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METEOROLOGISKE DATA FRA  
NEDRE TELEMAR, SOMMEREN 1982

AV

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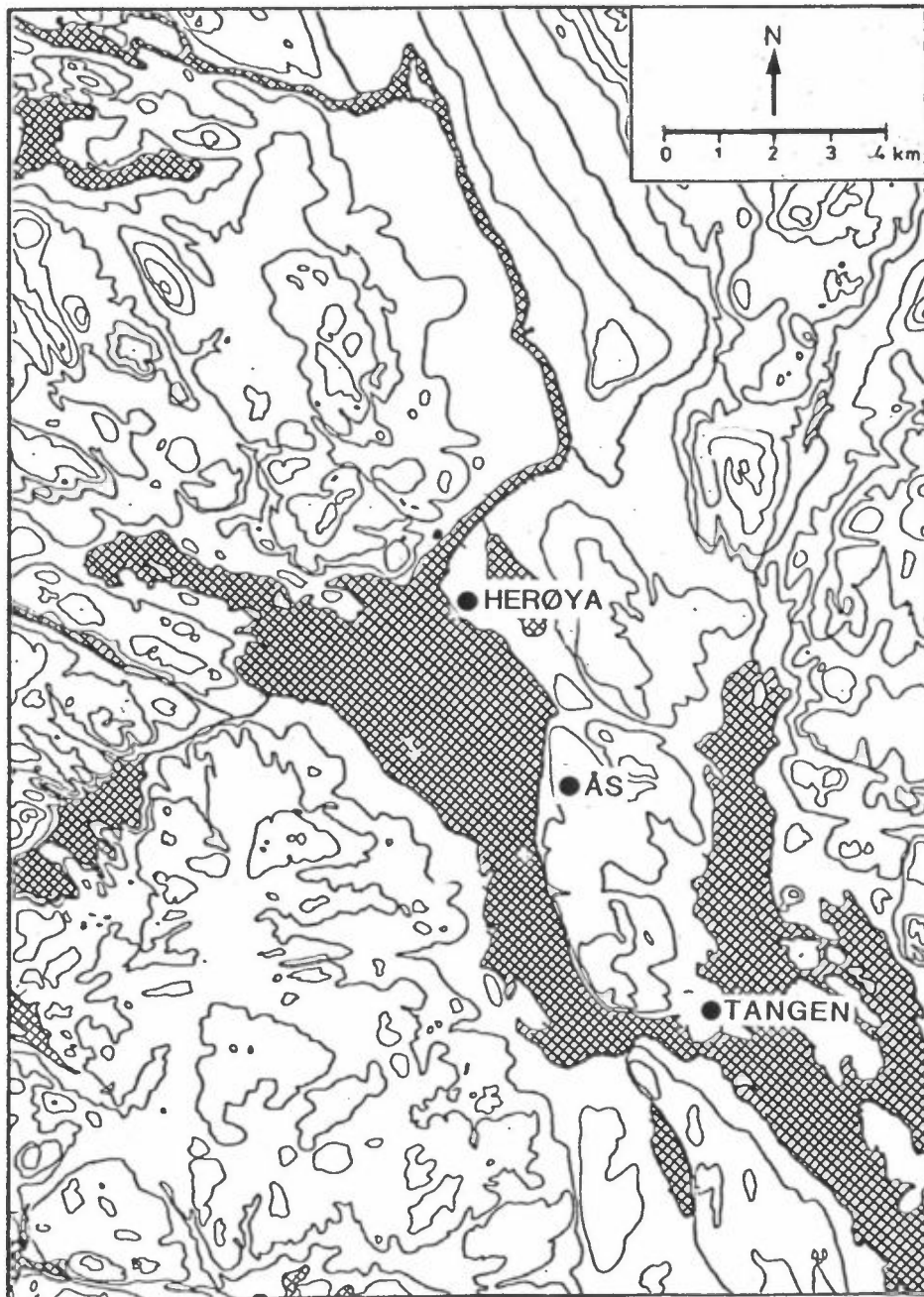
METEOROLOGISKE DATA FRA  
NEDRE TELEMAR, SOMMEREN 1982

1 INNLEDNING

Denne presentasjonen av meteorologiske data fra nedre Telemark i perioden 1.6.82-31.8.82 (sommer), 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 viderføring 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 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

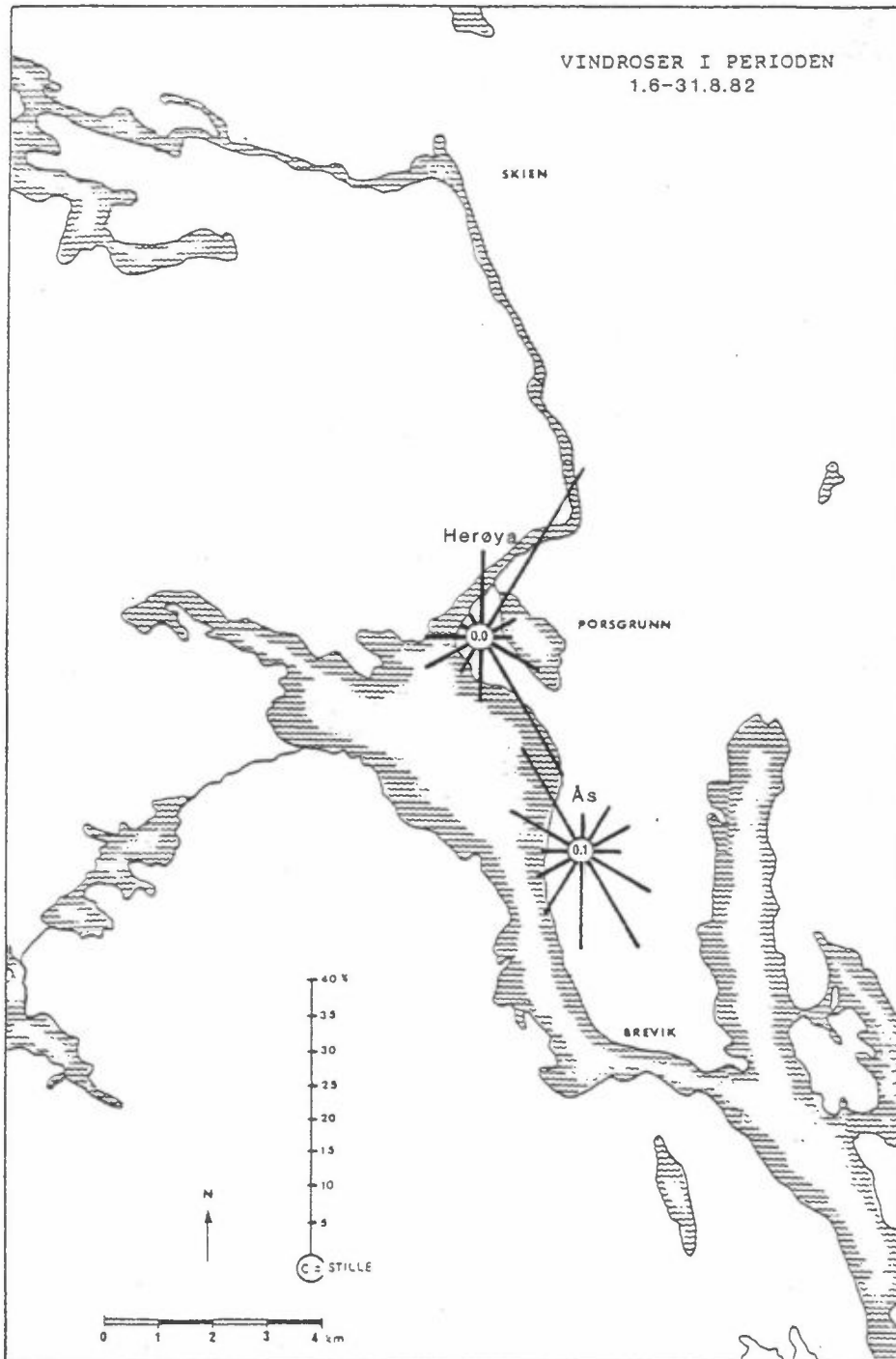
Datatilgjengeligheten fra Ås for perioden var følgende:

100% for temperatur og relativ fuktighet  
99% for vindretning og vindhastighet  
85% for temperaturdifferens.

Ved Herøya var datatilgjengeligheten 93 og 94% for henholdsvis vindretning og vindstyrke.

4 VINDFORHOLDENE

Vindroser fra alle stasjonene for sommeren 1982 er vist i figur 2.



Figur 2: Vindroser (frekvens av vind i % i 12 sektorer) fra nedre Telemark for perioden 1.6.82-31.8.82.



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

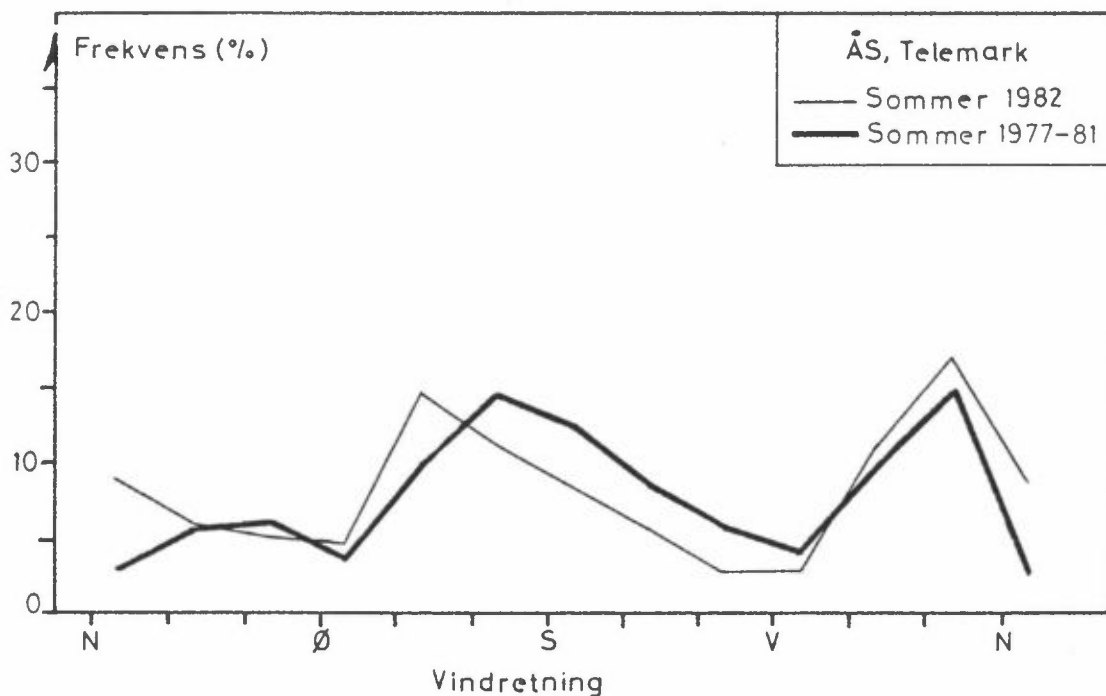
Sommeren 1982 blåste det oftest fra øst-sørøst og nord-nordvest ved Ås. Dette stemmer godt med målinger foretatt sommerperiodene 1977-81. Vind fra øst-nordøst og sør dominerte i juni. Dominerende vindretning i juli var sør-sørøst. I august dominerte vinder mellom sør-sørøst og vest-sørvest, samt vind fra nord-nordvest.

Sommeren 1982 blåste det på Ås fra omkring sørsørøst ( $SSØ \pm 45^\circ$ ) i mer enn 60% av tiden om dagen (kl. 13-19). Om natten og morgenen blåste det oftest ( $\sim 50\%$  av tiden) fra omkring nordnordvest.

På grunn av de topografiske forholdene på Herøya var fralandsvinden om natta dreiet noe mer østlig enn ved Ås.

Middelvindstyrkene for Ås og Herøya var henholdsvis 2.8 og 2.9 m/s, noe som svarer bra overens med tidligere målinger.

I figur 3 har en sammenstilt frekvensfordelingen av forskjellige vindretninger sommeren 1982 med sommersesongene 1977-81 fra Ås.

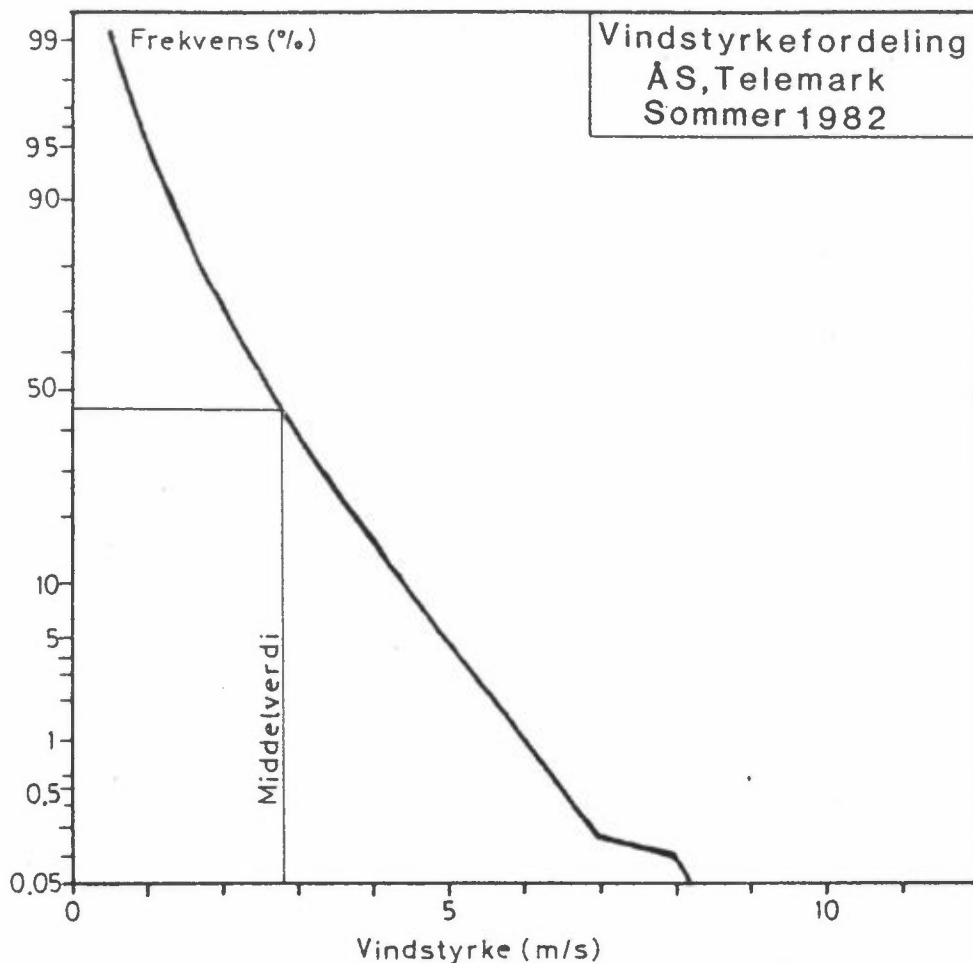


Figur 3: Frekvensfordeling av vindretninger (i 30°-sektorer) ved Ås for sommeren 1982, sammenholdt med middelfordeling for sommersesongene 1977-81 ved Ås.

Figur 3 viser at det sommeren 1982 blåste noe oftere fra øst-sør-østlig og nordlig kant og sjeldnere fra sørvest enn hva som var tilfelle i sommersesongen 1977-1981. For øvrig var vindfordelingen nær normal for perioden.

Figur 4 viser vindstyrkefordelingen ved Ås.

Vindstyrker over 6 m/s ved Ås forekom i kun 1.0% av tiden. Svake vinder, mindre enn 2 m/s forekom i 30% av tiden. I gjennomsnitt blåste det svakest fra nord-nordøstlig kant ved Ås og fra østlig kant ved Herøya. Sterkest blåste det i gjennomsnitt fra vest-nord-vestlig kant ved Ås og fra vestlig kant ved Herøya. Vindstilleprosentene for Ås og Herøya var henholdsvis 0.3 og 0.0.



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

Figur 5 viser at stabile tilfeller sommeren 1982 oftest forekom ved vind fra nord-nordvest på Ås. Dette representerer vanligvis de stabile nattsituasjonene. Instabil sjikting ble oftest registrert på dagtid ved vind fra omkring sør-sørøst. Tabell 4 viser at lett stabile sjikting oftest forekom ved vindhastigheter på 2-4 m/s fra nord-nordvestlig kant.

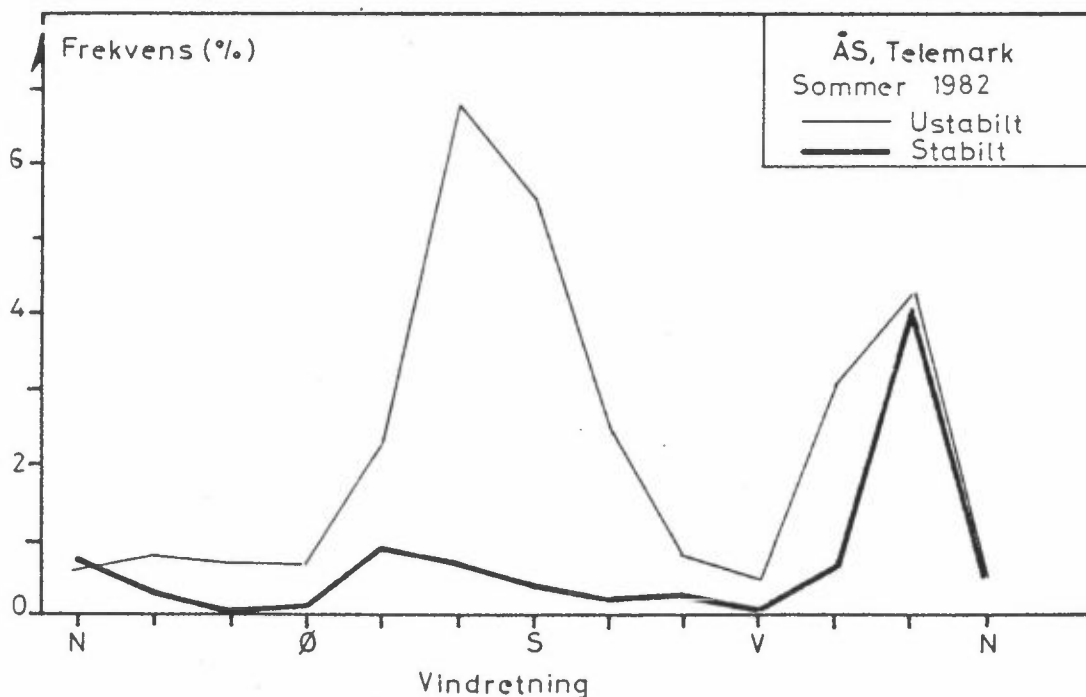
## 5 STABILITETSFORHOLDENE

Stabilitetsforholdene i fire klasser er fordelt over døgnet i tabell 3, basert på temperaturdifferansen 25-10 m på Ås. Sommeren 1982 var det 9% stabil, 29% lett stabil, 34% nøytral og 29% instabil temperatursjiking. Dette gir en litt lavere frekvens av nøytral sjiking og noe større frekvens av instabil sjiking enn det som er målt i tidligere sommersesonger. Årsaken kan være de ekstremt høye temperaturene og den kraftige soloppvarmingen i juli og august.

## 6 FREKVENS AV VIND/STABILITET

Tabell 4 gir frekvensen (i %) i 196 klasser av vind og stabilitet, basert på stabilitetsdata og vinddata fra 25 m masta på Ås.

Figur 5 viser frekvensen av stabil sjiking (inversjoner) og ustabil sjiking som funksjon av vindretningen.



Figur 5: Frekvens av stabil og ustabil sjiking som funksjon av vindretningen ved Ås sommeren 1982.

## 7 TEMPERATUR VED ÅS

Tabell 5 viser månedsvis temperatur-statistikk for Ås i perioden 1.6.82-31.8.82. Middelttemperaturen for juni var 13.8°C, juli 17.2°C og for august 15.9°C. Middelttemperaturen i juni var noe lavere enn de siste årenes middeltemperaturer ved Ås. Juli lå noe høyere, og i august var temperaturen nær normalen. Den høyeste temperaturen ble målt den 3.8.82, kl. 15 til 32.4°C, den laveste temperaturen ble målt den 14.6.82, kl. 03 til 5.6°C.

## 8 RELATIV FUKTIGHET VED ÅS

Tabell 9 viser en statistisk fordeling av den relative fuktigheten ved Ås for sommeren 1982. Månedsmiddelverdiene viser relativ fuktighet på 64% i juni, 66% i juli og 68% i august. Bortsett fra sommeren 1976, var sommeren 1982 den tørreste (gjennomsnittlig lavest fuktighet) vi har målt på Ås. I juli varierte den relative fuktigheten i gjennomsnitt fra 53% midt på dagen til 81% om natta.

## 9 NEDBØR

Kontinuerlig nedbørmålinger fra NILUs målestasjon er presentert i tabell 12. 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). Nedbørsdataene for sommerperioden ved Tangen Brevik er svært mangelfulle. For juni og juli mangler data for henholdsvis 10 og 22 døgn. Dette forklarer de store avvikene fra stasjonen på Jomfruland. Nedbøren i august var fordelt over 12 døgn og 71 timer. Dataene fra Jomfruland viser at juni og juli hadde mindre nedbør enn normalt, mens tallene for august ligger nær normalen.

10 TABELLER

- Tabell 1: Vindfrekvenser (vindrose) fra Ås 1.6.82-31.8.82.
- Tabell 2: Vindfrekvenser fra Herøya 1.6.82-31.8.82.
- Tabell 3: Fire klasser av stabiliteter fordelt over døgnet basert på målinger av temperaturforskjellen mellom 25 m og 10 m i masta på Ås 1.6.82-31.8.82.
- Tabell 4: 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 1.6.82-31.8.82.
- Tabell 5: Månedsvis temperaturstatistikk fra Ås for juni, juli og august 1982: middel-, maksimum- og minimums-temperaturer, antall observasjoner og temperatur under gitt grenser, samt midlere døgnfordeling av temperatur.
- Tabell 6: Månedsvis relativ fuktighets-statistikk fra Ås for juni, juli og august 1982. Middel-, maksimum og minimumsverdier, antall observasjoner av relativ fuktighet under gitte grenser, samt midlere døgnfordeling.
- Tabell 7: Vindfrekvenser fra Ås for juni 1982.
- Tabell 8: Vindfrekvenser fra Ås for juli 1982.
- Tabell 9: Vindfrekvenser fra Ås for august 1982.
- Tabell 10: Månedsvis stabilitetsfrekvens (i fire klasser) fordelt over døgnet, basert på målinger av temperaturforskjellen mellom 25 m og 10 m i masta på Ås: a) juni 1982, b) juli 1982, c) august 1982.
- Tabell 11: Frekvens (i %) av vind og stabilitet fra Ås (klassifisering som tabell 6) i  
a) juni 1982, b) juli 1982, c) august 1982.
- Tabell 12: Nedbørmålinger fra Tangen, Brevik i  
a) juni 1982, b) juli 1982, c) august 1982.
- Tabell 13: Månedsvise nedbørmengder.

