01.12.82-28.02.83.

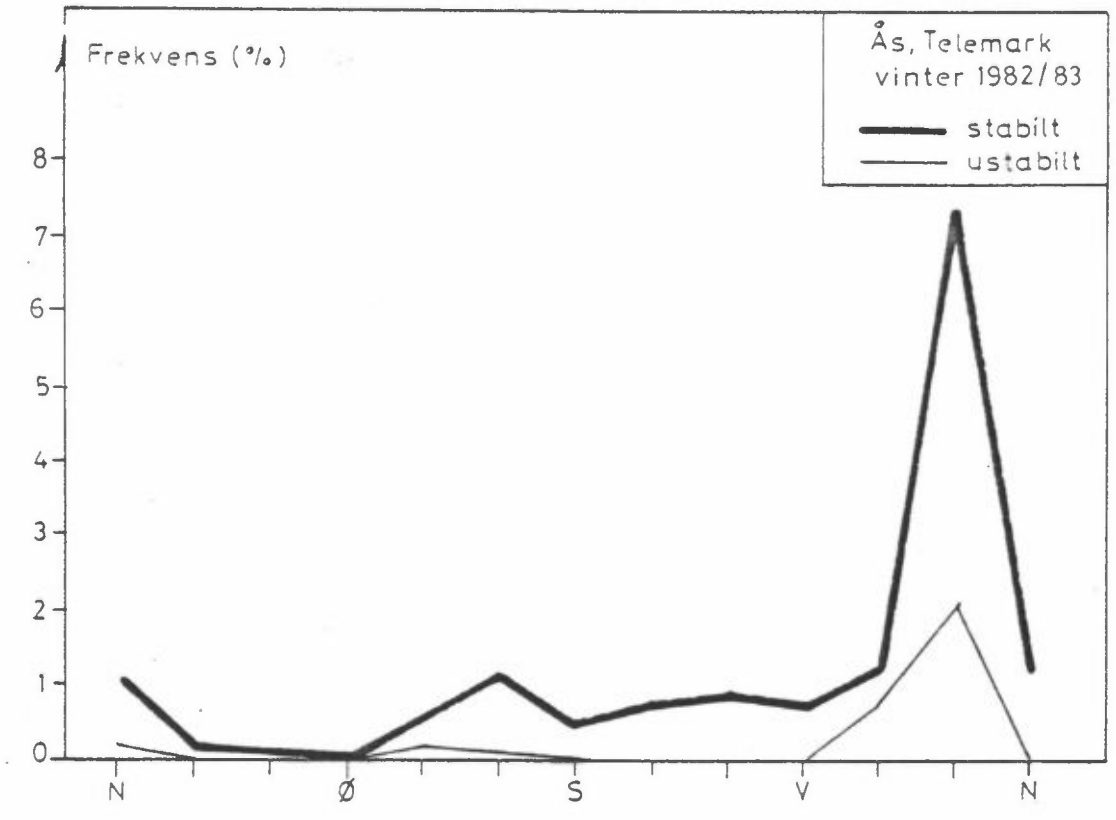
Vinteren 1982/83 var det 14.4% stabil, 57.0% lett stabil, 25.3% nøytral og 3.3% instabil temperatursjiktning. Denne fordelingen gir en lavere frekvens av nøytrale forhold og høyere frekvens

av lett stabile forhold enn det som er vanlig. Frekvensen av stabile og ustabile forhold er som normalt. Ustabile forhold forekom ikke i februar 1983.

6 FREKVENS AV VIND/STABILITET

Tabell 5 gir frekvensen (i %) i 196 klasser av vind og stabiliteter, basert på stabilitetsdata og vinddata fra 25 m masta på Ås.

Figur 6 viser frekvensen av stabil sjikting (inversjoner) og ustabil sjikting som funksjon av vindretningen.



Figur 6: Frekvens av stabil og ustabil sjikting som funksjon av vindretningen ved Ås vinteren 1982/83.

Figur 6 viser at stabile tilfeller vinteren 1982/83 oftest forekom ved vind fra nord-nordvest på Ås. Dette representerer vanligvis de stabile nattsituasjonene. Grunnen til at vi også har en liten topp med ustabile situasjoner ved samme vindretning er at nord-nordvest er den totalt sett klart dominerende vindretningen også på dagtid. Tabell 5 viser at ustabil sjikting oftest forekom ved vindhastigheter på 0-2 m/s fra nordvestlig kant, og ved svake vinder fra øst-sørøst.

7 TEMPERATUR VED ÅS

Tabell 6 viser månedsvis temperaturstatistikk for Ås i perioden 1.12.82-28.2.83. Middeltemperaturen for desember var -1.1°C, januar 1.9°C og for februar -3.5°C. Middeltemperaturen for desember er noe høyere enn hva som er vanlig. Middeltemperaturen for januar er den høyeste vi har målt siden starten av temperaturmålingene ved Ås i 1975. Temperaturen for februar derimot er omtrent som gjennomsnittet for de siste 8 årene.

8 RELATIV FUKTIGHET VED ÅS

Tabell 7 viser en statistisk fordeling av den relative fuktigheten ved Ås for vinteren 1982/83. Månedsmiddelverdiene viser relativ fuktighet på 88% i desember, 81% i januar og 80% i februar. Av observasjonene for vinteren 1982/83 lå ca 29% over 95% fuktighet. Den relative fuktigheten i perioden synes å være noe høyere enn det som har vært målt i vinterperiodene 1973/74-81/82. I desember varierte den relative fuktigheten i gjennomsnitt fra 85% midt på dagen til 90% om kvelden. I januar varierte den fra 76% til 84%, og i februar fra 65% om ettermiddagen til 87% seint på natta.

9 NEDBØR

Det måles nedbør ved en av NILUs målestasjoner i nedre Telemark, Tangen ved Brevik. Kontinuerlig nedbørmålinger er presentert i den synoptiske datalista, vedlegg C. Tabell 13 viser månedsvise nedbørmengder fra Tangen og fra Meteorologisk institutts klimastasjon ved Jomfruland (hvor det også er etablert en 30 års normal som en kan sammenlikne med). Som det fremgår av tabellen var stasjonen ved Tangen ute av drift ca halve februar måned.

Det ble målt mindre nedbør enn normalt i januar, mens det i desember og februar var noe mer nedbør enn normalt.

Ved Jomfruland falt det i desember 127 mm, i januar 42 mm og i februar 58 mm nedbør. Dette er 100.5% av normalen for årstiden.

10 REFERANSER

(1) Sivertsen, B. — Kvartalsvise bearbeidelser av meteorologiske data, oversendt som bilag til brev 22.2.77, 27.4.77, 6.9.77 og 14.10.77.

(2) Sivertsen, B. — Meteorologiske data fra nedre Telemark, høsten 1977. Lillestrøm 1978. (NILU OR 8/78.)

(3) Sivertsen, B. — Meteorologiske data fra nedre Telemark, vinteren 1977/1978. Lillestrøm 1978. (NILU OR 2/78.)

(4) Sivertsen, B. — Meteorologiske data fra nedre Telemark, våren 1978. Lillestrøm 1979. (NILU OR 9/79.)

(5) Sivertsen, B. — Meteorologiske data fra nedre Telemark, sommeren 1978. Lillestrøm 1979. (NILU OR 12/79.)

(6) Sivertsen, B. Friberg, A.G. — Meteorologiske data fra nedre Telemark, høsten 1978. Lillestrøm 1979. (NILU OR 13/79.)

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(10) Sivertsen, B. Friberg, A.G. — Meteorologiske data fra nedre Telemark, høsten 1979. Lillestrøm 1980. (NILU OR 10/80.)

(11) Sivertsen, B.
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(12) Sivertsen, B.
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(13) Sivertsen, B.
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Lillestrøm 1981. (NILU OR 2/81.)

(14) Sivertsen, B.
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Lillestrøm 1981. (NILU OR 15/81.)

(15) Sivertsen, B.
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Lillestrøm 1981. (NILU OR 21/81.)

(16) Sivertsen, B.
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Meteorologiske data fra nedre Telemark, våren 1981.
Lillestrøm 1981. (NILU OR 48/81.)

(17) Sivertsen, B.
Arnesen, K.
Meteorologiske data fra nedre Telemark, sommeren 1981.
Lillestrøm 1982. (NILU OR 11/82.)

(18) Sivertsen, B.
Arnesen, K.
Meteorologiske data fra nedre Telemark, høsten 1981.
Lillestrøm 1982. (NILU OR 51/82.)

(19) Sivertsen, B.
Arnesen, K.
Meteorologiske data fra nedre Telemark, vinteren 1981/82.
Lillestrøm 1982. (NILU OR 2/83.)

(20) Sivertsen, B.
Skaug, K.
Meteorologiske data fra nedre Telemark, våren 1982.
Lillestrøm 1983. (NILU OR 8/83.)

(21) Sivertsen, B.
Skaug, K.
Meteorologiske data fra nedre Telemark, sommeren 1982.
Lillestrøm 1983. (NILU OR 11/83.)

(22) Sivertsen, B.
Skaug, K.

Meteorologiske data fra nedre Telehøsten 1982.
Lillestrøm 1983. (NILU OR 22/83.)

VEDLEGG A
TABELLER

Tabell 1: Vindfrekvenser (vindrose) fra Ås 1.12.82-28.2.83.

VINDROSE FRA ÅS

1/12-82 - 28/ 2-83

	VINDROSE KL.								
SEKTOR	1	4	7	10	13	16	19	22	DØGN
20- 40	3.4	4.4	7.8	6.7	3.4	5.6	5.6	4.5	5.1
50- 70	4.5	4.4	4.4	5.6	5.7	3.3	3.3	4.5	4.6
80-100	4.5	1.1	1.1	0.0	1.1	1.1	2.2	2.2	1.5
110-130	0.0	0.0	2.2	1.1	0.0	8.9	3.3	0.0	2.0
140-160	1.1	1.1	4.4	1.1	6.8	3.3	2.2	1.1	2.6
170-190	7.9	3.3	3.3	6.7	8.0	6.7	4.4	5.6	6.2
200-220	6.7	11.1	7.8	13.3	6.8	12.2	13.3	14.6	10.7
230-250	10.1	10.0	5.6	7.8	9.1	8.9	11.1	13.5	9.4
260-280	9.0	6.7	6.7	4.4	8.0	5.6	7.8	2.2	5.9
290-310	11.2	13.3	16.7	11.1	10.2	13.3	6.7	7.9	12.2
320-340	29.2	36.7	33.3	35.6	33.0	21.1	26.7	29.2	30.7
350- 10	12.4	7.8	6.7	6.7	8.0	8.9	13.3	14.6	8.9
STILLE	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	.1
ANT.OBS.	89	90	90	90	88	90	90	89	2150
MIDL.VIND	3.1	3.2	3.1	3.1	3.2	3.1	3.1	3.2	3.1

VINDANALYSE

DØGNMIDDEL	30	60	90	120	150	180	210	240	270	300	330	360	TOTAL
STILLE													.1
.3- 2.0 M/S	1.3	.5	.5	1.5	1.8	1.4	2.7	2.6	1.5	3.4	11.6	3.2	31.9
2.1- 4.0 M/S	1.3	1.1	.7	.3	.4	2.5	5.3	3.2	2.2	5.6	15.8	2.4	40.7
4.1- 6.0 M/S	2.1	2.2	.4	0.0	0.0	1.5	2.4	2.4	1.5	2.0	3.0	2.6	20.1
OVER 6.0 M/S	.5	.8	.0	.1	.4	.8	.4	1.2	.7	1.1	.4	.7	7.1
TOTAL	5.1	4.6	1.5	2.0	2.6	6.2	10.7	9.4	5.9	12.2	30.7	8.9	100.0
MIDL.VIND M/S	3.7	4.5	3.1	1.9	2.4	3.7	3.2	3.5	3.5	3.4	2.6	3.2	3.1
ANT. OBS.	110	99	33	43	55	134	231	202	126	262	661	191	2150

MIDLERE VINDSTYRKE FOR HELE DATASETTET ER 3.1 M/S, BASERT PÅ 2160 OBSERVASJONER.

Tabell 2: Vindfrekvenser fra Herøya 1.12.82-28.2.83.

VINDROSE FRA HERØYA

1/12-82 - 28/ 2-83

	VINDROSE KL.								
SEKTOR	1	4	7	10	13	16	19	22	DØGN
20- 40	14.3	9.2	7.9	9.2	12.2	5.7	11.2	9.0	9.4
50- 70	1.2	1.1	2.2	0.0	0.0	0.0	2.2	0.0	1.0
80-100	0.0	1.1	1.1	2.3	1.1	1.1	1.1	0.0	0.6
110-130	1.2	2.3	1.1	0.0	0.0	0.0	1.1	0.0	1.3
140-160	7.1	6.9	6.7	9.2	7.8	12.5	12.4	7.9	8.2
170-190	3.6	8.0	5.6	2.3	10.0	10.2	7.9	6.7	6.5
200-220	9.5	8.0	5.6	10.3	4.4	6.8	4.5	14.6	7.6
230-250	7.1	5.7	5.6	9.2	7.8	5.7	6.7	5.6	6.9
260-280	3.6	5.7	9.0	0.0	4.4	6.8	3.4	2.2	4.9
290-310	4.8	2.3	2.2	2.3	4.4	3.4	4.5	6.7	4.1
320-340	7.1	8.0	3.4	9.2	3.3	5.7	4.5	4.5	5.2
350- 10	40.5	41.4	49.4	46.0	44.4	42.0	39.3	42.7	44.0
STILLE	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.1
ANT.OBS.	84	87	89	87	90	88	89	89	2123
MIDL.VIND	2.6	2.5	2.8	2.7	2.9	2.9	2.7	2.7	2.7

VINDANALYSE

DØGNMIDDEL	30	60	90	120	150	180	210	240	270	300	330	360	TOTAL
STILLE													0.1
0.3- 2.0 M/S	4.9	0.7	0.5	1.1	3.4	2.3	1.8	1.8	1.9	1.3	2.4	26.8	48.8
2.1- 4.0 M/S	1.3	0.0	0.0	0.1	3.6	3.1	3.8	3.6	1.6	2.0	1.7	10.7	31.5
4.1- 6.0 M/S	1.1	0.3	0.1	0.0	0.8	0.9	1.8	1.1	0.7	0.8	0.6	2.9	11.2
OVER 6.0 M/S	2.1	0.0	0.0	0.1	0.4	0.2	0.2	0.4	0.8	0.1	0.4	3.6	8.5
TOTAL	9.4	1.0	0.6	1.3	8.2	6.5	7.6	6.9	4.9	4.1	5.2	44.0	100.0
MIDL.VIND M/S	3.3	1.9	1.5	1.8	2.7	2.8	3.2	2.9	3.3	3.0	2.8	2.5	2.7
ANT. OBS.	199	21	12	28	175	138	162	147	105	88	111	935	2123

MIDLERE VINDSTYRKE FOR HELE DATASETTET ER 2.7 M/S, BASERT PÅ 2157 OBSERVASJONER

Tabell 3: Vindfrekvenser fra Ås for vinterperiodene 1977/78-81/82.

VINDROSE FRA ÅS

VINTER 1977/78 - 1981/82

	VINDROSE KL.								
SEKTOR	1	4	7	10	13	16	19	22	DØGN
20- 40	14.1	13.2	14.9	16.0	17.0	16.5	14.1	14.5	14.9
50- 70	6.5	7.6	6.8	6.5	6.3	8.0	7.6	8.3	7.2
80-100	3.2	4.1	2.4	3.6	2.1	5.3	4.1	2.7	3.2
110-130	1.2	1.2	2.4	1.8	6.0	8.8	5.0	2.7	3.8
140-160	2.4	2.4	2.7	2.4	2.7	5.4	5.3	3.5	3.3
170-190	2.6	2.1	3.0	4.4	3.6	2.7	4.4	2.9	3.4
200-220	5.6	5.0	5.1	6.5	6.6	4.4	3.8	4.4	4.9
230-250	3.5	2.9	4.5	2.4	3.3	4.1	4.7	2.7	3.5
260-280	4.7	5.9	2.7	2.7	2.7	3.5	4.1	3.5	3.7
290-310	11.8	12.1	14.0	10.4	11.9	8.0	12.0	13.0	11.2
320-340	28.2	26.2	24.4	27.5	25.6	18.0	19.9	26.8	24.4
350- 10	15.0	15.9	16.4	15.1	13.1	14.2	14.1	13.9	15.3
STILLE	1.2	1.2	.9	.9	1.2	.9	.9	1.2	1.1
ANT.OBS.	340	340	336	338	335	339	341	339	8125
MIDL.VIND	2.9	2.9	2.9	2.9	3.0	2.9	3.0	2.9	2.9

VINDANALYSE

DØGNMIDDEL	30	60	90	120	150	180	210	240	270	300	330	360	TOTAL
STILLE													1.1
.3- 2.0 M/S	2.3	1.7	1.4	2.3	1.4	1.0	1.0	1.3	1.6	3.8	8.4	4.0	30.3
2.1- 4.0 M/S	6.9	3.5	1.1	1.4	1.4	1.4	2.3	1.1	1.1	5.3	13.7	7.9	47.4
4.1- 6.0 M/S	4.6	1.7	.6	.1	.3	.7	1.3	.9	.8	1.5	2.0	3.0	17.4
OVER 6.0 M/S	1.1	.2	.1	.0	.1	.2	.3	.2	.3	.7	.3	.4	3.9
TOTAL	14.9	7.2	3.2	3.8	3.3	3.4	4.9	3.5	3.7	11.2	24.4	15.3	100.0
MIDL.VIND M/S	3.6	3.2	2.7	2.0	2.4	3.1	3.4	3.0	3.0	3.0	2.6	3.0	2.9
ANT. OBS.	1208	582	257	311	271	278	399	286	304	912	1985	1242	8125

MIDLERE VINDSTYRKE FOR HELE DATASETTET ER 2.9 M/S, BASERT PÅ 9606 OBSERVASJONER

Tabell 4: Fire klasser av stabiliteter fordelt over døgnet basert på målinger av temperaturforskjellen mellom 25 m og 10 m i masta på Ås 1.12.82-28.2.83.

FREKVENS AV FORSKJELLIGE STABILITETER

VINTER 1982-83

	GRUPPE 1 X=(< -.5)	GRUPPE 2 X=(-.5-<0.0)	GRUPPE 3 X=(0.0-< .5)	GRUPPE 4 X=(.5->)
1	0.00	12.22	71.11	16.67
2	0.00	13.33	70.00	16.67
3	0.00	12.22	70.00	17.78
4	0.00	12.22	72.22	15.56
5	0.00	15.56	62.22	22.22
6	0.00	15.56	57.78	26.67
7	0.00	15.56	57.78	26.67
8	0.00	16.67	57.78	25.56
9	0.00	22.22	56.67	21.11
10	3.33	37.78	48.89	10.00
11	7.78	54.44	31.11	6.67
12	14.44	58.89	22.22	4.44
13	20.00	57.78	16.67	5.56
14	14.44	57.78	25.56	2.22
15	12.22	46.67	36.67	4.44
16	6.67	33.33	56.67	3.33
17	0.00	22.22	74.44	3.33
18	0.00	16.67	70.00	13.33
19	0.00	17.78	66.67	15.56
20	0.00	16.67	64.44	18.89
21	0.00	14.44	65.56	20.00
22	0.00	11.11	70.00	18.89
23	0.00	13.33	72.22	14.44
24	0.00	13.33	71.11	15.56
	5.29	25.32	56.09	14.40
	INNSTABILT	NØYTRALT	LETT STABILT	STABILT

2160 OBS.

Tabell 5: Frekvens (i %) av vind og stabilitet fordelt på:
fire vindstyrkeklasser
fire stabilitetsklasser (1 = instabilt, 2 = nøytralt, 3 = lett stabilt, 4 = stabilt)
vindstille (vind < 0.2 m/s)
basert på data fra Ås i perioden 1.12.82-28.2.83.

VINDSTYRKE	0.0- 2.0 M/S				2.0- 4.0 M/S				4.0- 6.0 M/S				OVER 6.0 M/S				
STABILITET	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	ROSE
VINDRETN.																	
30	.0	.3	.8	.2	.0	.9	.4	.0	.0	1.5	.7	.0	.0	.4	.1	.0	5.2
60	.0	.0	.3	.1	.0	.7	.4	.0	.0	2.0	.2	.0	.0	.8	.0	.0	4.6
90	.0	.1	.3	.0	.0	.6	.0	.0	.0	.4	.0	.0	.0	.1	.0	.0	1.6
120	.2	.4	.5	.5	.0	.0	.1	.1	.0	.0	.0	.0	.0	.1	.0	.0	2.0
150	.1	.2	.5	.9	.0	.0	.2	.2	.0	.0	.0	.0	.0	.3	.1	.0	2.6
180	.0	.2	.8	.3	.0	.4	1.9	.2	.0	.1	1.3	.0	.0	.5	.3	.0	6.0
210	.0	.2	1.9	.4	.0	.3	4.7	.3	.0	.4	2.2	.0	.0	.0	.4	.0	10.9
240	.0	.2	1.5	.8	.0	.6	2.6	.0	.0	.5	2.0	.0	.0	.2	1.0	.0	9.4
270	.0	.1	.8	.5	.0	.2	1.9	.2	.0	.6	1.0	.0	.0	.4	.3	.0	5.9
300	.5	.6	1.7	.3	.2	.6	3.9	.8	.0	.4	1.5	.1	.0	.2	.9	.0	11.8
330	1.6	3.7	4.5	1.2	.4	2.2	8.4	5.6	.0	.6	2.2	.4	.0	.0	.5	.0	31.1
360	.2	.9	1.3	.9	.0	.5	1.7	.2	.0	1.3	1.3	.0	.0	.6	.1	.0	9.0
STILLE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	2.6	6.9	14.8	6.1	.7	7.1	24.0	7.8	0.0	7.9	12.5	.6	0.0	3.5	3.7	0.0	100.0

FORDELING PR VINDHASTIGHET

0.0- 2.0 M/S	2.0- 4.0 M/S	4.0- 6.0 M/S	OVER 6.0 M/S
30.4	41.6	20.8	7.2

FORDELING AV STABILITETSKLASSENE

3.3	25.2	57.0	14.4

ANTALL TIMER = 2160, ANTALL OBSERVASJONER = 2153

Tabell 6: Månedsvis temperaturstatistikk fra Ås for desember 1982, januar og februar 1983: middel-, maksimum- og minimumstemperaturer, antall observasjoner og temperatur under gitte grenser, samt midlere døgnfordeling av temperatur.

338 ÅS			1 12 82			31 12 82					T<-10.0		T< 0.0		T< 10.0	
			MAX			MIN			MIDLERE							
MÅNED	NDAG	TMIDL	T	DAG	KL	T	DAG	KL	TMAX	TMIN	DØGN	TIMER	DØGN	TIMER	DØGN	TIMER
DES 1982	31	-1.1	5.6	26	5	-11.3	14	7	1.1	-3.6	2	12	27	471	31	744
JAN 1983	31	1.9	9.6	27	13	-7.2	16	8	4.5	-.9	0	0	18	229	31	744
FEB 1983	28	-3.5	8.0	22	15	-20.3	10	8	1.3	-7.2	4	27	28	557	28	660

MIDDELTEMPERATUR, STANDARDAVVIK OG ANTALL OBS.

MÅNED	KL	1	4	7	10	13	16	19	22	
DES 1981		-1.5	-1.6	-1.8	-1.2	.0	-.4	-.7	-1.2	
		3.2	3.3	3.5	3.4	3.0	3.0	3.1	3.2	
		31	31	31	31	31	31	31	31	744
JAN 1983		1.6	1.4	1.1	1.7	3.2	2.7	1.9	1.7	
		3.2	3.6	4.0	3.8	3.5	3.3	3.4	3.3	
		31	31	31	31	31	31	31	31	744
FEB 1983		-4.7	-5.4	-6.2	-3.4	.4	-.2	-3.2	-4.1	
		3.1	3.3	3.9	2.7	3.1	3.7	2.7	2.9	
		28	28	28	27	27	28	27	27	660

Tabell 7: Månedsvis relativ fuktighetsstatistikk fra Ås for desember 1982, januar og februar 1983. Middel-, maksimum- og minimumsverdier, antall observasjoner av relativ fuktighet under gitte grenser, samt midlere døgnfordeling.

338 ÅS			1 12 82			28 2 83					F< .30		F< .75		F< .95	
			MAX			MIN			MIDLERE							
MÅNED	NDAG	TMIDL	F	DAG	KL	F	DAG	KL	FMAX	FMIN	DØGN	TIMER	DØGN	TIMER	DØGN	TIMER
DES 1982	31	.88	1.00	*24	9	.46	16	18	.97	.76	0	0	14	105	29	490
JAN 1983	31	.81	1.00	* 1	1	.41	19	21	.95	.65	0	0	21	240	31	538
FEB 1983	28	.80	1.00	* 5	5	.35	24	15	.94	.56	0	0	21	229	27	509

MIDDELFUKTIGHET , STANDARDAVVIK OG ANTALL OBS.

MÅNED	KL	1	4	7	10	13	16	19	22	
DES 1982		.89	.90	.89	.90	.85	.88	.88	.90	
		.12	.11	.12	.10	.13	.13	.14	.12	
		31	31	31	31	31	31	31	31	744
JAN 1983		.83	.84	.84	.83	.76	.79	.83	.82	
		.16	.17	.15	.14	.16	.17	.17	.17	
		31	31	31	31	31	31	31	31	744
FEB 1983		.86	.86	.87	.85	.66	.65	.80	.84	
		.15	.14	.13	.12	.18	.20	.17	.16	
		28	28	28	28	28	28	28	28	672

Tabell 8: Vindfrekvenser fra Ås for desember 1982.

VINDROSE FRA ÅS

1/12-82 - 31/12-82

	VINDROSE KL. 1	4	7	10	13	16	19	22	DØGN
SEKTOR									
20- 40	0.0	6.5	6.5	3.2	0.0	0.0	3.2	10.0	3.5
50- 70	3.2	3.2	3.2	3.2	3.3	3.2	3.2	0.0	3.4
80-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.1
110-130	0.0	0.0	3.2	3.2	0.0	0.0	0.0	0.0	.5
140-160	0.0	0.0	6.5	3.2	3.3	3.2	0.0	0.0	2.3
170-190	9.7	3.2	3.2	9.7	10.0	12.9	6.5	3.3	9.0
200-220	6.5	12.9	12.9	16.1	13.3	9.7	19.4	16.7	11.5
230-250	6.5	9.7	0.0	0.0	3.3	6.5	9.7	6.7	6.9
260-280	9.7	6.5	0.0	6.5	6.7	6.5	3.2	6.7	4.1
290-310	12.9	6.5	19.4	9.7	10.0	12.9	9.7	13.3	13.0
320-340	32.3	41.9	38.7	41.9	36.7	38.7	38.7	33.3	36.1
350- 10	19.4	9.7	6.5	3.2	13.3	6.5	6.5	10.0	9.5
STILLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANT.OBS.	31	31	31	31	30	31	31	30	737
MIDL.VIND	3.0	3.4	2.7	2.7	2.5	2.9	3.0	2.7	2.9

VINDANALYSE

DØGNMIDDEL	30	60	90	120	150	180	210	240	270	300	330	360	TOTAL
STILLE													0.0
.3- 2.0 M/S	.5	.4	.1	.5	1.2	1.5	3.8	3.3	1.6	5.3	16.7	3.1	38.1
2.1- 4.0 M/S	1.2	.9	0.0	0.0	.5	3.0	5.8	2.8	1.5	4.9	15.5	3.5	39.8
4.1- 6.0 M/S	1.6	1.9	0.0	0.0	0.0	3.0	1.1	.7	.9	2.2	3.7	2.8	17.9
OVER 6.0 M/S	.1	.1	0.0	0.0	.5	1.5	.8	.1	0.0	.7	.3	0.0	4.2
TOTAL	3.5	3.4	.1	.5	2.3	9.0	11.5	6.9	4.1	13.0	36.1	9.5	100.0
MIDL.VIND M/S	3.8	4.1	.7	1.2	3.2	4.2	3.0	2.4	2.6	2.8	2.4	2.9	2.9
ANT. OBS.	26	25	1	4	17	66	85	51	30	96	266	70	737

MIDLERE VINDSTYRKE FOR HELE DATASETTET ER 2.9 M/S, BASERT PÅ 744 OBSERVASJONER

Tabell 9: Vindfrekvenser fra Ås for januar 1983.

VINDROSE FRA ÅS

1/ 1-83 - 31/ 1-83

	VINDROSE KL. 1	4	7	10	13	16	19	22	DØGN
SEKTOR									
20- 40	3.2	0.0	6.5	3.2	0.0	3.2	3.2	0.0	2.4
50- 70	3.2	3.2	0.0	0.0	0.0	0.0	0.0	3.2	1.3
80-100	6.5	3.2	3.2	0.0	0.0	0.0	0.0	0.0	.7
110-130	0.0	0.0	3.2	0.0	0.0	6.5	3.2	0.0	1.6
140-160	3.2	3.2	6.5	0.0	6.5	0.0	3.2	3.2	2.7
170-190	9.7	3.2	3.2	6.5	12.9	6.5	6.5	9.7	7.5
200-220	9.7	19.4	9.7	19.4	6.5	25.8	16.1	22.6	18.7
230-250	19.4	19.4	16.1	22.6	22.6	12.9	16.1	29.0	17.9
260-280	16.1	9.7	19.4	6.5	12.9	9.7	16.1	0.0	11.8
290-310	6.5	19.4	19.4	16.1	6.5	16.1	9.7	6.5	13.7
320-340	19.4	19.4	12.9	19.4	22.6	9.7	9.7	12.9	15.6
350- 10	3.2	0.0	0.0	6.5	9.7	9.7	16.1	12.9	5.9
STILLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANT.OBS.	31	31	31	31	31	31	31	31	743
MIDL.VIND	3.2	2.9	3.2	3.5	4.0	3.7	3.4	3.7	3.5

VINDANALYSE

DØGNMIDDEL	30	60	90	120	150	180	210	240	270	300	330	360	TOTAL
STILLE													0.0
.3- 2.0 M/S	1.7	.5	.5	1.3	2.2	2.6	3.0	3.1	2.0	1.7	4.3	3.4	26.4
2.1- 4.0 M/S	.5	.8	.1	.3	.4	3.6	9.7	5.4	4.4	6.3	8.3	.7	40.6
4.1- 6.0 M/S	.1	0.0	0.0	0.0	0.0	.9	5.8	6.1	3.5	3.1	2.3	.9	22.7
OVER 6.0 M/S	0.0	0.0	0.0	0.0	.1	.4	.3	3.4	1.9	2.6	.7	.9	10.2
TOTAL	2.4	1.3	.7	1.6	2.7	7.5	18.7	17.9	11.8	13.7	15.6	5.9	100.0
MIDL.VIND M/S	1.8	2.1	1.2	1.6	1.8	2.8	3.4	4.1	3.9	4.5	3.0	3.1	3.5
ANT. OBS.	18	10	5	12	20	56	139	133	88	102	116	44	743

MIDLERE VINDSTYRKE FOR HELE DATASETTET ER 3.5 M/S, BASERT PÅ 744 OBSERVASJONER

Tabell 10: Vindfrekvenser fra Ås for februar 1983.