Tabell 1:

VINDROSE FRA AS  
1/ 6-82 - 31/ 8-82

SEKTOR	VINDROSE KL.									DØGN
	1	4	7	10	13	16	19	22		
20- 40	4.7	11.0	7.7	7.6	5.4	4.3	2.2	3.3	5.8	
50- 70	6.7	5.5	6.6	4.3	5.4	2.2	2.2	7.6	6.2	
80-100	4.5	6.6	11.0	2.2	3.3	2.2	2.2	1.1	3.8	
110-130	3.4	5.5	4.4	6.5	13.0	10.9	15.4	20.7	10.1	
140-160	13.5	2.2	1.1	19.4	30.4	23.9	15.4	9.9	14.5	
170-190	5.6	4.4	5.5	6.5	15.2	34.3	25.3	13.0	12.6	
200-220	7.9	7.7	6.6	5.4	9.9	7.4	13.2	5.4	8.5	
230-250	4.5	2.2	3.3	7.6	3.3	3.3	6.6	16.3	5.7	
260-280	4.5	3.3	2.2	3.3	5.4	2.2	2.2	3.3	4.3	
290-310	9.0	9.9	8.8	25.0	4.3	5.4	12.1	9.8	10.0	
320-340	27.0	34.1	30.8	9.8	3.3	3.3	3.3	6.5	15.1	
350- 10	6.7	7.7	12.1	2.2	1.1	0.0	0.0	3.3	3.5	
STILLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.1	
ANT.OBS.	89	91	91	92	92	92	91	92	2186	
MIDL.VIND	2.4	2.4	2.4	2.6	3.5	3.5	2.8	2.5	2.8	

VINDANALYSE

DØGNMIDDEL	30	60	90	120	150	180	210	240	270	300	330	360	TOTAL
STILLE													.1
0.3- 2.0 M/S	1.3	1.1	1.2	2.9	3.6	3.2	2.4	2.1	2.1	3.3	6.5	1.9	31.7
2.1- 4.0 M/S	2.8	3.7	2.4	5.5	9.0	7.4	4.5	2.2	1.3	4.3	8.1	1.4	52.9
4.1- 6.0 M/S	1.6	1.3	.1	1.6	1.9	1.7	1.4	1.4	.8	1.9	.5	.1	14.3
OVER 6.0 M/S	.0	.1	.1	.1	.0	.0	.1	0.0	.0	.4	0.0	0.0	.9
TOTAL	5.8	6.2	3.8	10.1	14.5	12.6	8.5	5.7	4.3	10.0	15.1	3.5	100.0
MIDL.VIND M/S	3.1	3.2	2.5	2.8	2.8	2.8	2.9	2.8	2.5	3.0	2.3	2.0	2.8
ANT. OBS.	127	135	92	221	317	275	185	125	93	218	329	76	2186

MIDLERE VINDSTYRKE FOR HELE DATASETTET ER 2.8 M/S, BASERT PÅ 2190 OBSERVASJONER

Tabell 2:

VINDROSE FRA HERØYA  
1/ 6-82 - 31/ 8-82

SEKTOR	VINDROSE KL.									DØGN
	1	4	7	10	13	16	19	22		
20- 40	41.2	38.1	53.7	19.0	11.6	9.2	10.5	26.7	26.4	
50- 70	5.9	1.2	4.9	7.1	3.5	4.6	3.5	5.8	3.7	
80-100	0.0	2.4	2.4	2.4	1.2	0.0	1.2	7.0	1.9	
110-130	1.2	0.0	6.1	6.0	11.6	10.3	16.0	4.7	8.3	
140-160	4.7	6.0	4.9	21.4	31.4	42.5	40.7	19.9	20.5	
170-190	4.7	3.6	2.4	6.0	18.6	17.2	9.3	2.3	7.9	
200-220	4.7	3.6	4.9	16.7	4.7	2.3	1.2	4.7	4.6	
230-250	5.9	6.0	1.2	6.0	8.1	6.9	8.1	3.1	7.0	
260-280	5.9	2.4	4.9	9.5	4.7	4.6	9.3	10.5	6.5	
290-310	1.2	0.0	1.7	1.2	2.3	2.3	2.3	2.3	1.5	
320-340	1.2	0.0	2.4	2.4	0.0	0.0	0.0	0.0	1.2	
350- 10	25.5	36.9	11.0	2.4	2.3	0.0	0.0	8.1	10.6	
STILLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
ANT.OBS.	35	34	32	34	86	37	86	36	2046	
MIDL.VIND	2.3	2.4	2.8	2.9	3.7	3.8	2.9	2.1	2.9	

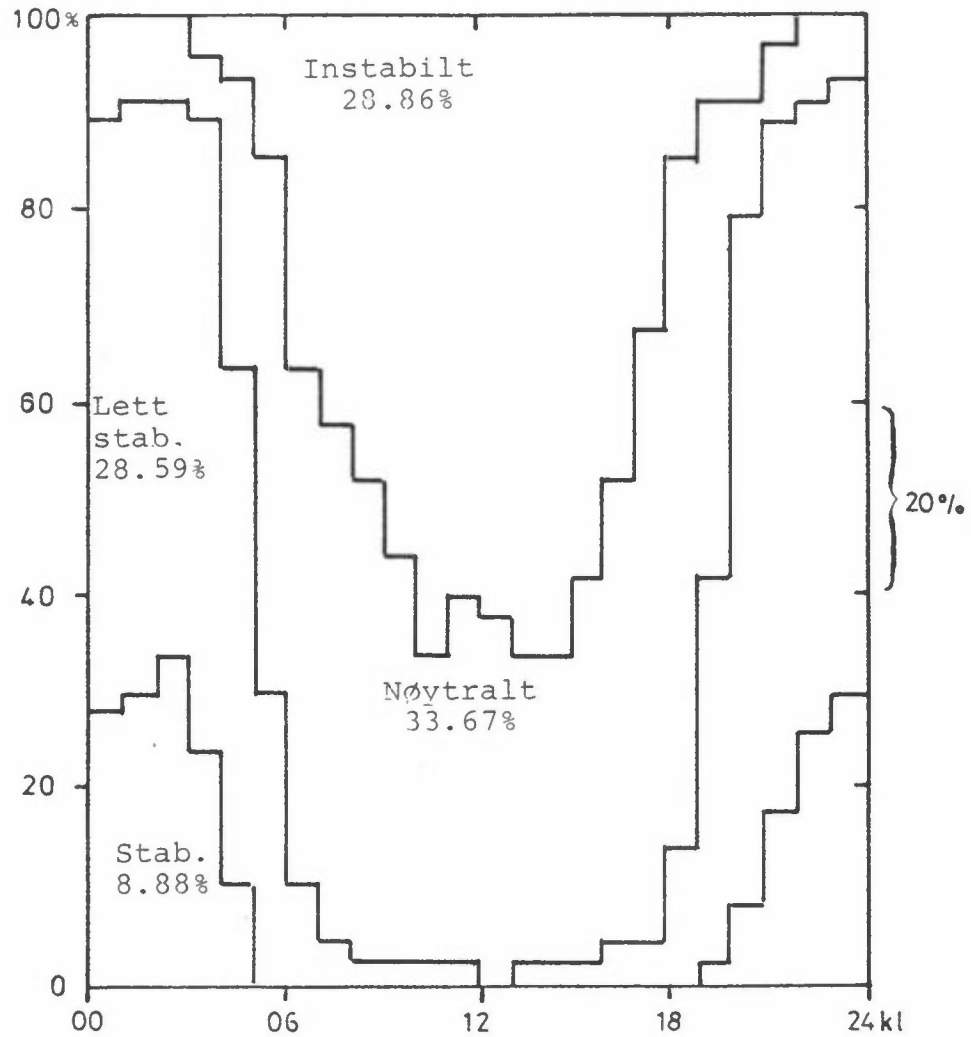
VINDANALYSE

DØGNMIDDEL	30	60	90	120	150	180	210	240	270	300	330	360	TOTAL
STILLE													0.0
0.3- 2.0 M/S	11.9	1.6	1.2	2.8	6.6	1.7	1.7	0.7	0.7	0.2	0.2	5.6	35.1
2.1- 4.0 M/S	8.0	1.6	0.5	4.8	11.4	5.1	2.7	3.9	3.1	0.7	0.8	3.7	46.4
4.1- 6.0 M/S	3.7	0.4	0.1	0.6	2.4	1.0	0.2	1.9	2.4	0.5	0.1	0.6	14.1
OVER 6.0 M/S	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.0	0.0	0.7	4.4
TOTAL	26.4	3.7	1.9	8.3	20.5	7.9	4.6	7.0	6.5	1.5	1.2	10.6	100.0
MIDL.VIND M/S	3.0	2.4	2.0	2.6	2.7	2.9	2.6	3.7	3.7	3.3	2.7	2.5	2.9
ANT. OBS.	541	75	38	170	419	161	94	143	134	30	24	217	2046

MIDLERE VINDSTYRKE FOR HELE DATASETTET ER 2.9 M/S, BASERT PÅ 2070 OBSERVASJONER

Tabell 3:

dt (25-10 m) Ås  
1.6.82-31.8.82



FREKVENNS AV FORSKJELLIGE STABILITETER  
1.6-31.8 1982

	GRUPPE 1 x=( < - .5)	GRUPPE 2 x=( - .5-<0.0)	GRUPPE 3 x=(0.0-< .5)	GRUPPE 4 x=( .5->)
1	0.00	9.78	61.96	28.26
2	0.00	7.61	61.96	30.43
3	0.00	7.61	57.61	34.78
4	3.26	7.61	65.22	23.91
5	6.52	30.43	53.26	9.78
6	13.04	57.61	29.35	0.00
7	35.87	54.35	9.78	0.00
8	41.30	54.35	4.35	0.00
9	47.83	50.00	2.17	0.00
10	56.52	42.39	1.09	0.00
11	65.22	33.70	1.09	0.00
12	60.44	38.46	1.10	0.00
13	61.96	38.04	0.00	0.00
14	65.22	33.70	1.09	0.00
15	66.30	32.61	1.09	0.00
16	57.61	41.30	1.09	0.00
17	49.91	47.83	3.26	0.00
18	51.52	64.13	4.35	0.00
19	14.13	71.74	14.13	0.00
20	9.70	48.91	40.22	2.17
21	7.61	11.96	71.74	8.70
22	1.09	8.70	71.74	18.48
23	0.00	8.70	65.22	26.09
24	0.00	6.52	63.04	30.43
	28.86	33.67	28.59	8.88



Vind: As  
 Stabilitet: dt (25-10 m)  
 Periode: 1.6.-31.8.82

Tabell 4:

1.6-31.8.82	0.0- 2.0 M/S				2.0- 4.0 M/S				4.0- 6.0 M/S				OVER		6.0 M/S		ROSE
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
50	.1	.4	.5	.2	.4	1.3	1.0	.1	.3	1.0	.3	.0	.0	.0	.0	.0	5.8
60	.0	.5	.5	.0	.5	2.0	1.1	.0	.2	1.0	.4	.0	.0	.0	.0	.0	6.3
90	.1	.5	.5	.1	.5	1.5	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	3.8
120	.2	.8	.8	.5	1.3	2.7	1.4	.4	.8	.6	.2	.0	.0	.1	.0	.0	9.9
150	.8	1.1	.9	.6	5.2	2.5	1.3	.1	.8	1.0	.2	.0	.0	.0	.0	.0	14.6
180	.4	.7	1.4	.4	4.3	2.7	.7	.0	.8	.4	.5	.0	.0	.0	.0	.0	12.4
210	.4	.6	1.2	.2	1.2	1.8	1.4	.0	.8	.6	.2	.0	.1	.0	.0	.0	8.6
240	.3	.9	.7	.3	.3	.5	1.5	.0	.2	.8	.4	.0	.0	.0	.0	.0	5.7
270	.2	.7	.9	.1	.2	.4	.9	.0	.1	.5	.1	.0	.0	.0	.0	.0	4.3
300	1.3	.8	.6	.4	1.4	.9	2.0	.3	.4	.9	.6	.0	.0	.2	.1	.0	9.9
330	2.4	.8	1.4	1.7	1.6	1.2	3.0	2.4	.3	.3	.1	.0	.0	.0	.0	.0	15.2
360	.3	.7	.5	.4	.3	.3	.7	.3	.0	.1	.0	.0	.0	.0	.0	.0	3.6
STILLE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	6.5	8.5	9.9	5.1	17.1	17.6	15.6	3.7	4.8	7.2	3.0	0.0	.3	.5	.2	0.01	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
30.0	54.0	15.0		1.0

FORDELING AV STABILITETSKLASSENE

28.8	33.7	28.7	8.8
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ANTALL TIMER = 2208, ANTALL OBSERVASJONER = 2187



Tabell 7:

VINDROSE FRA AS  
1/ 6-82 - 30/ 6-82

SEKTOR	VINDROSE KL.									DØGN
	1	4	7	10	13	16	19	22		
20- 40	10.3	33.3	13.3	16.7	10.0	6.7	6.7	6.7	12.7	
50- 70	17.2	5.3	13.3	15.3	16.7	6.7	3.3	16.7	13.7	
80-100	3.4	6.7	16.7	5.3	6.7	6.7	3.3	0.0	5.3	
110-130	3.4	10.0	6.7	15.3	15.3	16.7	23.3	23.3	12.8	
140-160	3.4	0.0	0.0	20.0	20.0	15.3	0.0	0.0	9.1	
170-190	3.4	0.0	6.7	6.7	20.0	36.7	23.3	16.7	13.5	
200-220	3.4	0.0	3.3	3.3	6.7	6.7	23.3	3.3	5.7	
230-250	0.0	3.3	0.0	0.0	0.0	0.0	3.3	16.7	3.2	
260-280	10.3	0.0	0.0	3.3	3.3	0.0	0.0	0.0	1.7	
290-310	6.9	3.3	6.7	16.7	0.0	3.3	6.7	6.7	5.4	
320-340	27.6	26.7	26.7	3.3	3.3	3.3	6.7	3.3	12.3	
350- 10	10.3	13.3	6.7	0.0	0.0	0.0	0.0	6.7	4.5	
STILLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.1	
ANT. OBS.	29	30	30	30	30	30	30	30	717	
MIDL.VIND	2.5	2.4	2.5	3.0	3.4	3.4	2.5	2.2	2.7	

VINDANALYSE

DØGNMIDDEL	30	60	90	120	150	180	210	240	270	300	330	360	TOTAL
STILLE													.1
.3- 2.0 M/S	2.1	1.1	1.3	3.5	2.4	3.6	2.4	2.4	1.3	3.6	5.6	2.8	31.9
2.1- 4.0 M/S	6.1	9.1	4.0	7.5	5.3	7.8	2.5	.8	.4	1.5	6.7	1.5	53.4
4.1- 6.0 M/S	4.3	3.5	0.0	1.8	1.4	2.0	.8	0.0	0.0	.3	0.0	.1	14.2
OVER 6.0 M/S	.1	0.0	0.0	0.0	0.0	.1	0.0	0.0	0.0	0.0	0.0	0.0	.3
TOTAL	12.7	13.7	5.3	12.8	9.1	13.5	5.7	3.2	1.7	5.4	12.3	4.5	100.0

MIDL.VIND M/S 3.3 3.4 2.6 2.8 2.8 2.9 2.6 1.6 1.6 1.8 2.1 1.8 2.7

ANT. OBS. 91 98 38 92 65 97 41 23 12 39 88 32 717

VIDLERE VINDSTYRKE FOR HELE DATASETTET ER 2.7 M/S, BASERT PÅ 718 OBSERVASJONER

Tabell 8:

VINDROSE FRA AS  
1/ 7-82 - 31/ 7-82

SEKTOR	VINDROSE KL.									DØGN
	1	4	7	10	13	16	19	22		
20- 40	10.0	0.0	6.7	6.5	6.5	3.2	0.0	3.2	4.4	
50- 70	3.3	13.3	6.7	0.0	0.0	0.0	3.3	6.5	4.8	
80-100	10.0	13.3	16.7	0.0	3.2	0.0	0.0	3.2	5.2	
110-130	3.3	3.3	6.7	6.5	12.9	9.7	13.3	19.4	9.9	
140-160	26.7	0.0	0.0	29.0	45.2	35.5	33.3	25.8	23.0	
170-190	0.0	3.3	0.0	3.2	12.9	32.3	26.7	9.7	9.8	
200-220	3.3	3.3	3.3	6.5	6.5	9.7	3.3	3.2	6.2	
230-250	0.0	0.0	6.7	6.5	0.0	0.0	3.3	3.2	2.6	
260-280	3.3	6.7	3.3	6.5	0.0	0.0	0.0	3.2	3.7	
290-310	13.3	13.3	10.0	29.0	6.5	6.5	13.3	16.1	12.4	
320-340	20.0	36.7	30.0	0.0	3.2	3.2	3.3	3.2	14.9	
350- 10	6.7	6.7	10.0	6.5	3.2	0.0	0.0	3.2	3.2	
STILLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
ANT. OBS.	30	30	30	31	31	31	30	31	727	
MIDL.VIND	2.3	2.4	2.5	2.5	3.4	3.3	3.0	2.7	2.8	

VINDANALYSE

DØGNMIDDEL	30	60	90	120	150	180	210	240	270	300	330	360	TOTAL
STILLE													0.0
.3- 2.0 M/S	1.5	1.8	1.3	2.9	4.3	1.4	1.4	1.1	2.6	3.3	4.4	1.2	28.2
2.1- 4.0 M/S	2.2	2.2	3.0	4.8	14.7	8.0	3.3	1.5	1.0	7.2	9.4	1.7	58.9
4.1- 6.0 M/S	.7	.6	.3	2.2	3.4	.4	1.2	0.0	.1	1.9	1.1	.3	12.2
OVER 6.0 M/S	0.0	.3	.1	0.0	0.0	0.0	.3	0.0	0.0	0.0	0.0	0.0	.7
TOTAL	4.4	4.8	5.2	9.9	23.0	9.8	6.2	2.6	3.7	12.4	14.9	3.2	100.0

MIDL.VIND M/S 2.6 2.8 2.7 2.9 2.9 2.3 3.2 2.1 1.8 2.9 2.7 2.4 2.8

ANT. OBS. 32 35 38 72 167 71 45 19 27 90 103 23 727

VIDLERE VINDSTYRKE FOR HELE DATASETTET ER 2.8 M/S, BASERT PÅ 729 OBSERVASJONER

Tabell 9:

VINDROSE FRA AS  
1/ 8-82 - 31/ 8-82

SEKTOR	VINDROSE KL.								DØGN
	1	4	7	10	13	16	19	22	
20- 40	0.0	0.0	3.2	0.0	0.0	3.2	0.0	0.0	.5
50- 70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.3
80-100	0.0	0.0	0.0	3.2	0.0	0.0	3.2	0.0	.8
110-130	3.3	3.2	0.0	0.0	12.9	6.5	9.7	19.4	7.7
140-160	10.0	6.5	3.2	9.7	25.8	22.4	12.9	3.2	11.5
170-190	13.3	9.7	9.7	9.7	12.9	35.5	25.8	12.9	14.4
200-220	16.7	19.4	12.9	6.5	16.1	6.5	12.9	9.7	13.3
230-250	13.3	3.2	3.2	16.1	9.7	9.7	12.9	29.0	11.2
260-280	0.0	3.2	3.2	0.0	12.9	6.5	6.5	6.5	7.3
290-310	6.7	12.9	9.7	29.0	6.5	6.5	16.1	6.5	12.0
320-340	33.3	38.7	35.5	25.8	3.2	3.2	0.0	12.9	17.9
350- 10	3.3	3.2	19.4	0.0	0.0	0.0	0.0	0.0	2.8
STILLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.3
ANT. OBS.	30	31	31	31	31	31	31	31	742
MIDL.VIND	2.3	2.3	2.3	2.5	3.6	3.7	2.9	2.6	2.8

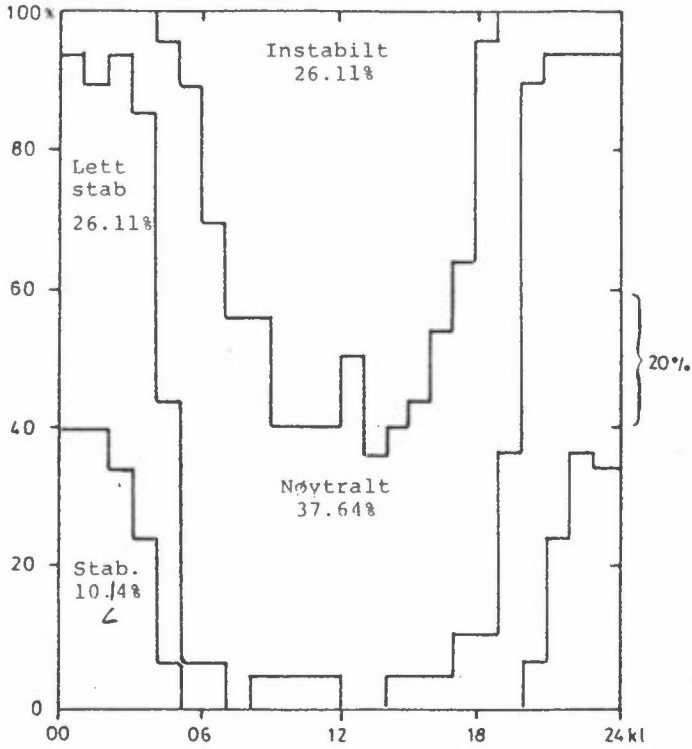
VINDANALYSE

DØS MIDDEL	30	60	90	120	150	180	210	240	270	300	330	360	TOTAL
STILLE													.3
.3- 2.0 M/S	.4	.3	.7	2.3	3.6	4.7	3.5	2.8	2.4	3.1	9.4	1.8	35.0
2.1- 4.0 M/S	.1	0.0	.1	4.3	6.9	7.0	7.7	4.3	2.6	4.3	8.2	1.1	46.6
4.1- 6.0 M/S	0.0	0.0	0.0	.7	.8	2.7	2.2	4.0	2.2	3.5	.3	0.0	16.3
OVER 6.0 M/S	0.0	0.0	0.0	.4	.1	0.0	0.0	0.0	.1	1.1	0.0	0.0	1.8
TOTAL	.5	.3	.8	7.7	11.5	14.4	13.3	11.2	7.3	12.0	17.9	2.8	100.0
MIDL.VIND M/S	1.3	1.6	1.4	2.8	2.6	2.8	2.9	3.3	3.1	3.6	2.1	1.7	2.8
ANT. OBS.	4	2	6	57	85	107	92	83	54	89	133	21	742

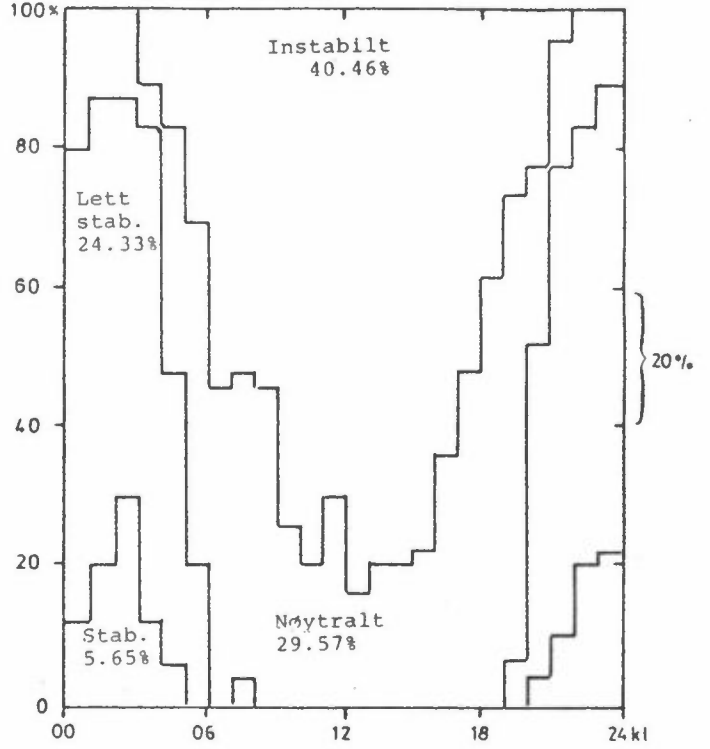
MIDLERE VINDSTYRKE FOR HELE DATASETTET ER 2.3 M/S, BASERT PÅ 743 OBSERVASJONER

Tabell 10:

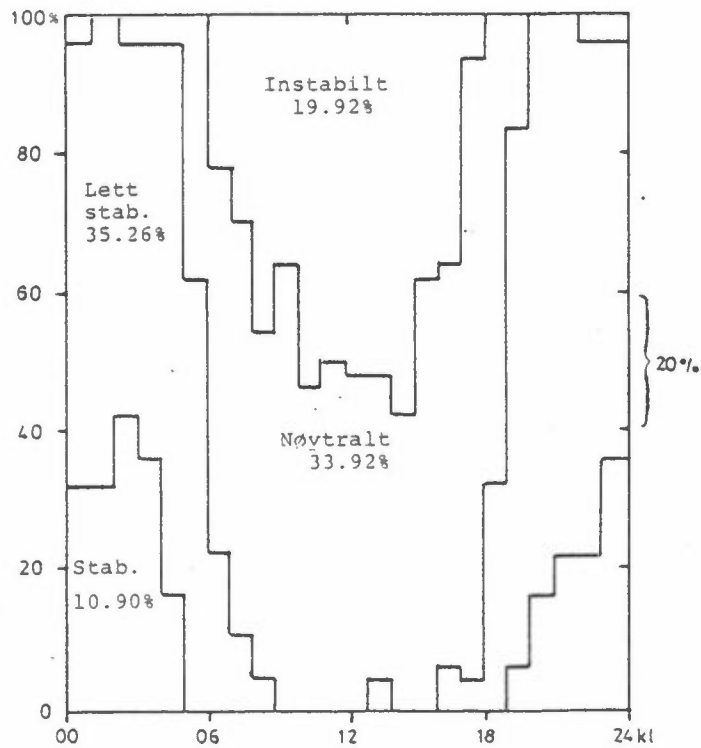
a) dt(25-10m) As  
1.6.82-30.6.82



b) dt(25-10 m) As  
1.7.82-31.7.82



c) dt(25-10 m) As  
1.8.82-31.8.82



Tabell 11a:

dT (25-10 m) Ås  
1.6.82-30.6.82

	0.0- 2.0 M/S				2.0- 4.0 M/S				4.0- 6.0 M/S				OVER 6.0 M/S				ROSE
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
30	.0	.3	1.1	.4	.7	3.1	2.5	.1	.6	2.8	1.0	.0	.0	.1	.0	.0	12.7
60	.0	.4	.6	.1	.7	5.7	2.4	.1	.3	2.5	.8	.0	.0	.0	.0	.0	13.7
90	.1	.6	.3	.3	.3	3.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4
120	.3	1.0	1.0	.8	1.4	3.6	2.4	.4	.8	.8	.3	.0	.0	.0	.0	.0	12.8
150	.7	.8	.1	.6	2.5	2.0	.8	.0	.7	.8	.7	.0	.0	.0	.0	.0	9.1
180	.7	.3	1.3	.6	6.1	1.5	.1	.1	1.8	.1	.0	.0	.1	.0	.0	.0	13.4
210	.7	.4	1.1	.3	1.0	1.4	.1	.0	.6	.1	.0	.0	.1	.0	.0	.0	5.9
240	.1	.6	1.0	.7	.1	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2
270	.0	.1	1.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5
300	1.3	.6	.8	.7	.6	.4	.3	.0	.0	.1	.1	.0	.0	.0	.0	.0	5.4
330	2.0	.8	1.3	1.5	1.1	1.3	2.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	12.4
360	.6	1.1	.7	.4	.1	.0	1.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	4.5
STILLE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	6.4	7.5	10.2	6.4	14.8	22.5	13.7	3.6	4.7	7.5	2.2	0.0	.3	.1	0.0	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
30.5	54.5	14.5	.4

FORDELING AV STABILITETSKLASSENE

26.2	37.7	26.1	10.0
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ANTALL TIMER = 720, ANTALL OBSERVASJONER = 717

Tabell 11b:

dT (25-10 m) Ås  
1.7.82-31.7.82

	0.0- 2.0 M/S				2.0- 4.0 M/S				4.0- 6.0 M/S				OVER 6.0 M/S				ROSE
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
30	.3	.7	.6	.0	.6	.8	.4	.3	.4	.1	.0	.0	.0	.0	.0	.0	4.1
60	.0	1.0	.8	.0	.7	.3	1.1	.0	.3	.4	.3	.0	.1	.0	.1	.0	5.1
90	.1	.6	.8	.0	1.1	1.4	.7	.1	.3	.0	.0	.0	.1	.0	.0	.0	5.2
120	.3	1.0	1.0	.1	1.9	2.2	.7	.0	1.4	.6	.4	.0	.0	.0	.0	.0	9.5
150	1.4	1.4	1.2	.6	9.2	3.6	2.3	.1	1.8	1.5	.1	.0	.0	.0	.0	.0	23.2
180	.3	.3	.6	.0	4.0	3.8	.6	.0	.3	.0	.1	.0	.0	.0	.0	.0	9.9
210	.1	.6	.1	.3	1.4	1.4	.1	.0	1.5	.1	.0	.0	.1	.1	.0	.0	5.9
240	.6	.7	.1	.0	.8	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7
270	.3	1.1	.8	.1	.4	.1	.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	3.7
300	1.9	1.1	.3	.1	2.6	1.0	3.0	.6	.6	.8	.3	.0	.0	.0	.0	.0	12.2
330	1.8	.4	.8	1.0	2.3	1.1	4.1	2.1	.7	.7	.1	.0	.0	.0	.0	.0	15.1
360	.3	.3	.4	.1	.4	.4	1.0	.1	.0	.1	.1	.0	.0	.0	.0	.0	3.3
STILLE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	7.3	8.9	7.6	2.3	25.4	16.2	15.1	3.3	7.1	4.4	1.6	0.0	.4	.1	.1	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
26.1	60.0	13.2	.7

FORDELING AV STABILITETSKLASSENE

40.2	29.7	24.5	5.6
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ANTALL TIMER = 744, ANTALL OBSERVASJONER = 728

Tabell 11c:

dT (25-10 m) Ås  
1.8.82-31.8.82

	0.0- 2.0 M/S				2.0- 4.0 M/S				4.0- 6.0 M/S				OVER		6.0 M/S		ROSE
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
30	.0	.3	.0	.3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7
60	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
90	.0	.3	.3	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
120	.1	.4	.5	.7	.5	2.3	1.2	.7	.1	.5	.0	.0	.0	.3	.1	.0	7.5
150	.4	1.1	1.3	.7	3.9	2.0	.8	.1	.0	.5	.4	.0	.0	.1	.0	.0	11.5
180	.3	1.1	2.4	.7	2.7	2.6	1.5	.0	.4	1.1	1.3	.0	.0	.0	.0	.0	14.0
210	.3	.8	2.4	.1	1.3	2.6	3.8	.0	.3	1.6	.5	.0	.0	.0	.0	.0	13.7
240	.1	1.3	.9	.1	.0	.9	3.5	.0	.5	2.4	1.1	.0	.0	.0	.0	.0	11.1
270	.4	.9	.8	.3	.1	.8	1.8	.0	.4	1.6	.1	.0	.0	.1	.0	.0	7.4
300	.8	.7	.7	.3	.9	1.3	2.2	.3	.7	1.6	1.5	.0	.1	.7	.3	.0	12.0
330	3.4	1.1	2.0	2.7	1.5	1.2	3.0	2.7	.1	.1	.1	.0	.0	.0	.0	.0	17.9
360	.1	.8	.3	.5	.3	.4	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	3.0
STILLE	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
TOTAL	5.9	8.9	11.9	6.6	11.3	14.3	17.9	4.2	2.6	9.6	5.1	0.0	.1	1.2	.4	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
33.5	47.7	17.3	1.8

FORDELING AV STABILITETSKLASSENE

19.9	34.0	35.3	10.8
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ANTALL TIMER = 744, ANTALL OBSERVASJONER = 742







c)

REV. IKT. TANGEN	AUG 1982				SUA MH																				
TIME DATO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SUM																									
118.5																									

ANT. TIMER M/REGN: 71  
 ANT. DAGH M/REGN: 12

STOP PLU2 UTFØRT

Tabell 13: Månedsvise nedbørmengder.

	Tangen Brevik (mm)	Jomfruland	
		(mm)	% av normal
Juni 1982	1.2 *	47	84
Juli 1982	0.0 *	32	44
August 1982	118.5	94	97

\* mangelfulle data

11 REFERANSER

- (1) Sivertsen, B. Kvartalsvise bearbejdelser 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 1977/78. 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.  
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- (7) Sivertsen, B.  
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- (8) Sivertsen, B.  
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- (9) Sivertsen, B.  
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- (10) Sivertsen, B.  
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- (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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- (15) Sivertsen, B.  
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Lillestrøm 1981. (NILU OR 21/81.)
- (16) Sivertsen, B.  
Arnesen, K. Meteorologiske data fra nedre Tele-  
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Lillestrøm 1981. (NILU OR 48/81.)
- (17) Sivertsen, B.  
Arnesen, K. Meteorologiske data fra nedre Tele-  
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Lillestrøm 1982. (NILU OR 11/82.)
- (18) Sivertsen, B.  
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mark, høsten 1981.  
Lillestrøm 1982. (NILU OR 51/82.)



VEDLEGG A

GRAFISK FREMSTILLING AV TIDSFORLØPET AV:

Temperatur (°C)

Temperaturdifferens (25-10 m)

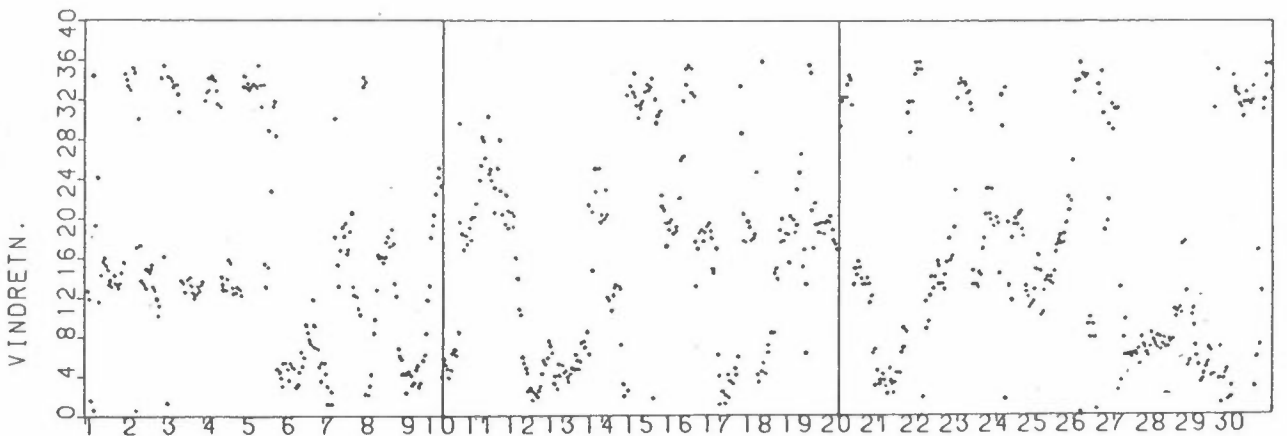
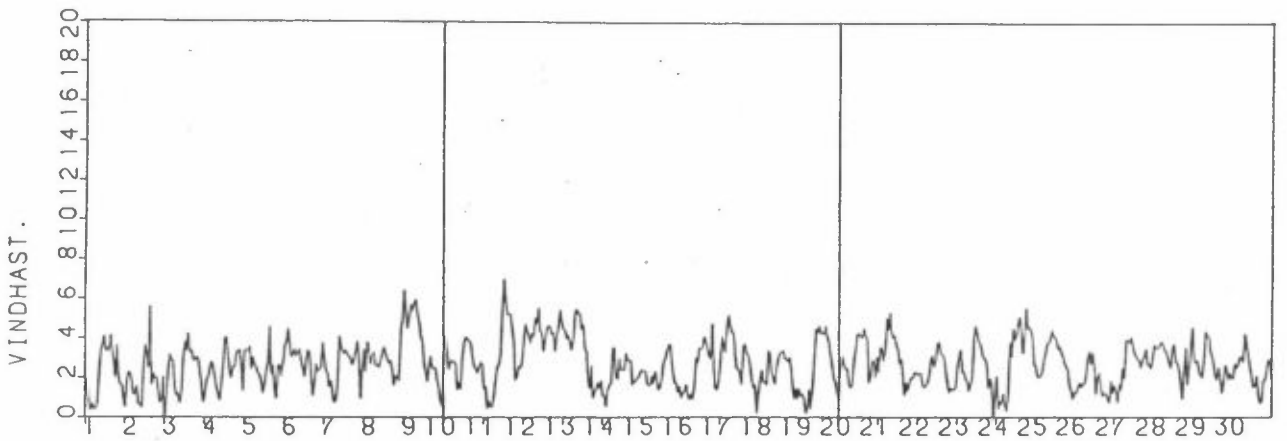
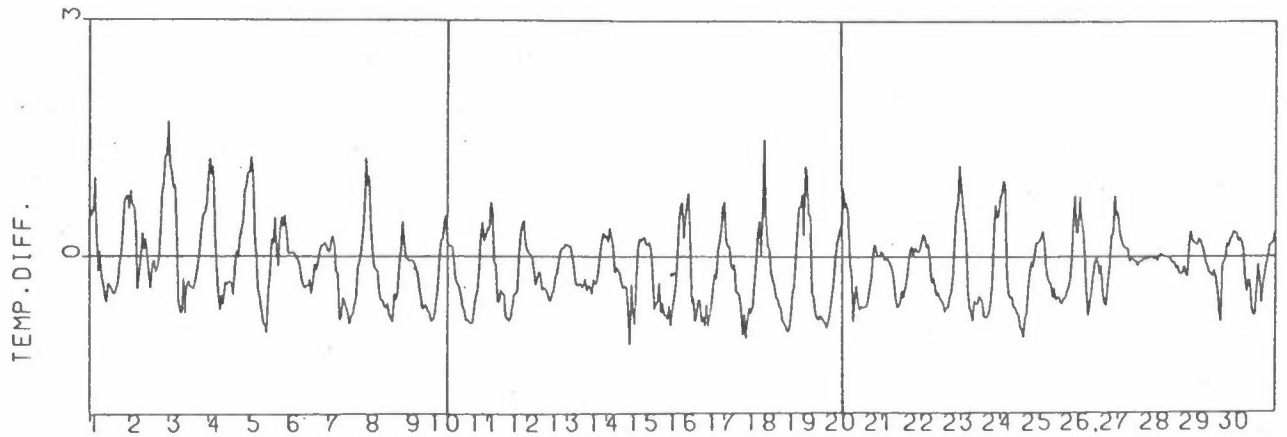
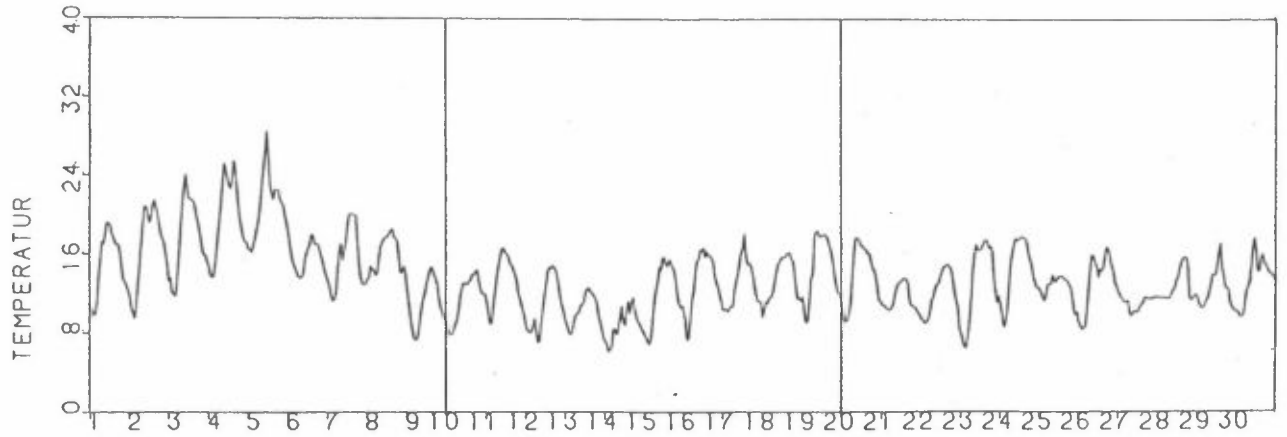
Vindhastighet (m/s)

Vindretning (dekagrader)

For månedene juni, juli, august 1982 ved Ås

STASJON: 338 ÅS

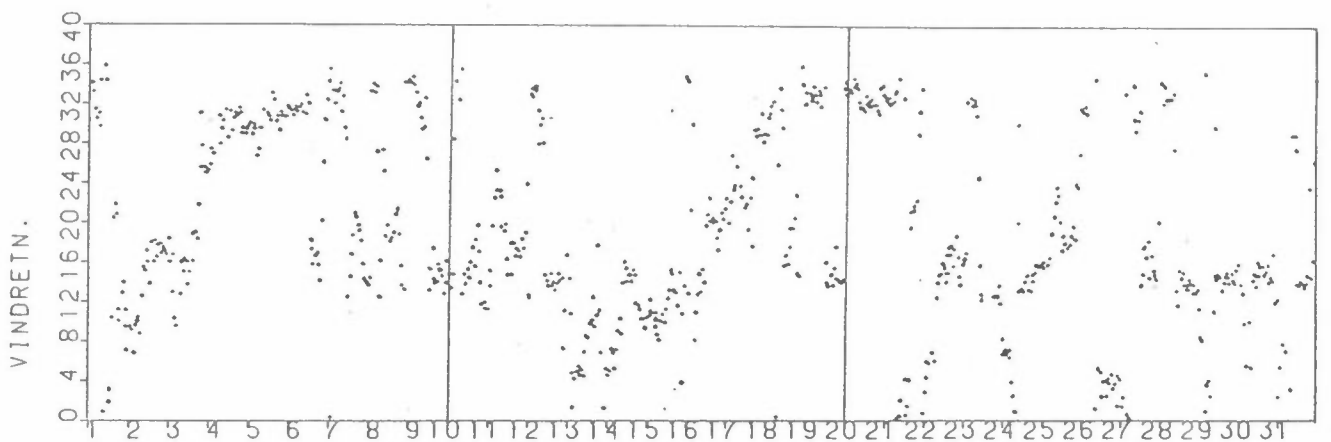
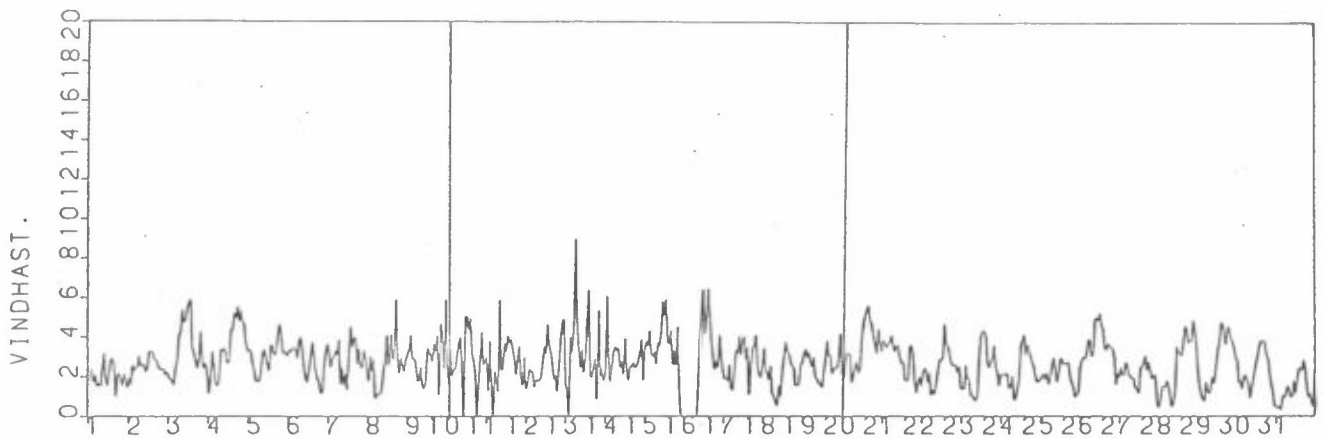
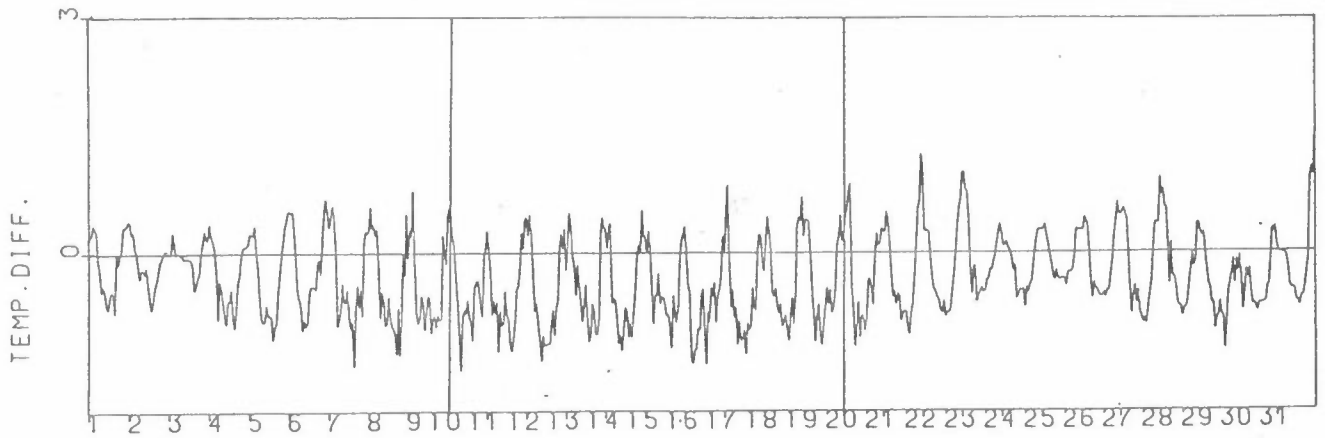
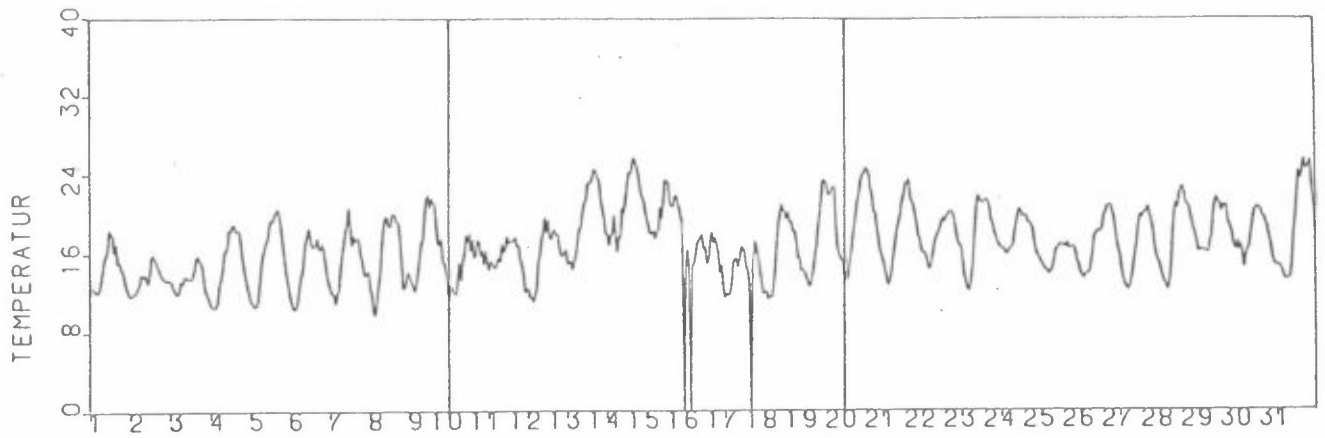
PERIODE: JUNI 1982