VINDROSE FRA ÅS

1/ 2-83 - 28/ 2-83

	VINDROSE KL.								
SEKTOR	1	4	7	10	13	16	19	22	DØGN
20- 40	7.4	7.1	10.7	14.3	11.1	14.3	10.7	3.6	9.9
50- 70	7.4	7.1	10.7	14.3	14.8	7.1	7.1	10.7	9.6
80-100	7.4	0.0	0.0	0.0	3.7	3.6	7.1	7.1	4.0
110-130	0.0	0.0	0.0	0.0	0.0	21.4	7.1	0.0	4.0
140-160	0.0	0.0	0.0	0.0	11.1	7.1	3.6	0.0	2.7
170-190	3.7	3.6	3.6	3.6	0.0	0.0	0.0	3.6	1.8
200-220	3.7	0.0	0.0	3.6	0.0	0.0	3.6	3.6	1.0
230-250	3.7	0.0	0.0	0.0	0.0	7.1	7.1	3.6	2.7
260-280	0.0	3.6	0.0	0.0	3.7	0.0	3.6	0.0	1.2
290-310	14.8	14.3	10.7	7.1	14.8	10.7	0.0	3.6	9.6
320-340	37.0	50.0	50.0	46.4	40.7	14.3	32.1	42.9	41.6
350- 10	14.8	14.3	14.3	10.7	0.0	10.7	17.9	21.4	11.5
STILLE	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	.4
ANT.OBS.	27	28	28	28	27	28	28	28	670
MIDL.VIND	3.1	3.3	3.6	3.0	2.8	2.6	2.9	3.3	3.1

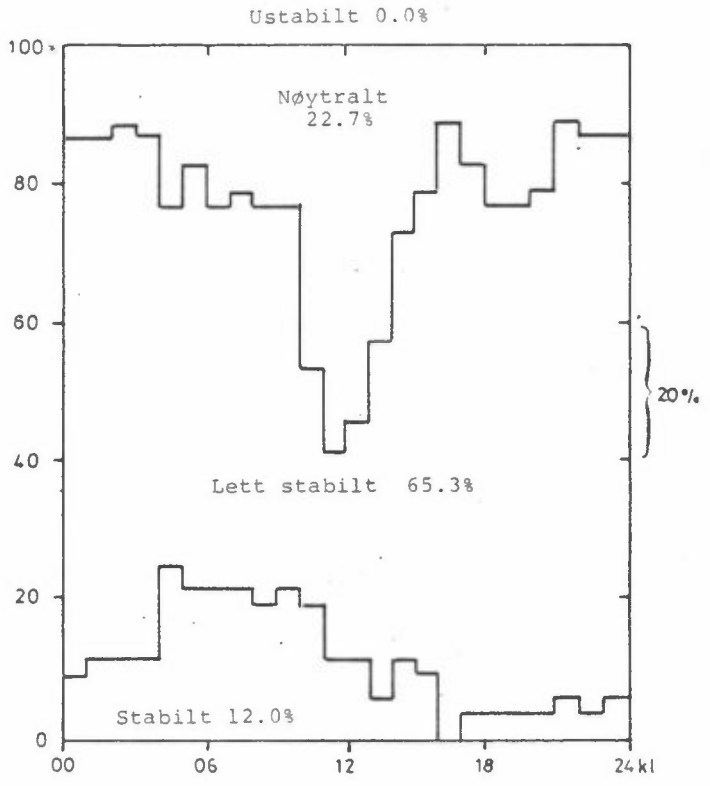
VINDANALYSE

DØGNMIDDEL	30	60	90	120	150	180	210	240	270	300	330	360	TOTAL
STILLE													.4
.3- 2.0 M/S	1.5	.6	.7	2.8	1.9	.1	1.0	1.2	.7	3.1	14.2	3.1	31.2
2.1- 4.0 M/S	2.1	1.5	1.9	.7	.1	.7	0.0	1.2	.4	5.7	24.3	3.1	41.9
4.1- 6.0 M/S	4.9	4.9	1.2	0.0	0.0	.4	0.0	.3	0.0	.7	3.0	4.2	19.7
OVER 6.0 M/S	1.3	2.5	.1	.4	.6	.4	0.0	0.0	0.0	0.0	.1	1.0	6.7
TOTAL	9.9	9.6	4.0	4.0	2.7	1.8	1.0	2.7	1.2	9.6	41.6	11.5	100.0
MIDL.VIND M/S	4.3	5.0	3.5	2.1	2.5	4.2	1.3	2.5	1.8	2.5	2.6	3.6	3.1
ANT. OBS.	66	64	27	27	18	12	7	18	8	64	279	77	670

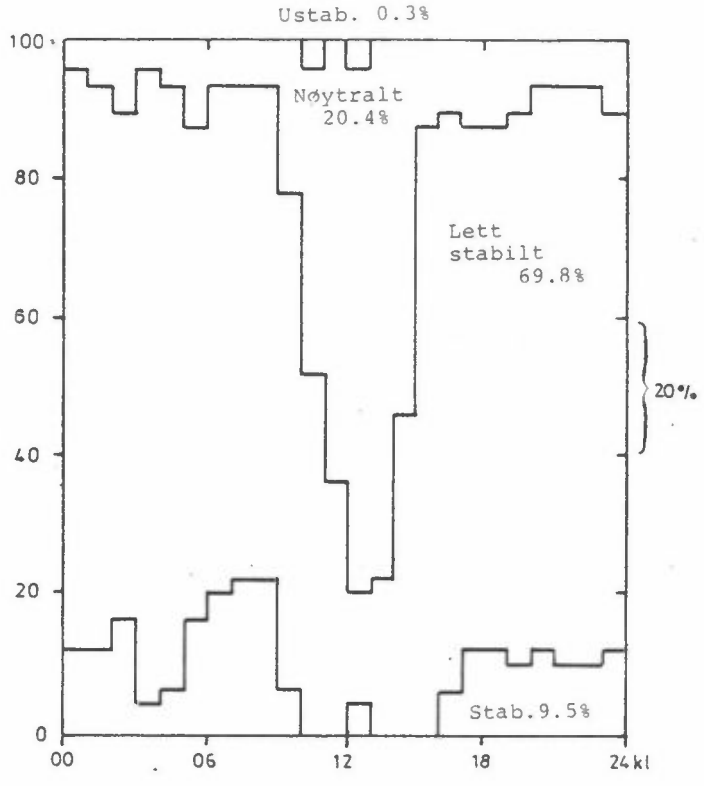
MIDLERE VINDSTYRKE FOR HELE DATASETTET ER 3.1 M/S, BASERT PÅ 672 OBSERVASJONER

Tabell 11: Månedsvis stabilitetsfrekvens (i fire klasser) fordelt over døgnet, basert på målinger av temperatur-forskjellen mellom 25 m og 10 m i masta på Ås: a) desember 1982, b) januar 1983, c) februar 1983.

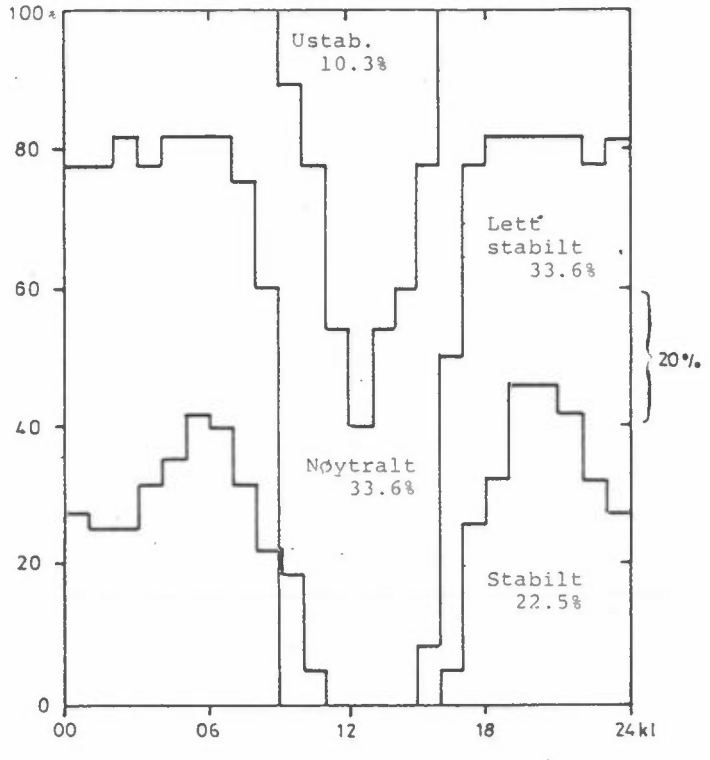
a) 1.12.82-31.12.82



b) 1.1.83-31.1.83



c) 1.2.83-28.2.83



Tabell 12: Frekvens (i %) av vind og stabilitet fra Ås (klassifisering som tabell 4) i a) desember 1982, b) januar 1983, c) februar 1983.

a)

VINDSTYRKE	0.0- 2.0 M/S				2.0- 4.0 M/S				4.0- 6.0 M/S				OVER 6.0 M/S				
STABILITET	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	ROSE
VINDRETN.																	
30	.0	.1	.3	.1	.0	1.1	.3	.0	.0	1.4	.1	.0	.0	.1	.0	.0	3.5
60	.0	.0	.1	.1	.0	.5	.5	.0	.0	1.5	.5	.0	.0	.1	.0	.0	3.5
90	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
120	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5
150	.0	.0	.4	.8	.0	.0	.1	.4	.0	.0	.0	.0	.0	.3	.3	.0	2.3
180	.0	.0	.7	.7	.0	.0	2.4	.4	.0	.0	3.0	.0	.0	.5	.9	.0	8.7
210	.0	.3	2.7	.7	.0	.3	5.4	.3	.0	.0	1.4	.0	.0	.0	.8	.0	11.8
240	.0	.3	1.6	1.2	.0	.4	2.3	.0	.0	.1	.8	.0	.0	.0	.1	.0	6.9
270	.0	.1	.8	.5	.0	.0	1.6	.0	.0	.1	.8	.0	.0	.0	.0	.0	4.1
300	.0	1.4	2.4	.5	.0	.4	3.5	.9	.0	.5	1.2	.1	.0	.1	.5	.0	11.8
330	.0	6.0	8.7	1.6	.0	3.0	11.9	1.9	.0	.5	3.0	.3	.0	.0	.4	.0	37.3
360	.0	.5	1.6	1.1	.0	.7	2.8	.0	.0	2.3	.7	.0	.0	.0	.0	.0	9.5
STILLE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	0.0	8.4	19.8	7.7	0.0	6.4	31.0	3.9	0.0	6.5	11.5	.4	0.0	1.2	3.1	0.0	100.0

FORDELING PÅ VINDHASTIGHET

0.0- 2.0 M/S	2.0- 4.0 M/S	4.0- 6.0 M/S	OVER 6.0 M/S
35.9	41.3	18.4	4.3

FORDELING AV STABILITETSKLASSENE

0.0	22.5	65.4	12.1

ANTALL TIMER = 744, ANTALL OBSERVASJONER = 738

b)

VINDSTYRKE	0.0- 2.0 M/S				2.0- 4.0 M/S				4.0- 6.0 M/S				OVER 6.0 M/S				
STABILITET	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	ROSE
VINDRETN.																	
30	.0	.4	1.2	.1	.0	.4	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	2.4
60	.0	.0	.4	.1	.0	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3
90	.0	.0	.5	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.7
120	.0	.0	.5	.7	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5
150	.0	.1	.8	1.3	.0	.0	.4	.0	.0	.0	.0	.0	.0	.1	.0	.0	2.8
180	.0	.5	1.6	.3	.0	.9	2.4	.1	.0	.0	.9	.0	.0	.4	.0	.0	7.3
210	.0	.3	2.0	.4	.0	.7	8.2	.7	.0	1.2	5.1	.0	.0	.0	.3	.0	18.8
240	.0	.3	1.7	1.1	.0	.9	4.4	.0	.0	1.3	4.7	.0	.0	.5	2.8	.0	17.9
270	.0	.1	1.3	.5	.0	.4	3.5	.5	.0	1.5	2.0	.0	.0	1.1	.9	.0	12.0
300	.0	.1	1.6	.0	.0	.7	4.8	.7	.0	.5	2.4	.1	.0	.4	2.2	.0	13.6
330	.1	2.0	1.7	.1	.0	1.6	5.0	1.7	.0	.5	1.7	.1	.0	.0	.8	.0	15.6
360	.1	1.3	1.2	.7	.0	.3	.5	.0	.0	.3	.8	.0	.0	.0	.0	.0	6.2
STILLE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	.3	5.2	14.8	5.4	0.0	4.2	30.2	3.9	0.0	5.5	17.7	.3	0.0	3.5	7.0	0.0	100.0

FORDELING PÅ VINDHASTIGHET

0.0- 2.0 M/S	2.0- 4.0 M/S	4.0- 6.0 M/S	OVER 6.0 M/S
25.7	40.3	23.5	10.5

FORDELING AV STABILITETSKLASSENE

.3	20.4	69.8	9.5

ANTALL TIMER = 744, ANTALL OBSERVASJONER = 744

c)

VINDSTYRKE	0.0- 2.0 M/S				2.0- 4.0 M/S				4.0- 6.0 M/S				OVER 6.0 M/S				
STABILITET	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	ROSE
VINDRETN.																	
30	.0	.5	.9	.3	.0	1.2	.7	.2	.0	3.3	1.9	.0	.0	1.0	.3	.0	10.1
60	.0	.2	.3	.0	.0	1.5	.2	.0	.0	4.8	.2	.0	.0	2.4	.0	.0	9.4
90	.0	.4	.3	.0	.0	1.9	.0	.0	.0	1.2	.0	.0	.0	.3	.0	.0	4.2
120	.6	1.2	.6	.6	.0	.2	.2	.4	.0	.0	.0	.0	.0	.4	.0	.0	4.2
150	.4	.6	.3	.4	.0	.2	.0	.2	.0	.0	.0	.0	.0	.6	.0	.0	2.7
180	.0	.0	.0	.0	.0	.2	.6	.2	.0	.4	.0	.0	.0	.4	.0	.0	1.8
210	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
240	.0	.0	1.0	.2	.0	.4	.7	.0	.0	.0	.3	.0	.0	.0	.0	.0	2.7
270	.0	.2	.2	.3	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2
300	1.6	.3	.9	.4	.7	.7	3.1	.9	.0	.0	.7	.2	.0	.0	.0	.0	9.7
330	4.9	3.0	3.0	1.8	1.2	1.9	8.2	13.9	.0	.6	1.9	.9	.0	.0	.2	.0	41.4
360	.4	1.0	1.0	.9	.2	.4	1.8	.7	.0	1.3	2.7	.0	.0	.7	.3	.0	11.6
STILLE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	8.0	7.2	9.4	5.1	2.2	8.8	15.8	16.4	0.0	11.6	7.7	1.0	0.0	6.0	.7	0.0	100.0

FORDELING PR VINDHASTIGHET

0.0- 2.0 M/S	2.0- 4.0 M/S	4.0- 6.0 M/S	OVER 6.0 M/S
29.7	43.2	20.4	6.7

FORDELING AV STABILITETSKLASSENE

10.3	33.5	33.7	22.5

ANTALL TIMER = 672, ANTALL OBSERVASJONER = 671

Tabell 13: Månedsvise nedbørmengder fra Tangen, Brevik og Jomfruland for desember 1982, januar og februar 1983.

	Tangen, Brevik					Jomfruland	
	Mengde mm	Antall timer m/nedbør	Antall registr. timer	Nedbør timer i %	Antall døgn m/nedbør	Mengde mm	% normal
Des 1982	132	108	744	14.5	15	127	132
Jan 1983	36	52	705	7.4	14	42	54
Feb 1983	49	77	337	22.8	7	58	112

VEDLEGG B

GRAFISK FRAMSTILLING AV TIDSFORLØPET AV:

TEMPERATUR (^{0}C)

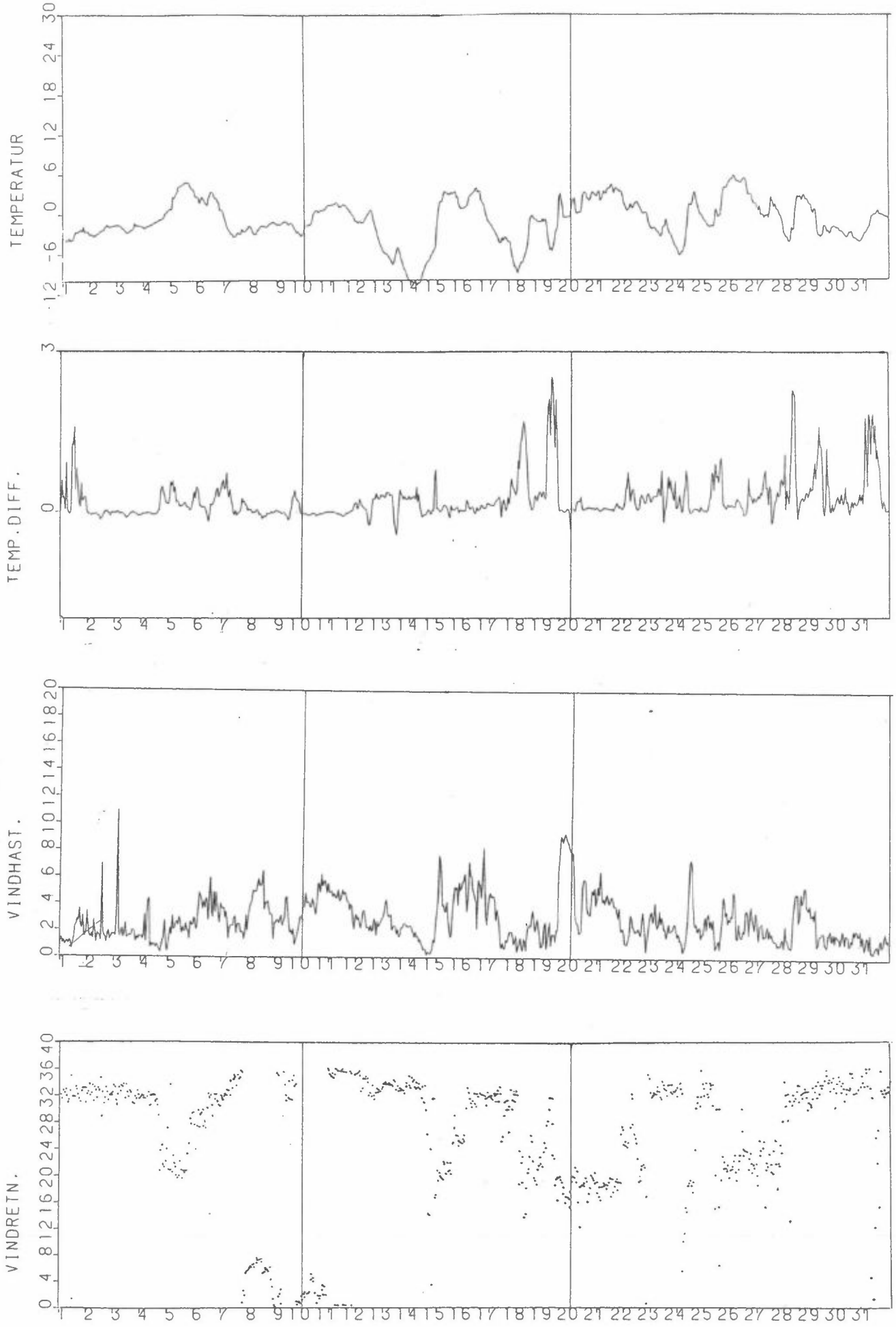
TEMPERATURDIFFERENS (25-10 M)

VINDHASTIGHET (M/S)

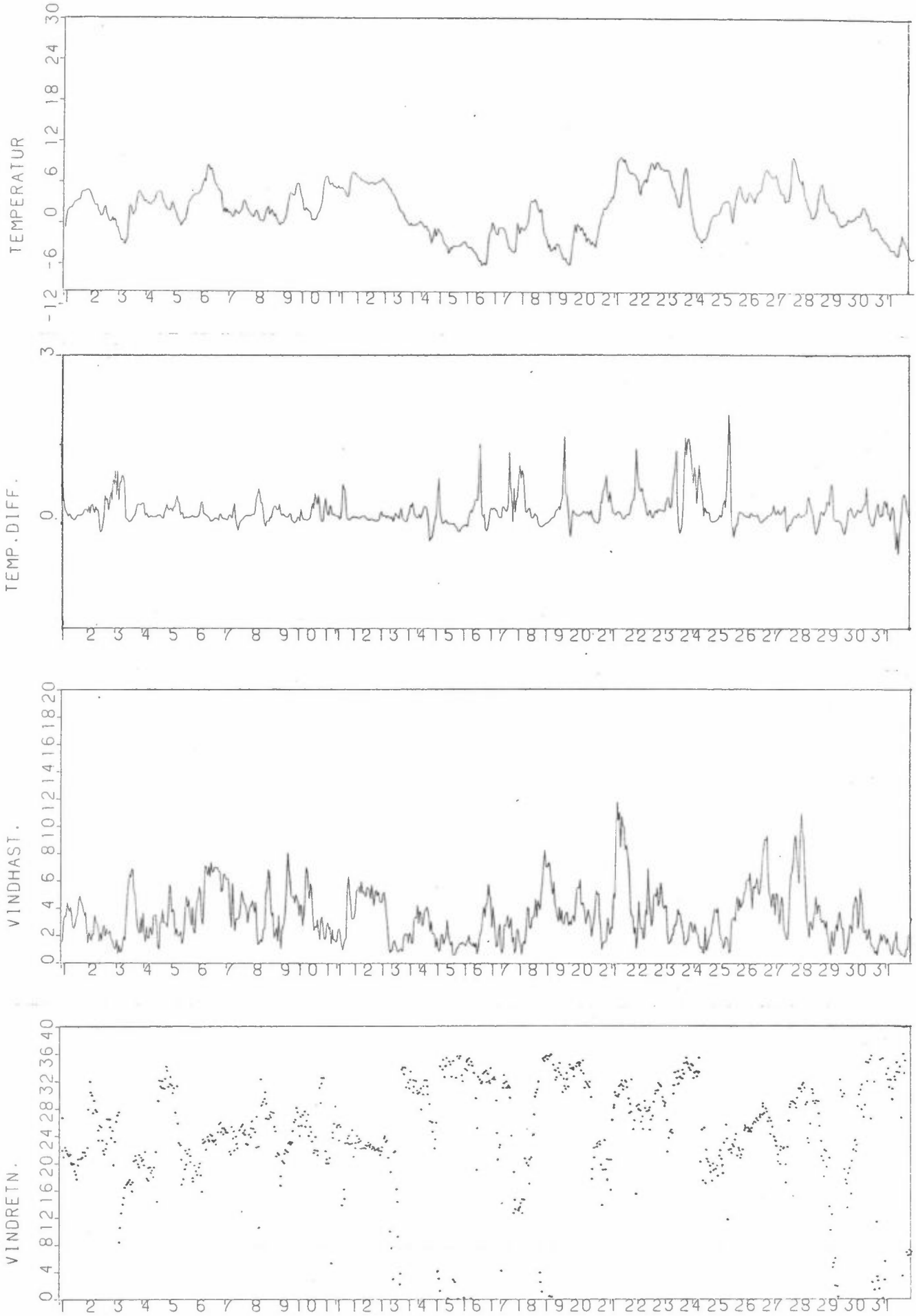
VINDRETNING (DEKAGRADER)

FOR MÅNEDENE DESEMBER 1982, JANUAR OG FEBRUAR 1983 VED ÅS.

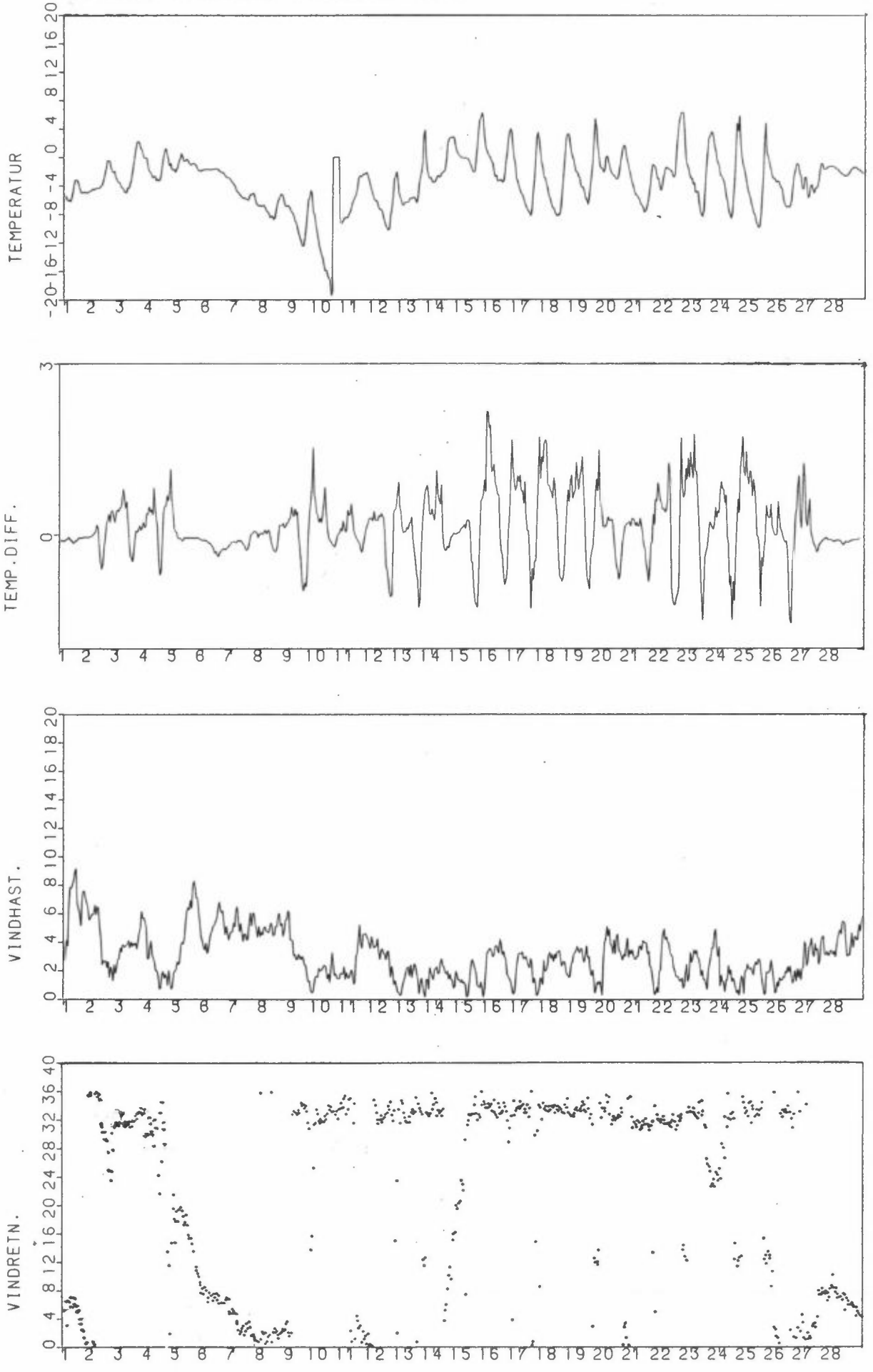
338 ÅS. PERIODE: DESEMBER 1982.



338 ÅS. PERIODE: JANUAR 1983



338 ÅS. PERIODE: FEBRUAR 1983



VEDLEGG C

LISTE OVER TIMEVISE DATA FRA NEDRE TELEMARK

1.12.82-28.2.83

FØLGENDE PARAMETRE ER GITT I DEN SYNOPTISKE LISTEN AV DATA:

T-ÅS = lufttemperatur (^{o}C) 3 m over bakken ved Ås.
DT-ÅS = temperaturforskjell (^{o}C) 25-10 m ved Ås
RH-ÅS = relativ fuktighet (%) 3 m over bakken ved Ås
F-ÅS = vindstyrke (m/s) 25 m over bakken ved Ås
D-ÅS = vindretning (dekagrader; 9 = vind fra øst, 18 = vind fra sør, osv.) 25 m over bakken ved Ås
F-HER = vindstyrke (m/s) 30 m over bakken på Herøya
D-HER = vindretning (dekagrader) på Herøya
P-TA = nedbørmåling ved Tangen, Brevik

Observasjon 99 betegner manglende data. Tallet 10 eller 20 foran vindretningsangivelsen ved Ås angir at kvaliteten av middelvindretningen over timen er dårlig.
(20-data anvendes ikke i de statistiske bearbeidelsene).

				T-BS	DT-BS	RH-BS	F-BS	D-BS	F-HER	D-HER	P-TA
1	12	82	1	-3.5	.01	.90	1.0	32.	1.5	2.	0.0
1	12	82	2	-3.7	.50	.89	1.4	32.	1.6	1.	0.0
1	12	82	3	-3.7	.25	.89	1.0	31.	1.4	1.	0.0
1	12	82	4	-3.8	.30	.89	1.3	33.	1.3	1.	0.0
1	12	82	5	-3.8	.04	.89	.8	32.	1.9	1.	0.0
1	12	82	6	-3.5	.04	.89	1.1	33.	1.6	1.	0.0
1	12	82	7	-3.7	.05	.89	1.2	32.	1.3	1.	0.0
1	12	82	8	-3.7	-.01	.91	.9	31.	1.1	1.	0.0
1	12	82	9	-3.6	-.05	.89	1.2	31.	1.5	1.	0.0
1	12	82	10	-3.4	.04	.89	1.1	33.	1.9	1.	0.0
1	12	82	11	-3.1	1.26	.89	.6	35.	1.3	1.	0.0
1	12	82	12	-2.7	1.25	.90	1.0	1.	99.0	99.	0.0
1	12	82	13	-2.5	1.60	.90	1.5	32.	1.5	1.	0.0
1	12	82	14	-2.5	.41	.91	2.3	32.	1.4	1.	0.0
1	12	82	15	-2.5	.83	.90	2.4	33.	1.8	1.	0.0
1	12	82	16	-2.4	.47	.90	2.9	33.	1.7	1.	0.0
1	12	82	17	-2.2	.20	.92	2.6	32.	1.3	1.	0.0
1	12	82	18	-2.4	.10	.80	3.6	32.	1.2	1.	0.0
1	12	82	19	-1.9	.55	.90	2.3	31.	1.1	1.	0.0
1	12	82	20	-2.8	.21	.90	2.1	33.	1.3	1.	0.0
1	12	82	21	-2.8	.25	.91	3.1	33.	1.4	1.	0.0
1	12	82	22	-2.8	.29	.90	1.7	33.	1.2	1.	0.0
1	12	82	23	-2.9	.28	.90	1.5	33.	1.1	1.	0.0
1	12	82	24	-2.7	.03	.94	2.0	31.	1.5	1.	0.0
2	12	82	1	-2.7	-.02	.93	3.4	32.	1.2	1.	0.0
2	12	82	2	-2.6	-.03	.84	2.1	33.	1.6	1.	0.0
2	12	82	3	-2.6	-.02	.97	1.6	1034.	1.2	1.	0.0
2	12	82	4	-2.7	-.06	.97	1.4	1032.	.7	31.	0.0
2	12	82	5	-2.9	-.04	.90	1.7	32.	1.4	36.	0.0
2	12	82	6	-2.8	-.03	.91	1.3	34.	1.0	1.	0.0
2	12	82	7	-2.6	-.03	.94	2.8	31.	.7	32.	0.0
2	12	82	8	-2.5	-.02	.92	1.9	33.	1.7	1.	0.0
2	12	82	9	-2.5	-.03	.92	1.1	33.	.8	1.	0.0
2	12	82	10	-2.1	-.07	.90	1.8	32.	1.4	1.	0.0
2	12	82	11	-2.0	-.05	.91	1.6	33.	2.0	1.	0.0
2	12	82	12	-2.0	-.14	.90	1.6	33.	1.8	1.	0.0
2	12	82	13	-1.9	-.11	.87	1.2	35.	1.6	1.	0.0
2	12	82	14	-1.5	-.07	.92	7.0	1029.	1.4	1.	0.0
2	12	82	15	-1.5	-.03	.92	1.9	33.	1.2	1.	0.0
2	12	82	16	-1.5	.03	.93	1.5	31.	1.0	1.	0.0
2	12	82	17	-1.5	0.00	.91	1.5	32.	1.5	1.	0.0
2	12	82	18	-1.6	.05	.94	1.0	33.	1.4	1.	0.0
2	12	82	19	-1.5	-.02	.88	1.8	33.	1.2	1.	0.0
2	12	82	20	-1.4	-.00	.92	2.0	31.	1.4	1.	0.0
2	12	82	21	-1.4	-.07	.92	1.3	32.	1.5	1.	0.0
2	12	82	22	-1.4	0.00	.92	1.5	32.	1.3	1.	0.0
2	12	82	23	-1.3	0.00	.92	1.7	32.	1.4	1.	0.0
2	12	82	24	-1.3	-.01	.92	1.6	32.	1.7	1.	0.0
3	12	82	1	-1.3	.00	.91	1.8	34.	1.5	1.	0.0
3	12	82	2	-1.3	0.00	.90	1.5	33.	1.1	1.	0.0
3	12	82	3	-1.3	0.00	.94	3.3	31.	1.3	1.	0.0
3	12	82	4	-1.0	.03	.95	11.0	1031.	1.4	33.	0.0
3	12	82	5	-1.6	-.02	.90	2.2	32.	1.2	33.	0.0
3	12	82	6	-1.8	-.02	.91	1.5	33.	1.1	33.	0.0
3	12	82	7	-1.9	-.01	.91	1.8	33.	1.2	33.	0.0
3	12	82	8	-2.0	-.02	.90	2.2	33.	1.3	34.	0.0
3	12	82	9	-2.3	-.04	.92	1.5	33.	1.5	36.	0.0
3	12	82	10	-2.4	-.06	.90	1.9	34.	1.4	34.	0.0
3	12	82	11	-2.1	-.10	.74	2.6	32.	1.4	36.	0.0
3	12	82	12	-2.1	-.09	.90	1.4	34.	1.0	35.	0.0
3	12	82	13	-2.0	-.07	.90	1.6	32.	.9	36.	0.0
3	12	82	14	-1.9	-.05	.90	1.7	32.	1.1	1.	0.0
3	12	82	15	-2.0	-.02	.90	1.6	33.	1.0	1.	0.0
3	12	82	16	-1.9	-.01	.85	1.7	32.	1.4	1.	0.0
3	12	82	17	-1.6	.01	.90	2.0	2032.	.9	2.	0.0
3	12	82	18	-1.3	-.01	.92	2.0	31.	1.0	2.	0.0
3	12	82	19	-1.3	-.02	.92	2.0	31.	1.4	2.	0.0
3	12	82	20	-1.2	-.02	.92	1.2	32.	1.6	2.	0.0
3	12	82	21	-1.4	-.05	.90	1.5	32.	1.6	2.	0.0
3	12	82	22	-1.4	-.07	.90	1.3	33.	1.4	1.	0.0
3	12	82	23	-1.4	-.05	.90	1.6	32.	1.4	1.	0.0
3	12	82	24	-1.5	-.05	.90	1.5	32.	1.4	1.	0.0

				T-RS	DT-RS	RH-RS	F-RS	D-RS	F-HER	D-HER	P-TA
4	12	82	1	-1.6	-.05	.92	1.4	32.	1.5	1.	0.0
4	12	82	2	-1.6	-.02	.90	1.4	32.	1.5	2.	0.0
4	12	82	3	-1.6	-.03	.92	1.7	32.	1.5	2.	0.0
4	12	82	4	-1.4	-.02	.92	3.2	32.	1.4	2.	0.0
4	12	82	5	-1.4	-.03	.92	1.2	31.	1.5	1.	0.0
4	12	82	6	-1.4	0.00	.81	3.2	2032.	1.5	1.	0.0
4	12	82	7	-1.6	-.02	.51	4.2	32.	1.7	1.	0.0
4	12	82	8	-1.2	-.02	.82	4.5	33.	1.8	1.	0.0
4	12	82	9	-1.1	-.01	.90	.7	30.	1.3	1.	0.0
4	12	82	10	-.9	-.05	.90	1.1	32.	2.0	1.	0.0
4	12	82	11	-.8	-.05	.90	.8	32.	1.7	1.	0.0
4	12	82	12	-.8	-.04	.90	1.0	32.	1.7	1.	0.0
4	12	82	13	-.7	-.04	.90	.9	32.	1.8	1.	0.0
4	12	82	14	-.6	-.05	.90	.7	31.	1.6	1.	0.0
4	12	82	15	-.5	-.01	.90	1.0	31.	1.6	1.	0.0
4	12	82	16	-.5	.03	.92	.8	31.	1.8	1.	0.0
4	12	82	17	-.4	.06	.90	.6	29.	1.5	1.	0.0
4	12	82	18	-.4	.35	.92	.4	21.	1.2	1.	0.0
4	12	82	19	-.3	.48	.92	.9	24.	.5	1.	0.0
4	12	82	20	.1	.47	.90	1.3	25.	1.1	2.	0.0
4	12	82	21	.0	.34	.89	1.5	22.	1.4	38.	0.0
4	12	82	22	.5	.26	.89	2.8	21.	1.7	18.	0.0
4	12	82	23	.6	.17	.84	1.3	22.	1.5	17.	0.0
4	12	82	24	.6	.16	.90	.5	24.	1.3	38.	.1
5	12	82	1	.8	.15	.89	.9	27.	1.9	1.	.1
5	12	82	2	.8	.27	.92	1.6	1021.	2.2	1.	.1
5	12	82	3	2.1	.57	.94	2.2	1034.	2.2	1.	0.0
5	12	82	4	2.3	.49	.95	1.7	1021.	2.2	1.	.1
5	12	82	5	2.6	.59	.92	3.1	21.	1.9	1.	0.0
5	12	82	6	3.1	.37	.92	2.1	23.	1.9	1.	0.0
5	12	82	7	3.0	.48	.91	2.2	22.	1.6	1.	0.0
5	12	82	8	4.1	.19	.91	2.6	21.	1.4	36.	.3
5	12	82	9	4.2	.21	.90	2.7	20.	1.1	38.	1.7
5	12	82	10	4.2	.18	.91	2.4	20.	1.4	16.	1.1
5	12	82	11	4.4	.11	.91	3.1	20.	2.0	17.	.6
5	12	82	12	4.3	.11	.90	2.7	22.	1.1	17.	1.3
5	12	82	13	4.6	.11	.91	1.8	21.	1.1	14.	2.0
5	12	82	14	4.8	.14	.91	2.3	20.	1.2	36.	1.0
5	12	82	15	5.0	.15	.92	1.9	21.	1.0	8.	2.0
5	12	82	16	4.6	.19	.92	2.0	20.	1.2	14.	1.0
5	12	82	17	4.8	.11	.92	2.6	21.	1.9	17.	0.0
5	12	82	18	4.5	.09	.92	2.0	21.	1.6	18.	0.0
5	12	82	19	4.1	.09	.92	2.1	23.	1.5	19.	0.0
5	12	82	20	3.9	.04	.92	1.4	25.	1.6	23.	0.0
5	12	82	21	3.8	.05	.90	2.7	29.	2.1	26.	0.0
5	12	82	22	3.4	.12	.90	2.5	28.	2.5	25.	0.0
5	12	82	23	2.7	.22	.89	2.4	29.	2.8	29.	0.0
5	12	82	24	2.3	.39	.85	3.0	29.	1.1	31.	0.0
6	12	82	1	2.7	.25	.75	2.9	28.	1.0	28.	0.0
6	12	82	2	2.2	.46	.77	2.1	24.	1.3	21.	0.0
6	12	82	3	1.4	.46	.81	2.3	27.	2.1	24.	0.0
6	12	82	4	1.9	.36	.76	3.8	30.	3.0	25.	0.0
6	12	82	5	2.8	.13	.70	4.9	27.	2.7	25.	0.0
6	12	82	6	2.6	.10	.70	4.6	29.	4.1	26.	0.0
6	12	82	7	2.1	.09	.74	4.3	29.	3.7	26.	0.0
6	12	82	8	1.7	.10	.76	3.6	30.	3.6	26.	0.0
6	12	82	9	1.3	.11	.77	4.2	27.	4.2	25.	0.0
6	12	82	10	1.6	.07	.77	3.7	28.	3.7	25.	0.0
6	12	82	11	2.4	-.01	.68	4.4	27.	3.5	25.	0.0
6	12	82	12	2.8	-.08	.66	4.3	30.	3.6	26.	0.0
6	12	82	13	3.7	-.18	.58	2.8	32.	1.9	36.	0.0
6	12	82	14	3.3	-.02	.62	4.7	32.	3.2	31.	0.0
6	12	82	15	3.2	.16	.57	6.0	32.	4.7	30.	0.0
6	12	82	16	2.5	.12	.58	3.4	30.	6.2	31.	0.0
6	12	82	17	2.2	.16	.61	3.0	29.	2.0	27.	0.0
6	12	82	18	2.2	.24	.53	5.0	32.	3.0	29.	0.0
6	12	82	19	1.7	.29	.55	3.4	31.	1.6	29.	0.0
6	12	82	20	1.5	.41	.60	4.9	32.	1.5	30.	0.0
6	12	82	21	.4	.46	.64	3.9	31.	3.1	31.	0.0
6	12	82	22	.6	.27	.60	3.3	30.	2.6	30.	0.0
6	12	82	23	.3	.36	.60	2.4	30.	2.1	25.	0.0
6	12	82	24	-.1	.43	.65	4.1	32.	1.6	31.	0.0

				T-AS	DT-AS	RH-AS	F-AS	D-AS	F-HER	D-HER	P-TA
28	2	83	1	-1.3	-.10	.98	3.7	8.	4.6	4.	.3
28	2	83	2	-1.5	-.11	.98	4.3	8.	5.4	3.	.2
28	2	83	3	-1.8	-.11	.96	4.7	8.	5.8	4.	.4
28	2	83	4	-1.9	-.10	.95	4.9	8.	6.2	3.	.2
28	2	83	5	-2.1	-.09	.95	4.6	7.	6.4	3.	.1
28	2	83	6	-2.1	-.09	.95	5.5	7.	6.6	3.	0.0
28	2	83	7	-2.3	-.10	.95	5.5	7.	6.2	2.	.1
28	2	83	8	-2.4	-.10	.95	5.4	7.	6.1	2.	.2
28	2	83	9	-2.4	-.13	.95	4.1	8.	5.0	1.	.2
28	2	83	10	-2.4	-.17	.97	3.1	7.	4.8	1.	.9
28	2	83	11	-2.1	-.16	.95	3.2	5.	5.3	1.	.2
28	2	83	12	-1.9	-.12	.93	3.1	7.	4.5	3.	.1
28	2	83	13	-1.6	-.11	.92	3.9	6.	5.4	2.	0.0
28	2	83	14	-1.4	-.14	.94	4.7	6.	5.2	1.	0.0
28	2	83	15	-1.3	-.11	.95	3.7	6.	5.8	1.	.1
28	2	83	16	-1.2	-.11	.94	4.3	6.	6.3	2.	.1
28	2	83	17	-1.2	-.09	.92	4.5	6.	7.3	2.	0.0
28	2	83	18	-1.4	-.09	.90	4.2	6.	8.0	2.	.2
28	2	83	19	-1.6	-.09	.90	4.3	6.	7.7	2.	0.0
28	2	83	20	-1.6	-.08	.88	5.3	4.	7.8	1.	0.0
28	2	83	21	-1.7	-.08	.86	4.8	5.	7.4	1.	0.0
28	2	83	22	-1.9	-.09	.86	5.4	5.	8.0	2.	0.0
28	2	83	23	-2.0	-.06	.85	5.8	4.	8.1	1.	0.0
28	2	83	24	-2.1	-.06	.84	5.8	4.	7.4	1.	0.0

				T-RS	DT-RS	RH-RS	F-RS	D-RS	F-HER	D-HER	P-TA
19	12	82	1	-1.3	.38	.87	2.6	25.	2.3	36.	0.0
19	12	82	2	-1.3	.24	.89	2.8	24.	3.2	36.	0.0
19	12	82	3	-2.7	.34	.97	.7	27.	2.6	36.	0.0
19	12	82	4	-3.9	1.49	.98	1.4	28.	2.4	36.	0.0
19	12	82	5	-5.4	1.99	.98	2.3	30.	2.4	36.	0.0
19	12	82	6	-6.2	2.12	.98	2.8	32.	2.1	36.	0.0
19	12	82	7	-6.5	1.43	.98	1.0	32.	2.2	36.	0.0
19	12	82	8	-6.7	2.53	.97	1.9	28.	1.7	36.	0.0
19	12	82	9	-6.1	2.48	.98	1.7	23.	1.7	36.	0.0
19	12	82	10	-4.8	1.83	.98	1.9	23.	1.7	36.	0.0
19	12	82	11	-3.8	1.20	.98	1.3	19.	1.5	36.	0.0
19	12	82	12	-3.6	2.11	.98	2.2	19.	1.3	36.	0.0
19	12	82	13	-2.2	1.33	.97	2.2	16.	1.1	36.	.1
19	12	82	14	2.3	.19	.87	6.5	20.	4.8	18.	0.0
19	12	82	15	3.2	.01	.84	7.7	20.	6.8	18.	0.0
19	12	82	16	2.1	.03	.88	9.2	19.	7.7	17.	.3
19	12	82	17	1.2	.03	.88	9.0	19.	8.8	16.	.7
19	12	82	18	-.3	.01	.99	8.7	17.	7.3	16.	1.7
19	12	82	19	-.4	-.00	.97	9.1	18.	7.3	16.	1.1
19	12	82	20	-.4	-.01	.96	9.4	16.	7.2	16.	1.2
19	12	82	21	-.3	.02	.96	9.0	17.	6.8	16.	1.2
19	12	82	22	-.3	.05	.97	8.8	17.	5.8	16.	4.0
19	12	82	23	-.3	.04	.97	8.5	17.	4.7	16.	4.0
19	12	82	24	-.2	-.03	.98	8.2	15.	4.6	15.	4.2
20	12	82	1	.6	-.33	.97	8.0	17.	5.5	16.	7.0
20	12	82	2	1.6	.06	.98	7.9	19.	6.0	18.	9.5
20	12	82	3	2.2	.05	.97	7.9	20.	4.8	18.	.1
20	12	82	4	2.4	.06	.98	6.1	20.	4.0	20.	2.3
20	12	82	5	.4	.01	.97	3.3	21.	2.0	16.	4.2
20	12	82	6	.0	.15	.97	2.7	19.	1.7	19.	.1
20	12	82	7	.1	.20	.95	2.6	21.	1.7	16.	0.0
20	12	82	8	.2	.21	.95	2.0	16.	1.7	13.	.1
20	12	82	9	.2	.19	.96	1.9	12.	1.6	11.	1.1
20	12	82	10	.7	.30	.96	2.2	1018.	2.3	16.	2.0
20	12	82	11	2.7	.08	.94	5.3	19.	4.8	17.	.1
20	12	82	12	3.2	.03	.93	5.9	19.	4.9	17.	.3
20	12	82	13	3.3	.05	.92	6.0	19.	4.8	17.	.4
20	12	82	14	3.0	.07	.95	5.7	20.	3.6	17.	1.3
20	12	82	15	2.3	.05	.96	3.9	19.	2.4	17.	3.5
20	12	82	16	2.2	.10	.95	3.5	16.	2.5	15.	-1.3
20	12	82	17	2.0	.06	.97	3.4	17.	2.2	16.	3.1
20	12	82	18	2.3	.10	.95	3.3	18.	2.8	16.	2.3
20	12	82	19	3.0	.06	.95	4.5	20.	3.6	18.	1.0
20	12	82	20	3.3	.06	.93	5.2	20.	4.8	18.	.1
20	12	82	21	2.9	.08	.94	4.9	19.	3.9	19.	1.0
20	12	82	22	2.9	.06	.94	5.4	20.	3.4	20.	1.7
20	12	82	23	2.6	.05	.95	4.0	19.	3.2	19.	.7
20	12	82	24	2.6	.09	.96	4.4	19.	2.8	18.	.6
21	12	82	1	3.3	.06	.93	5.4	17.	3.7	14.	0.0
21	12	82	2	3.4	.03	.90	4.8	17.	4.0	16.	0.0
21	12	82	3	2.1	.01	.96	6.6	16.	5.4	15.	3.8
21	12	82	4	2.3	.05	.98	5.1	18.	3.5	16.	1.0
21	12	82	5	2.9	.03	.97	4.3	18.	3.0	16.	.2
21	12	82	6	3.4	.08	.96	4.5	19.	3.4	17.	0.0
21	12	82	7	3.1	.07	.96	4.1	19.	3.1	17.	.3
21	12	82	8	2.9	.06	.97	4.7	19.	2.4	17.	3.1
21	12	82	9	3.7	.08	.96	4.9	18.	3.5	17.	0.0
21	12	82	10	3.9	.05	.95	4.4	18.	4.1	17.	.1
21	12	82	11	3.7	.06	.96	4.1	19.	3.0	17.	0.0
21	12	82	12	4.2	.05	.95	4.4	19.	3.2	17.	0.0
21	12	82	13	4.5	.03	.94	4.7	17.	4.0	16.	0.0
21	12	82	14	3.8	.06	.96	4.6	19.	2.6	16.	1.3
21	12	82	15	3.2	.01	.98	4.0	17.	2.8	16.	1.2
21	12	82	16	3.8	.08	.99	4.0	18.	2.4	18.	.8
21	12	82	17	3.9	.11	.98	3.9	19.	1.9	15.	4.4
21	12	82	18	3.5	.18	.96	3.5	19.	1.8	15.	2.1
21	12	82	19	3.6	.13	.97	3.1	18.	2.4	16.	.4
21	12	82	20	3.3	.08	.97	3.8	19.	2.1	17.	1.8
21	12	82	21	3.5	.11	.99	2.4	19.	1.5	21.	.3
21	12	82	22	3.2	.06	.99	2.1	26.	2.2	25.	.5
21	12	82	23	2.6	.05	.97	2.4	27.	2.3	24.	0.0
21	12	82	24	1.7	.08	.97	2.1	27.	2.0	24.	0.0

				T-RS	DT-RS	RH-RS	F-RS	D-RS	F-HER	D-HER	P-TA
22	12	82	1	1.1	.16	.97	1.2	25.	1.4	25.	0.0
22	12	82	2	.3	.43	.99	1.1	24.	.9	29.	0.0
22	12	82	3	-.1	.49	.99	1.1	25.	.6	12.	0.0
22	12	82	4	.0	.76	.99	1.5	24.	.7	17.	0.0
22	12	82	5	.2	.51	.94	1.9	25.	1.3	21.	0.0
22	12	82	6	1.4	.20	.83	3.4	27.	2.5	27.	0.0
22	12	82	7	.6	.36	.87	3.1	32.	2.1	36.	0.0
22	12	82	8	.3	.43	.89	2.4	31.	1.4	36.	0.0
22	12	82	9	.9	.42	.83	2.4	28.	.7	2.	0.0
22	12	82	10	1.5	.18	.74	2.0	26.	.6	8.	0.0
22	12	82	11	1.6	.11	.72	2.1	25.	.9	26.	0.0
22	12	82	12	1.6	.05	.69	2.1	25.	1.4	24.	0.0
22	12	82	13	1.1	.05	.69	2.4	22.	1.8	17.	0.0
22	12	82	14	.8	.07	.71	2.0	19.	1.9	18.	0.0
22	12	82	15	.3	.28	.75	1.8	19.	1.9	16.	0.0
22	12	82	16	-.1	.33	.76	2.7	21.	2.0	15.	0.0
22	12	82	17	-.3	.28	.78	3.6	21.	1.7	16.	0.0
22	12	82	18	-.0	.22	.80	2.7	21.	1.6	13.	0.0
22	12	82	19	.0	.17	.81	1.8	21.	1.6	15.	0.0
22	12	82	20	-.2	.18	.87	.6	1017.	2.0	38.	0.0
22	12	82	21	-1.0	.31	.93	1.4	1.	2.0	1.	0.0
22	12	82	22	-1.7	.36	.95	2.2	35.	2.5	1.	0.0
22	12	82	23	-2.1	.30	.96	3.1	34.	1.8	1.	0.0
22	12	82	24	-2.3	.20	.98	3.5	32.	1.2	1.	0.0
23	12	82	1	-2.5	.19	.99	3.4	32.	1.2	3.	0.0
23	12	82	2	-2.6	.28	.96	2.8	32.	1.7	1.	0.0
23	12	82	3	-2.4	.29	.94	3.3	32.	1.6	36.	0.0
23	12	82	4	-2.3	.29	.93	4.3	32.	2.0	38.	0.0
23	12	82	5	-2.8	.30	.93	2.8	32.	1.6	36.	0.0
23	12	82	6	-3.1	.30	.96	2.4	32.	2.2	2.	0.0
23	12	82	7	-3.3	.45	.94	2.6	33.	1.5	1.	0.0
23	12	82	8	-3.5	.43	.96	3.7	32.	1.8	1.	0.0
23	12	82	9	-3.8	.30	.98	2.7	32.	1.4	1.	0.0
23	12	82	10	-3.4	.79	.97	3.3	31.	1.6	32.	0.0
23	12	82	11	-2.1	.34	.92	2.8	34.	2.3	1.	0.0
23	12	82	12	-1.9	-.19	.88	2.2	33.	2.3	1.	0.0
23	12	82	13	-1.5	.02	.88	2.3	33.	1.4	1.	0.0
23	12	82	14	-1.1	.13	.87	1.6	33.	.9	1.	0.0
23	12	82	15	-1.9	.39	.92	2.1	32.	1.3	1.	0.0
23	12	82	16	-2.8	.67	.98	2.7	33.	1.4	1.	0.0
23	12	82	17	-3.4	.43	.99	2.1	33.	2.0	1.	0.0
23	12	82	18	-3.6	.61	.99	2.1	32.	2.0	36.	0.0
23	12	82	19	-3.8	.39	1.00	2.2	33.	1.6	1.	0.0
23	12	82	20	-4.3	.32	1.00	2.3	32.	1.4	1.	0.0
23	12	82	21	-4.7	.22	1.00	2.7	32.	2.0	1.	0.0
23	12	82	22	-5.0	.59	1.00	2.7	32.	1.7	1.	0.0
23	12	82	23	-5.1	.06	1.00	2.1	33.	1.4	1.	0.0
23	12	82	24	-5.4	.08	.99	1.7	33.	1.3	1.	0.0
24	12	82	1	-5.9	.13	.98	2.0	32.	1.1	1.	0.0
24	12	82	2	-6.6	.32	.97	1.4	34.	1.7	1.	0.0
24	12	82	3	-6.5	.18	.96	1.5	33.	1.5	1.	0.0
24	12	82	4	-5.8	0.00	.97	1.1	32.	1.5	1.	0.0
24	12	82	5	-5.6	.01	.97	.5	1005.	1.4	1.	0.0
24	12	82	6	-5.2	.35	.97	.7	1010.	1.9	1.	0.0
24	12	82	7	-4.6	.48	.98	1.1	1011.	2.3	1.	0.0
24	12	82	8	-3.2	.79	.99	1.8	15.	2.2	1.	.5
24	12	82	9	-1.9	.59	1.00	2.8	14.	1.5	1.	.7
24	12	82	10	.7	.13	1.00	4.9	18.	3.2	38.	.2
24	12	82	11	1.5	.02	.98	7.2	19.	5.5	18.	2.2
24	12	82	12	1.4	-.03	.98	7.5	19.	6.3	17.	1.7
24	12	82	13	1.4	-.02	.98	6.7	18.	5.3	17.	2.5
24	12	82	14	2.3	.03	.99	4.8	17.	3.5	17.	1.4
24	12	82	15	3.0	.05	1.00	2.8	19.	1.8	17.	.1
24	12	82	16	5.2	.06	1.00	2.5	24.	2.1	24.	0.0
24	12	82	17	2.3	.05	.98	2.7	30.	2.0	26.	0.0
24	12	82	18	1.5	.05	.99	2.1	31.	2.0	33.	0.0
24	12	82	19	.8	.02	.99	2.4	32.	2.3	34.	0.0
24	12	82	20	.3	-.00	1.00	2.5	30.	1.8	27.	0.0
24	12	82	21	-.2	.11	1.00	1.6	36.	1.6	34.	0.0
24	12	82	22	-.1	.05	1.00	2.0	32.	1.1	38.	0.0
24	12	82	23	-.6	.03	1.00	1.9	34.	2.4	1.	0.0
24	12	82	24	-.9	.01	1.00	2.8	33.	1.8	33.	0.0

				T-RS	DT-RS	RH-RS	F-RS	D-RS	F-HER	D-HER	P-TA
25	12	82	1	-1.0	.02	1.00	3.2	32.	2.2	1.	0.0
25	12	82	2	-1.3	.01	1.00	2.3	34.	2.7	1.	0.0
25	12	82	3	-1.6	.02	1.00	3.3	32.	2.1	1.	0.0
25	12	82	4	-1.9	.10	.98	3.5	32.	2.1	1.	0.0
25	12	82	5	-2.1	.23	.98	2.5	34.	2.5	1.	0.0
25	12	82	6	-2.1	.28	.98	3.0	33.	2.6	1.	0.0
25	12	82	7	-2.2	.74	.98	2.3	33.	1.9	1.	0.0
25	12	82	8	-2.1	.69	.98	3.1	34.	2.0	1.	0.0
25	12	82	9	-2.0	.40	.98	2.0	30.	1.3	38.	0.0
25	12	82	10	-1.6	.91	.98	.8	1015.	.7	38.	0.0
25	12	82	11	-.2	.64	.97	1.0	20.	.9	3.	0.0
25	12	82	12	-.1	.69	.98	1.3	1030.	2.1	1.	0.0
25	12	82	13	-.4	.55	.98	1.5	30.	2.2	1.	0.0
25	12	82	14	-.3	.85	.98	.8	1006.	1.5	1.	0.0
25	12	82	15	-.3	1.01	.99	2.1	16.	.6	17.	0.0
25	12	82	16	.9	.73	.96	3.0	19.	.9	18.	0.0
25	12	82	17	2.9	.17	.91	4.7	23.	1.5	21.	0.0
25	12	82	18	3.8	.10	.90	4.3	22.	1.5	21.	0.0
25	12	82	19	3.9	.08	.96	3.3	21.	2.4	18.	0.0
25	12	82	20	3.8	.05	1.00	3.7	21.	1.9	16.	0.0
25	12	82	21	4.1	.13	1.00	2.7	21.	2.8	17.	0.0
25	12	82	22	4.4	.11	1.00	3.1	21.	3.0	17.	0.0
25	12	82	23	4.8	.10	.99	2.9	20.	2.8	17.	0.0
25	12	82	24	5.0	.10	.99	3.3	21.	2.9	17.	0.0
26	12	82	1	5.0	.13	.99	3.2	21.	1.9	16.	0.0
26	12	82	2	5.1	.10	.97	5.1	21.	1.9	16.	0.0
26	12	82	3	5.6	.08	.97	4.8	22.	2.2	18.	0.0
26	12	82	4	5.6	.09	.96	3.3	23.	2.4	18.	0.0
26	12	82	5	5.0	.20	.97	1.7	20.	2.8	18.	0.0
26	12	82	6	4.6	.25	.97	1.5	19.	2.3	17.	0.0
26	12	82	7	4.8	.20	.97	2.8	21.	1.9	19.	0.0
26	12	82	8	4.6	.19	.96	1.9	22.	1.7	22.	0.0
26	12	82	9	4.7	.10	.96	1.7	23.	2.2	22.	0.0
26	12	82	10	4.5	.08	.93	1.7	30.	2.5	25.	0.0
26	12	82	11	5.0	.05	.86	2.3	27.	1.1	25.	0.0
26	12	82	12	4.8	-.07	.79	2.0	23.	1.5	23.	0.0
26	12	82	13	5.2	-.05	.66	3.6	24.	1.2	29.	0.0
26	12	82	14	5.0	-.05	.64	3.7	24.	1.1	29.	0.0
26	12	82	15	3.9	.14	.71	3.3	23.	2.1	23.	0.0
26	12	82	16	2.1	.64	.81	1.9	21.	1.9	19.	0.0
26	12	82	17	2.5	.30	.73	3.5	23.	2.0	18.	0.0
26	12	82	18	2.7	.30	.72	4.0	23.	1.3	24.	0.0
26	12	82	19	2.5	.25	.72	3.1	22.	1.8	19.	0.0
26	12	82	20	2.0	.16	.78	2.7	20.	2.6	18.	0.0
26	12	82	21	1.3	.26	.83	2.3	22.	2.3	18.	0.0
26	12	82	22	1.3	.21	.83	3.5	21.	2.4	18.	0.0
26	12	82	23	1.4	.19	.82	3.4	22.	2.1	18.	0.0
26	12	82	24	1.1	.25	.84	2.3	20.	1.5	19.	0.0
27	12	82	1	.5	.30	.82	1.5	19.	1.7	23.	0.0
27	12	82	2	.4	.25	.80	2.6	25.	.8	28.	0.0
27	12	82	3	.8	.36	.82	2.7	23.	1.8	23.	0.0
27	12	82	4	-.7	.31	.84	2.7	24.	2.1	38.	0.0
27	12	82	5	-.7	.52	.91	1.7	1024.	2.1	36.	0.0
27	12	82	6	-.9	.67	.90	1.8	25.	1.7	1.	0.0
27	12	82	7	-1.3	.77	.95	1.8	1015.	2.2	36.	0.0
27	12	82	8	-.8	.42	.92	2.3	21.	1.1	1.	0.0
27	12	82	9	-1.0	.46	.92	2.6	22.	1.2	3.	0.0
27	12	82	10	-.5	.14	.90	1.7	21.	2.0	36.	0.0
27	12	82	11	-.9	.49	.94	2.3	23.	1.8	36.	0.0
27	12	82	12	.2	.39	.90	1.7	1022.	1.2	36.	0.0
27	12	82	13	2.4	-.23	.80	2.0	20.	1.3	36.	0.0
27	12	82	14	1.9	-.19	.85	1.5	20.	1.3	28.	0.0
27	12	82	15	1.1	.05	.87	1.4	24.	2.2	36.	0.0
27	12	82	16	.6	.19	.89	1.4	25.	1.7	34.	0.0
27	12	82	17	1.2	.22	.86	1.4	22.	2.4	36.	0.0
27	12	82	18	.4	.38	.95	1.0	18.	1.4	38.	0.0
27	12	82	19	.2	.29	.99	1.2	22.	2.0	36.	0.0
27	12	82	20	-.2	.32	.98	1.0	21.	1.8	34.	.2
27	12	82	21	-.8	.58	.99	1.1	24.	1.6	36.	0.0
27	12	82	22	-1.1	.61	.97	1.6	23.	2.2	34.	0.0
27	12	82	23	-1.5	.49	.97	1.5	28.	2.8	1.	0.0
27	12	82	24	-2.3	.56	1.00	.9	34.	2.4	1.	0.0