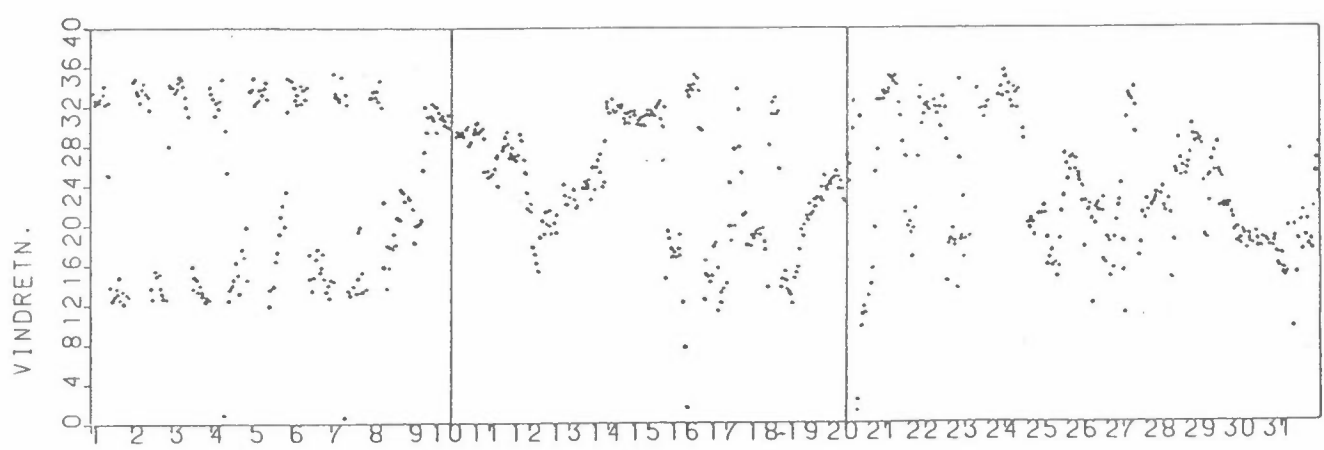
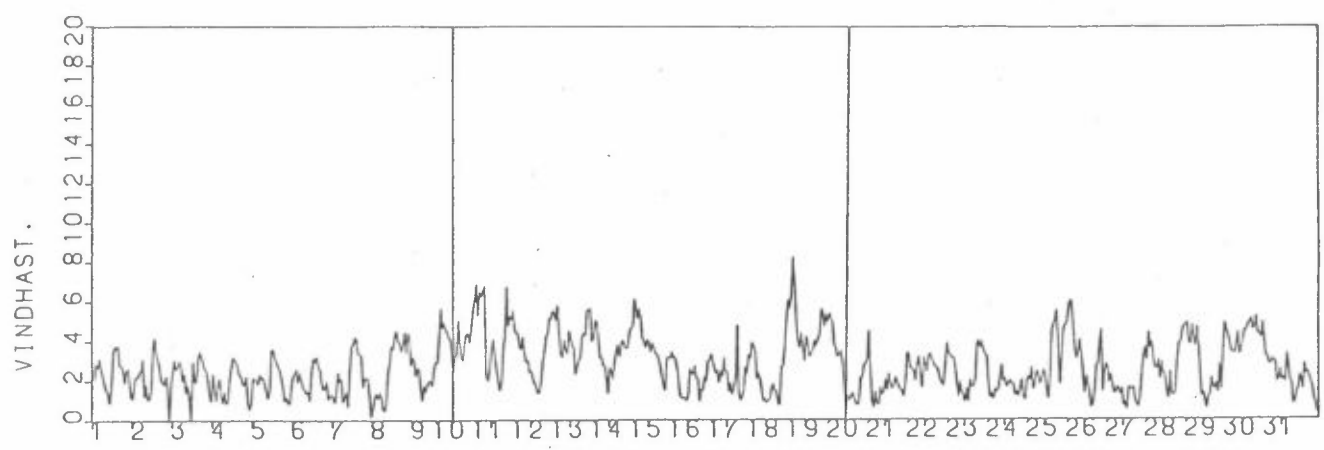
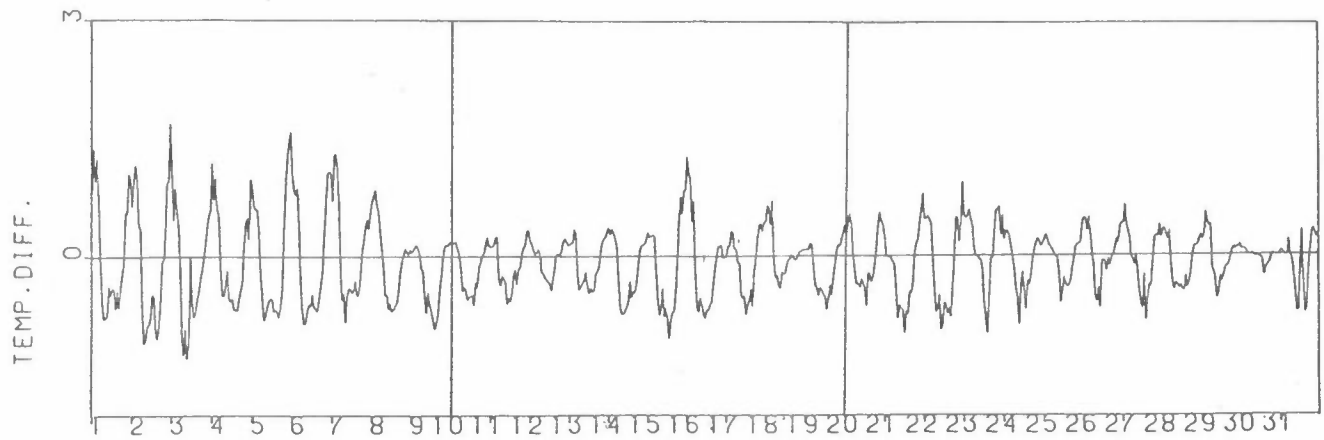
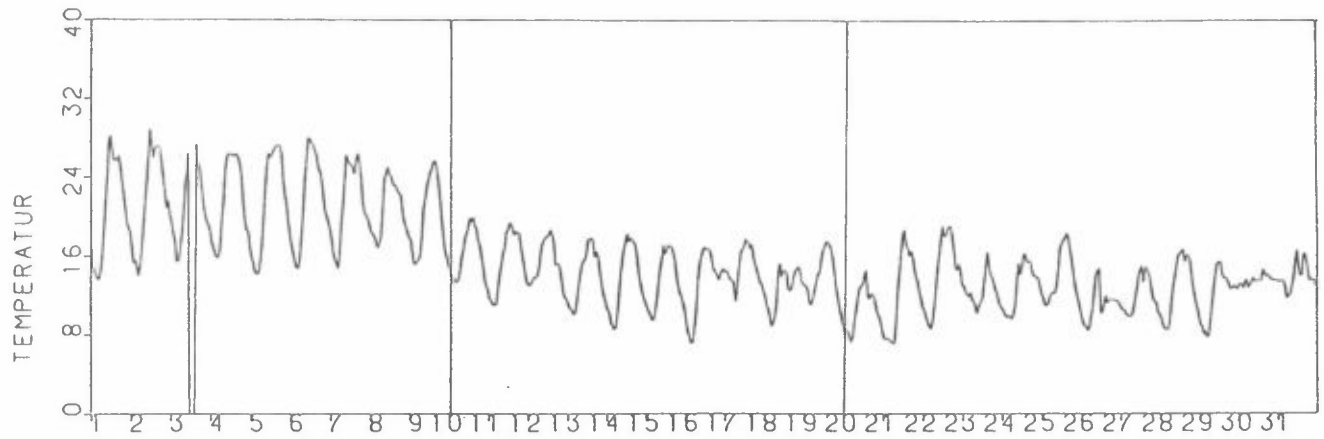
STASJON: 338 ÅS

PERIODE: JULI 1982



STASJON: 338 ÅS

PERIODE: AUG. 1982





VEDLEGG B  
LISTE AV TIMEVISE DATA FRA  
NEDRE TELEMAR  
1.6.82-31.8.82

FØLGENDE PARAMETERE ER GITT I DEN SYNOPTISKE LISTEN AV DATA:

T-ÅS = lufttemperatur ( $^{\circ}\text{C}$ ) 3 m over bakken ved Ås  
dT-ÅS = temperaturforskjell ( $^{\circ}\text{C}$ ) 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).



	FF	D-T	T10M	DD	T3M	RH		FF	D-T	T10M	DD	T3M	RH
1 6 82 1	2.1	.59	10.8	12.	10.1	.90	4 6 82 1	1.1	1.01	14.8	32.	13.9	.96
1 6 82 2	1.5	.51	10.5	13.	9.5	.90	4 6 82 2	2.0	1.24	13.9	33.	13.2	.95
1 6 82 3	.7	.58	9.8	12.	8.8	.86	4 6 82 3	2.0	1.02	13.6	33.	12.8	.97
1 6 82 4	.3	1.00	9.8	1.	8.6	.85	4 6 82 4	2.5	1.15	13.7	34.	13.1	.95
1 6 82 5	.7	.25	11.2	34.	9.6	.88	4 6 82 5	2.8	.27	15.1	34.	15.3	.83
1 6 82 6	.4	-.19	13.7	1000.	13.5	.75	4 6 82 6	2.6	-.15	16.9	34.	17.7	.70
1 6 82 7	.5	.07	15.4	19.	15.5	.68	4 6 82 7	2.1	-.48	18.5	34.	19.9	.63
1 6 82 8	.7	-.25	17.3	1024.	13.3	.55	4 6 82 8	1.5	-.68	20.5	33.	21.9	.55
1 6 82 9	2.4	-.35	17.0	11.	17.7	.58	4 6 82 9	1.2	-.49	22.9	31.	23.7	.46
1 6 82 10	3.4	-.51	18.1	14.	18.9	.51	4 6 82 10	.9	-.61	25.2	31.	26.3	.40
1 6 82 11	3.7	-.58	19.2	16.	20.0	.46	4 6 82 11	1.7	-.32	24.6	14.	25.1	.49
1 6 82 12	4.1	-.34	19.2	16.	20.2	.47	4 6 82 12	2.7	-.37	23.8	13.	24.3	.55
1 6 82 13	3.3	-.37	18.9	15.	19.9	.51	4 6 82 13	4.0	-.32	23.0	13.	23.6	.56
1 6 82 14	3.6	-.42	18.0	15.	19.0	.53	4 6 82 14	4.1	-.32	22.6	13.	23.2	.57
1 6 82 15	3.3	-.47	17.7	14.	18.7	.60	4 6 82 15	3.2	-.34	23.5	14.	24.0	.58
1 6 82 16	4.2	-.47	17.1	13.	17.9	.61	4 6 82 16	2.3	-.49	25.5	16.	26.2	.51
1 6 82 17	3.4	-.40	17.0	13.	17.7	.62	4 6 82 17	2.0	-.11	24.6	15.	25.0	.52
1 6 82 18	2.8	-.32	16.9	14.	17.5	.63	4 6 82 18	2.6	.07	22.4	13.	22.6	.58
1 6 82 19	2.0	-.09	16.1	13.	16.5	.69	4 6 82 19	2.5	-.02	20.8	12.	20.9	.65
1 6 82 20	3.7	.02	14.6	13.	14.4	.82	4 6 82 20	3.3	.23	19.5	13.	19.4	.72
1 6 82 21	2.0	.31	13.4	13.	13.2	.87	4 6 82 21	3.4	.35	18.5	13.	18.3	.80
1 6 82 22	1.6	.69	15.2	13.	12.8	.97	4 6 82 22	3.4	.45	17.7	13.	17.6	.86
1 6 82 23	1.7	.75	12.8	14.	12.3	.90	4 6 82 23	2.8	.83	17.3	12.	16.9	.89
1 6 82 24	1.0	.78	12.3	16.	11.5	.91	4 6 82 24	1.4	.91	17.2	1034.	16.0	.90
2 6 82 1	.5	.59	11.7	1034.	10.7	.91	5 6 82 1	3.4	1.07	16.5	33.	15.9	.90
2 6 82 2	1.9	.84	10.5	34.	9.8	.90	5 6 82 2	3.4	1.06	16.5	33.	15.8	.88
2 6 82 3	2.3	.64	10.1	33.	9.2	.89	5 6 82 3	3.4	1.26	16.2	34.	15.4	.88
2 6 82 4	2.2	.64	9.5	33.	8.7	.85	5 6 82 4	3.6	1.05	16.7	33.	15.9	.81
2 6 82 5	1.9	.38	10.7	35.	10.0	.80	5 6 82 5	2.4	.24	17.6	33.	17.3	.72
2 6 82 6	1.1	-.42	12.8	35.	12.7	.81	5 6 82 6	3.1	-.02	18.5	33.	19.2	.63
2 6 82 7	1.2	-.26	14.6	1.	15.9	.65	5 6 82 7	2.7	-.43	19.2	33.	20.7	.62
2 6 82 8	1.6	-.02	16.8	1017.	18.1	.52	5 6 82 8	2.5	-.53	20.7	33.	22.3	.56
2 6 82 9	.7	.30	18.9	1030.	19.4	.50	5 6 82 9	2.3	-.68	22.8	35.	24.5	.50
2 6 82 10	.7	.08	20.9	17.	21.6	.47	5 6 82 10	2.2	-.85	24.8	33.	26.7	.46
2 6 82 11	.5	.23	20.8	13.	21.4	.39	5 6 82 11	1.8	-.87	26.4	31.	27.7	.42
2 6 82 12	2.5	.00	20.2	13.	20.9	.39	5 6 82 12	1.2	-.97	28.4	33.	30.1	.31
2 6 82 13	3.7	-.26	19.2	13.	19.9	.44	5 6 82 13	1.8	-.41	25.7	15.	26.2	.51
2 6 82 14	3.3	-.41	19.6	15.	20.6	.36	5 6 82 14	2.4	-.21	23.0	13.	23.5	.62
2 6 82 15	2.5	-.09	21.0	14.	21.8	.48	5 6 82 15	2.7	.22	22.2	15.	22.4	.66
2 6 82 16	5.6	-.05	21.4	1015.	22.8	.23	5 6 82 16	4.6	.15	21.6	29.	21.7	.57
2 6 82 17	1.6	-.20	20.8	1015.	21.6	.43	5 6 82 17	2.2	.50	22.6	1023.	21.5	.64
2 6 82 18	2.2	-.16	19.9	13.	20.5	.45	5 6 82 18	2.6	.06	22.5	31.	23.3	.61
2 6 82 19	2.0	-.02	19.0	13.	19.2	.51	5 6 82 19	1.5	-.13	22.5	32.	22.9	.66
2 6 82 20	2.0	.33	18.1	12.	17.7	.53	5 6 82 20	1.0	.32	21.5	28.	21.0	.76
2 6 82 21	1.3	.81	17.5	10.	16.5	.52	5 6 82 21	2.6	.50	21.3	5.	20.7	.71
2 6 82 22	.8	.92	17.1	11.	15.4	.53	5 6 82 22	2.7	.37	20.9	4.	20.3	.65
2 6 82 23	.8	1.26	16.2	1034.	14.9	.52	5 6 82 23	2.1	.53	20.0	4.	19.0	.68
2 6 82 24	2.1	1.28	15.0	35.	13.5	.68	5 6 82 24	2.8	.30	19.2	3.	18.5	.71
3 6 82 1	99.0	1.71	13.2	1016.	6.8	.72	6 6 82 1	3.6	.04	18.3	5.	18.5	.71
3 6 82 2	1.0	1.14	13.6	1001.	99.0	.67	6 6 82 2	3.8	.04	17.0	5.	17.1	.71
3 6 82 3	2.4	1.07	12.1	34.	99.0	.91	6 6 82 3	4.5	.05	15.9	5.	16.0	.70
3 6 82 4	3.2	.86	12.0	34.	99.0	.82	6 6 82 4	3.8	.06	15.2	4.	15.3	.65
3 6 82 5	2.9	.91	11.7	34.	99.0	.90	6 6 82 5	3.1	.02	14.7	5.	14.8	.64
3 6 82 6	2.9	.20	13.3	33.	7.6	.69	6 6 82 6	3.2	-.03	14.3	5.	14.5	.63
3 6 82 7	1.5	-.56	15.4	33.	99.0	.73	6 6 82 7	3.5	-.05	13.8	5.	14.0	.63
3 6 82 8	1.1	-.70	18.4	33.	99.0	.63	6 6 82 8	3.1	-.13	13.6	3.	14.0	.64
3 6 82 9	1.2	-.72	20.8	32.	99.0	.55	6 6 82 9	3.3	-.28	13.7	3.	14.5	.61
3 6 82 10	.7	-.28	23.0	31.	99.0	.40	6 6 82 10	3.5	-.37	14.0	4.	15.0	.58
3 6 82 11	1.2	-.73	24.1	1014.	99.0	.38	6 6 82 11	2.8	-.41	15.4	6.	16.4	.51
3 6 82 12	3.0	-.36	22.5	13.	99.0	.44	6 6 82 12	2.5	-.37	16.1	5.	17.4	.49
3 6 82 13	3.8	-.31	21.6	13.	22.1	.44	6 6 82 13	2.0	-.38	16.6	6.	17.5	.48
3 6 82 14	3.3	-.38	21.6	2013.	22.2	.46	6 6 82 14	2.8	-.29	17.0	9.	17.6	.47
3 6 82 15	4.3	-.39	21.5	14.	22.0	.46	6 6 82 15	3.4	-.48	18.0	9.	19.0	.44
3 6 82 16	3.3	-.42	21.3	14.	21.9	.48	6 6 82 16	3.3	-.32	17.9	8.	18.7	.46
3 6 82 17	3.4	-.31	20.5	13.	21.0	.50	6 6 82 17	2.3	-.10	17.0	7.	17.4	.49
3 6 82 18	2.9	-.19	19.6	12.	20.1	.60	6 6 82 18	1.1	-.18	17.2	12.	17.5	.50
3 6 82 19	2.9	-.05	18.8	12.	19.0	.66	6 6 82 19	1.7	-.07	17.0	9.	17.3	.48
3 6 82 20	3.1	.16	17.9	12.	17.8	.71	6 6 82 20	2.7	.07	16.4	7.	16.7	.35
3 6 82 21	2.9	.42	16.6	13.	16.4	.84	6 6 82 21	2.3	.14	15.8	7.	15.8	.30
3 6 82 22	2.3	.54	15.9	13.	15.7	.90	6 6 82 22	2.5	.13	15.2	5.	15.2	.33
3 6 82 23	1.7	.56	14.0	13.	15.6	.93	6 6 82 23	2.5	.18	14.4	3.	14.0	.40
3 6 82 24	.8	.67	15.3	1014.	14.6	.96	6 6 82 24	3.8	.14	13.9	5.	13.8	.37

FF	D-T	T10M	DD	T3M	RH	FF	D-T	T10M	DD	T3M	RH	FF	D-T	T10M	DD	T3M	RH
7	6 82 1	3.1	.06	13.3	5.	13.3	.38	10	6 82 1	3.6	.15	8.7	6.	8.3	.58		
7	6 82 2	2.3	.06	12.7	4.	12.5	.41	10	6 82 2	4.0	.14	8.0	5.	7.7	.50		
7	6 82 3	2.3	.21	11.9	3.	11.1	.45	10	6 82 3	3.3	.12	7.9	5.	7.5	.46		
7	6 82 4	1.5	.26	11.3	1.	10.4	.51	10	6 82 4	2.4	.13	7.8	4.	7.4	.45		
7	6 82 5	1.9	.11	11.5	2.	11.0	.51	10	6 82 5	2.8	-.11	8.3	5.	8.1	.43		
7	6 82 6	1.3	-.21	12.2	1.	12.4	.53	10	6 82 6	2.9	-.31	8.3	6.	9.4	.44		
7	6 82 7	.8	-.70	14.5	30.	15.4	.45	10	6 82 7	2.8	-.36	9.4	7.	10.2	.43		
7	6 82 8	.8	-.81	16.6	18.	17.6	.39	10	6 82 8	2.7	-.40	10.2	6.	10.9	.40		
7	6 82 9	1.5	-.78	17.1	15.	18.2	.42	10	6 82 9	1.4	-.50	11.7	1008.	12.4	.34		
7	6 82 10	4.1	-.52	15.4	13.	16.2	.49	10	6 82 10	1.8	-.66	12.5	29.	13.6	.36		
7	6 82 11	3.7	-.57	16.3	17.	17.2	.53	10	6 82 11	1.4	-.69	13.1	1019.	14.0	.35		
7	6 82 12	3.4	-.65	17.3	19.	18.5	.55	10	6 82 12	3.0	-.82	13.0	13.	14.0	.39		
7	6 82 13	3.2	-.72	19.2	18.	20.5	.55	10	6 82 13	3.8	-.80	12.8	17.	13.9	.33		
7	6 82 14	3.4	-.86	20.1	19.	21.4	.55	10	6 82 14	4.1	-.85	13.3	18.	14.4	.41		
7	6 82 15	3.2	-.75	20.2	16.	21.2	.55	10	6 82 15	3.9	-.86	13.3	17.	14.5	.46		
7	6 82 16	3.1	-.75	20.1	17.	21.1	.56	10	6 82 16	3.9	-.85	13.9	19.	15.1	.48		
7	6 82 17	2.9	-.63	20.0	19.	21.1	.58	10	6 82 17	3.8	-.64	13.9	18.	14.8	.52		
7	6 82 18	2.7	-.52	19.9	21.	21.0	.60	10	6 82 18	3.1	-.50	14.1	20.	15.0	.59		
7	6 82 19	3.0	-.13	17.4	13.	17.7	.77	10	6 82 19	2.6	-.43	14.4	20.	15.0	.63		
7	6 82 20	3.3	-.08	15.1	12.	15.0	.88	10	6 82 20	2.5	-.13	13.4	20.	13.2	.70		
7	6 82 21	3.8	.06	13.7	12.	13.7	.96	10	6 82 21	2.2	.29	12.5	21.	12.1	.72		
7	6 82 22	2.9	.24	13.1	11.	12.9	.96	10	6 82 22	2.5	.43	12.7	1024.	11.1	.69		
7	6 82 23	1.0	.57	12.9	10.	12.2	.97	10	6 82 23	2.8	.18	12.0	25.	11.5	.64		
7	6 82 24	2.4	1.25	13.0	33.	12.0	.95	10	6 82 24	2.7	.24	11.8	28.	10.8	.65		
8	6 82 1	3.5	.89	13.5	34.	12.9	.90	11	6 82 1	1.4	.36	11.1	28.	10.0	.71		
8	6 82 2	2.3	1.02	13.6	34.	12.5	.88	11	6 82 2	1.6	.31	9.9	26.	8.7	.75		
8	6 82 3	3.8	.36	14.8	2.	14.1	.70	11	6 82 3	.4	.68	8.9	1030.	7.3	.85		
8	6 82 4	3.5	.10	14.4	2.	14.1	.68	11	6 82 4	.8	.59	9.0	24.	7.8	.87		
8	6 82 5	2.7	-.14	14.5	3.	14.6	.64	11	6 82 5	.5	-.09	11.0	25.	9.3	.77		
8	6 82 6	3.1	-.16	13.9	4.	14.4	.73	11	6 82 6	.5	-.10	12.2	24.	12.4	.65		
8	6 82 7	3.3	-.19	14.1	8.	14.5	.76	11	6 82 7	1.1	-.58	13.9	20.	14.7	.57		
8	6 82 8	2.6	-.44	15.7	10.	16.5	.69	11	6 82 8	2.0	-.59	14.8	23.	16.0	.49		
8	6 82 9	2.7	-.56	16.9	13.	17.9	.64	11	6 82 9	2.6	-.43	15.8	25.	16.6	.46		
8	6 82 10	2.5	-.56	17.2	14.	18.3	.61	11	6 82 10	2.7	-.48	16.5	28.	17.5	.36		
8	6 82 11	2.9	-.64	17.6	16.	18.8	.55	11	6 82 11	3.2	-.48	16.6	23.	17.4	.37		
8	6 82 12	3.2	-.66	17.8	14.	18.9	.49	11	6 82 12	5.4	-.78	16.0	20.	17.4	.48		
8	6 82 13	3.6	-.60	17.7	15.	18.9	.46	11	6 82 13	7.0	-.79	16.0	19.	17.1	.47		
8	6 82 14	3.3	-.74	18.1	16.	19.3	.42	11	6 82 14	6.0	-.83	15.6	22.	16.8	.45		
8	6 82 15	2.9	-.79	18.4	18.	19.6	.41	11	6 82 15	5.1	-.78	14.9	19.	16.0	.46		
8	6 82 16	2.7	-.83	18.4	18.	19.8	.40	11	6 82 16	5.3	-.64	14.8	21.	15.7	.36		
8	6 82 17	2.9	-.47	17.8	17.	18.6	.42	11	6 82 17	5.2	-.49	14.3	20.	15.1	.47		
8	6 82 18	2.4	-.54	17.6	19.	18.5	.45	11	6 82 18	4.4	-.48	13.9	19.	14.8	.51		
8	6 82 19	1.6	-.46	17.4	17.	18.0	.43	11	6 82 19	3.8	-.44	13.2	20.	13.6	.58		
8	6 82 20	2.1	-.15	15.7	13.	15.4	.73	11	6 82 20	1.9	-.01	12.1	16.	11.9	.66		
8	6 82 21	2.1	.08	14.1	12.	14.1	.89	11	6 82 21	2.1	.29	11.4	14.	10.8	.78		
8	6 82 22	1.8	.44	14.2	7.	13.8	.85	11	6 82 22	2.6	.40	10.3	11.	10.0	.84		
8	6 82 23	4.4	.18	14.8	6.	14.6	.63	11	6 82 23	2.5	.45	10.1	10.	9.2	.87		
8	6 82 24	4.9	-.02	13.9	6.	14.1	.37	11	6 82 24	2.8	.16	9.4	6.	8.9	.87		
9	6 82 1	6.4	-.04	12.3	4.	12.3	.35	12	6 82 1	3.9	.08	8.5	5.	8.2	.91		
9	6 82 2	5.4	-.06	10.9	4.	10.8	.38	12	6 82 2	4.7	.03	8.1	5.	8.0	.91		
9	6 82 3	4.5	-.06	9.6	2.	9.4	.41	12	6 82 3	4.4	.02	8.0	4.	7.8	.91		
9	6 82 4	5.0	-.05	8.4	4.	8.3	.41	12	6 82 4	4.2	-.02	8.0	2.	7.8	.86		
9	6 82 5	5.7	-.09	7.5	4.	7.5	.42	12	6 82 5	5.7	-.17	8.4	3.	8.8	.77		
9	6 82 6	5.4	-.15	7.3	3.	7.6	.43	12	6 82 6	4.3	-.37	9.4	2.	10.4	.68		
9	6 82 7	5.8	-.23	7.4	3.	7.8	.42	12	6 82 7	4.1	-.30	8.2	1.	8.9	.71		
9	6 82 8	5.9	-.40	9.5	5.	9.2	.39	12	6 82 8	5.0	-.20	7.0	2.	7.4	.73		
9	6 82 9	5.2	-.53	9.9	5.	11.0	.36	12	6 82 9	4.7	-.22	7.1	2.	7.6	.64		
9	6 82 10	4.8	-.68	11.1	5.	12.7	.34	12	6 82 10	5.5	-.44	9.0	2.	9.9	.52		
9	6 82 11	4.1	-.63	11.7	5.	13.0	.34	12	6 82 11	4.3	-.40	10.3	3.	11.0	.47		
9	6 82 12	3.8	-.62	12.5	6.	13.9	.33	12	6 82 12	4.3	-.42	11.6	4.	12.4	.44		
9	6 82 13	2.7	-.70	13.5	6.	14.9	.31	12	6 82 13	3.4	-.46	12.9	5.	14.0	.42		
9	6 82 14	2.3	-.71	14.1	8.	15.3	.31	12	6 82 14	3.9	-.56	14.2	5.	15.5	.38		
9	6 82 15	1.8	-.83	14.7	12.	16.0	.29	12	6 82 15	4.5	-.58	14.6	6.	15.8	.34		
9	6 82 16	2.6	-.81	14.6	13.	15.4	.29	12	6 82 16	4.7	-.47	14.4	7.	15.3	.33		
9	6 82 17	3.1	-.78	13.9	18.	15.0	.34	12	6 82 17	4.5	-.44	14.8	7.	15.8	.29		
9	6 82 18	2.5	-.57	13.5	19.	14.3	.34	12	6 82 18	4.2	-.26	14.7	6.	15.4	.26		
9	6 82 19	2.4	-.43	12.9	20.	13.5	.37	12	6 82 19	4.3	-.22	14.2	3.	14.7	.28		
9	6 82 20	2.6	-.03	11.5	22.	11.1	.46	12	6 82 20	3.3	-.07	13.6	4.	13.1	.33		
9	6 82 21	1.9	.21	10.6	24.	10.1	.51	12	6 82 21	4.1	.05	12.3	3.	11.9	.35		
9	6 82 22	1.6	.21	10.1	25.	9.5	.54	12	6 82 22	4.6	.10	11.3	4.	10.7	.37		
9	6 82 23	.9	.44	9.5	23.	8.5	.63	12	6 82 23	5.4	.10	10.5	5.	10.1	.37		
9	6 82 24	.6	.52	9.3	1004.	7.8	.69	12	6 82 24	4.8	.15	9.9	5.	9.4	.39		