				T-RS	DT-RS	RH-RS	F-RS	D-RS	F-HER	D-HER	P-TA
28	12	82	1	-3.2	1.08	1.00	2.6	30.	1.5	1.	0.0
28	12	82	2	-3.2	.03	1.00	1.6	32.	1.6	1.	0.0
28	12	82	3	-3.8	.40	1.00	1.5	1032.	2.2	1.	0.0
28	12	82	4	-3.8	.26	.99	1.1	28.	1.0	1.	0.0
28	12	82	5	-4.2	.14	1.00	.9	1031.	1.6	1.	0.0
28	12	82	6	-4.7	.71	.99	1.0	1013.	1.1	1.	0.0
28	12	82	7	-4.5	1.23	.99	.8	1030.	1.0	1.	0.0
28	12	82	8	-3.5	2.29	.97	3.1	32.	1.2	1.	0.0
28	12	82	9	-3.4	2.23	.94	4.1	31.	1.2	1.	0.0
28	12	82	10	-3.0	2.14	.94	5.0	32.	1.0	33.	0.0
28	12	82	11	-.7	.60	.82	4.8	32.	1.2	33.	0.0
28	12	82	12	1.5	.15	.63	5.0	33.	3.7	31.	0.0
28	12	82	13	2.6	-.15	.54	2.8	33.	2.4	32.	0.0
28	12	82	14	2.1	.05	.56	3.0	31.	3.6	31.	0.0
28	12	82	15	2.3	.18	.52	5.0	32.	2.8	32.	0.0
28	12	82	16	2.1	.22	.51	4.2	32.	2.5	32.	0.0
28	12	82	17	1.6	.26	.56	4.5	32.	5.5	31.	0.0
28	12	82	18	2.4	.19	.54	5.4	33.	5.2	31.	0.0
28	12	82	19	2.5	.23	.55	5.5	32.	3.6	31.	0.0
28	12	82	20	1.6	.35	.57	4.0	32.	2.4	32.	0.0
28	12	82	21	1.7	.35	.56	3.9	32.	1.4	38.	0.0
28	12	82	22	1.8	.26	.56	3.7	30.	2.2	22.	0.0
28	12	82	23	1.2	.36	.60	4.1	31.	3.2	32.	0.0
28	12	82	24	.8	.46	.61	3.3	31.	2.0	33.	0.0
29	12	82	1	1.0	.38	.59	3.3	30.	1.3	5.	0.0
29	12	82	2	-.1	.41	.62	3.5	31.	2.0	22.	0.0
29	12	82	3	-.7	.47	.66	3.0	33.	1.4	34.	0.0
29	12	82	4	-.2	.90	.66	3.9	32.	.8	10.	0.0
29	12	82	5	-.4	.61	.69	2.3	33.	1.5	34.	0.0
29	12	82	6	-2.0	.89	.81	1.0	32.	1.0	35.	0.0
29	12	82	7	-3.5	1.17	.94	1.2	34.	1.4	1.	0.0
29	12	82	8	-3.9	1.59	.97	1.8	32.	1.5	1.	0.0
29	12	82	9	-4.1	1.22	.93	1.8	33.	1.4	1.	0.0
29	12	82	10	-4.1	1.19	.97	1.9	33.	1.6	35.	0.0
29	12	82	11	-3.3	.80	.95	2.1	33.	1.6	36.	0.0
29	12	82	12	-3.0	.01	.93	2.0	34.	1.5	36.	0.0
29	12	82	13	-1.7	-.08	.86	1.2	34.	1.6	1.	0.0
29	12	82	14	-1.7	.14	.87	1.1	36.	1.5	1.	0.0
29	12	82	15	-2.5	1.18	.90	.9	35.	1.1	1.	0.0
29	12	82	16	-3.0	.50	.94	1.9	34.	1.5	1.	0.0
29	12	82	17	-2.6	.45	.92	2.0	34.	1.6	1.	0.0
29	12	82	18	-3.2	-.01	.92	2.3	33.	1.2	1.	0.0
29	12	82	19	-2.8	-.03	.91	1.5	34.	1.1	2.	0.0
29	12	82	20	-2.1	.14	.90	1.5	34.	2.0	2.	0.0
29	12	82	21	-2.1	-.00	.87	2.0	33.	1.7	1.	0.0
29	12	82	22	-2.0	.06	.90	1.3	30.	1.2	2.	0.0
29	12	82	23	-2.3	.14	.92	2.0	32.	.7	1.	0.0
29	12	82	24	-2.6	.22	.94	1.7	34.	1.3	1.	0.0
30	12	82	1	-2.5	.28	.90	1.7	35.	1.4	1.	0.0
30	12	82	2	-2.5	.18	.90	1.6	34.	.9	1.	0.0
30	12	82	3	-2.8	.13	.96	1.2	32.	1.9	1.	0.0
30	12	82	4	-3.0	.33	.97	1.7	33.	1.9	1.	0.0
30	12	82	5	-2.8	.22	.94	2.3	34.	2.4	1.	0.0
30	12	82	6	-2.9	.12	.94	2.0	33.	1.0	38.	0.0
30	12	82	7	-3.5	.24	.98	1.2	31.	1.3	38.	0.0
30	12	82	8	-3.7	.46	.98	1.9	32.	1.3	2.	0.0
30	12	82	9	-3.8	.14	.99	1.8	33.	1.7	1.	0.0
30	12	82	10	-3.8	.19	1.00	1.8	33.	1.5	1.	0.0
30	12	82	11	-3.3	.00	.99	1.1	35.	.8	1.	0.0
30	12	82	12	-2.9	-.07	.97	1.1	33.	2.5	1.	0.0
30	12	82	13	-2.9	.08	.96	1.6	35.	.9	1.	0.0
30	12	82	14	-2.6	.19	.93	1.3	35.	2.0	1.	0.0
30	12	82	15	-3.4	.06	.97	2.2	32.	1.6	1.	0.0
30	12	82	16	-3.9	.18	.98	1.9	32.	1.7	1.	0.0
30	12	82	17	-4.0	.14	.99	2.2	32.	1.8	1.	0.0
30	12	82	18	-3.9	.10	.99	2.2	32.	1.7	1.	0.0
30	12	82	19	-4.2	.14	.99	1.8	33.	1.7	1.	0.0
30	12	82	20	-4.5	.21	.99	1.8	33.	2.0	1.	0.0
30	12	82	21	-4.5	.33	.99	2.2	33.	2.0	1.	0.0
30	12	82	22	-4.3	.19	.99	1.2	35.	1.8	1.	0.0
30	12	82	23	-4.1	.33	.99	1.9	34.	2.3	1.	0.0
30	12	82	24	-3.6	.14	.99	1.4	33.	2.6	1.	0.0

				T-RS	DT-RS	RH-RS	F-RS	D-RS	F-HER	D-HER	P-TA
31	12	82	1	-3.3	.58	.99	.8	36.	2.5	36.	0.0
31	12	82	2	-2.9	1.75	.99	1.2	35.	2.1	36.	0.0
31	12	82	3	-2.8	1.19	.99	1.8	33.	1.7	1.	.1
31	12	82	4	-2.5	.46	.99	1.6	36.	2.5	1.	0.0
31	12	82	5	-2.3	1.83	1.00	.8	36.	2.1	36.	0.0
31	12	82	6	-1.9	1.75	1.00	2.0	33.	2.5	1.	.2
31	12	82	7	-1.4	1.06	1.00	.6	1004.	2.4	1.	.4
31	12	82	8	-.9	1.70	1.00	.4	31.	2.4	1.	.2
31	12	82	9	-.6	1.82	1.00	.5	1001.	1.4	1.	.1
31	12	82	10	-.6	1.27	1.00	.8	12.	99.0	99.	0.0
31	12	82	11	-.4	1.62	1.00	.9	1026.	1.7	1.	0.0
31	12	82	12	-.3	.97	1.00	1.1	1022.	1.4	1.	0.0
31	12	82	13	.1	1.16	1.00	1.0	27.	2.4	1.	0.0
31	12	82	14	.2	.88	1.00	.6	1015.	1.9	1.	0.0
31	12	82	15	.0	.80	1.00	1.3	36.	2.7	1.	0.0
31	12	82	16	-.0	.39	1.00	1.6	33.	1.8	1.	0.0
31	12	82	17	-.1	.18	1.00	.9	32.	1.1	1.	0.0
31	12	82	18	-.1	.05	1.00	1.1	32.	1.5	1.	0.0
31	12	82	19	-.2	.19	1.00	1.7	33.	1.9	1.	0.0
31	12	82	20	-.3	.10	1.00	2.0	32.	1.5	1.	0.0
31	12	82	21	-.4	-.01	1.00	1.5	32.	1.9	1.	0.0
31	12	82	22	-.3	-.01	1.00	1.4	33.	1.5	1.	0.0
31	12	82	23	-.5	0.00	1.00	1.6	32.	1.6	1.	0.0
31	12	82	24	-.6	.03	1.00	.7	34.	1.9	1.	0.0

				T-RS	DT-RS	RH-RS	F-RS	D-RS	F-HER	D-HER	P-TA
1	1	83	1	-.6	.20	1.00	1.4	31.	.9	2.	0.0
1	1	83	2	-.8	.97	1.00	1.4	27.	.5	12.	0.0
1	1	83	3	.1	.95	1.00	3.1	22.	.7	10.	0.0
1	1	83	4	1.4	.42	1.00	3.5	21.	.6	14.	0.0
1	1	83	5	1.9	.21	1.00	3.4	22.	1.4	16.	0.0
1	1	83	6	2.2	.14	.94	4.4	22.	3.1	18.	0.0
1	1	83	7	2.1	.11	.93	4.0	21.	2.8	16.	0.0
1	1	83	8	2.3	.04	.91	3.7	21.	3.1	17.	0.0
1	1	83	9	2.6	.10	.90	4.1	21.	2.2	16.	0.0
1	1	83	10	3.0	.07	.87	3.5	20.	2.5	16.	0.0
1	1	83	11	3.2	.00	.86	2.6	20.	2.1	16.	0.0
1	1	83	12	3.2	.01	.87	2.5	20.	2.4	15.	0.0
1	1	83	13	3.4	-.03	.87	2.8	19.	2.3	16.	0.0
1	1	83	14	3.5	-.00	.97	3.3	18.	2.1	14.	0.0
1	1	83	15	3.5	.03	1.00	3.5	18.	2.7	16.	.4
1	1	83	16	4.4	.07	1.00	4.5	20.	2.7	14.	.1
1	1	83	17	4.6	.07	1.00	5.0	21.	2.6	16.	.4
1	1	83	18	4.6	.06	1.00	4.5	21.	3.6	14.	0.0
1	1	83	19	4.6	.08	1.00	4.3	21.	3.1	16.	0.0
1	1	83	20	4.7	.07	1.00	4.0	21.	2.6	14.	.1
1	1	83	21	4.8	.11	1.00	3.5	22.	2.1	16.	0.0
1	1	83	22	4.8	.17	.99	3.8	22.	1.5	16.	0.0
1	1	83	23	4.6	.18	.98	2.8	21.	1.6	14.	0.0
1	1	83	24	4.1	.17	.99	1.4	22.	1.7	16.	0.0
2	1	83	1	3.8	.11	.97	2.3	1028.	2.8	25.	0.0
2	1	83	2	3.0	.25	.94	2.0	32.	2.1	26.	0.0
2	1	83	3	3.0	.10	.94	1.7	30.	1.2	1.	0.0
2	1	83	4	2.4	.24	.94	2.2	30.	1.5	24.	0.0
2	1	83	5	2.6	.29	.85	2.1	27.	2.9	25.	0.0
2	1	83	6	2.6	.20	.69	3.5	29.	3.1	25.	0.0
2	1	83	7	1.9	.11	.67	3.0	28.	1.7	24.	0.0
2	1	83	8	1.4	.24	.70	2.9	28.	2.6	22.	0.0
2	1	83	9	.9	.16	.72	2.7	25.	2.1	21.	0.0
2	1	83	10	.6	.17	.77	1.6	1023.	3.6	22.	0.0
2	1	83	11	1.3	-.03	.75	2.3	26.	1.9	21.	0.0
2	1	83	12	2.1	-.25	.69	1.7	25.	1.9	14.	0.0
2	1	83	13	2.3	-.22	.69	2.6	23.	1.7	19.	0.0
2	1	83	14	1.5	-.12	.76	2.9	22.	2.6	17.	0.0
2	1	83	15	.9	.02	.81	2.0	21.	2.2	17.	0.0
2	1	83	16	-.0	.44	.84	2.6	22.	2.6	20.	0.0
2	1	83	17	-.3	.35	.86	2.1	23.	2.5	24.	0.0
2	1	83	18	-.0	.38	.82	2.2	27.	2.1	22.	0.0
2	1	83	19	.9	.16	.74	2.4	27.	2.0	24.	0.0
2	1	83	20	.1	.30	.78	1.7	25.	2.8	24.	0.0
2	1	83	21	.1	.51	.74	1.7	24.	.9	24.	0.0
2	1	83	22	-.0	.34	.71	1.4	25.	1.1	24.	0.0
2	1	83	23	-1.4	.74	.81	1.1	1020.	1.1	3.	0.0
2	1	83	24	-1.4	.62	.79	1.1	23.	1.1	2.	0.0
3	1	83	1	-2.2	.89	.89	1.8	26.	1.2	36.	0.0
3	1	83	2	-2.8	.44	.93	.7	27.	2.0	34.	0.0
3	1	83	3	-3.1	.90	.96	1.3	28.	2.1	36.	0.0
3	1	83	4	-2.9	.34	.94	.8	1009.	2.6	34.	0.0
3	1	83	5	-3.3	.68	.96	1.0	1011.	2.1	36.	0.0
3	1	83	6	-3.5	.67	.97	1.3	13.	1.9	34.	0.0
3	1	83	7	-2.8	.81	.93	2.0	14.	2.5	1.	0.0
3	1	83	8	-2.4	.77	.94	1.7	15.	2.0	2.	0.0
3	1	83	9	-.5	.68	.95	3.3	17.	2.3	36.	0.0
3	1	83	10	2.8	.02	.90	4.9	17.	2.8	14.	0.0
3	1	83	11	2.8	.01	.91	5.6	17.	5.2	15.	0.0
3	1	83	12	2.1	-.02	.95	6.6	17.	5.4	14.	0.0
3	1	83	13	1.4	-.06	1.00	6.3	18.	6.4	16.	1.2
3	1	83	14	1.8	-.03	.99	6.9	17.	6.3	14.	1.9
3	1	83	15	1.9	-.02	.99	6.9	16.	5.3	16.	.3
3	1	83	16	3.0	.02	1.00	5.3	17.	4.4	14.	2.0
3	1	83	17	4.1	.05	1.00	5.1	20.	3.6	16.	1.8
3	1	83	18	4.6	.08	1.00	3.7	21.	2.1	14.	.1
3	1	83	19	4.6	.15	1.00	2.8	21.	1.1	14.	.1
3	1	83	20	4.0	.25	1.00	2.3	20.	1.9	14.	0.0
3	1	83	21	3.7	.28	1.00	2.2	20.	1.7	15.	0.0
3	1	83	22	3.4	.27	.99	3.4	21.	1.7	14.	0.0
3	1	83	23	3.0	.25	.99	2.2	21.	1.9	16.	0.0
3	1	83	24	3.0	.29	.99	3.7	21.	1.6	14.	0.0

				T-RS	DT-RS	RH-RS	F-RS	D-RS	F-HER	D-HER	P-TA
4	1	83	1	2.9	.29	.98	2.3	21.	1.5	18.	0.0
4	1	83	2	2.5	.29	.99	1.6	20.	1.5	16.	0.0
4	1	83	3	3.0	.06	.99	2.7	22.	.8	26.	0.0
4	1	83	4	2.6	.11	1.00	1.9	18.	1.4	11.	0.0
4	1	83	5	3.0	.08	1.00	1.8	17.	1.9	14.	0.0
4	1	83	6	3.3	.03	1.00	2.7	20.	2.9	16.	0.0
4	1	83	7	3.2	.03	1.00	2.3	20.	1.7	17.	0.0
4	1	83	8	3.4	.07	1.00	2.0	19.	1.7	14.	0.0
4	1	83	9	4.2	.04	1.00	3.5	19.	2.2	16.	0.0
4	1	83	10	4.5	.04	1.00	3.5	18.	2.6	16.	0.0
4	1	83	11	4.7	.04	1.00	3.6	19.	2.5	16.	1.0
4	1	83	12	4.7	.05	1.00	2.7	22.	1.6	17.	.5
4	1	83	13	4.5	.03	1.00	1.2	1015.	1.7	16.	0.0
4	1	83	14	4.3	.08	1.00	1.0	1029.	1.5	1.	0.0
4	1	83	15	3.5	.06	1.00	3.0	32.	1.5	2.	0.0
4	1	83	16	3.0	.08	1.00	3.0	31.	1.7	30.	0.0
4	1	83	17	2.7	.05	1.00	4.0	32.	2.1	30.	0.0
4	1	83	18	2.3	.02	1.00	3.0	31.	1.7	33.	0.0
4	1	83	19	2.0	.01	1.00	3.0	31.	1.1	29.	0.0
4	1	83	20	2.0	.12	.99	3.0	33.	1.9	32.	0.0
4	1	83	21	1.6	.18	.98	2.6	34.	1.9	28.	0.0
4	1	83	22	1.8	.28	.92	3.4	34.	4.1	28.	0.0
4	1	83	23	2.9	.20	.74	5.8	31.	3.3	29.	0.0
4	1	83	24	2.7	.16	.68	5.5	32.	2.9	29.	0.0
5	1	83	1	2.0	.20	.67	3.7	33.	2.6	30.	0.0
5	1	83	2	1.7	.19	.63	4.0	31.	3.1	28.	0.0
5	1	83	3	1.4	.13	.60	3.8	30.	2.6	27.	0.0
5	1	83	4	.4	.21	.64	2.1	31.	1.5	26.	0.0
5	1	83	5	.4	.23	.64	2.6	27.	3.6	25.	0.0
5	1	83	6	-.3	.34	.68	2.1	31.	2.1	25.	0.0
5	1	83	7	-.7	.44	.75	2.0	26.	2.8	24.	0.0
5	1	83	8	-.2	.31	.70	2.1	23.	2.5	25.	0.0
5	1	83	9	.0	.30	.71	2.4	23.	.9	28.	0.0
5	1	83	10	.6	.07	.72	1.4	21.	.9	2.	0.0
5	1	83	11	.6	.12	.74	1.8	17.	.9	12.	0.0
5	1	83	12	1.5	.11	.81	2.5	18.	1.8	13.	0.0
5	1	83	13	2.6	0.00	.91	4.2	19.	2.6	16.	.1
5	1	83	14	3.1	.03	.97	5.0	22.	2.9	17.	0.0
5	1	83	15	3.4	.04	.98	4.1	20.	2.6	17.	.4
5	1	83	16	3.7	.02	.99	4.7	22.	2.6	16.	0.0
5	1	83	17	4.0	.04	1.00	3.4	22.	2.1	17.	0.0
5	1	83	18	4.1	.03	1.00	2.8	21.	2.1	16.	0.0
5	1	83	19	4.2	.05	1.00	4.1	20.	2.3	16.	0.0
5	1	83	20	4.3	.07	1.00	2.4	18.	1.9	15.	0.0
5	1	83	21	4.3	.05	1.00	2.2	17.	2.8	15.	0.0
5	1	83	22	4.4	.04	1.00	3.7	20.	3.1	16.	0.0
5	1	83	23	4.6	.04	1.00	4.5	19.	4.3	16.	.5
5	1	83	24	4.8	.04	1.00	4.8	18.	4.2	16.	1.3
6	1	83	1	5.2	.05	1.00	5.7	19.	4.6	16.	.3
6	1	83	2	5.9	.08	1.00	5.1	20.	2.9	16.	.1
6	1	83	3	6.3	.18	1.00	3.2	18.	2.7	16.	0.0
6	1	83	4	5.9	.32	1.00	2.8	16.	2.2	15.	0.0
6	1	83	5	7.2	.31	.95	4.9	24.	2.1	16.	0.0
6	1	83	6	8.2	.10	.91	7.2	23.	4.6	20.	0.0
6	1	83	7	8.1	.10	.90	6.9	23.	4.8	20.	0.0
6	1	83	8	7.5	.07	.94	6.4	22.	4.0	19.	0.0
6	1	83	9	7.8	.06	.87	7.1	24.	5.4	19.	0.0
6	1	83	10	7.4	.05	.82	6.3	24.	5.4	20.	0.0
6	1	83	11	6.7	.02	.79	7.5	23.	6.4	19.	0.0
6	1	83	12	6.0	-.04	.79	6.7	24.	5.2	20.	0.0
6	1	83	13	5.7	-.02	.78	6.7	24.	6.2	21.	0.0
6	1	83	14	5.5	-.03	.78	7.1	23.	6.4	21.	0.0
6	1	83	15	5.1	0.00	.78	7.1	23.	6.0	21.	0.0
6	1	83	16	4.8	.03	.77	6.9	23.	6.4	20.	0.0
6	1	83	17	4.8	.01	.80	7.1	23.	6.4	20.	0.0
6	1	83	18	4.5	.01	.79	6.7	25.	5.4	22.	0.0
6	1	83	19	2.5	-.02	.84	6.8	26.	5.7	23.	0.0
6	1	83	20	1.8	.10	.90	5.2	26.	3.2	22.	.9
6	1	83	21	2.1	.10	.80	5.4	25.	3.6	21.	0.0
6	1	83	22	1.6	.03	.73	6.5	25.	4.1	22.	0.0
6	1	83	23	2.2	.02	.78	6.6	24.	4.7	21.	0.0
6	1	83	24	1.6	0.00	.82	6.2	25.	4.8	21.	0.0

				T-BS	DT-BS	RH-BS	F-BS	D-BS	F-HER	D-HER	P-TA
7	1	83	1	1.9	.02	.82	6.2	25.	5.4	20.	0.0
7	1	83	2	1.6	-.02	.87	6.2	24.	5.6	21.	0.0
7	1	83	3	1.3	-.01	.88	5.6	24.	3.5	21.	0.0
7	1	83	4	.9	.07	.87	3.6	22.	3.1	20.	0.0
7	1	83	5	1.2	.09	.87	2.6	21.	2.5	17.	0.0
7	1	83	6	2.3	.05	.83	5.9	25.	4.6	20.	0.0
7	1	83	7	1.9	.02	.86	4.2	24.	3.6	20.	0.0
7	1	83	8	1.4	.20	.83	2.4	25.	2.1	21.	0.0
7	1	83	9	1.0	.29	.82	3.3	22.	2.3	16.	0.0
7	1	83	10	1.7	.01	.79	3.3	24.	1.8	20.	0.0
7	1	83	11	1.9	-.09	.83	3.3	23.	1.9	17.	0.0
7	1	83	12	2.0	-.21	.84	3.4	22.	2.5	16.	0.0
7	1	83	13	3.2	-.11	.76	4.4	25.	3.6	17.	0.0
7	1	83	14	3.5	-.05	.73	5.4	25.	6.2	24.	0.0
7	1	83	15	3.3	-.02	.72	4.8	26.	4.6	22.	0.0
7	1	83	16	2.7	0.00	.75	4.4	25.	5.2	22.	0.0
7	1	83	17	2.2	.03	.76	4.4	25.	4.9	22.	0.0
7	1	83	18	1.8	.05	.78	3.9	24.	3.1	22.	0.0
7	1	83	19	1.5	.07	.80	3.0	23.	2.6	22.	0.0
7	1	83	20	1.2	.06	.81	3.7	23.	2.1	23.	0.0
7	1	83	21	1.1	.07	.81	4.1	24.	1.6	20.	0.0
7	1	83	22	1.0	.08	.82	4.2	24.	2.6	22.	0.0
7	1	83	23	1.4	.06	.79	4.6	25.	2.4	24.	0.0
7	1	83	24	1.9	.08	.75	4.3	26.	2.8	21.	0.0
8	1	83	1	1.9	.10	.74	3.7	25.	3.5	22.	0.0
8	1	83	2	1.3	.08	.75	4.5	25.	2.7	24.	0.0
8	1	83	3	.6	.17	.81	2.8	22.	1.8	21.	0.0
8	1	83	4	.1	.39	.84	1.4	1027.	1.8	12.	0.0
8	1	83	5	.1	.45	.86	1.5	1011.	2.3	21.	0.0
8	1	83	6	-.2	.57	.86	1.7	1023.	1.7	20.	0.0
8	1	83	7	-.0	.47	.78	1.6	1032.	2.6	24.	0.0
8	1	83	8	.8	.29	.72	1.9	1029.	2.2	26.	0.0
8	1	83	9	1.3	.32	.67	2.5	29.	.9	25.	0.0
8	1	83	10	2.2	.14	.61	2.5	29.	1.6	20.	0.0
8	1	83	11	2.7	-.04	.64	5.1	30.	5.2	26.	0.0
8	1	83	12	1.3	-.13	.94	5.5	29.	4.2	25.	.5
8	1	83	13	1.9	-.04	.85	6.9	27.	4.3	24.	0.0
8	1	83	14	2.3	-.02	.78	6.5	27.	4.3	24.	0.0
8	1	83	15	1.6	-.05	.79	4.6	27.	3.3	22.	0.0
8	1	83	16	1.0	.05	.82	3.5	27.	2.1	22.	0.0
8	1	83	17	1.6	.02	.72	3.7	27.	2.1	22.	0.0
8	1	83	18	.6	.14	.77	1.9	27.	1.7	24.	0.0
8	1	83	19	.3	.22	.76	2.2	25.	2.2	16.	0.0
8	1	83	20	-.2	.25	.77	2.7	25.	3.0	20.	0.0
8	1	83	21	-.4	.23	.79	1.6	21.	2.8	24.	0.0
8	1	83	22	-.0	.17	.81	3.5	22.	2.3	24.	0.0
8	1	83	23	-.2	.18	.86	2.1	1021.	.9	18.	0.0
8	1	83	24	-.1	.29	.89	1.1	17.	1.8	16.	0.0
9	1	83	1	.5	.15	.93	2.4	18.	2.1	13.	0.0
9	1	83	2	1.0	.06	.94	2.7	20.	1.7	16.	0.0
9	1	83	3	1.8	.11	.94	3.0	20.	2.0	14.	0.0
9	1	83	4	2.9	.08	.94	3.8	22.	2.3	16.	0.0
9	1	83	5	3.9	.06	.94	6.0	22.	3.4	16.	0.0
9	1	83	6	4.5	.04	.93	8.1	22.	5.2	18.	0.0
9	1	83	7	4.4	.05	.93	6.8	23.	5.1	19.	0.0
9	1	83	8	4.4	.05	.93	6.2	23.	3.1	20.	0.0
9	1	83	9	4.0	.11	.94	4.9	23.	1.5	19.	0.0
9	1	83	10	4.1	.10	.91	4.8	23.	1.8	20.	0.0
9	1	83	11	5.2	-.02	.74	4.9	25.	2.8	21.	0.0
9	1	83	12	5.7	-.03	.62	4.4	26.	2.9	22.	0.0
9	1	83	13	5.9	-.07	.54	5.1	26.	4.3	24.	0.0
9	1	83	14	5.7	-.05	.51	4.8	28.	5.4	25.	0.0
9	1	83	15	4.8	-.02	.49	4.6	28.	4.0	25.	0.0
9	1	83	16	4.0	.04	.52	3.5	25.	1.9	20.	0.0
9	1	83	17	3.5	.05	.60	4.3	24.	4.2	20.	0.0
9	1	83	18	2.3	-.03	.87	4.3	27.	3.1	24.	.1
9	1	83	19	1.7	.19	.90	2.7	26.	2.4	24.	0.0
9	1	83	20	2.4	.08	.80	3.4	27.	2.4	24.	0.0
9	1	83	21	2.2	-.00	.82	4.6	28.	3.3	24.	0.0
9	1	83	22	2.1	0.00	.82	7.1	25.	5.4	22.	0.0
9	1	83	23	1.9	-.01	.83	6.7	26.	5.6	24.	0.0
9	1	83	24	1.7	-.02	.81	5.8	27.	4.4	24.	0.0

				T-RS	DT-RS	RH-RS	F-RS	D-RS	F-HER	D-HER	P-TA
10	1	83	1	.6	-.01	.92	4.7	24.	3.8	22.	0.0
10	1	83	2	.8	.02	.89	5.9	25.	4.3	23.	0.0
10	1	83	3	.5	.02	.94	5.4	25.	3.6	23.	0.0
10	1	83	4	.6	.17	.91	3.7	23.	2.2	18.	0.0
10	1	83	5	.5	.31	.87	2.4	1022.	1.2	14.	0.0
10	1	83	6	1.2	.20	.82	2.7	22.	1.9	16.	0.0
10	1	83	7	1.2	.48	.79	2.6	24.	2.1	16.	0.0
10	1	83	8	1.5	.37	.76	3.2	22.	2.9	16.	0.0
10	1	83	9	2.1	.28	.75	2.4	21.	2.4	16.	0.0
10	1	83	10	2.7	.45	.74	1.7	31.	.8	2.	0.0
10	1	83	11	5.0	.22	.63	3.2	29.	1.3	20.	0.0
10	1	83	12	5.9	.01	.62	3.5	32.	2.8	26.	0.0
10	1	83	13	6.5	-.04	.60	2.6	33.	1.5	28.	0.0
10	1	83	14	6.7	-.02	.58	1.8	33.	1.5	26.	0.0
10	1	83	15	6.2	.24	.59	1.7	22.	2.1	17.	0.0
10	1	83	16	5.4	.40	.68	2.7	20.	1.9	17.	0.0
10	1	83	17	5.4	.21	.77	3.0	21.	1.7	16.	0.0
10	1	83	18	5.8	.08	.78	2.5	20.	1.1	18.	0.0
10	1	83	19	5.6	.09	.81	2.7	21.	1.9	16.	0.0
10	1	83	20	4.7	.27	.85	1.4	1005.	1.4	13.	0.0
10	1	83	21	5.1	.21	.83	2.5	1025.	1.8	20.	0.0
10	1	83	22	5.0	.09	.84	1.7	24.	2.4	22.	0.0
10	1	83	23	5.0	.11	.86	1.7	26.	2.3	24.	0.0
10	1	83	24	5.4	.08	.85	1.5	1028.	2.1	24.	0.0
11	1	83	1	5.1	.07	.87	1.7	1025.	3.8	22.	0.0
11	1	83	2	5.2	.05	.87	2.5	26.	4.0	22.	0.0
11	1	83	3	5.2	.07	.91	2.6	23.	2.5	21.	0.0
11	1	83	4	5.1	0.00	.96	2.1	26.	3.4	22.	0.0
11	1	83	5	4.8	.05	.98	1.4	25.	1.9	22.	0.0
11	1	83	6	4.4	.20	1.00	1.0	1014.	1.8	17.	0.0
11	1	83	7	3.8	.66	1.00	1.4	16.	1.9	16.	0.0
11	1	83	8	3.6	.56	1.00	1.7	15.	2.1	16.	0.0
11	1	83	9	4.0	.56	1.00	1.8	1023.	2.1	17.	0.0
11	1	83	10	5.9	.14	.92	5.6	23.	3.2	20.	0.0
11	1	83	11	6.9	.01	.89	6.4	24.	3.2	21.	0.0
11	1	83	12	7.3	.00	.85	5.3	24.	3.5	20.	0.0
11	1	83	13	7.0	-.01	.85	4.4	23.	3.5	20.	0.0
11	1	83	14	7.1	.03	.86	3.3	23.	1.9	20.	0.0
11	1	83	15	7.2	.03	.86	3.2	25.	3.1	20.	0.0
11	1	83	16	6.7	.06	.89	3.3	21.	3.1	18.	0.0
11	1	83	17	6.6	.05	.88	3.9	22.	4.3	19.	0.0
11	1	83	18	6.6	.04	.86	5.4	23.	7.2	20.	0.0
11	1	83	19	6.4	.04	.86	5.4	24.	5.9	20.	0.0
11	1	83	20	6.2	.04	.86	5.7	23.	5.1	21.	0.0
11	1	83	21	6.2	.02	.86	5.1	24.	5.4	20.	0.0
11	1	83	22	6.1	.03	.88	6.1	23.	3.7	20.	0.0
11	1	83	23	6.0	.06	.89	5.2	22.	3.0	20.	0.0
11	1	83	24	6.0	.06	.90	5.3	22.	2.6	17.	0.0
12	1	83	1	5.8	.06	.92	5.0	22.	2.4	18.	0.0
12	1	83	2	5.7	.08	.95	4.9	22.	2.8	20.	0.0
12	1	83	3	5.9	.03	.94	5.6	23.	2.9	19.	0.0
12	1	83	4	6.0	.00	.94	5.5	23.	4.6	19.	0.0
12	1	83	5	6.0	.00	.94	5.5	23.	3.8	19.	0.0
12	1	83	6	5.9	-.01	.95	4.7	23.	4.6	20.	0.0
12	1	83	7	5.8	0.00	.95	5.8	23.	5.4	20.	0.0
12	1	83	8	5.9	.01	.93	5.0	22.	4.3	20.	0.0
12	1	83	9	5.9	.01	.92	4.2	22.	4.5	20.	0.0
12	1	83	10	6.0	-.01	.91	5.2	22.	4.9	20.	0.0
12	1	83	11	6.2	-.03	.90	5.4	22.	5.3	19.	0.0
12	1	83	12	5.9	-.01	.90	5.0	22.	3.7	20.	0.0
12	1	83	13	6.1	-.03	.89	5.3	22.	4.8	19.	0.0
12	1	83	14	6.5	-.02	.89	4.6	22.	3.5	19.	0.0
12	1	83	15	6.4	.02	.90	4.4	21.	3.4	18.	0.0
12	1	83	16	5.9	.13	.92	4.5	22.	3.7	19.	0.0
12	1	83	17	5.5	.15	.92	5.1	22.	3.6	19.	0.0
12	1	83	18	5.8	.06	.91	5.2	24.	3.6	20.	0.0
12	1	83	19	5.6	.07	.88	4.5	24.	3.6	22.	0.0
12	1	83	20	5.1	.08	.86	3.5	23.	1.1	23.	0.0
12	1	83	21	5.3	.03	.79	2.8	23.	2.1	25.	0.0
12	1	83	22	4.8	.08	.81	1.5	21.	1.7	19.	0.0
12	1	83	23	4.4	.05	.81	.8	1010.	1.8	20.	0.0
12	1	83	24	4.2	.05	.80	1.0	1019.	2.1	22.	0.0

				T-BS	DT-BS	RH-BS	F-BS	D-BS	F-HER	D-HER	P-TA
13	1	83	1	4.1	.01	.79	.9	1008.	2.6	22.	0.0
13	1	83	2	3.5	.06	.80	1.5	1003.	2.9	24.	0.0
13	1	83	3	3.3	-.03	.82	1.7	22.	2.3	25.	0.0
13	1	83	4	2.9	.03	.91	1.4	22.	1.4	18.	.2
13	1	83	5	2.3	.13	.99	1.1	16.	1.6	14.	.2
13	1	83	6	1.9	.07	1.00	.8	14.	1.5	12.	1.3
13	1	83	7	1.9	.06	1.00	.0	9.	2.5	1.	1.3
13	1	83	8	1.7	.01	1.00	1.1	2.	3.1	1.	2.0
13	1	83	9	1.5	.12	1.00	1.0	4.	2.8	1.	1.5
13	1	83	10	.9	.22	1.00	.9	34.	1.7	1.	.8
13	1	83	11	.7	.05	.99	1.8	34.	1.6	1.	2.1
13	1	83	12	.6	.00	1.00	2.2	33.	2.1	1.	1.9
13	1	83	13	.1	-.02	1.00	2.1	34.	2.1	1.	.9
13	1	83	14	-.0	-.04	.99	2.2	31.	.9	34.	.5
13	1	83	15	.4	-.03	1.00	1.5	32.	.9	28.	.1
13	1	83	16	-.2	.08	.99	2.3	31.	.9	32.	0.0
13	1	83	17	-.2	.11	1.00	2.1	32.	1.1	31.	0.0
13	1	83	18	-.4	.29	1.00	1.5	34.	1.2	2.	0.0
13	1	83	19	-.1	.22	.99	1.6	30.	1.1	36.	0.0
13	1	83	20	-.4	.32	.96	3.1	32.	2.1	30.	0.0
13	1	83	21	-.1	.19	.93	3.4	31.	3.2	31.	0.0
13	1	83	22	.2	.07	.91	3.3	32.	4.0	30.	0.0
13	1	83	23	.5	.05	.86	4.3	31.	4.4	30.	0.0
13	1	83	24	.2	.03	.80	2.9	30.	3.9	29.	0.0
14	1	83	1	.2	.05	.71	3.9	30.	3.3	28.	0.0
14	1	83	2	-.4	.11	.70	3.6	31.	4.0	31.	0.0
14	1	83	3	-.5	.03	.67	2.8	28.	2.7	30.	0.0
14	1	83	4	-.4	.07	.64	2.8	30.	3.8	28.	0.0
14	1	83	5	-.6	.15	.64	3.7	31.	3.1	26.	0.0
14	1	83	6	-1.2	.25	.66	3.9	32.	2.6	28.	0.0
14	1	83	7	-1.4	.22	.64	4.2	32.	2.1	31.	0.0
14	1	83	8	-2.0	.23	.64	4.0	31.	2.1	24.	0.0
14	1	83	9	-3.0	.16	.55	3.5	30.	2.6	24.	0.0
14	1	83	10	-2.3	-.05	.55	2.4	29.	2.8	25.	0.0
14	1	83	11	-1.2	-.40	.58	3.1	26.	2.9	24.	0.0
14	1	83	12	-.7	-.33	.59	2.2	1026.	3.4	25.	0.0
14	1	83	13	-1.9	-.34	.56	2.2	1025.	2.5	24.	0.0
14	1	83	14	-.9	-.21	.64	2.1	22.	1.4	23.	0.0
14	1	83	15	-.6	-.05	.69	1.2	1024.	1.6	24.	0.0
14	1	83	16	-1.4	.01	.69	1.9	1024.	2.3	26.	0.0
14	1	83	17	-1.7	.14	.77	1.2	4.	2.8	1.	0.0
14	1	83	18	-2.2	.51	.82	.9	3.	3.1	1.	0.0
14	1	83	19	-2.9	.77	.87	1.1	1.	3.4	1.	0.0
14	1	83	20	-3.0	.19	.96	2.2	34.	2.6	1.	0.0
14	1	83	21	-3.0	.03	.89	2.1	34.	2.3	1.	0.0
14	1	83	22	-3.0	-.07	.93	1.4	35.	2.2	1.	0.0
14	1	83	23	-3.0	-.06	.94	1.8	33.	2.1	1.	0.0
14	1	83	24	-4.1	-.05	.90	1.9	34.	2.1	1.	0.0
15	1	83	1	-3.9	0.00	.89	3.2	35.	2.1	2.	0.0
15	1	83	2	-3.3	-.05	.92	2.2	0.	2.4	1.	0.0
15	1	83	3	-3.6	-.07	.93	1.7	35.	2.3	1.	0.0
15	1	83	4	-3.1	-.08	.92	1.3	34.	2.3	2.	0.0
15	1	83	5	-3.0	-.07	.93	1.6	33.	2.3	1.	0.0
15	1	83	6	-3.1	-.08	.94	.7	35.	2.1	1.	0.0
15	1	83	7	-3.0	-.09	.94	.6	3.	1.9	1.	0.0
15	1	83	8	-3.0	-.06	.94	.7	3.	1.9	1.	0.0
15	1	83	9	-2.9	-.11	.98	.9	32.	2.1	1.	.6
15	1	83	10	-2.9	-.13	.99	1.2	36.	2.3	1.	.3
15	1	83	11	-2.7	-.16	.98	1.2	0.	2.2	1.	0.0
15	1	83	12	-2.4	-.21	.96	1.5	35.	2.3	1.	0.0
15	1	83	13	-2.2	-.22	.94	1.4	36.	2.2	2.	0.0
15	1	83	14	-2.2	-.18	.94	1.4	33.	1.7	24.	0.0
15	1	83	15	-2.4	-.14	.94	1.5	32.	2.4	32.	0.0
15	1	83	16	-2.9	-.11	.95	1.4	0.	1.9	28.	0.0
15	1	83	17	-3.2	-.11	.97	1.3	34.	1.5	29.	0.0
15	1	83	18	-3.3	-.10	.97	1.6	34.	1.8	30.	0.0
15	1	83	19	-3.3	-.09	.98	1.7	35.	2.1	1.	.1
15	1	83	20	-3.4	-.13	.94	2.1	35.	2.4	32.	.1
15	1	83	21	-3.8	.03	.96	1.4	35.	2.1	32.	0.0
15	1	83	22	-4.2	.11	.95	1.5	0.	1.6	32.	0.0
15	1	83	23	-4.4	.18	.97	1.3	35.	2.1	1.	0.0
15	1	83	24	-4.5	.13	.98	1.5	34.	2.1	1.	0.0

				T-RS	DT-RS	RH-RS	F-RS	D-RS	F-HER	D-HER	P-TA
16	1	83	1	-5.2	.22	.99	1.2	33.	1.3	2.	0.0
16	1	83	2	-5.6	.26	.99	1.5	30.	1.4	2.	0.0
16	1	83	3	-5.8	.37	.99	.7	19.	1.1	13.	0.0
16	1	83	4	-5.9	.37	.98	1.0	25.	1.2	32.	0.0
16	1	83	5	-6.8	.35	.97	1.8	33.	2.2	1.	0.0
16	1	83	6	-6.3	.81	.98	2.2	32.	2.7	1.	0.0
16	1	83	7	-6.9	1.30	.96	2.5	32.	1.6	1.	0.0
16	1	83	8	-7.2	.75	.95	3.4	32.	1.8	1.	0.0
16	1	83	9	-7.1	.10	.83	4.2	33.	1.5	1.	0.0
16	1	83	10	-5.4	.03	.76	3.4	33.	1.1	2.	0.0
16	1	83	11	-2.3	.10	.58	4.4	34.	5.2	26.	0.0
16	1	83	12	-1.2	-.18	.43	4.4	32.	2.5	25.	0.0
16	1	83	13	-1.0	-.21	.42	5.8	33.	4.4	27.	0.0
16	1	83	14	.4	-.16	.45	5.0	32.	3.9	26.	0.0
16	1	83	15	-.0	-.03	.44	4.8	32.	4.9	26.	0.0
16	1	83	16	-.8	.15	.51	2.6	34.	3.1	26.	0.0
16	1	83	17	-1.4	.22	.52	4.2	32.	2.9	26.	0.0
16	1	83	18	-1.7	.18	.47	3.2	32.	1.6	26.	0.0
16	1	83	19	-2.1	.21	.44	2.3	32.	.9	28.	0.0
16	1	83	20	-1.0	.21	.54	1.2	29.	1.4	26.	0.0
16	1	83	21	-.5	.16	.55	1.4	24.	1.5	22.	0.0
16	1	83	22	-.6	.17	.61	2.4	20.	1.6	16.	0.0
16	1	83	23	-.6	.07	.70	3.0	22.	1.6	17.	0.0
16	1	83	24	-.5	.03	.81	1.2	1023.	1.1	22.	0.0
17	1	83	1	-1.2	.05	.35	.7	4.	2.0	1.	0.0
17	1	83	2	-1.4	.03	.89	1.2	31.	1.9	1.	0.0
17	1	83	3	-2.5	.24	.91	2.9	33.	2.4	1.	0.0
17	1	83	4	-3.2	.23	.93	2.7	32.	1.9	1.	0.0
17	1	83	5	-3.8	.19	.95	3.1	32.	1.2	1.	0.0
17	1	83	6	-3.8	.14	.94	3.6	31.	2.3	26.	0.0
17	1	83	7	-4.3	.17	.94	2.5	31.	1.5	26.	0.0
17	1	83	8	-4.3	.20	.97	2.9	31.	1.8	22.	0.0
17	1	83	9	-4.5	1.23	.97	3.4	29.	1.4	32.	0.0
17	1	83	10	-4.5	.61	.98	1.5	24.	1.3	22.	0.0
17	1	83	11	-3.0	.48	.91	2.0	13.	.9	14.	0.0
17	1	83	12	-1.2	-.05	.78	.7	19.	.7	24.	0.0
17	1	83	13	-.8	.59	.79	1.1	15.	2.5	1.	0.0
17	1	83	14	-1.5	.13	.81	2.5	13.	2.1	1.	0.0
17	1	83	15	-.5	.37	.80	2.5	13.	2.4	1.	0.0
17	1	83	16	-.6	.41	.80	1.7	13.	2.1	1.	0.0
17	1	83	17	-1.0	.73	.85	1.5	14.	2.1	1.	0.0
17	1	83	18	-1.3	1.00	.87	.7	14.	2.3	1.	0.0
17	1	83	19	-1.1	.75	.89	1.3	13.	1.4	2.	0.0
17	1	83	20	-.4	.91	.96	1.7	15.	2.0	1.	0.0
17	1	83	21	-.1	.81	1.00	1.5	15.	1.9	1.	.1
17	1	83	22	.6	.54	1.00	2.5	21.	.9	3.	0.0
17	1	83	23	2.8	.13	.99	4.2	20.	1.7	12.	0.0
17	1	83	24	3.5	.13	.98	4.0	20.	3.3	16.	0.0
18	1	83	1	3.2	.19	.99	2.6	17.	2.1	14.	0.0
18	1	83	2	3.1	.22	.98	2.6	21.	1.6	13.	0.0
18	1	83	3	3.5	.17	.94	3.4	21.	1.4	14.	0.0
18	1	83	4	3.5	.04	.96	3.3	24.	2.1	20.	.4
18	1	83	5	3.0	.02	.93	3.7	27.	3.5	20.	.7
18	1	83	6	2.3	.05	.86	4.8	30.	3.0	26.	0.0
18	1	83	7	1.8	.12	.86	3.4	30.	3.3	24.	0.0
18	1	83	8	2.3	.07	.73	4.7	31.	3.1	26.	0.0
18	1	83	9	2.1	.07	.72	4.3	32.	3.8	32.	0.0
18	1	83	10	.5	-.07	.85	3.9	4.	5.6	2.	0.0
18	1	83	11	-.9	-.11	.78	5.2	3.	7.9	1.	0.0
18	1	83	12	-1.4	-.12	.72	5.9	1.	7.0	32.	0.0
18	1	83	13	-1.6	-.14	.64	7.2	35.	7.9	36.	0.0
18	1	83	14	-2.6	-.11	.57	8.3	35.	7.6	32.	0.0
18	1	83	15	-3.2	-.10	.58	7.2	35.	8.2	32.	0.0
18	1	83	16	-3.3	-.08	.58	7.0	36.	6.9	32.	0.0
18	1	83	17	-4.1	-.06	.55	7.3	35.	6.2	32.	0.0
18	1	83	18	-4.2	-.06	.54	7.4	36.	7.2	32.	0.0
18	1	83	19	-4.5	-.05	.53	6.8	1.	6.4	32.	0.0
18	1	83	20	-3.5	-.03	.51	5.7	36.	5.6	32.	0.0
18	1	83	21	-4.0	.01	.44	5.1	0.	5.4	31.	0.0
18	1	83	22	-3.2	.03	.47	6.0	34.	5.1	31.	0.0
18	1	83	23	-3.5	.05	.52	4.3	34.	3.7	30.	0.0
18	1	83	24	-3.2	.05	.57	4.1	32.	1.7	28.	0.0

				T-BS	DT-BS	RH-BS	F-BS	D-BS	F-HFR	D-HFR	P-TA
19	1	83	1	-3.8	.13	.53	3.5	33.	1.9	32.	0.0
19	1	83	2	-4.4	.18	.52	3.1	34.	2.2	31.	0.0
19	1	83	3	-4.6	.18	.53	4.2	35.	2.6	2.	0.0
19	1	83	4	-5.6	.26	.52	3.1	33.	1.7	2.	0.0
19	1	83	5	-5.4	.17	.59	3.9	33.	2.2	1.	0.0
19	1	83	6	-5.3	.31	.64	2.9	31.	1.5	28.	0.0
19	1	83	7	-6.2	.40	.72	2.9	32.	1.8	2.	0.0
19	1	83	8	-6.1	.94	.80	3.4	31.	1.1	2.	0.0
19	1	83	9	-6.5	1.52	.86	3.8	31.	1.6	1.	0.0
19	1	83	10	-5.6	.50	.79	3.8	33.	1.5	1.	0.0
19	1	83	11	-4.2	.43	.81	2.8	32.	1.8	1.	0.0
19	1	83	12	-3.0	.20	.69	3.1	31.	1.2	2.	0.0
19	1	83	13	-1.2	-.14	.63	2.8	34.	1.6	1.	0.0
19	1	83	14	.5	-.30	.55	3.3	34.	1.3	1.	0.0
19	1	83	15	-1.1	-.02	.53	3.6	34.	1.6	34.	0.0
19	1	83	16	-.1	.18	.50	3.1	34.	2.4	34.	0.0
19	1	83	17	-.5	.14	.53	3.9	33.	4.4	30.	0.0
19	1	83	18	-.5	.12	.46	5.5	34.	4.8	32.	0.0
19	1	83	19	-1.2	.08	.43	5.6	35.	5.9	31.	0.0
19	1	83	20	-.5	.09	.44	5.5	35.	6.4	32.	0.0
19	1	83	21	-.9	.07	.41	6.2	34.	5.6	31.	0.0
19	1	83	22	-1.9	.10	.42	4.3	35.	3.9	31.	0.0
19	1	83	23	-1.6	.10	.48	4.5	34.	4.4	32.	0.0
19	1	83	24	-2.9	.11	.42	4.3	35.	2.8	30.	0.0
20	1	83	1	-2.3	.16	.43	3.8	33.	1.9	32.	0.0
20	1	83	2	-2.2	.14	.46	2.9	31.	1.8	24.	0.0
20	1	83	3	-2.4	.11	.49	3.5	32.	2.5	29.	0.0
20	1	83	4	-3.1	.14	.49	4.0	32.	1.2	24.	0.0
20	1	83	5	-2.4	.15	.50	3.5	31.	1.2	26.	0.0
20	1	83	6	-2.8	.09	.47	3.3	32.	1.1	2.	0.0
20	1	83	7	-2.9	.14	.56	2.0	30.	1.1	26.	0.0
20	1	83	8	-3.4	.18	.52	2.8	18.	1.4	14.	0.0
20	1	83	9	-2.1	.03	.55	3.1	19.	2.6	15.	0.0
20	1	83	10	-1.3	.02	.62	4.3	21.	2.6	16.	0.0
20	1	83	11	-.1	-.04	.68	5.4	22.	3.5	18.	0.0
20	1	83	12	.3	-.04	.78	5.0	22.	3.9	20.	0.0
20	1	83	13	1.5	-.06	.87	5.2	23.	3.3	20.	0.0
20	1	83	14	1.8	-.06	.87	3.5	23.	2.1	20.	0.0
20	1	83	15	2.6	.01	.87	2.5	23.	1.8	20.	0.0
20	1	83	16	1.9	.34	.91	1.0	20.	.8	19.	0.0
20	1	83	17	2.1	.30	.92	1.6	14.	1.9	36.	0.0
20	1	83	18	2.0	.54	.94	1.5	19.	2.2	34.	0.0
20	1	83	19	2.0	.55	.95	1.6	23.	2.8	1.	0.0
20	1	83	20	2.7	.46	.90	1.7	19.	2.8	1.	0.0
20	1	83	21	2.6	.83	.89	3.4	21.	.9	20.	0.0
20	1	83	22	3.6	.48	.82	2.8	17.	.7	18.	0.0
20	1	83	23	3.4	.32	.81	2.1	21.	.9	16.	0.0
20	1	83	24	4.1	.53	.75	2.7	21.	1.4	12.	0.0
21	1	83	1	4.9	.34	.70	2.6	1016.	2.6	20.	0.0
21	1	83	2	7.4	.24	.56	5.1	27.	4.0	22.	0.0
21	1	83	3	8.8	.12	.51	4.8	28.	4.4	26.	0.0
21	1	83	4	9.0	.13	.54	7.7	30.	8.6	24.	0.0
21	1	83	5	9.4	.09	.54	11.8	30.	10.4	26.	0.0
21	1	83	6	9.5	.14	.54	10.5	30.	10.0	26.	0.0
21	1	83	7	9.3	.14	.56	11.1	30.	10.6	26.	0.0
21	1	83	8	8.8	.15	.58	8.5	31.	6.4	26.	0.0
21	1	83	9	9.2	.13	.53	10.8	31.	7.9	28.	0.0
21	1	83	10	8.4	.09	.51	10.0	32.	6.9	29.	0.0
21	1	83	11	8.4	.03	.51	10.1	31.	7.4	28.	0.0
21	1	83	12	7.9	.01	.51	8.3	31.	6.9	28.	0.0
21	1	83	13	7.5	.04	.52	8.7	32.	6.2	28.	0.0
21	1	83	14	7.3	.08	.54	8.2	32.	5.2	28.	0.0
21	1	83	15	7.4	.10	.53	7.4	31.	6.6	26.	0.0
21	1	83	16	7.3	.10	.53	6.0	30.	5.4	26.	0.0
21	1	83	17	7.2	.10	.53	3.9	27.	3.1	26.	0.0
21	1	83	18	7.0	.18	.54	3.5	29.	2.6	20.	0.0
21	1	83	19	6.5	.30	.56	3.5	32.	2.8	24.	0.0
21	1	83	20	6.0	.37	.58	2.2	25.	1.6	30.	0.0
21	1	83	21	6.4	.36	.53	2.7	26.	2.7	21.	0.0
21	1	83	22	4.0	.62	.68	1.1	1016.	.9	20.	0.0
21	1	83	23	3.3	1.29	.75	2.3	28.	1.1	26.	0.0
21	1	83	24	5.1	.85	.71	4.6	29.	2.6	26.	0.0

				T-RS	DT-RS	RH-RS	F-RS	D-RS	F-HER	D-HER	P-TA
22	1	83	1	5.3	.69	.70	3.1	28.	1.2	24.	0.0
22	1	83	2	5.8	.54	.69	2.5	28.	.5	20.	0.0
22	1	83	3	6.2	.52	.68	2.7	26.	.9	20.	0.0
22	1	83	4	5.5	.59	.70	1.8	27.	.6	16.	0.0
22	1	83	5	6.2	.44	.69	2.0	25.	.9	20.	0.0
22	1	83	6	7.0	.36	.68	4.0	29.	1.2	26.	0.0
22	1	83	7	7.8	.29	.65	3.6	28.	1.2	24.	0.0
22	1	83	8	8.7	.13	.62	7.0	28.	4.4	24.	0.0
22	1	83	9	8.8	.07	.61	5.1	28.	3.4	25.	0.0
22	1	83	10	8.4	.14	.61	3.8	28.	3.5	25.	0.0
22	1	83	11	7.8	.18	.63	2.7	25.	2.5	24.	0.0
22	1	83	12	8.3	.11	.62	3.1	26.	3.8	24.	0.0
22	1	83	13	8.9	.04	.59	5.0	27.	2.3	20.	0.0
22	1	83	14	8.9	.05	.57	5.1	29.	3.6	24.	0.0
22	1	83	15	8.5	.14	.59	4.9	30.	3.5	25.	0.0
22	1	83	16	8.1	.18	.60	5.6	31.	5.4	27.	0.0
22	1	83	17	7.9	.12	.61	4.2	31.	4.4	26.	0.0
22	1	83	18	7.9	.10	.61	4.6	32.	4.6	26.	0.0
22	1	83	19	7.6	.17	.61	6.0	31.	4.0	26.	0.0
22	1	83	20	7.5	.19	.61	5.4	31.	3.6	26.	0.0
22	1	83	21	7.7	.17	.61	4.3	30.	3.6	26.	0.0
22	1	83	22	7.6	.17	.62	4.0	29.	3.3	22.	0.0
22	1	83	23	7.6	.14	.63	4.2	29.	3.1	24.	0.0
22	1	83	24	7.6	.17	.63	4.2	29.	2.8	24.	0.0
23	1	83	1	6.7	.32	.67	2.4	26.	3.6	24.	0.0
23	1	83	2	5.6	.41	.71	1.4	22.	2.8	24.	0.0
23	1	83	3	4.9	.42	.74	1.6	24.	2.1	21.	0.0
23	1	83	4	4.9	.24	.74	1.7	25.	1.1	22.	0.0
23	1	83	5	4.7	.23	.75	2.1	25.	1.1	24.	0.0
23	1	83	6	3.5	.35	.80	2.1	24.	.8	26.	0.0
23	1	83	7	3.2	.70	.83	2.9	30.	1.6	22.	0.0
23	1	83	8	2.1	.82	.89	2.8	31.	2.4	2.	0.0
23	1	83	9	1.9	.98	.92	3.1	33.	2.6	2.	0.0
23	1	83	10	2.7	1.27	.91	4.0	33.	2.4	1.	0.0
23	1	83	11	4.7	.32	.82	3.6	32.	1.8	1.	0.0
23	1	83	12	5.7	-.05	.75	3.7	32.	1.1	1.	0.0
23	1	83	13	7.5	-.26	.66	3.1	32.	1.3	2.	0.0
23	1	83	14	8.7	-.21	.62	2.6	32.	1.1	2.	0.0
23	1	83	15	8.1	-.11	.63	2.2	34.	1.6	1.	0.0
23	1	83	16	6.4	.24	.67	1.4	33.	1.1	1.	0.0
23	1	83	17	4.4	.98	.76	1.4	35.	1.1	2.	0.0
23	1	83	18	2.8	1.51	.88	1.7	35.	1.6	2.	0.0
23	1	83	19	1.9	1.18	.93	1.7	35.	1.1	2.	0.0
23	1	83	20	.5	1.45	1.00	2.5	34.	1.6	1.	0.0
23	1	83	21	-.4	1.49	1.00	3.1	34.	2.0	1.	0.0
23	1	83	22	-.8	1.38	1.00	3.0	34.	1.6	1.	0.0
23	1	83	23	-1.3	1.14	1.00	2.4	34.	1.6	1.	0.0
23	1	83	24	-1.5	.89	1.00	2.3	34.	1.9	1.	0.0
24	1	83	1	-1.9	.67	1.00	3.0	32.	1.1	1.	0.0
24	1	83	2	-2.2	.96	1.00	2.4	33.	1.5	1.	0.0
24	1	83	3	-2.4	.78	1.00	2.2	33.	1.5	1.	0.0
24	1	83	4	-2.7	.29	1.00	2.1	33.	.9	1.	0.0
24	1	83	5	-2.9	.66	1.00	1.3	33.	.5	2.	0.0
24	1	83	6	-2.1	1.01	1.00	1.1	1035.	.9	32.	0.0
24	1	83	7	-2.0	.74	1.00	1.3	1020.	1.7	26.	0.0
24	1	83	8	-1.9	.59	1.00	.8	1025.	1.5	1.	0.0
24	1	83	9	-1.6	.46	1.00	.7	17.	2.1	1.	0.0
24	1	83	10	-1.0	.05	.99	2.7	25.	1.6	24.	0.0
24	1	83	11	-.6	.23	.98	1.0	1017.	1.2	24.	0.0
24	1	83	12	.1	.17	.93	1.2	22.	1.1	1.	0.0
24	1	83	13	.8	.12	.96	1.7	21.	1.7	36.	0.0
24	1	83	14	1.1	.14	.95	2.0	20.	1.4	36.	0.0
24	1	83	15	1.4	.12	.94	2.1	20.	1.3	12.	0.0
24	1	83	16	1.6	-.01	.99	2.8	19.	2.0	15.	0.0
24	1	83	17	1.6	-.04	1.00	3.1	17.	2.9	15.	0.0
24	1	83	18	1.8	-.05	1.00	4.0	20.	2.7	15.	0.0
24	1	83	19	1.7	-.04	.99	4.0	19.	3.9	16.	0.0
24	1	83	20	1.9	-.03	.99	3.7	19.	3.1	16.	0.0
24	1	83	21	2.3	-.02	.99	4.1	20.	2.4	16.	.5
24	1	83	22	2.8	-.00	1.00	3.0	18.	2.5	16.	.7
24	1	83	23	3.3	.01	1.00	2.1	21.	1.5	16.	.4
24	1	83	24	3.3	.09	1.00	1.8	22.	.9	21.	0.0

				T-BS	DT-BS	RH-BS	F-BS	D-BS	F-HER	D-HER	P-TA
25	1	83	1	3.5	.04	1.00	1.7	21.	1.6	16.	0.0
25	1	83	2	3.5	.07	1.00	1.1	19.	1.4	15.	0.0
25	1	83	3	3.4	.25	1.00	1.4	19.	1.4	16.	0.0
25	1	83	4	3.1	.37	1.00	2.0	23.	1.6	20.	0.0
25	1	83	5	3.0	.22	1.00	1.9	26.	1.9	2.	0.0
25	1	83	6	2.1	.51	1.00	1.3	24.	2.4	1.	0.0
25	1	83	7	.1	1.10	1.00	.8	1012.	2.5	2.	0.0
25	1	83	8	-.6	1.93	1.00	1.0	22.	1.3	1.	0.0
25	1	83	9	.9	1.48	1.00	3.1	22.	1.1	1.	0.0
25	1	83	10	2.9	.22	.99	3.4	22.	1.8	1.	0.0
25	1	83	11	3.9	-.09	.94	3.4	23.	1.3	1.	0.0
25	1	83	12	4.6	-.32	.88	3.1	23.	1.2	1.	0.0
25	1	83	13	5.4	-.21	.79	4.2	23.	.7	17.	0.0
25	1	83	14	5.8	-.11	.67	4.9	24.	3.0	21.	0.0
25	1	83	15	5.3	-.10	.71	3.9	21.	2.6	20.	0.0
25	1	83	16	4.5	.05	.80	4.8	22.	2.6	17.	0.0
25	1	83	17	3.7	.14	.85	4.1	22.	2.6	17.	0.0
25	1	83	18	3.6	.14	.84	4.3	21.	2.7	16.	0.0
25	1	83	19	3.2	.12	.87	4.5	21.	2.8	16.	0.0
25	1	83	20	3.3	.11	.90	5.2	22.	2.3	16.	0.0
25	1	83	21	4.1	.09	.88	5.3	25.	3.4	19.	0.0
25	1	83	22	4.8	.06	.82	6.1	26.	4.1	21.	0.0
25	1	83	23	4.9	.06	.80	6.1	25.	3.8	21.	0.0
25	1	83	24	4.4	.05	.77	6.0	25.	4.4	21.	0.0
26	1	83	1	4.2	.06	.76	6.7	25.	4.3	22.	0.0
26	1	83	2	3.7	.04	.81	5.1	25.	3.5	21.	0.0
26	1	83	3	3.2	.13	.85	4.0	25.	3.1	20.	0.0
26	1	83	4	4.1	.10	.74	5.7	25.	3.3	21.	0.0
26	1	83	5	4.5	.07	.72	5.5	26.	4.4	21.	0.0
26	1	83	6	4.7	.08	.71	5.7	26.	4.9	21.	0.0
26	1	83	7	5.0	.05	.71	6.3	26.	5.2	21.	0.0
26	1	83	8	5.0	.08	.71	5.7	27.	4.6	21.	0.0
26	1	83	9	5.2	.10	.68	5.0	26.	2.5	24.	0.0
26	1	83	10	4.2	.03	.65	5.5	27.	3.7	22.	0.0
26	1	83	11	6.9	-.03	.62	6.3	27.	4.1	24.	0.0
26	1	83	12	7.5	-.05	.57	7.7	27.	4.2	24.	0.0
26	1	83	13	7.9	-.03	.57	8.4	29.	7.2	24.	0.0
26	1	83	14	8.1	-.02	.56	9.1	28.	4.1	24.	0.0
26	1	83	15	7.7	.00	.58	9.0	27.	7.2	24.	0.0
26	1	83	16	7.5	.03	.60	9.4	28.	6.3	24.	0.0
26	1	83	17	7.1	.03	.61	6.7	27.	4.1	25.	0.0
26	1	83	18	6.8	.08	.63	5.1	26.	4.1	22.	0.0
26	1	83	19	6.8	.07	.64	5.0	27.	3.5	22.	0.0
26	1	83	20	6.7	.08	.64	4.1	24.	3.0	20.	0.0
26	1	83	21	6.9	.10	.65	5.2	25.	5.1	22.	0.0
26	1	83	22	7.1	.14	.63	5.0	25.	5.9	22.	0.0
26	1	83	23	6.2	.28	.66	3.5	24.	3.3	18.	0.0
26	1	83	24	5.6	.15	.70	5.2	23.	3.1	20.	0.0
27	1	83	1	5.2	.10	.73	5.1	23.	3.4	20.	0.0
27	1	83	2	4.6	.13	.79	4.3	21.	1.9	14.	0.0
27	1	83	3	4.4	.18	.81	2.9	20.	2.6	16.	0.0
27	1	83	4	4.5	.11	.82	4.0	20.	3.6	16.	0.0
27	1	83	5	4.3	.10	.84	5.0	22.	2.6	16.	0.0
27	1	83	6	3.2	.12	.85	4.3	22.	2.4	16.	0.0
27	1	83	7	3.4	.17	.93	2.5	22.	2.1	16.	0.0
27	1	83	8	3.5	.17	.94	2.2	22.	1.9	12.	0.0
27	1	83	9	3.3	.26	.98	1.8	17.	1.8	14.	0.0
27	1	83	10	4.7	-.14	.94	1.8	20.	1.8	15.	0.0
27	1	83	11	6.5	-.22	.87	2.8	22.	1.3	16.	0.0
27	1	83	12	8.0	-.10	.67	5.2	24.	2.8	20.	0.0
27	1	83	13	8.6	-.10	.59	8.6	28.	5.4	24.	00.0
27	1	83	14	9.4	-.09	.57	6.6	29.	5.4	24.	00.0
27	1	83	15	9.0	-.05	.56	7.5	29.	6.9	26.	00.0
27	1	83	16	8.3	.01	.55	9.0	29.	7.4	25.	00.0
27	1	83	17	7.6	.06	.54	8.4	29.	5.4	24.	00.0
27	1	83	18	6.7	.08	.54	8.0	29.	6.2	24.	00.0
27	1	83	19	6.2	.03	.56	7.0	28.	5.2	24.	00.0
27	1	83	20	5.9	.09	.62	5.9	30.	3.6	24.	00.0
27	1	83	21	6.4	.12	.59	8.9	31.	6.4	28.	00.0
27	1	83	22	5.4	.08	.48	11.1	31.	9.6	28.	00.0
27	1	83	23	4.2	.05	.51	9.6	30.	7.2	27.	00.0
27	1	83	24	3.8	.06	.45	9.3	32.	6.9	27.	00.0