	FF	D-T	T10M	DD	T3M	RH		FF	D-T	T10M	DD	T3M	RH
13 6 82 1	4.4	.14	9.1	4.	8.7	.42	16 6 82 1	1.0	.43	10.1	26.	8.1	.60
13 6 82 2	4.4	.12	8.7	4.	8.3	.45	16 6 82 2	1.3	.68	9.2	32.	7.2	.72
13 6 82 3	4.0	.13	8.0	4.	7.6	.51	16 6 82 3	1.3	.78	7.3	33.	6.4	.88
13 6 82 4	4.1	.02	7.8	3.	7.5	.55	16 6 82 4	1.7	.31	7.4	35.	6.8	.80
13 6 82 5	3.7	-.11	8.2	4.	8.1	.58	16 6 82 5	1.1	-.61	9.4	35.	9.2	.72
13 6 82 6	3.4	-.31	9.1	5.	7.8	.57	16 6 82 6	.9	-.54	11.3	35.	11.5	.67
13 6 82 7	4.1	-.38	9.8	5.	10.4	.53	16 6 82 7	1.2	-.84	12.2	32.	13.5	.61
13 6 82 8	5.3	-.37	10.0	6.	10.6	.50	16 6 82 8	.9	-.76	14.0	32.	15.5	.53
13 6 82 9	5.5	-.34	10.1	5.	10.7	.49	16 6 82 9	1.5	-.57	15.4	17.	16.5	.50
13 6 82 10	5.2	-.41	10.8	5.	11.6	.48	16 6 82 10	3.0	-.57	15.4	13.	16.4	.51
13 6 82 11	5.3	-.37	10.9	5.	11.5	.45	16 6 82 11	2.8	-.85	16.4	17.	17.6	.45
13 6 82 12	4.4	-.29	11.1	7.	11.9	.45	16 6 82 12	3.5	-.78	16.3	18.	17.5	.44
13 6 82 13	4.7	-.45	12.2	7.	13.0	.43	16 6 82 13	3.5	-.90	16.7	19.	18.1	.41
13 6 82 14	3.5	-.37	12.5	7.	13.1	.40	16 6 82 14	3.6	-.62	15.7	18.	16.7	.46
13 6 82 15	3.3	-.41	12.6	8.	13.3	.42	16 6 82 15	4.1	-.90	16.3	18.	17.6	.45
13 6 82 16	1.9	-.49	12.1	21.	12.5	.50	16 6 82 16	3.8	-.77	15.8	19.	16.9	.44
13 6 82 17	1.5	-.30	12.1	1006.	12.5	.49	16 6 82 17	3.5	-.64	15.9	19.	17.0	.43
13 6 82 18	2.6	-.37	11.7	15.	12.0	.54	16 6 82 18	3.1	-.39	15.4	18.	16.0	.44
13 6 82 19	1.0	-.35	11.5	20.	11.7	.57	16 6 82 19	2.9	-.24	15.2	18.	15.5	.37
13 6 82 20	1.3	-.19	10.8	23.	10.6	.62	16 6 82 20	4.7	-.31	13.7	15.	13.7	.50
13 6 82 21	1.4	.02	9.6	25.	9.4	.68	16 6 82 21	2.6	.07	13.0	14.	13.0	.59
13 6 82 22	1.8	.17	9.1	25.	8.7	.75	16 6 82 22	1.5	.16	12.6	17.	12.0	.64
13 6 82 23	1.5	.29	8.3	20.	7.5	.83	16 6 82 23	1.4	.34	11.7	6.	9.9	.78
13 6 82 24	1.8	.22	7.4	20.	7.2	.88	16 6 82 24	1.8	.61	11.1	4.	9.4	.82
14 6 82 1	1.1	.26	7.2	20.	6.8	.91	17 6 82 1	2.7	.67	10.4	1.	8.7	.84
14 6 82 2	1.1	.16	6.8	23.	6.4	.93	17 6 82 2	4.1	.18	10.4	2.	9.6	.82
14 6 82 3	.6	.35	6.1	20.	5.6	.96	17 6 82 3	3.7	.10	10.5	1.	9.9	.70
14 6 82 4	1.4	.24	6.3	12.	6.0	.95	17 6 82 4	3.3	.12	10.1	2.	9.6	.59
14 6 82 5	1.7	.12	6.6	12.	6.8	.92	17 6 82 5	4.7	-.12	10.5	4.	10.4	.58
14 6 82 6	1.7	-.22	8.4	11.	8.6	.83	17 6 82 6	5.1	-.19	10.8	2.	11.1	.54
14 6 82 7	3.5	-.15	8.3	12.	8.4	.79	17 6 82 7	4.6	-.72	10.6	3.	10.6	.51
14 6 82 8	3.6	-.19	7.8	13.	8.0	.84	17 6 82 8	4.3	-.46	12.4	3.	13.4	.43
14 6 82 9	2.1	-.23	8.6	13.	8.7	.78	17 6 82 9	4.3	-.48	13.2	5.	14.5	.38
14 6 82 10	1.9	-.35	9.6	13.	9.8	.73	17 6 82 10	3.1	-.51	14.0	4.	15.6	.33
14 6 82 11	3.0	-.42	10.7	13.	11.1	.62	17 6 82 11	2.4	-.68	15.1	5.	16.7	.33
14 6 82 12	2.4	-.38	9.2	7.	9.8	.78	17 6 82 12	2.5	-1.02	16.2	33.	18.4	.32
14 6 82 13	2.4	-.41	8.8	3.	9.6	.80	17 6 82 13	2.2	-.75	16.6	28.	18.0	.31
14 6 82 14	2.4	-.49	10.3	2.	11.5	.71	17 6 82 14	1.7	-1.06	18.0	1020.	19.5	.28
14 6 82 15	3.3	-1.13	11.2	32.	12.9	.67	17 6 82 15	3.6	-.80	15.5	17.	16.6	.38
14 6 82 16	2.9	-.37	9.9	2.	10.5	.72	17 6 82 16	3.7	-.67	14.9	17.	15.8	.40
14 6 82 17	2.8	-.69	11.0	33.	12.5	.64	17 6 82 17	3.2	-.74	15.1	19.	16.2	.41
14 6 82 18	2.9	-.88	11.6	33.	13.4	.61	17 6 82 18	3.1	-.65	14.7	19.	15.7	.40
14 6 82 19	1.7	-.30	10.3	34.	10.7	.65	17 6 82 19	2.7	-.38	13.9	18.	14.4	.40
14 6 82 20	1.9	.08	9.6	32.	9.2	.78	17 6 82 20	2.0	-.11	12.8	18.	12.7	.45
14 6 82 21	1.8	.21	9.1	31.	8.5	.82	17 6 82 21	1.5	.30	11.9	18.	11.4	.53
14 6 82 22	2.1	.18	8.9	30.	8.4	.85	17 6 82 22	1.7	.43	11.2	24.	9.7	.62
14 6 82 23	2.0	.22	8.4	31.	8.0	.91	17 6 82 23	.3	0.00	11.2	1004.	9.0	.65
14 6 82 24	2.4	.24	8.2	31.	7.9	.93	17 6 82 24	1.1	.55	11.1	3.	8.5	.66
15 6 82 1	2.4	.14	7.8	32.	7.5	.95	18 6 82 1	1.9	1.46	9.6	36.	8.3	.79
15 6 82 2	2.3	.12	7.5	33.	7.4	.94	18 6 82 2	2.4	.43	10.4	4.	9.6	.69
15 6 82 3	2.4	.17	7.0	33.	6.9	.95	18 6 82 3	1.7	.10	11.2	5.	10.7	.55
15 6 82 4	1.7	.07	6.8	33.	6.8	.95	18 6 82 4	1.8	.08	10.9	4.	10.4	.54
15 6 82 5	1.6	-.25	7.7	33.	8.0	.89	18 6 82 5	1.6	-.22	11.6	6.	11.5	.51
15 6 82 6	1.6	-.69	9.6	34.	10.8	.77	18 6 82 6	3.4	-.31	11.6	7.	12.0	.49
15 6 82 7	2.1	-.61	11.5	2.	13.0	.53	18 6 82 7	3.1	-.38	12.1	8.	12.7	.43
15 6 82 8	1.7	-.59	12.4	32.	13.9	.59	18 6 82 8	2.2	-.53	13.0	8.	14.0	.44
15 6 82 9	2.3	-.35	13.2	30.	14.2	.53	18 6 82 9	2.1	-.56	14.0	1014.	15.0	.44
15 6 82 10	1.9	-.73	14.7	30.	15.9	.40	18 6 82 10	1.7	-.65	14.9	15.	16.0	.41
15 6 82 11	1.4	-.60	14.2	31.	15.0	.34	18 6 82 11	2.5	-.68	15.2	14.	16.4	.40
15 6 82 12	1.5	-.75	15.4	1022.	16.7	.28	18 6 82 12	3.0	-.85	15.6	19.	16.8	.34
15 6 82 13	2.0	-.76	15.7	1021.	16.7	.31	18 6 82 13	3.2	-.87	15.7	20.	17.0	.35
15 6 82 14	2.8	-.81	15.0	21.	16.1	.33	18 6 82 14	3.3	-.91	15.7	17.	17.0	.36
15 6 82 15	3.0	-.64	14.7	17.	15.6	.37	18 6 82 15	3.4	-.97	15.9	18.	17.3	.39
15 6 82 16	3.4	-.90	15.5	19.	16.7	.35	18 6 82 16	3.0	-.95	16.1	18.	17.4	.40
15 6 82 17	3.6	-.71	15.0	19.	16.3	.32	18 6 82 17	2.9	-.80	16.1	18.	17.3	.41
15 6 82 18	3.7	-.55	14.7	19.	15.6	.29	18 6 82 18	2.8	-.49	15.5	15.	16.3	.48
15 6 82 19	2.9	-.60	14.3	20.	14.9	.29	18 6 82 19	3.0	-.40	15.3	20.	15.9	.44
15 6 82 20	2.2	-.11	13.4	18.	12.9	.33	18 6 82 20	2.4	-.07	14.2	20.	13.9	.48
15 6 82 21	1.7	.39	11.9	19.	11.2	.42	18 6 82 21	1.5	.30	12.3	18.	11.6	.59
15 6 82 22	1.8	.61	11.0	19.	9.8	.51	18 6 82 22	.9	.59	11.4	19.	10.0	.70
15 6 82 23	1.3	.67	10.6	22.	9.0	.53	18 6 82 23	1.5	.62	11.6	23.	10.3	.69
15 6 82 24	1.6	.20	10.9	26.	9.8	.52	18 6 82 24	.9	.77	11.1	24.	9.2	.73

	FF	D-T	T10M	DD	T3M	RH		FF	D-T	T10M	DD	T3M	RH
19 6 82 1	1.5	.24	11.7	24.	9.7	.60	22 6 82 1	2.1	.17	9.4	36.	8.9	.95
19 6 82 2	1.0	1.12	10.0	15.	8.7	.83	22 6 82 2	2.3	.26	9.3	35.	8.8	.94
19 6 82 3	1.2	1.00	9.0	17.	8.2	.94	22 6 82 3	2.2	.22	8.9	0.	8.4	.96
19 6 82 4	.9	.50	9.0	1013.	8.3	.92	22 6 82 4	1.6	.08	9.0	2.	8.8	.94
19 6 82 5	.2	.51	11.2	1004.	10.4	.83	22 6 82 5	1.5	.14	9.3	9.	9.0	.86
19 6 82 6	.4	-.48	13.5	35.	14.1	.65	22 6 82 6	1.6	-.10	9.9	11.	9.8	.84
19 6 82 7	1.4	-.54	13.9	34.	14.6	.57	22 6 82 7	1.8	-.37	11.2	9.	11.5	.74
19 6 82 8	.4	-.74	17.7	1021.	18.6	.44	22 6 82 8	2.1	-.30	11.5	12.	11.8	.70
19 6 82 9	1.3	-.80	18.2	17.	19.3	.38	22 6 82 9	2.9	-.40	12.2	14.	12.6	.65
19 6 82 10	3.1	-.83	18.3	21.	19.5	.30	22 6 82 10	3.1	-.53	12.9	13.	13.7	.62
19 6 82 11	4.5	-.77	17.7	19.	18.8	.31	22 6 82 11	2.5	-.48	12.9	14.	13.5	.64
19 6 82 12	4.3	-.80	17.8	18.	19.9	.29	22 6 82 12	2.9	-.54	13.4	15.	14.0	.57
19 6 82 13	4.6	-.84	17.8	19.	19.2	.30	22 6 82 13	3.7	-.59	13.9	15.	14.8	.51
19 6 82 14	4.2	-.86	17.9	19.	19.2	.32	22 6 82 14	3.8	-.61	14.5	13.	15.4	.44
19 6 82 15	4.3	-.93	17.8	18.	19.2	.32	22 6 82 15	3.2	-.73	14.7	13.	15.8	.46
19 6 82 16	4.1	-.83	17.4	19.	18.6	.34	22 6 82 16	3.2	-.67	14.7	13.	15.7	.46
19 6 82 17	4.6	-.73	16.9	19.	17.9	.35	22 6 82 17	3.0	-.67	14.9	14.	15.8	.44
19 6 82 18	4.0	-.53	16.2	19.	17.2	.40	22 6 82 18	2.3	-.53	14.6	15.	15.4	.44
19 6 82 19	3.7	-.37	15.4	20.	16.0	.45	22 6 82 19	1.8	-.47	14.4	18.	15.1	.43
19 6 82 20	3.1	-.11	14.2	19.	14.0	.53	22 6 82 20	1.3	-.29	13.5	16.	12.8	.50
19 6 82 21	2.6	.13	13.1	18.	12.8	.65	22 6 82 21	1.5	.22	12.2	16.	11.2	.62
19 6 82 22	1.9	.22	12.2	17.	11.8	.74	22 6 82 22	1.4	.54	11.4	19.	9.8	.76
19 6 82 23	1.7	.32	11.9	17.	11.3	.81	22 6 82 23	1.4	.66	10.5	23.	9.2	.79
19 6 82 24	1.2	.37	11.7	17.	10.6	.97	22 6 82 24	1.4	1.12	8.5	32.	7.2	.93
20 6 82 1	.8	.84	10.8	29.	9.4	.94	23 6 82 1	2.6	.91	8.0	33.	6.8	.87
20 6 82 2	2.3	.59	9.7	32.	8.7	.96	23 6 82 2	3.1	.62	7.2	34.	6.4	.82
20 6 82 3	3.1	.64	9.1	32.	8.3	.95	23 6 82 3	3.4	.44	6.6	33.	6.3	.82
20 6 82 4	2.7	.50	9.3	32.	8.8	.92	23 6 82 4	2.3	.24	6.4	33.	6.0	.88
20 6 82 5	2.4	-.11	10.0	33.	10.1	.87	23 6 82 5	2.4	-.44	7.7	33.	7.9	.86
20 6 82 6	2.5	-.24	11.2	34.	11.8	.78	23 6 82 6	2.0	-.67	9.1	32.	10.1	.78
20 6 82 7	1.7	-.85	14.2	34.	16.1	.59	23 6 82 7	1.9	-.73	11.3	32.	12.1	.74
20 6 82 8	1.5	-.52	16.5	31.	18.1	.51	23 6 82 8	1.3	-.85	14.3	31.	15.2	.51
20 6 82 9	1.7	-.39	17.4	13.	18.5	.42	23 6 82 9	1.6	-.59	15.7	31.	17.2	.43
20 6 82 10	2.9	-.62	17.5	15.	18.6	.47	23 6 82 10	1.9	-.63	16.9	1015.	18.2	.38
20 6 82 11	3.4	-.71	17.5	14.	18.5	.51	23 6 82 11	3.9	-.63	16.4	13.	17.5	.44
20 6 82 12	4.2	-.64	16.8	15.	17.9	.57	23 6 82 12	4.6	-.53	16.2	13.	17.2	.44
20 6 82 13	4.3	-.68	16.8	15.	17.9	.61	23 6 82 13	4.3	-.56	16.4	13.	17.4	.45
20 6 82 14	4.1	-.66	16.4	14.	17.5	.68	23 6 82 14	3.8	-.61	16.8	14.	17.8	.43
20 6 82 15	4.0	-.64	16.5	13.	17.5	.69	23 6 82 15	3.7	-.80	17.2	14.	18.2	.42
20 6 82 16	4.5	-.57	15.9	13.	16.6	.68	23 6 82 16	3.3	-.80	17.4	17.	18.4	.38
20 6 82 17	4.1	-.45	16.1	14.	16.8	.66	23 6 82 17	3.0	-.79	17.2	18.	18.4	.37
20 6 82 18	3.9	-.29	15.3	13.	15.7	.62	23 6 82 18	3.0	-.74	16.5	20.	17.5	.44
20 6 82 19	1.8	.00	14.6	11.	14.7	.70	23 6 82 19	2.6	-.61	16.8	23.	17.6	.36
20 6 82 20	2.0	.13	14.3	12.	14.2	.75	23 6 82 20	1.5	-.37	16.2	20.	15.4	.42
20 6 82 21	2.8	.05	13.8	6.	13.7	.76	23 6 82 21	2.0	.24	13.6	29.	13.1	.59
20 6 82 22	2.9	-.03	12.7	7.	12.6	.85	23 6 82 22	1.7	.63	12.1	23.	11.1	.49
20 6 82 23	2.0	-.02	11.2	3.	11.0	.88	23 6 82 23	90.0	.46	11.0	19.	10.1	.77
20 6 82 24	3.1	.05	11.1	4.	10.8	.83	23 6 82 24	1.0	.49	11.7	20.	9.9	.81
21 6 82 1	2.2	.03	10.8	3.	10.4	.84	24 6 82 1	2.1	.72	10.7	19.	9.3	.88
21 6 82 2	3.6	-.07	10.8	4.	10.7	.86	24 6 82 2	.4	.78	9.8	14.	8.3	.92
21 6 82 3	3.5	-.07	10.5	4.	10.4	.79	24 6 82 3	.9	.94	8.6	1032.	7.7	.97
21 6 82 4	2.8	-.05	10.4	3.	10.2	.78	24 6 82 4	.7	.87	8.9	29.	7.9	.95
21 6 82 5	3.3	-.10	10.3	3.	10.2	.79	24 6 82 5	1.2	-.28	10.3	33.	9.9	.84
21 6 82 6	5.0	-.13	10.3	2.	10.3	.77	24 6 82 6	.7	-.49	12.4	2.	12.9	.70
21 6 82 7	4.4	-.21	10.4	5.	10.8	.67	24 6 82 7	.3	-.56	14.9	1019.	15.4	.53
21 6 82 8	5.3	-.35	11.1	3.	12.0	.59	24 6 82 8	1.1	-.53	15.9	13.	16.9	.53
21 6 82 9	4.2	-.56	12.0	3.	13.4	.54	24 6 82 9	3.8	-.67	16.7	1012.	17.9	.52
21 6 82 10	4.0	-.67	12.7	2.	14.6	.53	24 6 82 10	3.0	-.67	17.5	18.	18.4	.50
21 6 82 11	4.1	-.64	13.0	3.	14.9	.52	24 6 82 11	4.5	-.75	17.2	19.	18.5	.52
21 6 82 12	3.6	-.60	13.1	4.	14.6	.51	24 6 82 12	3.9	-.75	17.5	20.	18.7	.40
21 6 82 13	3.4	-.45	13.2	4.	14.4	.52	24 6 82 13	4.2	-.92	17.5	19.	17.0	.50
21 6 82 14	2.7	-.56	13.5	6.	14.8	.50	24 6 82 14	4.8	-.94	17.7	20.	19.1	.49
21 6 82 15	3.0	-.42	13.3	7.	14.2	.51	24 6 82 15	5.1	-1.05	17.5	21.	19.0	.50
21 6 82 16	2.2	-.31	13.4	9.	13.9	.52	24 6 82 16	4.2	-.80	17.5	19.	18.7	.53
21 6 82 17	1.1	-.11	12.7	8.	12.8	.56	24 6 82 17	3.2	-.75	17.1	18.	18.1	.55
21 6 82 18	1.8	.06	10.9	30.	10.8	.79	24 6 82 18	4.3	-.39	16.0	13.	16.7	.56
21 6 82 19	1.3	-.10	10.8	32.	10.7	.84	24 6 82 19	5.5	-.23	15.4	12.	15.8	.60
21 6 82 20	1.7	-.02	10.6	28.	10.4	.85	24 6 82 20	4.4	-.79	14.9	12.	14.8	.44
21 6 82 21	2.0	.09	10.4	32.	10.3	.85	24 6 82 21	4.6	-.17	13.8	11.	13.9	.68
21 6 82 22	2.0	.04	10.3	34.	10.0	.92	24 6 82 22	4.4	.02	13.2	11.	13.1	.82
21 6 82 23	2.3	.02	10.0	34.	9.7	.94	24 6 82 23	4.0	.15	12.6	11.	12.4	.93
21 6 82 24	2.3	.08	9.8	35.	9.4	.94	24 6 82 24	2.6	.14	12.4	13.	12.5	.93