				T-BS	DT-BS	RH-BS	F-BS	D-BS	F-HER	D-HER	P-TA
28	1	83	1	3.2	.08	.43	7.4	32.	4.9	29.	99.0
28	1	83	2	2.8	.07	.45	5.4	31.	4.7	28.	99.0
28	1	83	3	2.2	.12	.47	3.3	29.	2.4	26.	99.0
28	1	83	4	2.1	.11	.49	2.9	29.	2.4	25.	99.0
28	1	83	5	.8	.35	.53	1.9	24.	1.6	22.	99.0
28	1	83	6	.4	.42	.55	3.2	23.	1.3	25.	99.0
28	1	83	7	.8	.29	.57	2.8	26.	1.2	12.	99.0
28	1	83	8	1.0	.25	.66	2.5	31.	1.3	22.	99.0
28	1	83	9	1.7	.14	.70	3.3	30.	2.2	24.	99.0
28	1	83	10	2.4	.10	.71	3.9	29.	3.4	25.	99.0
28	1	83	11	4.3	-.12	.64	5.0	29.	4.1	25.	99.0
28	1	83	12	5.0	-.27	.60	3.6	29.	3.2	24.	99.0
28	1	83	13	5.8	-.22	.57	4.3	29.	3.9	24.	99.0
28	1	83	14	6.2	-.15	.56	4.3	27.	4.1	24.	99.0
28	1	83	15	5.6	-.09	.60	3.5	25.	3.4	22.	99.0
28	1	83	16	4.2	.08	.67	3.0	23.	2.3	20.	99.0
28	1	83	17	3.1	.16	.75	3.2	21.	2.8	16.	99.0
28	1	83	18	3.2	.13	.81	3.1	20.	2.1	16.	99.0
28	1	83	19	3.2	.08	.92	2.6	18.	2.0	16.	99.0
28	1	83	20	2.7	.16	.97	3.2	22.	1.7	16.	99.0
28	1	83	21	1.9	.15	.98	2.1	22.	2.6	24.	99.0
28	1	83	22	1.7	.34	.98	2.0	19.	1.1	18.	99.0
28	1	83	23	1.4	.32	.96	1.1	21.	1.1	4.	99.0
28	1	83	24	1.6	.26	.95	.7	1014.	2.2	2.	99.0
29	1	83	1	1.6	.55	.94	2.4	10.	2.6	1.	99.0
29	1	83	2	1.1	.66	.98	1.5	12.	.9	4.	99.0
29	1	83	3	1.1	.53	1.00	1.3	5.	2.5	1.	99.0
29	1	83	4	.9	.03	1.00	2.4	5.	3.4	1.	1.6
29	1	83	5	.7	-.00	1.00	3.0	6.	3.9	1.	.7
29	1	83	6	.3	-.02	1.00	2.4	2.	4.3	1.	.7
29	1	83	7	.1	-.01	1.00	3.6	2.	5.1	1.	1.3
29	1	83	8	.2	-.02	.98	3.8	0.	2.3	1.	.5
29	1	83	9	.1	-.03	.99	3.2	32.	2.9	31.	.2
29	1	83	10	.4	-.05	.98	2.6	30.	2.5	24.	0.0
29	1	83	11	.3	-.09	.98	2.6	30.	2.8	24.	0.0
29	1	83	12	.6	-.18	.98	1.2	30.	2.1	24.	.2
29	1	83	13	1.1	-.27	.96	.7	19.	1.7	17.	0.0
29	1	83	14	1.2	-.25	.94	1.0	18.	1.6	12.	0.0
29	1	83	15	.9	-.11	.97	1.4	17.	1.6	14.	0.0
29	1	83	16	.8	-.02	1.00	1.9	14.	1.5	14.	0.0
29	1	83	17	.7	.19	1.00	2.9	19.	1.4	12.	0.0
29	1	83	18	.9	.17	.99	2.6	19.	1.6	12.	0.0
29	1	83	19	.9	.22	.98	2.2	16.	2.4	13.	0.0
29	1	83	20	1.1	.16	.93	4.0	20.	2.4	12.	0.0
29	1	83	21	1.5	.10	.90	4.5	22.	2.4	14.	0.0
29	1	83	22	1.5	.04	.89	5.0	23.	3.0	20.	0.0
29	1	83	23	1.4	.06	.91	4.5	22.	2.6	18.	0.0
29	1	83	24	1.2	.12	.91	2.6	23.	2.4	18.	0.0
30	1	83	1	1.8	.19	.86	3.2	28.	1.6	19.	0.0
30	1	83	2	2.6	.16	.74	5.6	30.	4.9	28.	0.0
30	1	83	3	2.5	.14	.72	4.8	31.	3.3	28.	0.0
30	1	83	4	2.4	.15	.69	4.1	31.	2.5	26.	0.0
30	1	83	5	1.9	.18	.68	2.4	28.	2.2	24.	0.0
30	1	83	6	1.5	.24	.67	2.3	27.	2.2	22.	0.0
30	1	83	7	1.3	.30	.60	2.5	28.	2.4	24.	0.0
30	1	83	8	-.1	.28	.69	1.7	35.	1.2	2.	0.0
30	1	83	9	-.2	.60	.72	2.0	32.	2.4	1.	0.0
30	1	83	10	-.8	.21	.84	2.6	35.	2.8	1.	0.0
30	1	83	11	-.4	.08	.82	1.9	35.	2.9	1.	0.0
30	1	83	12	-.4	.01	.85	1.4	26.	1.3	20.	0.0
30	1	83	13	.0	-.07	.83	1.3	36.	2.5	1.	0.0
30	1	83	14	-.1	-.11	.84	1.2	2.	2.7	2.	0.0
30	1	83	15	-.3	-.11	.84	.7	32.	1.3	32.	0.0
30	1	83	16	-.7	.00	.87	1.0	1.	1.9	1.	0.0
30	1	83	17	-1.2	.10	.89	.6	1011.	2.1	2.	0.0
30	1	83	18	-1.9	.22	.92	1.4	3.	2.2	2.	0.0
30	1	83	19	-2.2	.30	.98	1.5	3.	2.1	1.	0.0
30	1	83	20	-2.0	.10	.88	2.2	2.	2.2	1.	0.0
30	1	83	21	-2.3	.05	.85	1.6	35.	2.9	1.	0.0
30	1	83	22	-2.6	.10	.82	2.0	35.	2.2	1.	0.0
30	1	83	23	-2.5	.08	.79	2.2	0.	2.1	1.	0.0
30	1	83	24	-3.3	.31	.81	1.9	3.	2.3	1.	0.0

				T-RS	DT-RS	RH-RS	F-RS	D-RS	F-HER	D-HER	P-TA
31	1	83	1	-3.4	.36	.80	1.4	6.	1.5	2.	0.0
31	1	83	2	-3.8	.22	.93	1.9	33.	1.3	2.	0.0
31	1	83	3	-4.1	.35	.99	1.5	32.	1.3	1.	0.0
31	1	83	4	-3.6	.10	.95	1.4	1034.	.9	24.	0.0
31	1	83	5	-3.6	.10	.96	1.0	31.	1.3	24.	0.0
31	1	83	6	-3.5	-.02	.96	.7	32.	1.9	25.	0.0
31	1	83	7	-4.6	.19	.99	.8	29.	1.5	26.	.1
31	1	83	8	-5.0	.24	.99	1.7	31.	1.1	27.	0.0
31	1	83	9	-4.9	.18	.99	1.6	32.	2.1	2.	0.0
31	1	83	10	-4.1	-.10	.99	2.4	32.	1.1	1.	0.0
31	1	83	11	-2.1	-.54	.95	1.1	35.	2.4	2.	0.0
31	1	83	12	-2.6	-.23	.91	1.0	33.	2.4	2.	0.0
31	1	83	13	-1.1	-.63	.83	1.0	33.	1.8	2.	0.0
31	1	83	14	-1.6	-.30	.87	.7	1034.	1.9	1.	0.0
31	1	83	15	-2.3	-.12	.90	.7	1027.	1.7	1.	0.0
31	1	83	16	-2.7	.10	.93	.6	3.	2.1	1.	0.0
31	1	83	17	-3.8	.37	.96	.5	36.	2.1	1.	0.0
31	1	83	18	-4.2	.47	.97	.6	1033.	1.8	1.	0.0
31	1	83	19	-4.9	.43	.98	1.2	35.	1.8	1.	0.0
31	1	83	20	-5.3	.36	.98	1.0	7.	2.2	1.	0.0
31	1	83	21	-5.3	.16	.98	2.1	6.	2.1	1.	0.0
31	1	83	22	-5.2	.08	.97	2.1	7.	3.1	1.	0.0
31	1	83	23	-5.1	.04	.94	3.1	6.	3.1	3.	0.0
31	1	83	24	-4.9	-.05	.93	3.3	7.	4.4	2.	0.0

				T-RS	DT-RS	RH-RS	F-RS	D-RS	F-HER	D-HER	P-TA
1	2	83	1	-5.1	-.07	.92	3.7	5.	6.9	2.	0.0
1	2	83	2	-5.2	-.10	.92	2.8	5.	6.3	2.	0.0
1	2	83	3	-5.6	-.10	.92	4.2	7.	7.3	2.	0.0
1	2	83	4	-5.9	-.11	.93	3.8	3.	8.4	2.	0.0
1	2	83	5	-5.8	-.10	.92	6.5	7.	9.6	2.	0.0
1	2	83	6	-6.1	-.07	.95	7.9	6.	11.2	2.	0.0
1	2	83	7	-5.6	-.08	.96	7.8	6.	10.6	2.	0.0
1	2	83	8	-4.7	-.03	.98	8.1	7.	9.9	2.	0.0
1	2	83	9	-3.6	-.06	.99	8.4	7.	99.0	99.	.3
1	2	83	10	-3.0	-.09	1.00	9.0	6.	10.3	1.	.7
1	2	83	11	-2.9	-.10	.98	9.2	7.	11.7	2.	.4
1	2	83	12	-3.2	-.14	.99	6.8	6.	10.7	2.	2.1
1	2	83	13	-3.7	-.11	.99	6.4	5.	10.6	1.	.8
1	2	83	14	-4.3	-.10	.98	6.1	5.	11.4	1.	1.0
1	2	83	15	-4.9	-.10	.98	5.2	4.	12.5	1.	1.1
1	2	83	16	-4.9	-.06	.96	7.0	3.	11.8	1.	.8
1	2	83	17	-4.9	-.05	.94	7.6	2.	11.3	1.	.3
1	2	83	18	-4.7	-.05	.92	7.6	2.	8.5	1.	.3
1	2	83	19	-5.0	-.05	.90	7.2	1.	6.4	36.	.1
1	2	83	20	-4.9	-.04	.89	6.8	0.	5.6	35.	0.0
1	2	83	21	-4.7	-.03	.87	6.5	1.	5.8	35.	0.0
1	2	83	22	-4.7	-.03	.86	5.6	35.	6.8	34.	0.0
1	2	83	23	-4.6	-.03	.85	5.7	36.	6.9	33.	.1
1	2	83	24	-4.4	-.04	.85	6.0	36.	7.4	34.	0.0
2	2	83	1	-4.3	-.03	.84	6.0	0.	7.5	34.	.1
2	2	83	2	-4.5	-.03	.87	6.1	1.	7.5	35.	0.0
2	2	83	3	-4.3	-.02	.81	6.7	0.	10.9	36.	0.0
2	2	83	4	-4.3	-.00	.76	6.0	36.	11.2	1.	0.0
2	2	83	5	-4.4	.02	.73	6.5	36.	9.5	1.	0.0
2	2	83	6	-4.4	.05	.71	6.4	35.	6.7	36.	0.0
2	2	83	7	-4.3	.08	.69	5.0	35.	4.3	36.	0.0
2	2	83	8	-4.3	.18	.68	4.3	35.	1.9	32.	0.0
2	2	83	9	-4.0	.11	.72	2.5	31.	1.2	28.	.1
2	2	83	10	-2.8	-.20	.71	2.7	31.	1.8	25.	.2
2	2	83	11	-1.6	-.46	.71	2.7	30.	2.6	23.	1.4
2	2	83	12	-1.3	-.60	.65	2.7	30.	2.5	24.	1.3
2	2	83	13	-.4	-.51	.60	2.3	29.	1.5	23.	1.7
2	2	83	14	-.3	-.21	.54	2.7	29.	1.8	28.	1.7
2	2	83	15	-.3	-.05	.52	1.6	27.	1.2	25.	.9
2	2	83	16	-1.4	.21	.54	2.3	25.	2.2	27.	0.0
2	2	83	17	-2.1	.26	.59	2.1	25.	2.0	23.	0.0
2	2	83	18	-3.2	.37	.68	1.3	30.	1.1	25.	0.0
2	2	83	19	-2.1	.22	.64	2.5	28.	2.0	38.	0.0
2	2	83	20	-3.4	.42	.75	1.9	31.	1.3	30.	0.0
2	2	83	21	-3.7	.44	.77	2.3	31.	1.2	28.	0.0
2	2	83	22	-3.8	.32	.80	2.9	31.	.7	2.	0.0
2	2	83	23	-3.7	.23	.79	2.9	31.	1.1	31.	0.0
2	2	83	24	-4.3	.37	.80	3.7	32.	2.1	36.	0.0
3	2	83	1	-4.8	.45	.80	3.3	33.	1.8	36.	0.0
3	2	83	2	-4.7	.42	.75	3.9	33.	.8	32.	0.0
3	2	83	3	-5.2	.48	.82	3.7	33.	.9	33.	0.0
3	2	83	4	-5.4	.48	.81	3.7	32.	.5	5.	0.0
3	2	83	5	-5.3	.57	.82	3.8	32.	1.1	1.	0.0
3	2	83	6	-4.7	.81	.75	3.9	31.	.8	38.	0.0
3	2	83	7	-4.7	.71	.77	4.2	32.	1.0	8.	0.0
3	2	83	8	-4.2	.47	.74	3.6	31.	1.1	33.	0.0
3	2	83	9	-3.3	.59	.72	4.1	32.	.9	5.	0.0
3	2	83	10	-1.7	.26	.66	3.7	31.	1.0	33.	0.0
3	2	83	11	-.2	-.08	.61	4.0	31.	1.4	32.	0.0
3	2	83	12	.7	-.37	.55	3.8	32.	1.6	33.	0.0
3	2	83	13	2.1	-.40	.50	4.0	32.	1.7	30.	0.0
3	2	83	14	3.2	-.47	.46	3.5	33.	2.0	32.	0.0
3	2	83	15	2.9	-.27	.46	4.2	32.	1.9	30.	0.0
3	2	83	16	2.2	-.06	.47	4.8	33.	2.6	32.	0.0
3	2	83	17	1.3	.08	.49	5.0	33.	5.0	32.	0.0
3	2	83	18	1.0	.05	.47	6.2	33.	4.5	32.	0.0
3	2	83	19	.3	.10	.47	5.7	34.	3.3	33.	0.0
3	2	83	20	-.2	.18	.48	5.8	33.	3.6	31.	0.0
3	2	83	21	-.1	.09	.44	5.4	33.	5.3	31.	0.0
3	2	83	22	-.2	.13	.44	5.1	34.	2.9	31.	0.0
3	2	83	23	-1.4	.23	.48	2.9	30.	2.1	29.	0.0
3	2	83	24	-2.1	.14	.51	2.9	30.	3.4	30.	0.0

				T-RS	DT-RS	RH-RS	F-RS	D-RS	F-HER	D-HER	P-TA
4	2	83	1	-2.2	.16	.51	3.7	30.	3.0	30.	0.0
4	2	83	2	-2.7	.38	.53	4.1	32.	1.7	29.	0.0
4	2	83	3	-3.3	.37	.59	3.2	32.	1.5	32.	0.0
4	2	83	4	-3.1	.50	.59	2.9	30.	.7	38.	0.0
4	2	83	5	-3.0	.41	.61	2.7	30.	0.0	37.	0.0
4	2	83	6	-3.7	.45	.62	2.0	28.	.7	6.	0.0
4	2	83	7	-3.6	.35	.62	2.1	32.	1.0	1.	0.0
4	2	83	8	-3.8	.84	.72	1.8	31.	.5	38.	0.0
4	2	83	9	-3.5	.47	.76	.8	24.	.6	9.	0.0
4	2	83	10	-2.7	.30	.77	.9	22.	.8	31.	0.0
4	2	83	11	-1.1	.15	.73	1.8	26.	.9	1.	0.0
4	2	83	12	.5	-.46	.67	2.0	33.	1.5	1.	0.0
4	2	83	13	1.9	-.70	.63	1.5	35.	1.9	1.	0.0
4	2	83	14	2.7	-.62	.63	1.8	32.	.8	2.	0.0
4	2	83	15	1.2	-.14	.66	1.6	31.	1.0	38.	0.0
4	2	83	16	-.4	.41	.74	1.0	1029.	.7	38.	0.0
4	2	83	17	-1.4	.51	.81	2.1	13.	.7	12.	0.0
4	2	83	18	-1.2	.51	.82	1.3	11.	1.9	1.	0.0
4	2	83	19	-2.1	.70	.91	.8	1002.	1.2	2.	0.0
4	2	83	20	-2.5	.60	.93	.9	15.	.8	1.	0.0
4	2	83	21	-2.3	.75	.89	1.9	21.	.8	4.	0.0
4	2	83	22	-2.7	1.16	.93	2.0	19.	.8	2.	0.0
4	2	83	23	-2.2	.60	.90	2.1	15.	1.8	36.	0.0
4	2	83	24	-1.4	.44	.92	2.7	18.	.7	4.	0.0
5	2	83	1	-.5	.13	.98	2.5	19.	1.1	38.	0.0
5	2	83	2	-.1	.07	.97	2.7	18.	1.5	15.	0.0
5	2	83	3	.7	.05	.84	3.8	19.	2.5	17.	0.0
5	2	83	4	.4	-.04	.98	4.1	20.	3.5	18.	0.0
5	2	83	5	-.2	-.06	1.00	3.9	19.	3.0	16.	.9
5	2	83	6	-.2	-.05	1.00	4.4	18.	3.8	14.	2.0
5	2	83	7	.0	-.08	.99	5.4	17.	5.3	16.	.5
5	2	83	8	.1	-.10	1.00	6.2	17.	5.7	16.	.9
5	2	83	9	-.3	-.06	1.00	6.5	19.	6.1	16.	.7
5	2	83	10	-.7	-.05	1.00	6.3	17.	4.6	16.	.9
5	2	83	11	-.8	-.05	1.00	7.0	16.	5.0	15.	.6
5	2	83	12	-.6	-.04	1.00	6.4	15.	4.2	15.	1.3
5	2	83	13	-.5	-.05	1.00	8.0	15.	6.8	14.	1.1
5	2	83	14	-.7	-.05	1.00	8.3	14.	6.8	13.	.5
5	2	83	15	-.8	-.05	1.00	7.8	14.	6.5	12.	.9
5	2	83	16	-1.2	-.05	1.00	7.1	11.	5.2	9.	.8
5	2	83	17	-1.6	-.05	1.00	7.2	11.	5.1	8.	.8
5	2	83	18	-1.7	-.05	1.00	6.1	10.	4.7	7.	.2
5	2	83	19	-1.7	-.05	1.00	5.3	10.	4.6	6.	1.0
5	2	83	20	-1.6	-.05	.99	4.4	9.	4.4	5.	.9
5	2	83	21	-1.5	-.05	.99	4.1	9.	4.3	5.	.6
5	2	83	22	-1.5	-.06	.99	3.7	8.	3.8	3.	.6
5	2	83	23	-1.4	-.06	.99	3.5	8.	3.5	3.	.6
5	2	83	24	-1.5	-.09	.99	4.0	8.	3.6	2.	.8
6	2	83	1	-1.5	-.08	.99	3.3	8.	3.6	2.	.6
6	2	83	2	-1.5	-.09	.99	3.5	8.	3.6	2.	1.0
6	2	83	3	-1.5	-.10	.99	4.2	6.	4.9	2.	.9
6	2	83	4	-1.5	-.09	.99	4.7	7.	5.6	3.	.9
6	2	83	5	-1.5	-.11	.99	4.8	8.	5.8	3.	1.0
6	2	83	6	-1.5	-.14	1.00	5.2	7.	5.6	3.	.7
6	2	83	7	-1.4	-.13	1.00	5.2	7.	5.8	3.	.4
6	2	83	8	-1.4	-.17	1.00	5.5	8.	6.3	4.	.5
6	2	83	9	-1.6	-.19	.99	5.7	7.	7.7	3.	1.9
6	2	83	10	-1.7	-.24	.99	6.4	8.	7.9	3.	1.7
6	2	83	11	-1.8	-.31	.99	6.9	7.	8.4	3.	.3
6	2	83	12	-2.1	-.28	.99	6.4	7.	7.6	3.	.6
6	2	83	13	-2.0	-.34	.99	6.1	6.	7.5	3.	.3
6	2	83	14	-2.1	-.38	.99	6.3	6.	7.7	3.	.2
6	2	83	15	-2.3	-.30	.99	5.3	6.	6.8	2.	.2
6	2	83	16	-2.5	-.28	.98	4.6	6.	7.0	1.	.4
6	2	83	17	-2.7	-.26	.98	5.2	6.	7.0	2.	.3
6	2	83	18	-2.7	-.23	.98	4.7	7.	7.1	2.	.3
6	2	83	19	-2.8	-.24	.98	4.2	7.	6.5	2.	.2
6	2	83	20	-3.0	-.25	.98	4.4	7.	6.7	2.	.2
6	2	83	21	-3.4	-.22	.97	4.8	5.	6.2	1.	.2
6	2	83	22	-3.5	-.21	.96	4.8	5.	6.8	1.	0.0
6	2	83	23	-3.7	-.18	.96	5.4	5.	6.8	1.	0.0
6	2	83	24	-4.1	-.17	.96	5.1	5.	7.5	1.	0.0

				T-BS	DT-BS	RH-BS	F-BS	D-BS	F-HER	D-HER	P-TA
7	2	83	1	-4.6	-.11	.95	6.3	5.	9.1	2.	0.0
7	2	83	2	-4.9	-.11	.94	6.6	5.	9.8	2.	0.0
7	2	83	3	-5.0	-.10	.93	5.6	5.	9.0	1.	0.0
7	2	83	4	-5.3	-.12	.92	4.8	4.	8.1	1.	0.0
7	2	83	5	-5.5	-.14	.91	5.4	2.	8.8	1.	0.0
7	2	83	6	-5.7	-.10	.91	4.7	2.	6.6	1.	0.0
7	2	83	7	-5.8	-.09	.92	4.1	2.	7.6	1.	0.0
7	2	83	8	-5.8	-.10	.92	4.7	3.	7.5	1.	0.0
7	2	83	9	-5.9	-.09	.91	4.6	3.	7.3	1.	0.0
7	2	83	10	-5.9	-.13	.92	4.2	2.	7.5	1.	0.0
7	2	83	11	-5.8	-.16	.91	4.2	2.	7.5	1.	0.0
7	2	83	12	-5.2	-.19	.91	5.5	3.	7.8	1.	0.0
7	2	83	13	-4.9	-.26	.89	6.1	3.	8.0	1.	.1
7	2	83	14	-5.0	-.26	.87	5.2	4.	7.9	1.	0.0
7	2	83	15	-4.8	-.21	.86	6.1	3.	8.4	1.	0.0
7	2	83	16	-5.5	-.11	.84	6.1	2.	8.9	1.	0.0
7	2	83	17	-6.3	.00	.83	5.4	2.	7.2	1.	0.0
7	2	83	18	-6.9	.03	.85	5.0	1.	5.0	1.	0.0
7	2	83	19	-7.1	.05	.84	4.4	1.	4.9	1.	0.0
7	2	83	20	-7.1	.08	.82	5.2	1.	3.9	1.	0.0
7	2	83	21	-7.2	.06	.82	4.5	1.	4.8	36.	0.0
7	2	83	22	-7.2	.05	.82	4.7	1.	4.4	1.	0.0
7	2	83	23	-6.7	-.04	.82	4.6	36.	5.4	1.	0.0
7	2	83	24	-7.1	.02	.81	5.0	1.	6.2	1.	0.0
8	2	83	1	-7.4	.03	.80	5.1	2.	6.5	1.	0.0
8	2	83	2	-7.7	.04	.80	4.9	2.	7.8	1.	0.0
8	2	83	3	-7.9	.02	.78	4.8	2.	5.8	1.	0.0
8	2	83	4	-8.2	.06	.78	4.7	1.	4.9	36.	0.0
8	2	83	5	-8.7	.10	.78	5.0	1.	4.5	1.	0.0
8	2	83	6	-8.5	.03	.76	5.4	1.	4.6	1.	0.0
8	2	83	7	-8.5	.07	.75	5.2	2.	4.2	1.	0.0
8	2	83	8	-8.9	.10	.76	4.5	36.	3.3	36.	0.0
8	2	83	9	-8.5	.02	.75	4.6	1.	3.7	36.	0.0
8	2	83	10	-7.3	-.11	.71	5.2	2.	4.6	1.	0.0
8	2	83	11	-6.3	-.17	.68	5.1	3.	5.8	1.	0.0
8	2	83	12	-5.9	-.26	.66	6.0	2.	6.6	1.	0.0
8	2	83	13	-5.5	-.28	.63	6.1	2.	5.0	36.	0.0
8	2	83	14	-4.8	-.28	.59	5.2	2.	4.4	35.	0.0
8	2	83	15	-5.0	-.22	.51	5.4	1.	4.3	35.	0.0
8	2	83	16	-5.7	-.06	.45	4.5	2.	4.1	35.	0.0
8	2	83	17	-7.0	.19	.49	4.9	2.	3.9	36.	0.0
8	2	83	18	-7.2	.16	.49	5.6	2.	3.1	1.	0.0
8	2	83	19	-7.1	.18	.48	5.6	2.	3.4	1.	0.0
8	2	83	20	-7.1	.22	.48	6.3	2.	3.9	1.	0.0
8	2	83	21	-7.2	.14	.48	6.1	3.	5.3	1.	0.0
8	2	83	22	-7.7	.15	.50	4.2	4.	4.7	1.	0.0
8	2	83	23	-8.1	.21	.52	4.2	2.	3.5	1.	0.0
8	2	83	24	-8.4	.23	.54	4.1	2.	2.8	1.	0.0
9	2	83	1	-8.9	.29	.56	3.1	2.	.8	38.	0.0
9	2	83	2	-9.4	.30	.80	3.2	33.	1.1	1.	0.0
9	2	83	3	-10.0	.50	.82	2.8	33.	1.8	1.	0.0
9	2	83	4	-10.6	.37	.82	2.8	33.	2.2	1.	0.0
9	2	83	5	-11.3	.33	.84	3.2	33.	2.1	1.	0.0
9	2	83	6	-12.0	.47	.89	3.0	33.	2.2	1.	0.0
9	2	83	7	-12.5	.35	.91	2.8	33.	2.3	1.	0.0
9	2	83	8	-13.1	.41	.90	3.0	33.	1.9	1.	0.0
9	2	83	9	-12.3	0.00	.90	2.8	34.	2.1	1.	0.0
9	2	83	10	-10.9	-.18	.86	2.4	34.	2.3	1.	0.0
9	2	83	11	-8.8	-.46	.81	2.5	34.	2.2	1.	0.0
9	2	83	12	-6.9	-.88	.72	1.7	34.	2.3	2.	0.0
9	2	83	13	-4.8	-.97	.61	1.3	34.	2.2	1.	0.0
9	2	83	14	-3.8	-.84	.59	1.3	33.	1.8	1.	0.0
9	2	83	15	-3.9	-.91	.58	.7	32.	.8	1.	0.0
9	2	83	16	-4.7	-.66	.59	.5	31.	.8	4.	0.0
9	2	83	17	-8.4	-.04	.74	.5	14.	1.1	4.	0.0
9	2	83	18	-9.3	.41	.80	1.1	16.	1.5	36.	0.0
9	2	83	19	-10.0	.58	.88	1.6	25.	2.3	1.	0.0
9	2	83	20	-11.0	.84	.94	1.7	31.	2.1	1.	0.0
9	2	83	21	-12.1	1.54	.92	1.6	32.	1.9	1.	0.0
9	2	83	22	-13.0	.72	.90	2.2	33.	1.5	36.	0.0
9	2	83	23	-13.6	.41	.91	2.0	33.	1.6	1.	0.0
9	2	83	24	-14.2	.39	.90	2.1	32.	1.5	1.	0.0

				T-RS	DT-RS	RH-RS	F-RS	D-RS	F-HER	D-HER	P-TA
10	2	83	1	-14.9	.34	.89	2.2	32.	1.4	1.	0.0
10	2	83	2	-15.4	.23	.88	2.4	32.	1.4	36.	0.0
10	2	83	3	-16.4	.30	.86	2.4	32.	.9	36.	0.0
10	2	83	4	-16.1	.22	.86	2.2	32.	.8	32.	0.0
10	2	83	5	-16.8	.33	.86	1.5	32.	.5	36.	0.0
10	2	83	6	-17.8	.58	.85	1.8	32.	.4	36.	0.0
10	2	83	7	-18.3	.84	.85	1.2	33.	.6	2.	0.0
10	2	83	8	-20.3	.41	.82	2.2	34.	1.2	1.	0.0
10	2	83	9	-18.9	.12	.86	3.3	33.	1.7	36.	0.0
10	2	83	10	99.0	-.04	.88	2.5	34.	.9	36.	0.0
10	2	83	11	99.0	-.08	.89	1.7	33.	1.0	1.	0.0
10	2	83	12	99.0	-.11	.91	1.9	33.	.7	1.	0.0
10	2	83	13	99.0	-.16	.91	1.5	2034.	1.0	1.	0.0
10	2	83	14	99.0	-.18	.93	1.5	33.	1.0	1.	99.0
10	2	83	15	99.0	-.21	.94	1.5	33.	1.0	1.	99.0
10	2	83	16	-8.9	-.14	.94	1.9	32.	1.2	1.	99.0
10	2	83	17	-8.8	-.03	.94	1.8	34.	1.5	1.	99.0
10	2	83	18	-8.7	.03	.94	1.9	34.	1.4	1.	99.0
10	2	83	19	-8.3	.03	.95	2.4	34.	1.2	1.	99.0
10	2	83	20	-8.4	.13	.95	1.4	34.	1.4	1.	99.0
10	2	83	21	-8.4	.08	.94	1.9	35.	1.2	1.	99.0
10	2	83	22	-8.8	.25	.94	1.6	35.	1.3	36.	99.0
10	2	83	23	-8.2	.16	.94	1.5	33.	1.1	36.	99.0
10	2	83	24	-7.7	.06	.95	1.8	33.	1.4	36.	99.0
11	2	83	1	-6.9	.07	.93	2.1	35.	1.5	36.	99.0
11	2	83	2	-6.3	.44	.91	2.0	35.	1.5	36.	99.0
11	2	83	3	-6.1	.35	.92	1.1	2.	1.5	36.	99.0
11	2	83	4	-5.8	.38	.93	1.2	1.	.7	1.	99.0
11	2	83	5	-5.2	.56	.95	3.1	31.	1.2	1.	99.0
11	2	83	6	-4.1	.32	.97	3.3	34.	1.3	1.	99.0
11	2	83	7	-2.8	.08	.89	4.2	1.	7.2	1.	99.0
11	2	83	8	-2.4	.02	.79	5.3	4.	9.4	2.	99.0
11	2	83	9	-2.6	-.05	.83	4.0	4.	5.4	1.	99.0
11	2	83	10	-2.4	-.07	.77	3.6	3.	6.5	1.	99.0
11	2	83	11	-2.0	-.12	.64	4.6	3.	8.3	1.	99.0
11	2	83	12	-2.2	-.15	.63	4.6	1.	7.8	1.	99.0
11	2	83	13	-1.7	-.27	.60	4.7	2.	5.8	36.	99.0
11	2	83	14	-1.5	-.30	.56	4.5	1.	5.9	36.	99.0
11	2	83	15	-2.4	-.16	.59	4.2	2.	5.8	36.	99.0
11	2	83	16	-3.2	-.05	.61	4.0	0.	5.6	36.	99.0
11	2	83	17	-4.2	.07	.57	3.6	2.	5.6	36.	99.0
11	2	83	18	-5.0	.16	.59	4.5	0.	3.4	36.	99.0
11	2	83	19	-5.7	.22	.61	4.1	0.	3.8	1.	99.0
11	2	83	20	-6.4	.29	.61	3.7	0.	2.0	2.	99.0
11	2	83	21	-6.6	.30	.61	3.8	0.	2.6	1.	99.0
11	2	83	22	-6.7	.30	.59	3.8	35.	1.7	1.	99.0
11	2	83	23	-6.9	.25	.59	4.3	34.	1.7	1.	99.0
11	2	83	24	-7.9	.42	.64	3.3	33.	1.3	32.	99.0
12	2	83	1	-7.9	.27	.70	2.9	31.	2.2	34.	99.0
12	2	83	2	-7.8	.28	.69	3.5	32.	1.7	1.	99.0
12	2	83	3	-8.2	.25	.72	3.6	32.	1.7	36.	99.0
12	2	83	4	-9.1	.34	.71	3.3	33.	2.3	34.	99.0
12	2	83	5	-9.7	.32	.77	3.2	32.	3.0	36.	99.0
12	2	83	6	-10.3	.38	.81	2.8	32.	1.9	1.	99.0
12	2	83	7	-10.6	.34	.83	3.3	32.	1.9	1.	99.0
12	2	83	8	-10.8	.31	.84	3.5	33.	2.2	1.	99.0
12	2	83	9	-9.6	.03	.80	2.8	33.	2.5	1.	99.0
12	2	83	10	-6.8	-.55	.72	1.6	34.	1.9	1.	99.0
12	2	83	11	-5.8	-.61	.71	2.4	33.	2.1	1.	99.0
12	2	83	12	-4.8	-.79	.63	1.9	34.	2.2	1.	99.0
12	2	83	13	-2.7	-1.01	.52	1.1	33.	1.8	1.	99.0
12	2	83	14	-.7	-1.08	.44	1.4	32.	1.4	1.	99.0
12	2	83	15	-.1	-1.02	.42	1.0	33.	1.3	1.	99.0
12	2	83	16	-2.7	-.45	.50	.5	1015.	.9	3.	99.0
12	2	83	17	-5.6	.42	.61	.6	23.	1.3	1.	99.0
12	2	83	18	-6.6	.44	.68	.3	1002.	1.6	1.	99.0
12	2	83	19	-6.7	.49	.87	.4	1033.	1.6	36.	99.0
12	2	83	20	-7.0	.72	.93	.9	31.	1.4	1.	99.0
12	2	83	21	-6.7	.93	.87	1.3	35.	1.3	36.	99.0
12	2	83	22	-6.4	.50	.84	1.5	34.	1.2	1.	99.0
12	2	83	23	-6.3	.40	.88	1.9	33.	1.4	1.	99.0
12	2	83	24	-6.3	.12	.87	2.3	32.	1.3	1.	99.0

				T-RS	DT-RS	RH-RS	F-RS	D-RS	F-HER	D-HER	P-TA
13	2	83	1	-6.1	.03	.89	2.3	32.	1.4	1.	00.0
13	2	83	2	-5.8	.06	.88	1.7	32.	.5	36.	00.0
13	2	83	3	-5.7	.05	.87	2.5	32.	.7	1.	00.0
13	2	83	4	-5.9	.13	.86	1.6	32.	.7	2.	00.0
13	2	83	5	-5.7	.10	.84	2.1	33.	1.3	1.	00.0
13	2	83	6	-5.9	.19	.82	2.6	33.	1.0	1.	00.0
13	2	83	7	-6.4	.23	.84	2.4	33.	1.8	1.	00.0
13	2	83	8	-7.3	.32	.89	1.9	33.	.0	2.	00.0
13	2	83	9	-5.3	-.08	.87	1.4	35.	1.6	2.	00.0
13	2	83	10	-3.5	-.28	.78	.5	1.	1.2	1.	00.0
13	2	83	11	-1.8	-.44	.76	1.3	34.	2.0	1.	00.0
13	2	83	12	-.0	-.69	.69	1.5	34.	1.8	1.	00.0
13	2	83	13	-.2	-.79	.65	1.0	33.	.6	2.	00.0
13	2	83	14	3.1	-1.28	.51	.5	1033.	.4	3.	00.0
13	2	83	15	3.9	-1.08	.41	.2	1012.	.9	2.	00.0
13	2	83	16	-.0	-.25	.60	1.4	11.	.8	4.	00.0
13	2	83	17	-2.1	.20	.73	1.5	13.	.7	2.	00.0
13	2	83	18	-3.4	.50	.82	.8	1033.	1.1	1.	00.0
13	2	83	19	-3.7	.72	.90	2.3	35.	1.0	1.	00.0
13	2	83	20	-3.4	.82	.85	1.9	32.	.8	1.	00.0
13	2	83	21	-3.5	.87	.94	1.7	33.	.8	1.	00.0
13	2	83	22	-3.6	.72	.96	1.4	36.	1.0	1.	00.0
13	2	83	23	-3.4	.37	.95	2.1	33.	1.2	1.	00.0
13	2	83	24	-3.2	.35	.94	2.2	34.	1.3	1.	00.0
14	2	83	1	-2.8	.46	.93	2.4	35.	1.1	1.	00.0
14	2	83	2	-2.6	.35	.93	1.8	34.	1.1	36.	00.0
14	2	83	3	-2.7	.25	.95	1.9	33.	1.0	36.	00.0
14	2	83	4	-2.5	.48	.96	2.6	33.	1.0	36.	00.0
14	2	83	5	-2.3	1.14	.95	2.9	33.	.9	1.	00.0
14	2	83	6	-2.1	.72	.95	2.4	33.	1.1	1.	00.0
14	2	83	7	-1.8	.61	.95	2.3	33.	.9	1.	00.0
14	2	83	8	-1.7	.54	.95	2.0	34.	1.0	1.	00.0
14	2	83	9	-.7	.88	.93	1.8	4.	.8	2.	00.0
14	2	83	10	1.8	.03	.82	2.0	5.	.4	4.	00.0
14	2	83	11	2.8	-.21	.79	1.5	4.	.4	4.	00.0
14	2	83	12	3.2	-.27	.77	1.3	8.	.5	2.	00.0
14	2	83	13	3.1	-.27	.76	1.4	10.	.9	9.	00.0
14	2	83	14	3.0	-.20	.76	1.4	11.	.8	8.	00.0
14	2	83	15	3.2	-.24	.75	.8	10.	.4	6.	00.0
14	2	83	16	2.5	-.13	.79	1.0	15.	1.3	14.	00.0
14	2	83	17	1.5	-.04	.86	2.0	16.	1.7	16.	00.0
14	2	83	18	.9	-.02	.89	1.7	16.	1.8	17.	00.0
14	2	83	19	.6	.03	.89	1.4	20.	1.6	18.	00.0
14	2	83	20	.4	.02	.91	1.4	20.	1.8	16.	00.0
14	2	83	21	.2	.00	.93	1.2	20.	1.6	15.	00.0
14	2	83	22	.1	.03	.93	1.4	20.	1.5	15.	00.0
14	2	83	23	.1	.03	.94	1.2	23.	1.4	15.	00.0
14	2	83	24	.0	.05	.93	1.2	23.	1.4	16.	00.0
15	2	83	1	.0	.09	.95	1.0	22.	1.2	38.	00.0
15	2	83	2	-.2	.13	.97	.2	1029.	.6	32.	00.0
15	2	83	3	-.4	.14	.98	.3	1007.	1.1	38.	00.0
15	2	83	4	-.5	.19	.99	1.0	31.	1.7	1.	00.0
15	2	83	5	-.9	.11	1.00	1.9	32.	2.2	1.	00.0
15	2	83	6	-1.6	.25	1.00	2.7	33.	1.5	1.	00.0
15	2	83	7	-2.3	.27	1.00	2.9	33.	1.5	1.	00.0
15	2	83	8	-2.4	.25	1.00	2.5	33.	1.4	1.	00.0
15	2	83	9	-1.8	.05	.99	2.2	33.	1.6	1.	00.0
15	2	83	10	.6	-.46	.90	1.9	34.	1.8	1.	00.0
15	2	83	11	2.5	-.49	.80	1.1	35.	1.9	2.	00.0
15	2	83	12	3.2	-.94	.73	.9	33.	1.3	2.	00.0
15	2	83	13	5.3	-1.17	.62	.9	32.	1.1	1.	00.0
15	2	83	14	6.9	-1.23	.58	1.3	33.	1.5	1.	00.0
15	2	83	15	7.7	-1.28	.54	.8	32.	1.2	1.	00.0
15	2	83	16	6.1	-.79	.56	.2	36.	.7	36.	00.0
15	2	83	17	2.4	-.04	.71	.7	34.	.6	1.	00.0
15	2	83	18	.5	.60	.84	2.0	34.	1.1	2.	00.0
15	2	83	19	.1	.63	.84	3.3	34.	2.0	1.	00.0
15	2	83	20	-.2	.71	.85	3.4	34.	1.9	1.	00.0
15	2	83	21	-.6	.97	.86	3.6	34.	2.0	1.	00.0
15	2	83	22	-.8	.75	.86	3.6	34.	1.8	1.	00.0
15	2	83	23	-1.9	2.17	.94	3.4	34.	1.6	36.	00.0
15	2	83	24	-2.2	2.16	.94	3.0	34.	1.7	1.	00.0

				T-RS	DT-RS	RH-RS	F-RS	D-RS	F-HER	D-HER	P-TA
16	2	83	1	-2.9	1.87	.97	3.2	33.	1.7	1.	99.0
16	2	83	2	-3.4	1.93	.98	3.7	33.	2.3	36.	99.0
16	2	83	3	-3.6	1.10	.97	3.8	35.	2.1	1.	99.0
16	2	83	4	-3.9	1.16	.99	3.5	33.	1.7	1.	99.0
16	2	83	5	-4.0	1.24	.97	3.3	32.	1.4	36.	99.0
16	2	83	6	-3.8	.90	.93	4.3	34.	2.7	1.	99.0
16	2	83	7	-4.0	.84	.92	4.0	34.	2.9	1.	99.0
16	2	83	8	-4.0	.71	.91	3.2	33.	2.3	1.	99.0
16	2	83	9	-3.2	.70	.92	3.4	33.	2.1	1.	99.0
16	2	83	10	-1.7	-.02	.85	3.0	33.	2.3	1.	99.0
16	2	83	11	.5	-.28	.75	2.9	34.	2.3	1.	99.0
16	2	83	12	1.7	-.36	.69	1.9	34.	2.1	1.	99.0
16	2	83	13	3.7	-.71	.59	1.6	33.	2.0	1.	99.0
16	2	83	14	4.7	-.88	.53	1.5	32.	1.4	1.	99.0
16	2	83	15	4.7	-.79	.50	1.3	29.	.9	4.	99.0
16	2	83	16	4.4	-.66	.50	1.0	31.	1.5	1.	99.0
16	2	83	17	3.0	.05	.61	.4	33.	1.4	1.	99.0
16	2	83	18	99.0	.35	.77	.5	4.	.8	4.	99.0
16	2	83	19	99.0	.94	.82	1.0	35.	.9	4.	99.0
16	2	83	20	99.0	1.68	.95	2.2	33.	1.4	1.	99.0
16	2	83	21	99.0	1.17	.97	2.8	33.	1.9	36.	99.0
16	2	83	22	99.0	.95	.98	3.3	34.	2.1	1.	99.0
16	2	83	23	99.0	.77	.99	3.3	34.	1.9	1.	99.0
16	2	83	24	-5.7	.84	.99	3.2	34.	1.4	36.	99.0
17	2	83	1	-5.9	1.04	.99	3.4	34.	1.8	1.	99.0
17	2	83	2	-6.4	.93	.99	2.9	34.	1.4	36.	99.0
17	2	83	3	-6.9	1.05	.99	3.0	34.	1.6	36.	99.0
17	2	83	4	-7.5	.75	.98	3.1	33.	1.8	36.	99.0
17	2	83	5	-8.0	.79	.98	2.8	33.	1.7	1.	99.0
17	2	83	6	-8.2	.55	.98	2.5	33.	1.5	36.	99.0
17	2	83	7	-8.6	.94	.96	2.3	34.	1.9	36.	99.0
17	2	83	8	-8.5	.32	.97	2.9	32.	1.9	36.	99.0
17	2	83	9	-7.0	.08	.96	2.5	34.	2.5	36.	99.0
17	2	83	10	-4.3	.07	.94	1.2	36.	1.5	36.	99.0
17	2	83	11	-2.9	-.38	.89	1.6	0.	1.8	1.	99.0
17	2	83	12	-.5	-1.30	.72	1.1	1.	1.5	1.	99.0
17	2	83	13	1.2	-.59	.61	.3	30.	.8	1.	99.0
17	2	83	14	3.6	-.79	.40	.5	1015.	1.4	1.	99.0
17	2	83	15	3.0	-.45	.49	.8	30.	1.5	36.	99.0
17	2	83	16	1.9	-.48	.52	1.6	34.	1.5	36.	99.0
17	2	83	17	-.9	.28	.61	1.4	8.	.8	4.	99.0
17	2	83	18	-2.4	.96	.68	1.1	1034.	.8	3.	99.0
17	2	83	19	-3.6	1.72	.84	2.8	32.	1.7	1.	99.0
17	2	83	20	-3.8	.98	.87	2.0	34.	1.6	1.	99.0
17	2	83	21	-4.5	1.38	.91	2.1	33.	1.1	1.	99.0
17	2	83	22	-5.3	1.26	.98	2.4	34.	1.5	1.	99.0
17	2	83	23	-6.3	1.61	.98	3.1	33.	2.0	36.	99.0
17	2	83	24	-6.7	1.67	.97	3.4	33.	1.6	36.	99.0
18	2	83	1	-7.3	1.60	.99	2.9	34.	1.9	36.	99.0
18	2	83	2	-7.6	.96	.99	3.2	33.	2.0	36.	99.0
18	2	83	3	-7.8	.87	.99	2.7	34.	1.5	35.	99.0
18	2	83	4	-8.2	.79	.98	3.2	34.	1.7	36.	99.0
18	2	83	5	-8.6	.75	.98	2.9	34.	1.8	36.	99.0
18	2	83	6	-8.7	.64	.98	3.4	33.	1.3	36.	99.0
18	2	83	7	-8.6	1.01	.97	3.4	34.	1.4	36.	99.0
18	2	83	8	-8.4	.88	.97	3.5	33.	1.4	36.	99.0
18	2	83	9	-7.1	.50	.97	3.0	33.	1.2	36.	99.0
18	2	83	10	-4.8	.29	.96	2.4	34.	1.5	1.	99.0
18	2	83	11	-2.6	-.36	.91	2.6	33.	2.1	1.	99.0
18	2	83	12	-.4	-.73	.70	2.7	33.	1.6	1.	99.0
18	2	83	13	2.0	-.77	.55	2.5	33.	1.4	1.	99.0
18	2	83	14	4.8	-.83	.46	1.9	34.	1.6	1.	99.0
18	2	83	15	5.4	-.74	.45	1.8	34.	1.7	1.	99.0
18	2	83	16	4.7	-.53	.45	1.6	35.	1.4	1.	99.0
18	2	83	17	2.1	-.04	.52	1.7	33.	1.4	1.	99.0
18	2	83	18	.2	.45	.60	2.5	33.	1.0	2.	99.0
18	2	83	19	-.6	.80	.67	2.7	33.	.9	2.	99.0
18	2	83	20	-1.2	.58	.70	3.2	33.	1.5	1.	99.0
18	2	83	21	-2.2	.97	.79	3.3	33.	1.4	1.	99.0
18	2	83	22	-2.9	1.05	.84	3.5	32.	1.3	1.	99.0
18	2	83	23	-3.0	.64	.83	3.8	33.	1.8	1.	99.0
18	2	83	24	-3.6	.73	.86	3.5	34.	1.7	1.	99.0

				T-BS	DT-BS	RH-BS	F-BS	D-BS	F-HER	D-HER	P-TA
19	2	83	1	-3.8	.78	.88	3.3	33.	1.5	1.	99.0
19	2	83	2	-4.9	1.27	.96	3.6	33.	1.6	36.	99.0
19	2	83	3	-5.1	.97	.96	3.6	34.	1.8	1.	99.0
19	2	83	4	-5.2	.78	.94	3.0	34.	1.1	1.	99.0
19	2	83	5	-5.9	1.01	.98	2.7	34.	1.1	1.	99.0
19	2	83	6	-6.4	1.13	1.00	3.2	34.	1.7	1.	99.0
19	2	83	7	-6.8	1.37	1.00	3.8	33.	1.8	1.	99.0
19	2	83	8	-7.2	.89	.99	3.0	33.	1.5	1.	99.0
19	2	83	9	-5.4	.37	.97	3.1	33.	1.8	1.	99.0
19	2	83	10	-2.7	-.37	.85	2.1	35.	1.3	1.	99.0
19	2	83	11	-1.2	-.74	.80	1.7	32.	1.4	1.	99.0
19	2	83	12	.1	-.86	.68	2.1	33.	1.5	1.	99.0
19	2	83	13	3.4	-.96	.53	1.5	31.	.7	1.	99.0
19	2	83	14	6.0	-.42	.40	.5	1003.	2.0	1.	99.0
19	2	83	15	4.6	-.28	.45	.9	13.	1.3	36.	99.0
19	2	83	16	2.0	-.21	.61	1.3	12.	1.2	1.	99.0
19	2	83	17	.4	.13	.75	1.1	12.	.4	12.	99.0
19	2	83	18	-1.7	.74	.95	1.3	12.	.6	3.	99.0
19	2	83	19	-2.3	.98	.98	.9	14.	.7	6.	99.0
19	2	83	20	-2.7	.77	.95	.4	34.	1.5	1.	99.0
19	2	83	21	-3.1	1.50	.91	2.8	32.	2.0	1.	99.0
19	2	83	22	-2.2	.62	.80	4.0	34.	3.7	32.	99.0
19	2	83	23	-.5	.42	.63	4.3	34.	5.2	32.	99.0
19	2	83	24	.0	.14	.53	5.2	33.	4.7	32.	99.0
20	2	83	1	-.9	.15	.52	4.5	35.	4.3	33.	99.0
20	2	83	2	-1.5	.16	.53	5.0	34.	3.8	33.	99.0
20	2	83	3	-2.3	.21	.50	4.0	35.	3.0	36.	99.0
20	2	83	4	-2.9	.32	.52	3.8	33.	2.5	33.	99.0
20	2	83	5	-3.1	.26	.53	3.3	31.	2.5	31.	99.0
20	2	83	6	-3.1	.25	.54	4.2	32.	1.6	33.	99.0
20	2	83	7	-3.5	.29	.53	3.2	33.	1.3	6.	99.0
20	2	83	8	-3.4	.23	.55	4.4	32.	1.5	33.	99.0
20	2	83	9	-2.7	-.06	.56	4.7	32.	1.2	1.	99.0
20	2	83	10	-1.2	-.31	.54	3.5	32.	2.5	32.	99.0
20	2	83	11	.3	-.51	.50	3.4	33.	2.1	32.	99.0
20	2	83	12	.9	-.61	.45	3.1	32.	2.8	32.	99.0
20	2	83	13	2.6	-.78	.40	2.8	34.	3.4	31.	99.0
20	2	83	14	3.4	-.69	.39	3.2	33.	2.9	32.	99.0
20	2	83	15	2.3	-.42	.38	3.1	0.	5.3	36.	99.0
20	2	83	16	.4	-.13	.40	3.8	3.	3.9	1.	99.0
20	2	83	17	-.6	.01	.42	4.4	3.	4.4	1.	99.0
20	2	83	18	-1.9	.15	.46	3.0	1.	2.4	35.	99.0
20	2	83	19	-2.6	.19	.48	3.5	35.	3.0	32.	99.0
20	2	83	20	-3.6	.20	.45	3.2	0.	4.1	36.	99.0
20	2	83	21	-4.2	.23	.45	3.5	35.	3.7	34.	99.0
20	2	83	22	-4.7	.23	.51	3.2	32.	2.8	36.	99.0
20	2	83	23	-5.3	.16	.58	2.9	31.	1.4	1.	99.0
20	2	83	24	-6.0	.29	.58	2.9	32.	1.2	2.	99.0
21	2	83	1	-6.2	.28	.58	3.1	31.	1.2	3.	99.0
21	2	83	2	-6.4	.26	.57	3.1	31.	1.5	4.	99.0
21	2	83	3	-6.5	.16	.56	3.8	32.	1.3	2.	99.0
21	2	83	4	-7.0	.23	.59	3.7	32.	1.5	36.	99.0
21	2	83	5	-7.0	.16	.56	3.5	31.	1.1	31.	99.0
21	2	83	6	-7.4	.17	.56	4.2	31.	1.3	36.	99.0
21	2	83	7	-8.1	.30	.60	4.1	31.	2.5	32.	99.0
21	2	83	8	-7.9	.17	.62	4.0	32.	1.7	32.	99.0
21	2	83	9	-7.0	.03	.60	4.0	31.	2.1	32.	99.0
21	2	83	10	-5.9	-.18	.61	3.2	32.	1.8	36.	99.0
21	2	83	11	-5.0	-.24	.58	3.4	31.	2.0	34.	99.0
21	2	83	12	-3.1	-.51	.49	2.4	31.	1.6	1.	99.0
21	2	83	13	-1.3	-.63	.44	2.3	31.	.7	4.	99.0
21	2	83	14	.6	-.82	.37	1.8	31.	1.0	31.	99.0
21	2	83	15	-.1	-.57	.36	1.1	32.	1.6	1.	99.0
21	2	83	16	-1.2	-.15	.38	.4	1013.	1.7	1.	99.0
21	2	83	17	-1.7	-.13	.40	.5	1034.	1.7	1.	99.0
21	2	83	18	-3.8	.37	.47	.9	5.	1.2	1.	99.0
21	2	83	19	-3.8	.18	.49	.5	33.	1.0	1.	99.0
21	2	83	20	-4.4	.62	.71	2.0	32.	1.3	1.	99.0
21	2	83	21	-5.3	.59	.79	2.1	32.	1.0	36.	99.0
21	2	83	22	-5.0	.92	.74	3.7	32.	.8	4.	99.0
21	2	83	23	-3.7	.78	.73	4.6	32.	1.1	32.	99.0
21	2	83	24	-2.6	.60	.71	5.0	32.	.9	38.	99.0

				T-BS	DT-BS	RH-BS	F-BS	D-BS	F-HER	D-HER	P-TA
22	2	83	1	-2.0	.56	.69	4.3	32.	1.3	26.	00.0
22	2	83	2	-1.9	.45	.68	4.4	32.	1.4	28.	00.0
22	2	83	3	-2.1	.48	.70	4.1	32.	.6	10.	00.0
22	2	83	4	-2.0	.40	.70	4.0	32.	.6	24.	00.0
22	2	83	5	-2.4	.45	.71	3.4	32.	.6	6.	00.0
22	2	83	6	-2.6	.42	.71	3.1	31.	.8	7.	00.0
22	2	83	7	-3.3	1.27	.76	3.1	31.	.7	5.	00.0
22	2	83	8	-3.4	1.08	.79	2.3	32.	.7	6.	00.0
22	2	83	9	-1.6	.69	.77	2.0	33.	.6	7.	00.0
22	2	83	10	.9	-.94	.70	1.7	32.	.4	9.	00.0
22	2	83	11	3.8	-1.14	.62	1.7	31.	.4	2.	00.0
22	2	83	12	4.8	-1.24	.53	1.6	31.	.4	1.	00.0
22	2	83	13	6.7	-1.23	.44	1.4	33.	.5	1.	00.0
22	2	83	14	7.6	-1.11	.43	1.3	32.	.9	2.	00.0
22	2	83	15	8.0	-1.04	.40	1.6	32.	.4	4.	00.0
22	2	83	16	7.6	-.91	.38	.8	33.	.3	38.	00.0
22	2	83	17	2.9	.41	.51	1.0	14.	.7	18.	00.0
22	2	83	18	-.7	1.71	.78	2.0	14.	.8	17.	00.0
22	2	83	19	-1.5	.98	.85	2.5	13.	0.0	37.	00.0
22	2	83	20	-2.2	.65	.90	1.3	12.	1.4	1.	00.0
22	2	83	21	-3.3	.71	.94	1.7	33.	1.1	1.	00.0
22	2	83	22	-4.0	1.17	.95	3.3	34.	1.9	36.	00.0
22	2	83	23	-4.4	.97	.96	2.7	33.	1.1	36.	00.0
22	2	83	24	-5.0	1.35	.97	3.0	33.	1.6	36.	00.0
23	2	83	1	-4.8	1.00	.93	3.5	33.	1.8	36.	00.0
23	2	83	2	-5.9	1.45	.98	3.2	34.	1.8	36.	00.0
23	2	83	3	-6.1	1.15	.97	3.5	33.	1.1	36.	00.0
23	2	83	4	-6.1	.99	.92	3.0	32.	1.7	36.	00.0
23	2	83	5	-7.4	1.77	1.00	2.9	32.	1.9	36.	00.0
23	2	83	6	-8.2	1.10	1.00	2.5	33.	1.1	36.	00.0
23	2	83	7	-9.0	1.12	.99	1.7	35.	1.2	36.	00.0
23	2	83	8	-8.7	.68	.99	2.1	35.	1.3	1.	00.0
23	2	83	9	-6.9	.16	.99	1.5	32.	.7	1.	00.0
23	2	83	10	-4.2	-.51	.96	1.5	33.	1.4	1.	00.0
23	2	83	11	-.7	-.99	.77	1.1	31.	1.0	1.	00.0
23	2	83	12	.8	-1.50	.61	.8	31.	1.2	1.	00.0
23	2	83	13	2.6	-1.01	.49	2.1	26.	1.9	1.	00.0
23	2	83	14	3.4	-.40	.51	2.6	26.	1.7	1.	00.0
23	2	83	15	3.8	-.29	.50	3.1	25.	.6	3.	00.0
23	2	83	16	3.8	-.22	.48	3.7	25.	2.0	24.	00.0
23	2	83	17	2.8	-.02	.48	3.4	23.	2.7	21.	00.0
23	2	83	18	1.4	.22	.53	4.7	23.	2.6	21.	00.0
23	2	83	19	.8	.19	.59	5.0	24.	2.0	18.	00.0
23	2	83	20	-.5	.13	.69	3.6	23.	1.6	23.	00.0
23	2	83	21	-.9	.09	.74	3.1	25.	2.9	24.	00.0
23	2	83	22	-1.5	.18	.76	3.8	24.	3.2	24.	00.0
23	2	83	23	-3.0	.48	.84	1.0	24.	4.2	22.	00.0
23	2	83	24	-3.1	.29	.84	1.8	25.	2.4	22.	00.0
24	2	83	1	-3.5	.42	.86	1.3	24.	2.1	38.	00.0
24	2	83	2	-4.0	.38	.87	1.3	1029.	2.3	36.	00.0
24	2	83	3	-5.3	.78	.96	.6	28.	2.2	36.	00.0
24	2	83	4	-6.3	.94	1.00	1.4	27.	2.4	36.	00.0
24	2	83	5	-7.2	.81	.99	1.4	32.	2.4	36.	00.0
24	2	83	6	-8.3	.79	.99	2.4	31.	1.7	36.	00.0
24	2	83	7	-9.1	.55	.98	1.8	36.	2.5	36.	00.0
24	2	83	8	-8.9	.70	.97	2.1	32.	1.7	36.	00.0
24	2	83	9	-7.4	-.05	.98	1.3	32.	1.4	36.	00.0
24	2	83	10	-5.3	-.16	.96	1.5	33.	1.1	1.	00.0
24	2	83	11	-2.4	-.89	.80	1.3	33.	1.5	1.	00.0
24	2	83	12	.3	-.73	.57	.8	32.	1.6	1.	00.0
24	2	83	13	3.7	-1.50	.39	.5	1015.	1.6	1.	0.0
24	2	83	14	3.6	-.82	.44	.7	12.	1.4	1.	0.0
24	2	83	15	5.6	-1.16	.35	.3	11.	2.0	1.	0.0
24	2	83	16	2.1	-.37	.46	1.0	12.	1.6	1.	0.0
24	2	83	17	.1	.15	.58	1.7	13.	1.0	36.	0.0
24	2	83	18	-1.6	.63	.90	1.5	13.	1.5	1.	0.0
24	2	83	19	-2.8	.38	.85	.5	35.	1.5	1.	0.0
24	2	83	20	-3.5	1.18	.84	2.0	34.	1.8	36.	0.0
24	2	83	21	-4.4	1.38	.90	2.1	34.	1.6	36.	0.0
24	2	83	22	-5.4	1.73	.94	2.6	33.	1.6	36.	0.0
24	2	83	23	-5.9	1.11	.96	2.2	33.	1.5	36.	0.0
24	2	83	24	-6.7	1.03	.93	2.2	33.	1.1	36.	0.0