	FF	D-T	T10M	DD	T3M	RH		FF	D-T	T10M	DD	T3M	RH
25 6 82 1	2.6	.17	12.4	15.	12.1	.94	28 6 82 1	3.7	-.09	11.6	7.	11.5	.94
25 6 82 2	2.1	.22	12.1	16.	11.7	.90	28 6 82 2	3.5	-.03	11.6	7.	11.5	.94
25 6 82 3	2.0	.29	11.5	14.	11.1	.90	28 6 82 3	3.5	.01	11.6	8.	11.5	.93
25 6 82 4	2.1	.15	11.1	10.	10.7	.95	28 6 82 4	3.6	-.02	11.6	8.	11.6	.93
25 6 82 5	2.3	-.17	12.0	10.	12.0	.98	28 6 82 5	3.8	-.02	11.6	6.	11.6	.93
25 6 82 6	2.9	-.20	12.0	13.	13.2	.77	28 6 82 6	3.8	-.04	11.5	7.	11.4	.93
25 6 82 7	3.3	-.37	12.0	13.	13.3	.71	28 6 82 7	3.4	-.02	11.5	8.	11.5	.93
25 6 82 8	3.8	-.37	12.0	14.	13.3	.69	28 6 82 8	3.4	-.05	11.5	7.	11.5	.93
25 6 82 9	3.7	-.56	13.0	13.	14.7	.61	28 6 82 9	3.1	-.07	11.8	7.	11.0	.93
25 6 82 10	4.0	-.42	13.3	14.	13.8	.62	28 6 82 10	2.8	-.13	12.4	8.	12.6	.91
25 6 82 11	4.4	-.59	13.1	13.	13.7	.62	28 6 82 11	2.5	-.09	12.4	7.	12.6	.91
25 6 82 12	4.1	-.55	13.7	14.	14.4	.62	28 6 82 12	3.5	-.18	13.3	7.	13.6	.88
25 6 82 13	4.1	-.53	13.6	16.	14.3	.61	28 6 82 13	3.7	-.14	13.5	11.	13.8	.87
25 6 82 14	3.8	-.62	13.7	17.	14.5	.61	28 6 82 14	2.8	-.24	14.5	10.	15.0	.84
25 6 82 15	3.4	-.63	13.7	17.	14.5	.61	28 6 82 15	2.8	-.26	15.1	10.	15.6	.80
25 6 82 16	3.6	-.55	13.3	18.	14.0	.60	28 6 82 16	2.4	-.24	15.5	11.	16.0	.76
25 6 82 17	3.3	-.56	13.4	17.	14.2	.58	28 6 82 17	1.8	-.15	15.6	10.	15.0	.74
25 6 82 18	3.0	-.48	13.2	17.	13.8	.58	28 6 82 18	.9	-.26	15.6	17.	16.0	.77
25 6 82 19	2.7	-.43	12.9	18.	13.3	.60	28 6 82 19	2.2	-.20	14.9	17.	15.2	.84
25 6 82 20	2.5	-.33	12.6	19.	12.4	.63	28 6 82 20	3.5	.14	11.6	12.	11.5	.92
25 6 82 21	2.4	-.06	11.7	22.	11.6	.67	28 6 82 21	1.6	.29	11.3	5.	11.0	.94
25 6 82 22	1.6	.48	10.4	20.	9.7	.76	28 6 82 22	2.4	.19	11.4	5.	11.1	.93
25 6 82 23	1.4	.75	9.8	21.	8.6	.84	28 6 82 23	3.5	.14	11.7	10.	11.5	.87
25 6 82 24	.9	.26	10.1	26.	9.2	.84	28 6 82 24	4.5	.14	11.9	11.	11.7	.80
26 6 82 1	1.3	.27	9.2	32.	8.8	.94	29 6 82 1	3.0	.11	11.6	9.	11.4	.79
26 6 82 2	1.2	.73	8.8	34.	7.9	.95	29 6 82 2	2.8	.20	10.9	7.	10.5	.85
26 6 82 3	1.5	.46	8.4	34.	8.2	.92	29 6 82 3	2.9	.17	10.6	6.	10.2	.85
26 6 82 4	1.8	.28	8.5	35.	8.4	.89	29 6 82 4	2.3	.10	10.5	5.	10.1	.85
26 6 82 5	1.5	-.00	8.6	0.	8.7	.86	29 6 82 5	2.2	.03	10.7	3.	10.6	.84
26 6 82 6	1.7	-.44	10.3	34.	10.9	.81	29 6 82 6	2.0	-.10	11.1	3.	11.3	.84
26 6 82 7	1.7	-.79	12.5	34.	14.4	.69	29 6 82 7	3.0	-.15	11.5	4.	11.7	.81
26 6 82 8	2.2	-.65	14.6	1034.	15.8	.66	29 6 82 8	4.4	-.23	12.1	5.	12.6	.72
26 6 82 9	3.0	-.50	15.9	9.	15.8	.59	29 6 82 9	4.1	-.24	12.7	5.	13.2	.64
26 6 82 10	3.4	-.27	15.7	10.	16.4	.58	29 6 82 10	4.1	-.29	13.8	7.	14.5	.57
26 6 82 11	2.7	-.11	15.1	8.	15.5	.61	29 6 82 11	3.3	-.20	13.8	6.	14.3	.58
26 6 82 12	3.3	-.05	14.7	9.	14.9	.65	29 6 82 12	3.1	-.30	13.9	4.	14.7	.59
26 6 82 13	2.5	-.11	13.5	8.	13.9	.88	29 6 82 13	2.7	-.44	14.8	4.	16.1	.51
26 6 82 14	1.2	-.26	14.5	1001.	14.9	.84	29 6 82 14	2.1	-.70	16.0	31.	17.2	.46
26 6 82 15	2.1	-.13	14.2	33.	14.6	.87	29 6 82 15	1.9	-.86	17.0	35.	18.7	.40
26 6 82 16	2.3	-.51	14.7	32.	15.7	.86	29 6 82 16	2.5	-.14	14.5	4.	14.9	.53
26 6 82 17	1.5	-.62	16.0	35.	17.3	.75	29 6 82 17	2.1	-.10	13.8	7.	14.0	.66
26 6 82 18	1.1	-.65	16.6	30.	17.3	.72	29 6 82 18	1.3	-.05	12.5	1.	12.8	.82
26 6 82 19	1.3	-.36	16.3	19.	16.8	.65	29 6 82 19	1.7	.14	12.5	4.	12.4	.84
26 6 82 20	1.2	-.17	15.7	20.	15.7	.64	29 6 82 20	2.7	.09	12.3	4.	12.0	.83
26 6 82 21	1.0	.25	14.7	22.	14.2	.65	29 6 82 21	2.4	.19	11.0	4.	10.6	.90
26 6 82 22	.7	.26	14.4	29.	13.3	.67	29 6 82 22	1.9	.22	10.7	2.	10.1	.90
26 6 82 23	1.8	.74	13.0	31.	12.4	.81	29 6 82 23	2.3	.29	10.3	2.	9.5	.89
26 6 82 24	1.2	.49	12.8	29.	12.0	.84	29 6 82 24	2.0	.27	10.2	3.	9.3	.88
27 6 82 1	1.7	.54	12.3	31.	11.5	.90	30 6 82 1	1.9	.27	10.2	34.	9.4	.87
27 6 82 2	1.4	.20	11.9	31.	11.5	.95	30 6 82 2	2.7	.15	10.0	33.	9.6	.92
27 6 82 3	.8	.19	11.5	1002.	11.0	.96	30 6 82 3	2.5	.21	9.6	32.	9.2	.95
27 6 82 4	1.7	.11	11.4	1013.	11.1	.96	30 6 82 4	2.7	.15	9.6	32.	9.2	.95
27 6 82 5	1.4	.08	11.1	3.	11.0	.97	30 6 82 5	3.1	.05	9.3	31.	9.5	.90
27 6 82 6	2.5	.08	11.2	8.	11.0	.93	30 6 82 6	3.1	-.29	10.7	31.	11.1	.85
27 6 82 7	2.0	.07	11.3	10.	11.2	.98	30 6 82 7	2.8	-.48	12.2	30.	13.1	.76
27 6 82 8	3.9	-.10	10.1	6.	10.0	.90	30 6 82 8	4.2	-.33	12.5	31.	13.2	.66
27 6 82 9	3.9	-.07	9.7	6.	9.6	.94	30 6 82 9	3.7	-.33	12.9	32.	13.6	.63
27 6 82 10	3.8	-.06	10.0	6.	9.8	.93	30 6 82 10	3.1	-.68	14.6	31.	16.0	.56
27 6 82 11	4.1	-.08	10.3	6.	10.2	.92	30 6 82 11	2.6	-.77	16.4	31.	17.9	.49
27 6 82 12	3.6	-.09	10.1	6.	10.1	.93	30 6 82 12	2.1	-.78	17.5	31.	19.1	.44
27 6 82 13	3.3	-.14	10.1	6.	10.1	.94	30 6 82 13	1.5	-.59	16.4	33.	17.2	.47
27 6 82 14	3.1	-.10	10.5	6.	10.6	.94	30 6 82 14	1.6	-.15	14.1	5.	14.5	.74
27 6 82 15	3.0	-.10	10.9	7.	10.9	.94	30 6 82 15	2.1	-.33	14.1	6.	14.8	.72
27 6 82 16	2.9	-.07	11.0	5.	11.0	.95	30 6 82 16	1.2	-.62	15.5	16.	16.3	.65
27 6 82 17	2.5	-.05	11.5	8.	11.5	.96	30 6 82 17	.7	-.38	15.0	1007.	16.7	.60
27 6 82 18	3.0	-.06	11.6	7.	11.7	.96	30 6 82 18	.8	-.22	15.0	1012.	15.3	.68
27 6 82 19	3.1	-.07	11.5	7.	11.5	.95	30 6 82 19	1.9	-.11	14.7	31.	15.1	.67
27 6 82 20	3.4	-.03	11.4	6.	11.4	.96	30 6 82 20	1.9	.90	14.4	32.	14.5	.70
27 6 82 21	2.7	-.05	11.4	6.	11.4	.96	30 6 82 21	2.4	.13	14.0	34.	13.0	.72
27 6 82 22	2.7	-.03	11.6	7.	11.6	.96	30 6 82 22	2.9	.13	13.9	35.	13.7	.68
27 6 82 23	2.5	-.07	11.4	8.	11.5	.96	30 6 82 23	2.9	.15	13.7	35.	13.5	.62
27 6 82 24	3.0	-.02	11.7	8.	11.7	.95	30 6 82 24	2.1	.27	13.3	33.	12.8	.64

	FF	D-T	T10M	DD	T3M	RH		FF	D-T	T10M	DD	T3M	RH
1 7 82 1	2.4	.20	13.2	34.	12.8	.45	4 7 82 1	1.2	.38	10.7	26.	9.6	.81
1 7 82 2	2.4	.24	12.7	34.	12.2	.66	4 7 82 2	2.1	.22	10.7	27.	9.7	.76
1 7 82 3	2.3	.37	12.4	33.	11.7	.69	4 7 82 3	3.3	.16	10.6	27.	10.1	.70
1 7 82 4	1.8	.32	12.2	32.	11.5	.74	4 7 82 4	2.6	.06	10.6	29.	10.3	.72
1 7 82 5	2.1	.27	12.1	31.	11.8	.79	4 7 82 5	1.7	-.22	11.4	30.	11.0	.74
1 7 82 6	1.6	-.09	12.4	31.	12.5	.77	4 7 82 6	1.6	-.84	13.0	31.	14.0	.65
1 7 82 7	1.7	-.19	13.2	30.	13.5	.76	4 7 82 7	1.9	-.35	13.5	23.	14.4	.61
1 7 82 8	1.6	-.49	14.4	34.	15.3	.68	4 7 82 8	3.5	-.43	14.4	29.	15.8	.52
1 7 82 9	2.5	-.41	15.4	1.	17.1	.61	4 7 82 9	3.3	-.61	16.1	30.	17.5	.47
1 7 82 10	3.2	-.48	16.0	36.	17.4	.59	4 7 82 10	3.5	-.80	16.5	31.	17.9	.41
1 7 82 11	2.0	-.46	16.4	34.	18.3	.57	4 7 82 11	3.2	-.90	16.9	30.	17.8	.34
1 7 82 12	1.6	-.71	13.5	2.	20.1	.50	4 7 82 12	2.7	-.61	18.5	29.	19.3	.33
1 7 82 13	2.3	-.54	18.0	3.	19.5	.52	4 7 82 13	2.8	-.60	18.4	31.	19.7	.32
1 7 82 14	2.9	-.48	18.0	10.	19.3	.53	4 7 82 14	4.5	-.45	18.7	29.	19.9	.30
1 7 82 15	3.0	-.50	16.2	21.	16.8	.62	4 7 82 15	4.4	-.79	19.0	31.	20.5	.29
1 7 82 16	2.6	-.76	17.1	22.	18.2	.60	4 7 82 16	5.3	-.95	18.3	31.	20.1	.26
1 7 82 17	1.1	-.00	15.0	21.	15.5	.81	4 7 82 17	5.0	-.72	18.4	31.	20.6	.24
1 7 82 18	2.2	-.14	15.2	10.	15.8	.85	4 7 82 18	5.6	-.35	18.4	32.	19.3	.28
1 7 82 19	2.2	-.01	14.6	11.	14.8	.82	4 7 82 19	4.9	-.26	17.3	31.	18.0	.34
1 7 82 20	2.0	.04	14.3	13.	14.2	.84	4 7 82 20	5.4	-.04	15.7	29.	15.6	.40
1 7 82 21	1.6	.34	13.5	14.	13.0	.89	4 7 82 21	4.8	.08	14.5	30.	14.4	.44
1 7 82 22	2.2	.33	12.8	11.	12.3	.94	4 7 82 22	4.7	.07	13.5	29.	13.4	.47
1 7 82 23	1.9	.35	12.3	10.	11.9	.93	4 7 82 23	3.8	.10	12.8	30.	12.5	.51
1 7 82 24	1.5	.42	11.8	7.	11.0	.96	4 7 82 24	3.4	.11	12.0	30.	11.6	.56
2 7 82 1	2.0	.39	11.7	9.	11.1	.93	5 7 82 1	3.3	.26	11.2	30.	10.6	.64
2 7 82 2	1.6	.24	12.0	9.	11.4	.91	5 7 82 2	3.4	.23	11.0	29.	10.5	.64
2 7 82 3	2.7	.28	11.9	7.	11.6	.94	5 7 82 3	2.7	.22	10.7	30.	10.1	.66
2 7 82 4	2.4	.08	12.3	10.	12.2	.93	5 7 82 4	2.4	.35	10.7	29.	10.1	.70
2 7 82 5	2.5	-.00	12.7	10.	12.7	.93	5 7 82 5	1.8	-.00	11.2	27.	10.7	.68
2 7 82 6	2.6	-.16	13.1	10.	13.3	.91	5 7 82 6	1.8	-.18	12.5	28.	12.9	.65
2 7 82 7	3.1	-.32	13.9	9.	14.5	.84	5 7 82 7	1.8	-.55	14.4	30.	15.6	.58
2 7 82 8	2.6	-.20	14.0	13.	14.4	.84	5 7 82 8	2.2	-.81	15.8	32.	17.6	.51
2 7 82 9	2.7	-.20	13.6	15.	14.0	.92	5 7 82 9	3.2	-.88	16.5	31.	18.7	.46
2 7 82 10	2.7	-.26	14.0	15.	14.4	.82	5 7 82 10	3.4	-.86	17.2	32.	19.5	.42
2 7 82 11	2.3	-.16	13.1	17.	13.3	.91	5 7 82 11	3.0	-.66	17.5	31.	19.0	.41
2 7 82 12	2.4	-.36	13.6	16.	14.2	.88	5 7 82 12	2.7	-.77	18.8	31.	20.2	.34
2 7 82 13	3.3	-.58	15.5	14.	16.3	.78	5 7 82 13	2.4	-.80	19.5	30.	21.0	.32
2 7 82 14	3.3	-.72	16.0	18.	17.1	.71	5 7 82 14	3.6	-.80	19.3	33.	21.1	.33
2 7 82 15	3.4	-.62	15.8	16.	14.7	.73	5 7 82 15	3.6	-1.09	19.9	32.	21.9	.29
2 7 82 16	3.0	-.45	15.3	18.	16.0	.75	5 7 82 16	3.1	-.92	20.3	30.	21.7	.28
2 7 82 17	2.9	-.37	14.9	17.	15.4	.76	5 7 82 17	3.2	-.98	20.6	31.	22.4	.25
2 7 82 18	2.8	-.28	14.5	18.	14.9	.79	5 7 82 18	4.1	-.48	20.7	29.	21.2	.26
2 7 82 19	2.5	-.13	14.0	18.	14.2	.85	5 7 82 19	4.7	-.26	19.0	31.	19.8	.30
2 7 82 20	2.4	-.08	13.7	17.	13.9	.88	5 7 82 20	4.3	-.05	17.4	31.	17.1	.38
2 7 82 21	2.4	-.03	13.5	17.	13.5	.90	5 7 82 21	3.4	.13	15.9	31.	15.8	.44
2 7 82 22	2.4	.03	13.4	17.	13.4	.91	5 7 82 22	3.2	.32	14.5	31.	14.0	.49
2 7 82 23	2.2	.03	13.3	17.	13.3	.91	5 7 82 23	3.3	.40	13.4	32.	12.8	.56
2 7 82 24	2.3	.02	13.4	18.	13.4	.92	5 7 82 24	3.1	.53	12.3	31.	11.4	.63
3 7 82 1	2.0	-.02	13.3	16.	13.4	.94	6 7 82 1	3.4	.54	11.4	31.	10.5	.69
3 7 82 2	1.9	.03	12.8	17.	12.9	.95	6 7 82 2	3.3	.50	10.7	31.	9.8	.75
3 7 82 3	1.8	.27	12.4	13.	12.2	.93	6 7 82 3	3.5	.54	10.4	31.	9.2	.78
3 7 82 4	1.6	.14	12.1	10.	12.0	.97	6 7 82 4	3.4	.28	10.5	32.	9.7	.77
3 7 82 5	2.5	-.02	11.9	9.	11.9	.96	6 7 82 5	3.5	-.13	11.1	31.	10.9	.73
3 7 82 6	2.9	.02	12.3	12.	12.4	.96	6 7 82 6	3.0	-.49	12.5	32.	13.9	.65
3 7 82 7	4.1	-.01	13.3	13.	13.5	.95	6 7 82 7	3.8	-.58	13.5	32.	15.1	.58
3 7 82 8	4.4	-.02	13.0	16.	13.0	.93	6 7 82 8	4.0	-.65	14.2	32.	15.9	.52
3 7 82 9	5.4	-.04	13.6	15.	13.8	.94	6 7 82 9	3.5	-.97	15.7	31.	17.9	.47
3 7 82 10	4.8	-.08	13.8	16.	14.0	.93	6 7 82 10	2.5	-.84	17.3	31.	19.4	.43
3 7 82 11	4.9	-.04	13.5	16.	13.7	.94	6 7 82 11	2.0	-.93	18.0	33.	20.2	.37
3 7 82 12	5.5	-.06	13.4	14.	13.6	.95	6 7 82 12	1.8	-.88	18.7	32.	20.2	.37
3 7 82 13	5.8	-.08	13.5	15.	13.7	.94	6 7 82 13	2.4	-.50	17.5	18.	13.4	.45
3 7 82 14	5.9	-.07	13.7	16.	13.9	.94	6 7 82 14	3.2	-.42	16.8	17.	17.5	.52
3 7 82 15	3.6	-.15	14.4	19.	14.8	.94	6 7 82 15	3.8	-.42	16.9	16.	17.5	.58
3 7 82 16	3.3	-.47	15.6	19.	16.6	.85	6 7 82 16	3.1	-.43	16.9	17.	17.4	.55
3 7 82 17	2.9	-.41	15.9	18.	14.5	.84	6 7 82 17	2.3	-.46	17.7	17.	13.2	.50
3 7 82 18	2.5	-.30	15.4	22.	16.0	.87	6 7 82 18	1.9	-.10	14.4	16.	14.7	.58
3 7 82 19	3.0	-.25	15.2	31.	15.8	.75	6 7 82 19	1.8	-.08	16.4	14.	16.6	.70
3 7 82 20	4.4	.02	14.7	28.	14.8	.65	6 7 82 20	1.2	-.26	17.2	20.	14.0	.65
3 7 82 21	2.8	.15	13.1	26.	13.0	.70	6 7 82 21	1.2	.24	16.4	26.	14.7	.62
3 7 82 22	2.5	.29	12.2	26.	11.7	.75	6 7 82 22	2.5	.56	15.0	30.	14.1	.64
3 7 82 23	2.8	.19	11.9	25.	11.5	.74	6 7 82 23	3.3	.69	13.7	32.	13.1	.64
3 7 82 24	2.2	.17	11.3	25.	10.9	.74	6 7 82 24	3.7	.50	13.0	34.	12.1	.68

									FF	D-T	T10M	DD	T3M	RH									
7	7	82	1	3.2	.32	12.4	36.	11.6	.71	10	7	82	1	2.7	-.46	11.4	15.	11.4	.86				
7	7	82	2	2.5	.48	11.9	0.	10.9	.74	10	7	82	2	1.6	.58	12.9	13.	12.5	.94				
7	7	82	3	3.0	.60	12.0	33.	9.5	.78	10	7	82	3	3.4	.46	12.4	15.	12.1	.92				
7	7	82	4	3.0	.48	10.9	32.	9.5	.84	10	7	82	4	2.0	.20	12.1	28.	11.7	.89				
7	7	82	5	3.4	.07	12.1	33.	11.5	.78	10	7	82	5	2.4	.07	11.9	34.	11.7	.84				
7	7	82	6	3.1	-.93	12.3	33.	14.1	.62	10	7	82	6	2.4	-.30	13.5	1004.	14.0	.84				
7	7	82	7	3.9	-.84	14.5	34.	15.5	.55	10	7	82	7	3.2	-.65	15.2	1032.	15.1	.84				
7	7	82	8	1.6	-.49	14.0	31.	17.5	.59	10	7	82	8	3.7	-1.05	15.3	1035.	13.8	.66				
7	7	82	9	2.5	-.38	17.0	33.	19.0	.49	10	7	82	9	4.0	-1.49	15.2	13.	15.3	.63				
7	7	82	10	1.6	-.62	18.4	30.	19.8	.51	10	7	82	10	2.3	-.81	16.1	15.	17.4	.47				
7	7	82	11	2.2	-.62	18.9	28.	20.0	.47	10	7	82	11	99.0	-.71	18.0	14.	18.9	.54				
7	7	82	12	1.4	-.46	20.7	1013.	21.4	.44	10	7	82	12	5.1	-.77	17.2	15.	18.7	.75				
7	7	82	13	3.4	-.79	13.9	15.	20.4	.50	10	7	82	13	5.1	-.59	18.2	15.	18.7	.71				
7	7	82	14	4.6	-.95	16.9	17.	19.4	.44	10	7	82	14	4.4	-.80	16.4	16.	16.8	.58				
7	7	82	15	3.6	-.86	18.0	19.	19.4	.43	10	7	82	15	5.0	-.87	17.7	18.	18.7	.70				
7	7	82	16	4.0	-1.43	17.3	21.	18.5	.41	10	7	82	16	3.2	-1.10	15.7	16.	17.8	.78				
7	7	82	17	4.0	-.67	17.6	21.	18.6	.48	10	7	82	17	2.9	-.45	16.2	18.	16.9	.78				
7	7	82	18	2.7	-.40	17.7	20.	18.5	.53	10	7	82	18	2.2	-.38	17.5	20.	17.9	.90				
7	7	82	19	3.5	-.69	16.2	19.	16.7	.49	10	7	82	19	99.0	-.34	17.3	17.	17.8	.75				
7	7	82	20	2.7	-.45	15.4	18.	16.7	.59	10	7	82	20	1.5	-.46	15.9	14.	16.0	.84				
7	7	82	21	2.5	-.80	14.3	16.	14.9	.68	10	7	82	21	3.0	-.69	16.5	12.	15.4	.88				
7	7	82	22	3.4	.12	13.8	14.	13.6	.82	10	7	82	22	4.3	-.81	15.0	12.	14.1	.81				
7	7	82	23	3.0	.28	14.2	14.	13.5	.86	10	7	82	23	2.6	-.05	16.4	1011.	16.1	.78				
7	7	82	24	2.4	.24	14.2	14.	14.6	.95	10	7	82	24	2.8	.04	15.3	11.	16.5	.83				
8	7	82	1	1.8	.30	12.6	15.	12.1	.94	11	7	82	1	3.0	.28	14.4	15.	14.3	.96				
8	7	82	2	3.1	.59	11.8	33.	11.4	.92	11	7	82	2	1.3	.06	15.4	14.	14.8	.94				
8	7	82	3	2.3	.31	10.3	34.	9.5	.87	11	7	82	3	3.8	-.18	15.1	20.	15.3	.94				
8	7	82	4	2.9	.37	9.8	33.	9.5	.89	11	7	82	4	1.8	-.79	14.8	23.	15.5	.92				
8	7	82	5	.9	.23	11.5	34.	11.1	.85	11	7	82	5	99.0	-.59	14.6	25.	14.5	.82				
8	7	82	6	1.2	.32	12.9	1027.	13.0	.85	11	7	82	6	2.3	-.77	15.2	23.	15.0	.90				
8	7	82	7	1.1	-.19	14.3	13.	14.6	.75	11	7	82	7	1.9	-.61	15.7	23.	14.2	.79				
8	7	82	8	1.2	-.82	16.8	16.	17.6	.52	11	7	82	8	1.2	-1.25	15.2	1023.	15.2	.69				
8	7	82	9	1.4	-.48	13.8	27.	20.0	.45	11	7	82	9	5.9	-.73	17.1	20.	14.1	.80				
8	7	82	10	2.4	-.60	19.8	25.	21.0	.41	11	7	82	10	2.3	-.92	16.2	19.	15.6	.78				
8	7	82	11	2.8	-.91	19.8	1019.	21.1	.48	11	7	82	11	2.4	-.90	16.7	20.	17.3	.72				
8	7	82	12	4.2	-.88	18.9	20.	19.3	.57	11	7	82	12	3.7	-.48	17.9	16.	18.5	.75				
8	7	82	13	2.6	-.54	18.8	18.	19.4	.68	11	7	82	13	3.2	-.79	17.0	15.	17.8	.65				
8	7	82	14	3.3	-.78	19.9	18.	21.1	.62	11	7	82	14	4.1	-.82	17.3	15.	18.6	.53				
8	7	82	15	4.2	-.93	20.1	20.	21.1	.60	11	7	82	15	3.7	-1.15	17.4	18.	18.5	.64				
8	7	82	16	2.9	-.95	19.9	19.	21.1	.58	11	7	82	16	3.9	-1.24	17.2	13.	19.2	.63				
8	7	82	17	3.3	-1.01	19.3	21.	19.7	.61	11	7	82	17	3.3	-1.09	17.8	17.	18.0	.64				
8	7	82	18	5.9	-1.28	19.2	22.	18.4	.43	11	7	82	18	2.8	-.84	16.7	17.	17.8	.71				
8	7	82	19	3.0	-.69	18.0	19.	21.1	.57	11	7	82	19	2.1	-.45	17.0	17.	17.3	.69				
8	7	82	20	2.2	-1.29	15.4	16.	19.0	.73	11	7	82	20	3.0	-.43	15.6	17.	15.5	.79				
8	7	82	21	3.0	-.77	12.5	14.	99.0	.86	11	7	82	21	3.5	-.17	14.9	18.	15.3	.84				
8	7	82	22	2.6	-.01	12.6	1013.	15.0	.84	11	7	82	22	1.9	.26	14.0	17.	14.9	.89				
8	7	82	23	2.3	-.29	13.7	34.	13.8	.82	11	7	82	23	1.6	.05	12.1	19.	11.5	.89				
8	7	82	24	2.8	.50	14.3	34.	14.9	.79	11	7	82	24	3.0	.42	12.5	24.	11.3	.94				
9	7	82	1	3.2	-.08	13.7	34.	14.8	.67	12	7	82	1	1.4	.45	12.5	1013.	11.4	.94				
9	7	82	2	3.4	.30	13.1	34.	12.9	.66	12	7	82	2	1.6	.21	11.6	33.	10.7	.96				
9	7	82	3	4.1	.20	12.9	35.	11.6	.65	12	7	82	3	2.4	.49	11.7	33.	11.6	.98				
9	7	82	4	2.9	-.79	12.2	34.	11.1	.69	12	7	82	4	2.2	.27	11.2	34.	10.5	.89				
9	7	82	5	2.9	-.12	13.1	33.	13.1	.65	12	7	82	5	2.3	-.22	11.9	34.	11.6	.91				
9	7	82	6	2.7	-.74	14.6	32.	15.5	.60	12	7	82	6	1.5	-.74	12.6	33.	12.5	.87				
9	7	82	7	1.8	-.89	16.0	32.	17.9	.51	12	7	82	7	1.9	-.63	15.2	31.	16.0	.81				
9	7	82	8	1.8	-.82	17.3	31.	18.3	.47	12	7	82	8	1.7	-.88	15.9	30.	17.5	.71				
9	7	82	9	2.5	-.53	17.6	29.	13.7	.43	12	7	82	9	1.8	-1.10	17.5	30.	18.6	.64				
9	7	82	10	1.6	-.61	20.4	30.	21.2	.37	12	7	82	10	2.0	-1.37	18.3	29.	20.1	.59				
9	7	82	11	1.4	-.97	21.7	33.	22.8	.30	12	7	82	11	2.7	-1.04	19.7	15.	20.2	.62				
9	7	82	12	1.7	-.77	22.0	1024.	23.4	.30	12	7	82	12	3.5	-1.17	13.1	14.	20.0	.65				
9	7	82	13	3.5	-.54	20.7	13.	21.5	.35	12	7	82	13	3.1	-1.17	19.4	14.	20.6	.67				
9	7	82	14	3.2	-.57	21.7	15.	22.7	.35	12	7	82	14	4.6	-1.14	17.8	15.	19.9	.68				
9	7	82	15	3.1	-1.01	21.1	17.	22.0	.32	12	7	82	15	3.6	-1.16	17.4	14.	20.0	.69				
9	7	82	16	2.8	-.83	21.1	14.	21.4	.32	12	7	82	16	3.3	-.87	18.4	14.	19.7	.66				
9	7	82	17	3.7	-.79	13.9	14.	19.3	.50	12	7	82	17	2.7	-.72	18.5	13.	20.4	.70				
9	7	82	18	3.3	-.94	17.1	14.	16.9	.52	12	7	82	18	1.9	-1.05	17.8	14.	19.0	.67				
9	7	82	19	4.1	-.78	17.0	16.	17.2	.48	12	7	82	19	2.1	-.70	18.1	15.	18.7	.64				
9	7	82	20	1.1	-.85	17.4	15.	16.7	.51	12	7	82	20	1.2	-.60	16.3	14.	17.6	.80				
9	7	82	21	4.7	-.35	15.2	15.	15.0	.67	12	7	82	21	2.4	.08	15.9	1014.	17.3	.82				
9	7	82	22	4.1	.23	15.1	13.	14.0	.81	12	7	82	22	4.0	.24	15.8	1007.	15.6	.88				
9	7	82	23	2.4	.02	14.1	16.	13.4	.81	12	7	82	23	4.8	.04	16.2	1011.	15.6	.82				
9	7	82	24	5.9	-.15	12.8	14.	17.8	.85	12	7	82	24	4.9	.30	16.5	1017.	16.0	.83				

	FF	D-T	T10M	DD	T3M	RH		FF	D-T	T10M	DD	T3M	RH
13 7 82 1	1.7	-.23	15.0	1014.	18.3	.72	16 7 82 1	99.0	.32	14.3	1034.	14.2	.50
13 7 82 2	1.3	.15	15.0	11.	16.5	.75	16 7 82 2	99.0	-.06	16.4	1013.	16.4	.91
13 7 82 3	99.0	.50	15.4	1001.	15.2	.77	16 7 82 3	99.0	-.41	14.9	1021.	14.3	.85
13 7 82 4	4.0	.38	14.4	5.	15.0	.79	16 7 82 4	99.0	-.50	99.0	1030.	14.3	.63
13 7 82 5	3.2	-.06	15.3	4.	14.3	.67	16 7 82 5	99.0	-1.33	14.8	8.	13.9	.81
13 7 82 6	4.7	-.17	15.9	5.	15.9	.70	16 7 82 6	99.0	-1.41	14.3	1011.	14.3	.87
13 7 82 7	9.0	-.55	17.5	5.	15.6	.60	16 7 82 7	99.0	-1.22	15.9	1013.	14.5	.62
13 7 82 8	4.9	-.16	18.5	5.	19.3	.54	16 7 82 8	99.0	-1.23	17.1	15.	16.1	.85
13 7 82 9	3.5	-.39	18.7	5.	19.6	.55	16 7 82 9	99.0	-.95	17.3	1013.	17.3	.89
13 7 82 10	2.5	-.65	20.3	5.	21.1	.53	16 7 82 10	2.9	-.99	17.6	15.	17.2	.76
13 7 82 11	3.4	-.88	21.1	7.	22.7	.51	16 7 82 11	5.4	-.55	17.9	14.	18.7	.88
13 7 82 12	2.2	-.66	21.4	9.	22.9	.50	16 7 82 12	6.4	-.46	16.3	1020.	19.4	.78
13 7 82 13	2.9	-.40	23.1	8.	24.0	.60	16 7 82 13	4.2	-.96	16.7	21.	19.9	.66
13 7 82 14	4.8	-.82	23.0	10.	23.6	.54	16 7 82 14	5.0	-1.42	14.9	22.	19.8	.71
13 7 82 15	6.4	-1.13	23.3	1010.	23.3	.40	16 7 82 15	6.5	-.74	15.2	20.	19.3	.69
13 7 82 16	2.0	-1.03	24.0	13.	25.9	.33	16 7 82 16	5.3	-.88	17.5	20.	18.8	.59
13 7 82 17	2.0	-.64	24.5	9.	25.8	.35	16 7 82 17	3.9	-.45	18.1	20.	19.3	.67
13 7 82 18	2.6	-.73	24.1	11.	25.0	.52	16 7 82 18	3.1	-.56	17.0	20.	17.8	.75
13 7 82 19	2.9	-1.03	23.5	1018.	24.7	.59	16 7 82 19	2.4	-.38	17.7	19.	17.6	.77
13 7 82 20	.8	-1.04	23.4	11.	23.2	.56	16 7 82 20	2.8	-.89	17.0	17.	17.6	.86
13 7 82 21	5.4	-.84	21.4	7.	20.6	.61	16 7 82 21	2.5	-.54	16.0	19.	17.5	.81
13 7 82 22	2.0	.21	20.6	6.	19.2	.60	16 7 82 22	4.1	-.47	14.0	21.	15.4	.78
13 7 82 23	2.4	.45	19.5	1.	13.5	.75	16 7 82 23	3.0	-.26	14.8	1020.	13.3	.69
13 7 82 24	1.8	.31	18.0	5.	18.4	.71	16 7 82 24	2.4	.20	12.5	21.	11.9	.89
14 7 82 1	2.1	.30	13.0	4.	16.9	.80	17 7 82 1	1.9	-.02	11.5	22.	10.8	.87
14 7 82 2	6.1	.05	16.8	5.	16.6	.78	17 7 82 2	2.0	.53	12.0	20.	11.4	.86
14 7 82 3	3.1	.32	13.0	7.	17.4	.81	17 7 82 3	1.8	.84	11.7	22.	10.8	.86
14 7 82 4	1.7	.37	17.9	7.	15.8	.80	17 7 82 4	2.6	-.04	11.9	27.	11.2	.88
14 7 82 5	2.5	-.64	19.9	5.	16.6	.85	17 7 82 5	1.4	-.71	12.9	23.	12.1	.81
14 7 82 6	3.3	-.58	18.2	7.	18.3	.73	17 7 82 6	1.3	-.47	15.0	24.	14.0	.69
14 7 82 7	3.5	-.59	16.2	9.	17.4	.77	17 7 82 7	2.4	-.83	15.4	24.	14.5	.61
14 7 82 8	3.3	-.82	17.9	10.	18.5	.79	17 7 82 8	3.4	-.69	15.5	26.	16.0	.58
14 7 82 9	3.5	-1.16	17.4	9.	19.4	.66	17 7 82 9	3.2	-1.17	14.4	24.	16.0	.54
14 7 82 10	2.4	-1.03	20.6	14.	20.7	.64	17 7 82 10	4.1	-.87	15.4	23.	16.3	.61
14 7 82 11	2.8	-1.24	20.0	16.	22.6	.59	17 7 82 11	3.1	-1.12	14.6	23.	17.4	.57
14 7 82 12	2.1	-.99	21.4	15.	23.2	.54	17 7 82 12	3.9	-1.10	16.5	21.	17.4	.55
14 7 82 13	3.9	-.69	22.9	14.	23.5	.48	17 7 82 13	4.0	-.98	16.1	22.	16.1	.58
14 7 82 14	2.4	-.74	24.2	15.	25.0	.41	17 7 82 14	2.9	-1.29	14.3	19.	15.4	.82
14 7 82 15	1.8	-1.08	24.0	14.	25.6	.34	17 7 82 15	3.5	-.89	14.3	22.	14.1	.83
14 7 82 16	2.5	-.88	24.9	15.	25.8	.31	17 7 82 16	1.1	-.99	13.1	18.	16.6	.70
14 7 82 17	2.5	-1.07	25.6	15.	26.0	.30	17 7 82 17	2.5	-.94	99.0	24.	19.4	.48
14 7 82 18	2.7	-.74	25.2	12.	25.9	.30	17 7 82 18	3.5	-.45	14.1	29.	19.0	.42
14 7 82 19	2.4	-.43	24.6	12.	24.5	.35	17 7 82 19	3.5	-.46	17.2	29.	17.7	.43
14 7 82 20	2.5	-.07	23.8	11.	23.0	.38	17 7 82 20	4.1	-.74	16.4	29.	16.1	.43
14 7 82 21	2.8	-.10	22.4	10.	21.7	.42	17 7 82 21	2.6	.02	15.8	29.	15.4	.50
14 7 82 22	3.3	-.02	21.7	10.	20.5	.46	17 7 82 22	2.1	.23	14.2	31.	13.6	.62
14 7 82 23	3.9	.53	21.3	9.	21.1	.50	17 7 82 23	2.0	.18	13.0	29.	12.3	.42
14 7 82 24	1.8	.20	20.2	10.	18.3	.44	17 7 82 24	2.6	-.13	11.9	29.	11.5	.64
15 7 82 1	3.5	-.19	19.5	10.	18.6	.43	18 7 82 1	3.5	-.25	12.1	29.	11.3	.72
15 7 82 2	3.8	-.01	19.7	12.	18.3	.54	18 7 82 2	2.2	.15	12.3	31.	11.6	.77
15 7 82 3	3.5	.27	18.0	11.	17.6	.62	18 7 82 3	2.3	.45	11.4	31.	11.0	.83
15 7 82 4	4.3	.09	18.0	11.	17.6	.63	18 7 82 4	1.9	.30	11.7	32.	10.4	.85
15 7 82 5	3.1	-.45	18.3	10.	18.1	.67	18 7 82 5	2.6	.07	11.5	32.	11.1	.81
15 7 82 6	3.0	-.90	17.5	10.	17.3	.67	18 7 82 6	1.2	-.51	12.5	34.	12.9	.73
15 7 82 7	3.3	-.54	18.3	9.	13.2	.64	18 7 82 7	1.0	-.56	14.4	0.	15.0	.64
15 7 82 8	2.6	-.55	18.2	8.	19.4	.58	18 7 82 8	.8	-.45	16.8	26.	17.8	.59
15 7 82 9	3.7	-.26	20.7	10.	20.3	.48	18 7 82 9	.6	-.68	18.9	1033.	20.4	.51
15 7 82 10	3.5	-.65	19.5	11.	20.0	.48	18 7 82 10	1.6	-.78	20.0	31.	21.5	.46
15 7 82 11	4.2	-.57	21.5	10.	21.8	.45	18 7 82 11	1.0	-.65	20.9	1029.	21.2	.42
15 7 82 12	5.8	-.55	23.4	11.	22.7	.30	18 7 82 12	2.3	-.94	20.2	16.	21.2	.50
15 7 82 13	5.1	-.66	23.3	12.	21.8	.23	18 7 82 13	5.0	-.88	20.2	17.	20.7	.51
15 7 82 14	5.9	-.80	23.1	13.	21.8	.34	18 7 82 14	3.8	-.79	19.5	16.	20.7	.58
15 7 82 15	3.7	-.77	21.1	15.	20.7	.53	18 7 82 15	3.3	-.97	20.2	17.	21.3	.55
15 7 82 16	3.6	-.91	20.8	15.	21.0	.58	18 7 82 16	3.2	-1.12	19.1	19.	20.3	.51
15 7 82 17	4.3	-1.20	20.7	13.	20.2	.61	13 7 82 17	2.8	-.81	19.2	19.	20.6	.52
15 7 82 18	2.6	-.54	21.7	13.	21.7	.62	13 7 82 18	2.6	-.58	13.2	29.	18.7	.55
15 7 82 19	3.3	-.74	21.9	12.	21.0	.61	18 7 82 19	2.5	-.91	18.3	23.	18.4	.54
15 7 82 20	2.6	-.89	21.0	15.	20.4	.68	18 7 82 20	1.6	-.56	17.4	15.	16.4	.64
15 7 82 21	4.5	-.69	20.2	4.	13.8	.64	18 7 82 21	1.6	.33	15.5	15.	15.4	.80
15 7 82 22	1.7	-.05	19.4	1011.	19.9	.82	18 7 82 22	1.6	.44	15.6	1036.	14.1	.89
15 7 82 23	99.0	.16	16.5	1014.	17.5	.90	18 7 82 23	2.6	.38	14.2	34.	13.8	.83
15 7 82 24	99.0	.23	99.0	1035.	16.7	.72	18 7 82 24	2.8	.69	14.4	32.	13.4	.88

	FF	D-T	T10M	DD	T3M	RH		FF	D-T	T10M	DD	T3M	RH
19 7 82 1	3.2	.19	14.1	33.	13.5	.63	22 7 82 1	2.3	1.10	16.0	3.	14.4	.63
19 7 82 2	3.4	.42	13.6	32.	12.7	.67	22 7 82 2	2.5	.27	16.0	4.	15.5	.51
19 7 82 3	3.0	.40	13.1	33.	12.5	.69	22 7 82 3	2.3	.25	15.6	6.	15.0	.51
19 7 82 4	3.3	.38	12.6	32.	12.1	.66	22 7 82 4	1.8	.27	14.8	6.	14.2	.54
19 7 82 5	2.9	.02	13.2	33.	12.9	.69	22 7 82 5	2.3	.23	14.4	7.	14.1	.54
19 7 82 6	2.5	-.45	14.2	34.	15.3	.59	22 7 82 6	1.1	-.10	14.9	7.	14.9	.53
19 7 82 7	3.0	-.79	15.6	33.	17.6	.51	22 7 82 7	1.4	-.35	16.1	6.	14.9	.49
19 7 82 8	1.9	-1.13	16.7	32.	17.6	.48	22 7 82 8	1.2	-.47	17.1	12.	17.9	.43
19 7 82 9	1.9	-.81	18.5	33.	20.0	.42	22 7 82 9	1.7	-.51	17.6	14.	18.4	.49
19 7 82 10	1.7	-.66	19.9	31.	21.3	.38	22 7 82 10	2.3	-.58	18.0	15.	19.0	.53
19 7 82 11	1.7	-1.01	21.6	32.	23.3	.33	22 7 82 11	2.9	-.61	18.4	15.	19.5	.56
19 7 82 12	1.5	-1.17	23.5	34.	25.0	.32	22 7 82 12	2.8	-.74	19.1	16.	20.1	.58
19 7 82 13	2.3	-.92	23.2	15.	24.7	.31	22 7 82 13	3.1	-.78	19.5	15.	20.8	.59
19 7 82 14	3.0	-.66	22.9	14.	23.2	.36	22 7 82 14	4.7	-.62	19.1	14.	20.1	.64
19 7 82 15	3.8	-.45	21.9	14.	22.3	.44	22 7 82 15	3.7	-.81	19.7	17.	20.9	.61
19 7 82 16	3.1	-.66	21.8	15.	22.7	.45	22 7 82 16	3.6	-.77	19.8	17.	21.1	.62
19 7 82 17	3.1	-.47	22.4	14.	22.1	.52	22 7 82 17	3.2	-.78	20.2	18.	21.4	.62
19 7 82 18	2.2	-.77	22.5	15.	23.4	.50	22 7 82 18	2.7	-.70	20.2	15.	21.2	.65
19 7 82 19	2.5	-.71	22.7	17.	22.0	.43	22 7 82 19	2.6	-.48	20.0	16.	20.9	.64
19 7 82 20	2.4	-.48	19.0	14.	18.8	.63	22 7 82 20	2.6	-.28	19.3	19.	19.7	.62
19 7 82 21	2.5	.10	16.7	14.	16.3	.75	22 7 82 21	2.6	-.00	18.2	16.	18.1	.66
19 7 82 22	3.1	.17	15.9	14.	15.2	.87	22 7 82 22	2.3	.29	17.2	15.	16.9	.74
19 7 82 23	4.2	.46	15.5	14.	15.1	.88	22 7 82 23	2.5	.56	16.8	14.	16.4	.82
19 7 82 24	2.1	.12	15.3	1033.	14.2	.91	22 7 82 24	1.5	.65	16.7	16.	15.8	.86
20 7 82 1	2.8	.22	14.3	34.	13.5	.87	23 7 82 1	1.4	.99	15.6	16.	14.8	.90
20 7 82 2	2.0	.47	13.3	33.	11.0	.77	23 7 82 2	1.4	1.01	13.8	32.	13.1	.96
20 7 82 3	3.2	.54	13.4	33.	12.5	.91	23 7 82 3	2.6	.77	13.2	34.	12.4	.89
20 7 82 4	3.2	.75	14.8	33.	14.1	.83	23 7 82 4	1.9	.77	12.5	32.	11.7	.91
20 7 82 5	3.2	.86	15.8	34.	15.3	.76	23 7 82 5	1.9	.43	12.2	32.	11.5	.95
20 7 82 6	1.7	-.39	17.1	34.	17.7	.63	23 7 82 6	1.1	-.21	13.1	32.	12.4	.92
20 7 82 7	2.2	-.73	18.7	34.	20.2	.56	23 7 82 7	1.1	-.54	14.8	32.	15.2	.83
20 7 82 8	2.5	-1.19	19.8	33.	21.8	.48	23 7 82 8	.9	-.18	17.6	31.	18.4	.66
20 7 82 9	2.8	-.94	21.3	32.	23.4	.49	23 7 82 9	.8	-.18	20.0	24.	21.2	.53
20 7 82 10	2.2	-.63	22.1	31.	23.0	.46	23 7 82 10	1.1	-.63	21.8	1016.	22.9	.46
20 7 82 11	2.4	-1.08	23.4	31.	24.9	.38	23 7 82 11	3.1	-.54	21.5	13.	22.5	.50
20 7 82 12	4.0	-.80	24.0	31.	25.2	.37	23 7 82 12	4.1	-.51	21.0	12.	22.0	.58
20 7 82 13	4.8	-.81	23.9	33.	25.4	.34	23 7 82 13	4.3	-.44	21.0	13.	22.0	.65
20 7 82 14	5.1	-1.00	24.6	32.	26.1	.31	23 7 82 14	4.3	-.52	21.2	15.	22.2	.70
20 7 82 15	5.4	-.85	24.3	32.	26.2	.28	23 7 82 15	4.1	-.49	21.4	14.	22.2	.62
20 7 82 16	5.6	-.36	24.0	32.	24.3	.26	23 7 82 16	2.7	-.35	21.2	15.	21.7	.58
20 7 82 17	4.9	-.34	22.5	32.	23.6	.29	23 7 82 17	2.5	-.35	20.6	14.	21.1	.63
20 7 82 18	4.7	-.45	21.3	32.	22.5	.29	23 7 82 18	2.8	-.21	19.2	12.	19.7	.77
20 7 82 19	4.1	-.68	20.1	32.	20.3	.30	23 7 82 19	3.0	-.24	19.0	12.	19.4	.86
20 7 82 20	3.8	-.08	20.2	31.	20.3	.31	23 7 82 20	3.6	-.12	18.1	13.	18.5	.92
20 7 82 21	3.2	.24	18.6	31.	18.3	.33	23 7 82 21	2.5	-.04	17.6	12.	17.7	.95
20 7 82 22	4.4	.07	17.5	34.	16.8	.30	23 7 82 22	2.3	.13	17.0	14.	17.0	.95
20 7 82 23	3.7	.11	16.2	34.	15.7	.33	23 7 82 23	1.6	.27	16.8	12.	16.5	.96
20 7 82 24	3.3	.30	15.7	33.	15.2	.37	23 7 82 24	2.1	.36	16.4	8.	16.2	.96
21 7 82 1	3.9	.26	15.1	33.	14.5	.42	24 7 82 1	2.1	.24	16.4	7.	16.4	.95
21 7 82 2	3.7	.24	14.2	32.	13.3	.47	24 7 82 2	2.2	.06	16.3	7.	16.4	.94
21 7 82 3	3.5	.50	13.4	32.	12.8	.50	24 7 82 3	2.1	.10	15.9	7.	16.0	.93
21 7 82 4	3.7	.42	12.8	32.	12.4	.54	24 7 82 4	2.3	.14	15.9	7.	15.9	.91
21 7 82 5	3.8	.14	13.3	32.	13.1	.55	24 7 82 5	1.4	.04	16.4	6.	16.5	.89
21 7 82 6	4.1	-.24	14.6	32.	15.3	.51	24 7 82 6	1.5	.02	16.4	4.	16.8	.88
21 7 82 7	3.6	-.58	16.0	33.	17.7	.45	24 7 82 7	2.1	-.08	16.7	2.	17.1	.88
21 7 82 8	3.3	-.49	17.1	2031.	18.6	.42	24 7 82 8	.9	-.24	17.7	1.	18.5	.81
21 7 82 9	3.6	-.67	18.5	34.	20.4	.36	24 7 82 9	.9	-.16	18.9	50.	19.4	.78
21 7 82 10	3.6	-.52	19.1	0.	20.9	.32	24 7 82 10	1.5	-.59	19.8	20.	20.7	.72
21 7 82 11	2.9	-.56	19.9	2.	21.7	.29	24 7 82 11	2.0	-.54	20.4	13.	21.5	.66
21 7 82 12	2.7	-.87	21.2	32.	22.8	.28	24 7 82 12	3.6	-.48	20.2	13.	21.1	.69
21 7 82 13	2.8	-.78	21.9	0.	23.7	.25	24 7 82 13	3.9	-.50	19.6	13.	20.5	.72
21 7 82 14	1.9	-.74	23.0	1004.	24.4	.23	24 7 82 14	4.2	-.46	19.6	14.	20.8	.71
21 7 82 15	1.8	-.74	23.0	1002.	24.9	.22	24 7 82 15	3.1	-.70	19.8	15.	20.8	.69
21 7 82 16	1.8	-.95	23.4	1019.	24.9	.24	24 7 82 16	3.7	-.44	19.0	13.	19.9	.73
21 7 82 17	3.6	-1.04	21.9	21.	23.2	.32	24 7 82 17	3.4	-.53	19.1	13.	19.8	.73
21 7 82 18	3.6	-.75	21.1	21.	22.1	.32	24 7 82 18	3.0	-.41	19.7	14.	19.4	.76
21 7 82 19	3.2	-.66	20.3	22.	21.9	.31	24 7 82 19	2.8	-.37	18.5	15.	19.2	.75
21 7 82 20	1.9	-.32	20.1	22.	20.5	.34	24 7 82 20	2.6	-.16	17.4	15.	17.8	.79
21 7 82 21	1.2	.06	19.0	29.	18.4	.39	24 7 82 21	2.0	.06	16.4	16.	16.4	.86
21 7 82 22	1.8	.54	17.8	31.	16.7	.44	24 7 82 22	1.8	.21	15.7	16.	15.7	.89
21 7 82 23	2.0	.62	17.4	33.	15.3	.54	24 7 82 23	1.8	.29	15.6	16.	15.4	.90
21 7 82 24	1.6	1.23	16.3	1.	14.5	.70	24 7 82 24	1.9	.27	15.1	16.	14.9	.93