				T-BS	DT-BS	RH-BS	F-BS	D-BS	F-HER	D-HER	P-TA
25	2	83	1	-7.3	1.46	.99	2.3	34.	1.8	36.	0.0
25	2	83	2	-7.8	1.02	1.00	2.0	34.	1.5	34.	0.0
25	2	83	3	-8.6	.88	1.00	1.8	32.	1.2	36.	0.0
25	2	83	4	-8.8	1.12	.99	2.4	34.	1.1	34.	0.0
25	2	83	5	-9.5	1.10	.98	2.7	33.	1.8	36.	0.0
25	2	83	6	-10.1	.67	.98	2.5	33.	1.5	34.	0.0
25	2	83	7	-10.4	.97	.97	2.8	33.	1.4	36.	0.0
25	2	83	8	-9.7	.84	.98	2.9	33.	1.5	34.	0.0
25	2	83	9	-7.5	.52	.97	2.4	33.	.9	36.	0.0
25	2	83	10	-4.8	-.02	.96	1.6	33.	.9	1.	0.0
25	2	83	11	-2.8	-.04	.84	1.0	34.	1.3	36.	0.0
25	2	83	12	.2	-.23	.55	.4	34.	.7	1.	0.0
25	2	83	13	3.1	-1.27	.45	.5	15.	.9	1.	0.0
25	2	83	14	.4	-.40	.58	2.0	12.	.6	38.	0.0
25	2	83	15	.3	-.56	.64	1.9	13.	1.5	15.	0.0
25	2	83	16	-.5	-.28	.74	2.0	12.	1.2	15.	0.0
25	2	83	17	-1.4	-.06	.76	2.1	13.	1.7	16.	0.0
25	2	83	18	-2.4	.51	.84	2.8	13.	1.0	38.	0.0
25	2	83	19	-3.1	.34	.93	2.3	12.	.7	8.	0.0
25	2	83	20	-2.9	.30	1.00	1.6	9.	1.1	5.	0.0
25	2	83	21	-3.1	.29	1.00	.5	11.	1.6	35.	0.0
25	2	83	22	-3.5	.54	1.00	.6	34.	2.5	36.	0.0
25	2	83	23	-3.3	.14	1.00	1.3	3.	3.5	1.	0.0
25	2	83	24	-3.3	.06	1.00	1.0	2.	3.2	1.	0.0
26	2	83	1	-3.8	-.01	1.00	1.6	1.	3.0	1.	0.0
26	2	83	2	-4.2	-.00	.99	1.4	1.	2.9	1.	0.0
26	2	83	3	-4.5	0.00	.98	1.4	1.	3.3	1.	0.0
26	2	83	4	-5.8	.59	.97	1.6	33.	3.0	1.	0.0
26	2	83	5	-6.4	.33	.96	1.6	32.	2.4	1.	0.0
26	2	83	6	-6.8	.10	.95	2.0	33.	1.7	1.	0.0
26	2	83	7	-6.8	.06	.95	1.9	33.	2.5	1.	0.0
26	2	83	8	-6.8	-.03	.95	2.4	33.	2.0	1.	0.0
26	2	83	9	-6.8	-.10	.95	2.0	33.	2.6	1.	0.0
26	2	83	10	-6.4	-.14	.95	2.4	34.	2.4	1.	0.0
26	2	83	11	-5.5	-.11	.95	1.8	33.	2.3	1.	0.0
26	2	83	12	-3.0	-.30	.95	1.2	2.	2.1	1.	0.0
26	2	83	13	-.6	-1.03	.78	1.4	32.	1.0	31.	0.0
26	2	83	14	-.5	-1.50	.77	2.1	31.	.9	34.	0.0
26	2	83	15	1.0	-1.57	.71	1.3	33.	1.6	36.	0.0
26	2	83	16	.1	-.62	.67	2.2	1.	2.7	34.	0.0
26	2	83	17	-1.0	-.21	.65	1.6	1.	1.3	36.	0.0
26	2	83	18	-3.0	.35	.71	2.2	36.	1.3	2.	0.0
26	2	83	19	-3.3	.46	.69	1.4	3.	.9	1.	0.0
26	2	83	20	-5.1	.85	.92	2.1	33.	1.2	1.	0.0
26	2	83	21	-5.6	1.05	.91	2.3	2.	1.2	2.	0.0
26	2	83	22	-3.1	.30	.62	4.1	5.	1.6	32.	0.0
26	2	83	23	-3.1	.12	.63	3.9	3.	5.0	32.	0.0
26	2	83	24	-5.0	.70	.75	2.4	1.	1.5	32.	0.0
27	2	83	1	-6.6	1.26	.90	2.8	34.	1.2	36.	0.0
27	2	83	2	-6.4	1.01	.86	3.7	1.	2.0	36.	0.0
27	2	83	3	-4.7	.25	.73	3.9	2.	2.3	34.	0.0
27	2	83	4	-4.4	.15	.71	4.3	1.	2.2	30.	0.0
27	2	83	5	-5.2	.39	.76	3.3	1.	1.2	30.	0.0
27	2	83	6	-5.9	.63	.81	3.0	1.	1.5	38.	0.0
27	2	83	7	-4.6	.07	.75	4.0	3.	4.8	1.	0.0
27	2	83	8	-4.4	-.03	.78	3.5	3.	7.5	1.	0.0
27	2	83	9	-3.9	-.12	.84	3.6	3.	7.6	1.	0.0
27	2	83	10	-3.0	-.18	.87	2.5	3.	5.7	1.	0.0
27	2	83	11	-1.4	-.21	.83	2.8	4.	5.2	1.	0.0
27	2	83	12	-.5	-.30	.78	4.1	8.	6.4	2.	0.0
27	2	83	13	-.6	-.26	.78	4.4	7.	5.8	4.	0.0
27	2	83	14	-1.3	-.17	.83	4.5	7.	5.7	6.	0.0
27	2	83	15	-1.5	-.14	.86	3.2	8.	4.2	4.	0.0
27	2	83	16	-1.4	-.11	.89	3.2	9.	3.4	3.	0.0
27	2	83	17	-1.2	-.09	.91	3.4	8.	4.3	2.	0.0
27	2	83	18	-1.2	-.07	.93	3.1	8.	3.5	3.	0.0
27	2	83	19	-1.1	-.06	.93	3.2	8.	4.0	2.	0.0
27	2	83	20	-1.1	-.04	.94	3.5	7.	4.6	2.	0.0
27	2	83	21	-1.1	-.08	.95	3.4	7.	4.4	3.	0.0
27	2	83	22	-1.1	-.08	.95	3.2	9.	4.7	3.	0.0
27	2	83	23	-1.1	-.08	.96	3.4	9.	4.2	5.	0.0
27	2	83	24	-1.4	-.09	1.00	3.0	10.	3.7	4.	.8

				T-RS	DT-RS	RH-RS	F-RS	D-RS	F-HER	D-HER	P-TA
7	12	82	1	-.7	.55	.69	3.8	32.	1.3	38.	0.0
7	12	82	2	-1.4	.60	.77	3.6	31.	.9	2.	0.0
7	12	82	3	-1.8	.43	.82	3.8	32.	1.8	36.	0.0
7	12	82	4	-2.4	.45	.86	3.0	32.	1.8	1.	0.0
7	12	82	5	-2.7	.74	.89	3.5	32.	1.7	36.	0.0
7	12	82	6	-3.0	.38	.88	2.4	33.	1.6	36.	0.0
7	12	82	7	-3.4	.27	.88	1.4	33.	1.3	1.	0.0
7	12	82	8	-3.5	.43	.89	2.3	32.	1.6	1.	0.0
7	12	82	9	-3.6	.24	.88	2.4	34.	1.8	1.	0.0
7	12	82	10	-3.5	.13	.84	2.4	33.	2.2	1.	0.0
7	12	82	11	-3.1	-.01	.83	2.4	34.	2.6	1.	0.0
7	12	82	12	-2.9	-.05	.79	3.0	35.	2.7	1.	0.0
7	12	82	13	-2.5	.04	.80	3.1	35.	2.1	2.	0.0
7	12	82	14	-2.7	-.07	.81	1.8	33.	2.2	1.	0.0
7	12	82	15	-2.7	-.04	.82	2.5	35.	2.7	1.	0.0
7	12	82	16	-2.7	-.00	.83	2.5	34.	2.2	1.	0.0
7	12	82	17	-2.1	0.00	.78	2.6	35.	2.5	1.	0.0
7	12	82	18	-2.5	.08	.81	1.9	34.	2.7	1.	0.0
7	12	82	19	-2.9	.27	.83	1.9	35.	2.2	1.	0.0
7	12	82	20	-2.8	.18	.83	2.0	1.	2.2	1.	0.0
7	12	82	21	-2.6	.21	.80	1.4	3.	2.7	1.	0.0
7	12	82	22	-2.3	.12	.86	1.8	2.	3.3	1.	0.0
7	12	82	23	-2.0	.14	.88	3.2	5.	3.4	1.	0.0
7	12	82	24	-1.5	.03	.88	2.0	6.	3.6	1.	0.0
8	12	82	1	-1.9	.06	.87	3.1	6.	4.2	2.	0.0
8	12	82	2	-2.3	.05	.87	3.7	6.	5.3	2.	0.0
8	12	82	3	-2.7	.05	.87	4.1	6.	5.6	2.	0.0
8	12	82	4	-2.9	-.01	.83	4.2	6.	6.8	2.	0.0
8	12	82	5	-2.9	-.02	.81	5.0	7.	8.7	2.	0.0
8	12	82	6	-2.8	.00	.81	5.0	7.	7.3	2.	0.0
8	12	82	7	-2.1	-.00	.83	4.9	6.	7.8	2.	0.0
8	12	82	8	-2.2	.05	.82	5.0	7.	7.7	2.	0.0
8	12	82	9	-1.8	.04	.83	5.4	7.	8.0	3.	0.0
8	12	82	10	-1.6	-.04	.85	5.9	7.	7.5	3.	0.0
8	12	82	11	-1.6	-.05	.84	5.4	7.	6.9	3.	0.0
8	12	82	12	-1.5	-.05	.85	5.4	7.	6.5	3.	0.0
8	12	82	13	-1.6	-.13	.88	5.6	7.	5.8	3.	0.0
8	12	82	14	-1.7	-.08	.98	6.5	5.	5.1	2.	0.0
8	12	82	15	-1.7	-.08	.94	3.6	5.	5.3	2.	0.0
8	12	82	16	-1.6	-.09	.91	4.1	6.	5.4	1.	0.0
8	12	82	17	-1.3	-.03	.92	4.1	6.	6.0	1.	0.0
8	12	82	18	-1.2	-.04	.91	4.3	6.	5.9	1.	0.0
8	12	82	19	-1.2	-.03	.89	3.6	6.	6.2	1.	0.0
8	12	82	20	-1.0	-.03	.91	3.2	6.	5.7	1.	0.0
8	12	82	21	-.8	.01	.89	3.3	4.	6.8	1.	0.0
8	12	82	22	-1.0	-.02	.89	3.1	3.	6.0	1.	0.0
8	12	82	23	-1.2	-.01	.91	1.4	1.	4.8	1.	0.0
8	12	82	24	-1.4	0.00	.92	2.7	0.	4.0	36.	1.0
9	12	82	1	-1.4	.04	.83	2.6	0.	4.2	36.	2.3
9	12	82	2	-1.4	.01	.82	2.8	35.	2.7	1.	1.5
9	12	82	3	-1.4	.00	.85	2.8	35.	2.1	1.	1.0
9	12	82	4	-1.3	.01	.82	2.6	2.	2.6	1.	.4
9	12	82	5	-1.1	-.01	.81	3.0	2.	5.1	1.	.1
9	12	82	6	-1.0	-.03	.80	3.2	3.	3.8	36.	.1
9	12	82	7	-.9	-.03	.81	2.4	1.	2.7	36.	.4
9	12	82	8	-.9	0.00	.82	2.6	35.	2.2	36.	.4
9	12	82	9	-.8	-.02	.83	2.9	34.	2.2	32.	.1
9	12	82	10	-1.3	-.07	.83	4.5	32.	2.0	32.	0.0
9	12	82	11	-1.4	-.08	.83	4.6	31.	2.4	33.	.1
9	12	82	12	-1.0	-.15	.96	3.6	2032.	2.1	33.	0.0
9	12	82	13	-1.0	-.13	.93	2.6	34.	2.2	35.	0.0
9	12	82	14	-1.5	.02	.93	1.9	31.	1.4	28.	0.0
9	12	82	15	-1.9	.07	.94	2.1	31.	1.3	33.	0.0
9	12	82	16	-2.7	.29	.96	1.7	34.	1.5	36.	0.0
9	12	82	17	-2.9	.28	.97	2.2	35.	1.3	1.	0.0
9	12	82	18	-3.4	.41	.97	1.0	1033.	.8	3.	0.0
9	12	82	19	-3.2	.26	.93	1.3	34.	1.9	1.	0.0
9	12	82	20	-3.1	.22	.98	1.6	1.	2.3	1.	0.0
9	12	82	21	-3.2	.19	.93	2.0	1.	2.7	36.	0.0
9	12	82	22	-3.6	.16	.97	2.5	1.	2.2	1.	0.0
9	12	82	23	-3.0	-.03	.96	3.1	1.	2.7	1.	0.0
9	12	82	24	-2.8	-.03	.91	3.1	2.	3.2	36.	0.0

				T-RS	DT-RS	RH-RS	F-RS	D-RS	F-HER	D-HER	P-TA
10	12	82	1	-2.2	-.03	.92	2.9	1.	2.9	36.	0.0
10	12	82	2	-1.7	-.04	.93	3.9	2.	4.8	36.	0.0
10	12	82	3	-1.6	-.03	.95	3.7	2.	4.9	1.	.1
10	12	82	4	-1.4	-.03	.95	4.9	2.	5.3	1.	.2
10	12	82	5	-1.5	-.06	.94	4.1	2.	5.6	1.	.4
10	12	82	6	-1.5	-.06	.96	4.2	2.	7.2	1.	.5
10	12	82	7	-1.2	-.06	.97	4.1	2.	7.7	1.	.3
10	12	82	8	-.6	-.06	.97	3.8	4.	7.0	1.	.7
10	12	82	9	.2	-.04	.96	3.8	5.	7.6	1.	.2
10	12	82	10	.4	-.03	.95	4.5	5.	7.1	1.	0.0
10	12	82	11	.7	-.03	.94	4.1	4.	6.2	1.	0.0
10	12	82	12	.7	-.03	.94	3.7	2.	6.5	36.	0.0
10	12	82	13	.4	-.07	.94	3.3	0.	6.8	36.	0.0
10	12	82	14	.4	-.06	.95	4.2	1.	7.3	36.	0.0
10	12	82	15	.7	-.04	.94	5.6	2.	5.8	36.	0.0
10	12	82	16	.6	-.04	.94	5.5	1.	6.2	36.	0.0
10	12	82	17	.6	-.04	.95	4.9	2.	6.6	36.	0.0
10	12	82	18	.8	-.04	.94	6.3	3.	7.8	36.	.1
10	12	82	19	.8	-.03	.94	5.4	3.	6.8	1.	.1
10	12	82	20	.9	-.01	.93	5.7	2.	6.0	36.	.1
10	12	82	21	1.2	-.01	.91	5.8	3.	7.2	1.	0.0
10	12	82	22	1.3	0.00	.90	5.4	2.	5.5	36.	0.0
10	12	82	23	1.3	-.01	.89	4.9	36.	5.7	35.	0.0
10	12	82	24	1.4	.00	.89	5.6	36.	5.8	35.	0.0
11	12	82	1	1.4	0.00	.88	5.0	35.	5.1	34.	0.0
11	12	82	2	1.4	-.00	.87	4.9	35.	5.1	34.	0.0
11	12	82	3	1.5	0.00	.86	5.1	35.	5.5	34.	0.0
11	12	82	4	1.5	.00	.86	4.6	35.	5.3	34.	0.0
11	12	82	5	1.7	-.00	.84	4.8	35.	5.8	35.	0.0
11	12	82	6	1.7	-.01	.84	4.7	36.	6.4	35.	0.0
11	12	82	7	1.4	-.02	.87	4.5	0.	7.6	36.	0.0
11	12	82	8	1.2	-.04	.89	4.7	36.	7.7	36.	0.0
11	12	82	9	1.1	-.03	.89	5.2	0.	6.8	36.	0.0
11	12	82	10	1.3	-.04	.85	4.3	36.	6.7	36.	0.0
11	12	82	11	1.5	-.05	.81	4.3	36.	6.8	36.	0.0
11	12	82	12	1.6	-.07	.77	4.7	36.	6.8	36.	0.0
11	12	82	13	1.5	-.08	.75	5.2	36.	6.3	36.	0.0
11	12	82	14	1.3	-.07	.75	4.8	0.	6.3	36.	0.0
11	12	82	15	1.0	-.05	.75	5.0	35.	6.8	36.	0.0
11	12	82	16	.7	-.01	.75	4.5	0.	7.2	36.	0.0
11	12	82	17	.6	-.04	.73	4.2	0.	5.7	36.	0.0
11	12	82	18	.2	-.00	.72	4.2	0.	5.2	36.	0.0
11	12	82	19	.0	0.00	.72	3.6	36.	4.3	35.	0.0
11	12	82	20	-.2	.02	.72	4.1	35.	4.4	35.	0.0
11	12	82	21	-.4	.02	.71	3.9	0.	4.0	35.	0.0
11	12	82	22	-1.1	.07	.72	2.6	0.	2.5	35.	0.0
11	12	82	23	-1.4	.14	.73	2.2	35.	2.3	1.	0.0
11	12	82	24	-1.4	.17	.73	3.1	35.	3.0	35.	0.0
12	12	82	1	-1.6	.18	.74	3.3	35.	3.0	35.	0.0
12	12	82	2	-1.2	.05	.73	2.9	35.	3.2	35.	0.0
12	12	82	3	-1.3	.11	.73	3.1	36.	3.3	36.	0.0
12	12	82	4	-1.9	.24	.75	2.6	35.	1.8	1.	0.0
12	12	82	5	-1.5	.17	.80	2.2	33.	1.1	2.	0.0
12	12	82	6	-1.4	.11	.80	2.8	33.	1.6	1.	0.0
12	12	82	7	-1.0	.10	.76	3.5	35.	2.6	1.	0.0
12	12	82	8	-.6	.06	.73	3.6	34.	3.9	1.	0.0
12	12	82	9	-.4	.06	.71	3.2	35.	3.1	36.	0.0
12	12	82	10	-.0	.03	.68	2.3	34.	1.2	4.	0.0
12	12	82	11	.2	-.09	.70	2.3	34.	1.2	2.	0.0
12	12	82	12	.6	-.24	.70	2.3	32.	2.3	34.	0.0
12	12	82	13	.8	-.25	.71	2.0	32.	2.8	36.	0.0
12	12	82	14	.1	-.12	.74	2.5	32.	2.0	36.	0.0
12	12	82	15	-1.2	.11	.79	2.0	33.	1.7	36.	0.0
12	12	82	16	-2.3	.25	.84	2.1	32.	1.1	1.	0.0
12	12	82	17	-2.6	.24	.90	3.0	31.	1.1	2.	0.0
12	12	82	18	-3.3	.27	.94	2.7	32.	1.7	1.	0.0
12	12	82	19	-4.2	.36	.97	1.7	33.	1.5	1.	0.0
12	12	82	20	-4.5	.26	.97	2.8	32.	1.9	1.	0.0
12	12	82	21	-5.0	.24	.97	2.4	33.	1.5	36.	0.0
12	12	82	22	-5.4	.26	.96	2.6	33.	1.6	36.	0.0
12	12	82	23	-5.9	.32	.94	2.8	33.	1.6	36.	0.0
12	12	82	24	-6.2	.30	.94	3.0	33.	1.6	36.	0.0

				T-RS	DT-RS	RH-RS	F-RS	D-RS	F-HER	D-HER	P-TA
13	12	82	1	-6.5	.31	.93	3.0	34.	1.4	1.	0.0
13	12	82	2	-6.5	.27	.89	3.5	34.	1.6	1.	0.0
13	12	82	3	-6.6	.27	.87	4.1	34.	1.6	1.	0.0
13	12	82	4	-6.7	.36	.85	4.4	34.	1.8	1.	0.0
13	12	82	5	-7.1	.34	.85	3.3	34.	1.8	1.	0.0
13	12	82	6	-7.4	.37	.85	3.1	34.	1.8	1.	0.0
13	12	82	7	-7.6	.30	.85	3.1	34.	2.0	1.	0.0
13	12	82	8	-7.8	.33	.85	3.3	34.	2.1	1.	0.0
13	12	82	9	-8.3	.32	.87	2.1	33.	1.8	1.	0.0
13	12	82	10	-7.5	.08	.85	2.4	34.	1.8	1.	0.0
13	12	82	11	-6.2	-.21	.80	2.4	34.	2.0	1.	0.0
13	12	82	12	-5.9	-.33	.79	2.4	33.	2.2	1.	0.0
13	12	82	13	-4.7	-.43	.75	1.8	33.	2.1	1.	0.0
13	12	82	14	-5.3	-.13	.73	2.2	33.	1.7	34.	0.0
13	12	82	15	-6.4	.19	.78	1.6	33.	1.7	1.	0.0
13	12	82	16	-7.7	.42	.84	1.7	33.	1.8	36.	0.0
13	12	82	17	-7.8	.34	.89	2.3	33.	2.1	36.	0.0
13	12	82	18	-8.3	.30	.91	2.3	33.	2.1	36.	0.0
13	12	82	19	-8.6	.23	.94	2.6	33.	1.8	36.	0.0
13	12	82	20	-8.9	.29	.95	2.6	32.	1.8	36.	0.0
13	12	82	21	-9.2	.25	.94	2.6	33.	2.1	36.	0.0
13	12	82	22	-9.7	.23	.94	2.4	34.	2.0	36.	0.0
13	12	82	23	-10.0	.24	.94	2.4	35.	1.9	36.	0.0
13	12	82	24	-10.3	.30	.92	2.4	34.	1.7	36.	0.0
14	12	82	1	-10.2	.24	.93	2.4	35.	1.9	36.	0.0
14	12	82	2	-10.4	.25	.93	2.4	35.	1.5	1.	0.0
14	12	82	3	-10.6	.27	.92	2.1	34.	1.4	36.	0.0
14	12	82	4	-10.8	.28	.92	1.9	34.	1.2	1.	0.0
14	12	82	5	-10.7	.29	.93	1.6	33.	1.4	1.	0.0
14	12	82	6	-10.6	.24	.93	2.0	33.	1.5	1.	0.0
14	12	82	7	-11.3	.47	.92	1.6	34.	1.4	1.	0.0
14	12	82	8	-10.6	.19	.92	1.7	33.	1.6	1.	0.0
14	12	82	9	-10.8	.35	.92	1.3	34.	1.2	1.	0.0
14	12	82	10	-10.1	.09	.93	1.4	33.	1.1	1.	0.0
14	12	82	11	-9.2	-.00	.93	1.1	32.	1.7	1.	0.0
14	12	82	12	-8.4	-.09	.93	1.0	33.	1.3	1.	0.0
14	12	82	13	-8.1	-.08	.93	.6	31.	.7	2.	0.0
14	12	82	14	-7.7	-.04	.94	.7	1033.	1.3	5.	0.0
14	12	82	15	-7.2	-.06	.95	.6	30.	.8	1.	0.0
14	12	82	16	-7.0	-.02	.95	.3	1026.	1.5	1.	0.0
14	12	82	17	-6.9	.03	.95	.5	14.	1.3	1.	0.0
14	12	82	18	-6.6	.05	.95	.4	1014.	1.9	1.	0.0
14	12	82	19	-6.1	-.01	.95	.3	1024.	1.7	1.	0.0
14	12	82	20	-5.9	-.05	.96	.5	1004.	1.9	1.	0.0
14	12	82	21	-5.5	.04	.96	.8	32.	1.4	1.	0.0
14	12	82	22	-5.3	.01	.96	1.5	31.	1.2	1.	0.0
14	12	82	23	-5.0	.64	.97	1.2	17.	.6	7.	0.0
14	12	82	24	-2.3	.80	.99	2.6	17.	1.1	36.	0.0
15	12	82	1	-.3	.06	.99	3.6	21.	1.2	38.	1.7
15	12	82	2	1.1	.06	.99	4.6	19.	2.1	18.	2.0
15	12	82	3	1.9	.03	.98	7.7	20.	5.3	18.	3.0
15	12	82	4	1.8	0.00	.98	7.4	20.	5.3	18.	4.1
15	12	82	5	2.1	.02	.98	5.9	20.	4.2	18.	2.0
15	12	82	6	2.8	.05	.98	4.0	19.	2.8	17.	1.8
15	12	82	7	3.3	.12	.99	4.0	22.	2.4	17.	.8
15	12	82	8	3.2	.12	.98	3.5	22.	2.4	17.	.1
15	12	82	9	2.9	.12	.98	3.5	20.	2.1	17.	0.0
15	12	82	10	2.9	.08	.97	4.3	22.	2.3	17.	0.0
15	12	82	11	2.8	.03	.97	3.0	21.	1.7	16.	0.0
15	12	82	12	3.0	-.06	.97	2.3	21.	2.1	14.	0.0
15	12	82	13	3.2	-.11	.94	1.6	20.	2.4	18.	0.0
15	12	82	14	2.8	.13	.92	1.8	22.	1.9	20.	0.0
15	12	82	15	3.1	.05	.88	3.7	25.	2.1	22.	0.0
15	12	82	16	3.3	.05	.86	4.5	27.	2.9	25.	0.0
15	12	82	17	3.4	.03	.82	5.4	29.	3.0	25.	0.0
15	12	82	18	2.5	.07	.81	5.2	26.	3.4	23.	0.0
15	12	82	19	2.6	.08	.69	5.3	26.	3.2	24.	0.0
15	12	82	20	1.5	.10	.74	4.0	24.	4.4	23.	0.0
15	12	82	21	1.1	-.02	.86	5.7	25.	5.7	22.	0.0
15	12	82	22	.8	.04	.87	5.1	25.	2.7	22.	0.0
15	12	82	23	.9	.02	.84	5.3	25.	4.3	22.	0.0
15	12	82	24	.9	.02	.85	5.8	25.	5.3	23.	0.0

				T-BS	DT-BS	RH-BS	F-BS	D-BS	F-HER	D-HER	P-TA
16	12	82	1	1.0	.02	.86	5.8	26.	4.6	24.	0.0
16	12	82	2	1.1	.02	.83	6.4	25.	5.3	24.	0.0
16	12	82	3	1.1	.03	.88	5.2	30.	3.2	27.	0.0
16	12	82	4	1.2	.23	.78	3.5	33.	2.5	32.	0.0
16	12	82	5	2.1	.17	.64	4.7	32.	3.8	29.	0.0
16	12	82	6	2.6	.08	.60	7.2	32.	4.7	30.	0.0
16	12	82	7	2.9	.05	.60	6.2	31.	4.4	29.	.1
16	12	82	8	3.0	.08	.56	6.2	30.	3.9	29.	0.0
16	12	82	9	3.1	.10	.54	5.2	31.	2.4	30.	0.0
16	12	82	10	3.2	.04	.53	4.9	32.	2.4	32.	0.0
16	12	82	11	3.7	-.02	.50	4.5	31.	4.2	27.	0.0
16	12	82	12	3.8	-.02	.48	4.3	30.	2.6	31.	0.0
16	12	82	13	3.0	.10	.56	2.3	32.	2.3	33.	0.0
16	12	82	14	3.3	.03	.51	5.9	32.	4.9	30.	0.0
16	12	82	15	2.8	.04	.53	5.6	32.	3.6	32.	0.0
16	12	82	16	2.0	.07	.52	5.5	32.	4.9	30.	0.0
16	12	82	17	1.5	.14	.49	4.6	32.	3.7	32.	0.0
16	12	82	18	1.3	.11	.46	6.4	32.	5.5	31.	0.0
16	12	82	19	1.0	.07	.47	8.3	32.	5.8	28.	0.0
16	12	82	20	.2	.07	.50	5.4	31.	4.0	29.	0.0
16	12	82	21	-.4	.07	.51	3.2	31.	4.3	29.	0.0
16	12	82	22	-1.3	.16	.53	2.6	32.	2.2	30.	0.0
16	12	82	23	-1.5	.16	.51	4.0	32.	1.9	32.	0.0
16	12	82	24	-1.7	.14	.49	4.7	32.	1.6	33.	0.0
17	12	82	1	-1.8	.13	.49	5.0	32.	2.8	30.	0.0
17	12	82	2	-2.2	.14	.51	4.6	31.	2.5	31.	0.0
17	12	82	3	-2.5	.12	.49	4.7	31.	1.8	29.	0.0
17	12	82	4	-2.7	.11	.51	4.7	32.	2.3	33.	0.0
17	12	82	5	-3.1	.16	.55	4.4	32.	2.3	29.	0.0
17	12	82	6	-3.7	.19	.57	2.9	32.	2.1	28.	0.0
17	12	82	7	-3.9	.24	.58	3.7	33.	1.6	27.	0.0
17	12	82	8	-4.4	.22	.64	3.2	31.	1.1	26.	0.0
17	12	82	9	-5.0	.29	.70	2.6	35.	1.1	31.	0.0
17	12	82	10	-4.9	.20	.78	1.2	32.	1.2	32.	0.0
17	12	82	11	-3.9	-.10	.78	.8	25.	1.0	28.	0.0
17	12	82	12	-4.1	.11	.70	1.2	24.	1.5	28.	0.0
17	12	82	13	-3.5	.24	.72	.8	29.	2.1	32.	0.0
17	12	82	14	-3.6	.13	.74	.8	31.	2.4	1.	0.0
17	12	82	15	-3.8	.02	.79	1.5	31.	2.0	1.	0.0
17	12	82	16	-4.3	.12	.96	1.3	30.	1.4	36.	.3
17	12	82	17	-4.8	.29	.98	1.5	26.	1.5	36.	0.0
17	12	82	18	-4.7	.15	.96	2.0	30.	2.8	36.	0.0
17	12	82	19	-6.2	.46	.96	2.0	33.	2.8	1.	0.0
17	12	82	20	-7.1	.43	.97	2.1	31.	1.8	1.	0.0
17	12	82	21	-7.4	.47	.99	1.6	30.	2.2	1.	0.0
17	12	82	22	-8.5	.44	.97	1.1	32.	2.0	1.	0.0
17	12	82	23	-8.5	.37	.96	1.4	31.	2.1	36.	0.0
17	12	82	24	-8.8	.32	.96	1.8	32.	2.1	36.	0.0
18	12	82	1	-9.5	.42	.95	.5	32.	1.5	1.	0.0
18	12	82	2	-9.0	.97	.95	1.0	19.	1.1	1.	0.0
18	12	82	3	-8.2	.80	.95	1.1	24.	1.1	36.	0.0
18	12	82	4	-8.1	1.29	.95	1.6	22.	1.0	36.	0.0
18	12	82	5	-8.2	1.37	.95	.9	19.	1.0	36.	0.0
18	12	82	6	-8.0	1.59	.95	.6	1023.	1.4	36.	0.0
18	12	82	7	-7.5	1.71	.95	1.6	14.	1.3	36.	0.0
18	12	82	8	-7.3	1.55	.95	1.3	14.	1.1	36.	0.0
18	12	82	9	-6.7	1.25	.96	.6	18.	1.5	36.	0.0
18	12	82	10	-5.1	.91	.97	2.1	20.	1.2	36.	.1
18	12	82	11	-2.6	.40	.99	2.4	21.	.8	38.	.2
18	12	82	12	-1.3	.24	1.00	2.5	23.	.6	17.	0.0
18	12	82	13	-1.1	.13	.95	2.4	26.	1.5	26.	0.0
18	12	82	14	-.6	.04	.85	3.1	25.	1.6	21.	0.0
18	12	82	15	-.8	.06	.86	3.6	22.	1.9	19.	0.0
18	12	82	16	-.9	.12	.90	2.8	20.	1.8	14.	0.0
18	12	82	17	-1.1	.31	.90	2.1	19.	2.0	17.	0.0
18	12	82	18	-1.4	.27	.93	2.6	19.	2.1	16.	0.0
18	12	82	19	-1.5	.21	.92	3.0	21.	1.8	18.	0.0
18	12	82	20	-1.8	.32	.92	2.3	21.	.6	38.	0.0
18	12	82	21	-1.9	.38	.92	1.6	1023.	1.7	31.	0.0
18	12	82	22	-2.0	.35	.92	.9	1022.	1.7	36.	0.0
18	12	82	23	-1.3	.28	.87	.9	21.	1.0	36.	0.0
18	12	82	24	-1.8	.38	.90	1.2	23.	2.0	36.	0.0

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TITTEL

Meteorologiske data fra nedre Telemark. Vinteren 1982/83.

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B.Sivertsen

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FORFATTER(E)

Bjarne Sivertsen
Kjell Skaug

TILGJENGELIGHET**
A

OPPDRAGSGIVERS REF.

OPPDRAGSGIVER

Norsk Hydro, Rafnes, Porsgrunn Fabrikker, SFT kontrollseksjon

3 STIKKORD (á maks. 20 anslag)

Meteorologiske data | Statistisk bearb.

REFERAT (maks. 300 anslag, 5-10 linjer)

En statistisk bearbeiding av meteorologiske data fra nedre Telemark i perioden 1.12.82-28.2.83 viser dominerende nord-nordvestlige vinder ved Ås, og fra nord ved Herøya. Svake vinder (< 2 m/s) forekom i 32% av tiden ved Ås. Stabil og lett stabil sjiktning forekom i hhv. 14% og 57% av tiden. Middeltemperaturen var -0.8 °C. Middeltemperaturen for januar var 1.9 °C, og dette er det høyeste som er registrert siden målingene startet ved Ås i 1975. Nedbørsmengden er lik normalen for årstiden.

TITLE

Meteorological data from nedre Telemark, winter 1982/83.

ABSTRACT (max. 300 characters, 5-10 lines.

A statistical evaluation of meteorological data from nedre Telemark during winter 1982/83 show winds from northwest, ≈ 70% stable cases and a varm December and January.

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