		FF	D-T	T10M	DD	T3M	RH			FF	D-T	T10M	DD	T3M	RH
25	7 82 1	2.1	.27	14.9	16.	14.8	.93	28	7 82 1	.8	.93	14.1	34.	13.3	.95
25	7 82 2	2.2	.29	14.6	16.	14.4	.93	28	7 82 2	1.5	.70	13.5	32.	12.8	.94
25	7 82 3	1.9	.35	14.2	16.	14.0	.94	28	7 82 3	1.5	.78	12.9	34.	11.8	.87
25	7 82 4	2.2	.21	14.2	17.	14.1	.94	28	7 82 4	1.5	.54	12.7	32.	11.7	.98
25	7 82 5	1.6	.09	13.8	16.	13.8	.94	28	7 82 5	1.8	.56	12.2	32.	11.4	.93
25	7 82 6	2.0	-.03	14.1	19.	14.1	.92	28	7 82 6	1.6	.12	12.8	32.	12.4	.91
25	7 82 7	2.6	-.16	14.4	21.	14.8	.89	28	7 82 7	1.0	-.42	14.8	35.	14.8	.83
25	7 82 8	3.0	-.30	15.3	22.	15.8	.83	28	7 82 8	.5	-.12	17.9	33.	18.5	.74
25	7 82 9	2.5	-.36	16.3	23.	17.0	.79	28	7 82 9	.7	-.31	20.1	27.	21.1	.60
25	7 82 10	1.8	-.23	16.4	23.	17.0	.79	28	7 82 10	1.4	-.33	21.0	13.	21.9	.54
25	7 82 11	2.2	-.34	16.7	20.	17.3	.76	28	7 82 11	3.6	-.45	20.4	12.	21.5	.67
25	7 82 12	2.9	-.34	16.9	17.	17.4	.72	28	7 82 12	3.2	-.66	21.9	15.	23.0	.58
25	7 82 13	2.9	-.34	16.7	19.	17.5	.71	28	7 82 13	3.2	-.70	22.3	14.	23.4	.54
25	7 82 14	2.7	-.33	16.7	18.	17.3	.70	28	7 82 14	3.1	-.70	22.7	15.	23.8	.46
25	7 82 15	2.6	-.34	16.6	17.	17.3	.71	28	7 82 15	3.8	-.82	22.0	14.	23.1	.48
25	7 82 16	2.7	-.43	17.0	19.	17.8	.70	28	7 82 16	4.6	-.72	21.0	13.	22.0	.53
25	7 82 17	2.8	-.26	16.4	18.	16.9	.73	28	7 82 17	4.5	-.72	20.7	14.	21.5	.57
25	7 82 18	2.0	-.27	16.5	19.	17.0	.73	28	7 82 18	3.7	-.62	20.5	14.	21.2	.58
25	7 82 19	1.8	-.26	16.6	19.	17.1	.73	28	7 82 19	3.8	-.38	19.8	14.	20.3	.66
25	7 82 20	1.5	-.20	16.5	18.	16.9	.75	28	7 82 20	3.8	-.21	18.9	14.	19.1	.75
25	7 82 21	1.0	-.03	16.0	24.	16.2	.80	28	7 82 21	4.9	-.02	18.2	13.	18.1	.83
25	7 82 22	1.2	.29	15.2	23.	15.0	.87	28	7 82 22	4.5	-.20	17.8	13.	17.6	.87
25	7 82 23	1.2	.26	14.7	27.	14.4	.99	28	7 82 23	3.7	-.12	17.0	13.	17.0	.90
25	7 82 24	2.5	.27	13.9	31.	13.7	.95	28	7 82 24	2.4	.36	16.0	11.	16.0	.91
26	7 82 1	2.9	.28	13.7	31.	13.5	.95	29	7 82 1	1.6	.35	16.2	8.	15.7	.93
26	7 82 2	3.0	.24	13.4	31.	13.2	.94	29	7 82 2	1.2	.23	16.2	8.	15.8	.92
26	7 82 3	2.9	.44	13.8	31.	13.3	.86	29	7 82 3	.9	.18	16.9	35.	15.9	.92
26	7 82 4	3.3	.38	13.8	31.	13.3	.80	29	7 82 4	.8	.24	16.2	1.	16.3	.94
26	7 82 5	3.9	.33	13.9	31.	13.5	.73	29	7 82 5	1.8	-.01	15.9	4.	16.2	.93
26	7 82 6	3.9	.02	14.6	33.	14.7	.62	29	7 82 6	1.4	-.20	15.9	4.	16.2	.90
26	7 82 7	3.0	-.38	15.8	33.	16.9	.55	29	7 82 7	1.2	-.43	17.1	2.	17.8	.83
26	7 82 8	3.2	-.59	17.5	34.	19.1	.45	29	7 82 8	1.5	-.44	17.6	6.	18.4	.80
26	7 82 9	4.9	-.38	17.8	1.	19.3	.42	29	7 82 9	2.0	-.67	19.7	11.	19.9	.73
26	7 82 10	5.0	-.47	18.2	3.	19.8	.41	29	7 82 10	1.7	-.64	21.1	15.	22.1	.64
26	7 82 11	4.8	-.48	18.0	5.	19.3	.43	29	7 82 11	2.5	-.99	21.4	14.	22.5	.67
26	7 82 12	5.2	-.55	18.1	5.	19.6	.43	29	7 82 12	3.4	-.34	20.9	15.	22.1	.68
26	7 82 13	4.6	-.57	18.6	2.	20.4	.41	29	7 82 13	3.8	-.81	20.9	14.	21.9	.71
26	7 82 14	4.5	-.57	19.7	4.	21.6	.36	29	7 82 14	4.8	-.63	20.1	13.	21.3	.75
26	7 82 15	3.5	-.50	20.0	4.	21.4	.33	29	7 82 15	4.7	-.80	20.8	14.	21.9	.75
26	7 82 16	3.4	-.58	20.6	2.	22.1	.28	29	7 82 16	4.3	-.84	20.5	14.	21.5	.73
26	7 82 17	3.7	-.48	20.7	3.	22.0	.25	29	7 82 17	3.7	-1.23	20.8	14.	21.8	.62
26	7 82 18	3.6	-.50	20.8	4.	22.1	.23	29	7 82 18	4.6	-.84	19.1	14.	20.0	.78
26	7 82 19	3.5	-.27	20.1	5.	21.0	.24	29	7 82 19	4.4	-.50	18.7	14.	19.6	.94
26	7 82 20	3.4	-.11	19.5	3.	19.7	.24	29	7 82 20	3.9	-.37	18.3	15.	18.4	.87
26	7 82 21	3.0	.20	18.3	4.	17.7	.26	29	7 82 21	3.8	-.26	17.4	14.	17.1	.91
26	7 82 22	1.6	.37	17.1	5.	16.1	.32	29	7 82 22	3.5	-.09	16.6	14.	17.2	.97
26	7 82 23	2.2	.62	16.2	1.	14.7	.39	29	7 82 23	3.0	-.42	14.2	15.	14.9	.93
26	7 82 24	2.0	.49	15.7	4.	14.4	.42	29	7 82 24	2.9	-.10	17.1	16.	17.2	.92
27	7 82 1	2.5	.45	14.3	1.	13.1	.45	30	7 82 1	1.7	-.27	16.2	14.	17.0	.90
27	7 82 2	2.1	.51	13.4	2.	12.1	.49	30	7 82 2	1.8	-.05	16.8	14.	17.8	.89
27	7 82 3	2.2	.54	12.8	33.	11.6	.54	30	7 82 3	1.4	-.32	16.0	13.	17.5	.89
27	7 82 4	2.7	.47	12.5	1.	11.0	.59	30	7 82 4	2.0	-.75	14.4	10.	16.9	.81
27	7 82 5	2.7	.40	12.2	1.	10.8	.60	30	7 82 5	2.1	-.50	15.7	4.	15.3	.83
27	7 82 6	2.1	.05	12.5	0.	11.5	.63	30	7 82 6	1.9	-.23	16.1	7.	16.6	.89
27	7 82 7	2.0	-.43	13.3	35.	14.5	.56	30	7 82 7	1.7	-.34	14.6	10.	14.5	.85
27	7 82 8	1.9	-.78	14.4	34.	16.3	.54	30	7 82 8	1.0	-.22	17.8	5.	13.5	.82
27	7 82 9	2.0	-.55	15.7	30.	17.0	.51	30	7 82 9	1.4	-.49	19.0	14.	19.7	.73
27	7 82 10	1.5	-.43	16.9	29.	18.1	.46	30	7 82 10	2.0	-.68	20.2	15.	21.2	.66
27	7 82 11	1.4	-.65	18.6	30.	19.9	.35	30	7 82 11	2.5	-.64	20.3	16.	21.4	.66
27	7 82 12	1.2	-.48	19.8	1031.	20.9	.34	30	7 82 12	3.0	-.70	20.6	14.	21.6	.66
27	7 82 13	2.5	-.76	19.4	14.	20.6	.40	30	7 82 13	3.4	-.74	20.4	14.	21.5	.65
27	7 82 14	2.5	-.82	19.8	15.	21.1	.40	30	7 82 14	3.8	-.66	20.2	15.	21.4	.65
27	7 82 15	2.8	-.90	20.0	18.	21.4	.40	30	7 82 15	3.8	-.67	19.6	15.	20.9	.67
27	7 82 16	3.1	-.83	20.1	14.	21.3	.41	30	7 82 16	3.8	-.66	19.6	14.	20.8	.67
27	7 82 17	2.4	-.92	20.6	18.	21.9	.41	30	7 82 17	3.7	-.65	19.7	15.	20.0	.70
27	7 82 18	2.8	-.67	19.7	14.	20.6	.46	30	7 82 18	3.1	-.64	18.6	16.	19.6	.73
27	7 82 19	2.3	-.51	19.2	17.	20.0	.49	30	7 82 19	2.9	-.45	17.8	14.	18.6	.78
27	7 82 20	1.9	-.35	18.2	15.	18.5	.58	30	7 82 20	2.2	-.42	17.0	14.	17.3	.85
27	7 82 21	2.0	.05	16.7	14.	16.5	.72	30	7 82 21	1.7	-.98	14.9	14.	15.9	.92
27	7 82 22	2.2	.37	15.7	14.	15.4	.88	30	7 82 22	1.3	.29	15.1	17.	14.9	.95
27	7 82 23	.8	.35	15.1	20.	14.2	.91	30	7 82 23	.6	.24	14.7	12.	14.1	.95
27	7 82 24	.5	.35	14.8	27.	13.7	.93	30	7 82 24	.5	.31	14.6	1012.	14.0	.96



			FF	D-T	T10M	DD	TSM	RH	
31	7	82	1	.4	.08	14.7	1002.	14.6	.95
31	7	82	2	.6	-.02	14.5	5.	14.6	.94
31	7	32	3	.3	-.03	14.2	10.	14.4	.94
31	7	82	4	1.1	-.03	13.6	8.	13.8	.95
31	7	82	5	1.0	-.03	13.2	3.	13.4	.95
31	7	82	6	1.2	-.04	13.1	7.	13.4	.95
31	7	82	7	1.6	-.08	13.3	10.	13.6	.95
31	7	82	8	1.4	-.19	13.5	11.	14.0	.92
31	7	82	9	1.0	-.43	15.0	5.	15.9	.80
31	7	82	10	1.0	-.48	17.9	20.	19.0	.71
31	7	32	11	1.8	-.46	19.5	20.	20.5	.64
31	7	82	12	1.2	-.50	22.0	1027.	23.3	.52
31	7	82	13	1.9	-.63	24.1	14.	25.1	.39
31	7	82	14	2.4	-.62	23.3	13.	24.2	.51
31	7	82	15	2.4	-.70	23.9	14.	24.8	.46
31	7	82	16	2.3	-.56	25.3	14.	26.1	.29
31	7	82	17	2.9	-.58	24.5	13.	25.2	.29
31	7	82	18	2.5	-.45	24.2	14.	24.8	.30
31	7	82	19	1.5	-.28	24.8	14.	25.2	.30
31	7	82	20	1.0	-.11	25.2	1023.	24.4	.32
31	7	82	21	1.2	.89	22.7	14.	21.5	.31
31	7	82	22	.8	1.06	21.5	14.	19.8	.37
31	7	82	23	.5	.94	20.3	1026.	18.4	.49
31	7	82	24	2.1	1.51	18.1	34.	14.7	.81

	FF	D-T	T10M	DD	T5M	RH		FF	D-T	T10M	DD	T5M	RH
1 8 82 1	2.4	.85	17.0	34.	15.9	.72	4 8 82 1	2.4	1.19	17.5	33.	16.5	.93
1 8 82 2	2.2	1.37	15.1	33.	14.5	.87	4 8 82 2	1.7	.72	16.9	33.	15.2	.87
1 8 82 3	2.9	.96	14.3	32.	13.7	.87	4 8 82 3	1.0	1.01	16.4	31.	15.0	.88
1 3 82 4	2.7	1.24	14.0	33.	13.1	.88	4 8 82 4	1.8	.64	16.0	32.	15.4	.94
1 8 82 5	3.2	.76	13.4	32.	13.0	.90	4 8 82 5	2.2	.50	15.9	32.	15.2	.88
1 3 82 6	2.7	.06	14.3	33.	14.1	.37	4 8 82 6	1.4	-.14	16.9	33.	17.4	.87
1 8 82 7	2.3	-.52	15.8	33.	14.9	.75	4 8 82 7	.9	-.50	19.6	35.	20.3	.75
1 3 82 8	1.9	-.80	13.5	34.	20.1	.64	4 8 82 8	1.5	-.50	21.4	1.	23.6	.55
1 8 82 9	1.6	-.78	21.5	32.	22.8	.53	4 8 82 9	.9	-.35	24.5	30.	25.6	.48
1 3 82 10	1.5	-.74	24.3	32.	25.4	.43	4 8 82 10	1.0	-.17	26.0	1025.	24.9	.33
1 8 82 11	.9	-.37	27.8	1025.	28.6	.27	4 3 82 11	2.2	-.53	26.4	13.	27.4	.30
1 3 82 12	1.6	-.50	23.5	14.	29.1	.27	4 8 82 12	2.7	-.57	26.5	14.	27.3	.33
1 8 82 13	3.5	-.40	26.8	12.	27.7	.31	4 8 82 13	3.3	-.52	26.3	14.	27.3	.29
1 3 82 14	3.8	-.40	25.8	13.	26.7	.32	4 8 82 14	3.1	-.66	24.3	15.	27.2	.27
1 8 82 15	3.7	-.67	25.8	14.	26.6	.33	4 3 82 15	3.0	-.68	26.2	15.	27.4	.27
1 8 82 16	3.9	-.42	25.8	13.	26.6	.36	4 8 82 16	2.7	-.69	26.5	15.	27.5	.28
1 8 82 17	2.8	-.65	26.4	15.	27.2	.36	4 3 82 17	2.3	-.54	26.0	13.	26.7	.29
1 3 82 18	2.8	-.36	24.9	12.	25.6	.47	4 8 82 18	2.2	-.42	25.3	16.	25.9	.31
1 8 82 19	2.6	-.21	23.6	13.	24.0	.63	4 8 82 19	1.9	-.32	24.0	18.	24.5	.32
1 8 82 20	2.0	-.07	22.3	12.	22.2	.76	4 8 82 20	1.8	-.12	21.7	17.	21.2	.49
1 8 82 21	2.6	.56	20.8	13.	20.2	.89	4 8 82 21	2.3	.43	19.7	20.	19.4	.62
1 3 82 22	2.7	.54	19.5	13.	19.1	.94	4 8 82 22	1.0	.50	18.7	21.	17.4	.74
1 8 82 23	2.0	1.05	18.9	13.	18.5	.95	4 3 82 23	.6	.22	18.5	15.	16.8	.79
1 9 82 24	1.2	.98	13.5	14.	17.7	.95	4 8 82 24	.9	.99	17.0	34.	15.9	.88
2 8 82 1	1.1	.63	17.0	0.	16.4	.95	5 8 82 1	2.2	.91	16.0	34.	15.0	.80
2 8 82 2	2.1	.97	15.3	35.	14.6	.90	5 8 82 2	2.1	.64	15.5	35.	14.5	.75
2 8 82 3	2.3	1.16	15.7	35.	14.7	.92	5 8 82 3	2.1	.59	14.5	32.	13.9	.84
2 8 82 4	2.2	1.01	15.2	33.	14.3	.91	5 8 82 4	1.9	.61	14.2	33.	13.4	.88
2 8 82 5	2.5	.39	14.0	33.	13.3	.88	5 8 82 5	2.4	.32	14.3	33.	13.9	.88
2 3 82 6	2.5	.37	15.2	32.	14.6	.87	5 8 82 6	2.1	-.22	15.3	34.	15.9	.82
2 8 82 7	3.2	-.62	16.9	34.	17.5	.63	5 8 82 7	2.2	-.46	16.6	33.	17.7	.75
2 8 82 8	1.2	-1.10	19.7	34.	21.3	.65	5 8 82 8	1.9	-.81	19.5	34.	21.3	.59
2 8 82 9	1.9	-1.06	21.7	33.	23.2	.59	5 8 82 9	1.6	-.75	22.5	34.	24.3	.49
2 8 82 10	1.1	-.87	23.9	33.	26.3	.52	5 8 82 10	1.1	-.63	25.3	33.	26.3	.44
2 8 82 11	1.1	-.87	26.5	32.	29.0	.26	5 8 82 11	1.5	-.56	26.5	12.	27.4	.41
2 3 82 12	1.6	-.75	28.9	14.	30.1	.27	5 8 82 12	3.6	-.53	26.1	14.	27.0	.40
2 8 82 13	3.7	-.48	27.3	13.	28.2	.37	5 8 82 13	3.7	-.53	26.3	14.	27.3	.40
2 8 82 14	4.2	-.50	26.1	13.	26.7	.40	5 8 82 14	3.2	-.70	26.9	14.	27.8	.39
2 8 82 15	3.4	-.91	27.1	15.	27.9	.36	5 3 82 15	3.0	-.66	27.1	16.	23.2	.34
2 8 82 16	3.1	-1.04	27.2	15.	27.8	.33	5 8 82 16	2.7	-.69	27.3	17.	28.5	.30
2 8 82 17	2.8	-.90	27.2	15.	27.7	.32	5 8 82 17	2.6	-.77	27.4	19.	23.5	.29
2 3 82 18	2.1	-.55	27.1	14.	27.6	.37	5 8 82 18	2.1	-.62	27.2	21.	28.2	.27
2 8 82 19	2.0	-.06	25.4	13.	26.0	.51	5 3 82 19	1.7	-.40	26.3	22.	26.9	.30
2 8 82 20	1.8	-.05	23.9	13.	23.8	.64	5 8 82 20	1.0	.34	25.9	20.	22.5	.48
2 3 82 21	2.3	.34	22.3	13.	21.4	.70	5 3 82 21	1.2	.90	22.2	23.	20.6	.56
2 8 82 22	1.7	.94	20.9	13.	20.1	.78	5 8 82 22	.9	1.27	21.4	32.	19.6	.41
2 8 82 23	.0	.95	21.7	1028.	19.8	.75	5 8 82 23	.9	1.44	19.6	35.	18.2	.79
2 3 82 24	1.8	1.69	20.2	34.	18.5	.79	5 8 82 24	1.8	1.58	18.2	35.	17.2	.87
3 8 82 1	2.5	1.16	19.4	34.	18.6	.80	6 8 82 1	2.3	1.04	17.3	34.	16.3	.84
3 8 82 2	3.1	.46	18.3	34.	18.0	.72	6 8 82 2	2.4	.83	16.3	34.	15.3	.85
3 8 82 3	2.6	.88	17.5	33.	16.1	.87	6 8 82 3	2.7	.78	15.5	33.	14.8	.81
3 8 82 4	2.7	.63	15.5	34.	14.7	.87	6 8 82 4	2.0	.87	14.9	33.	14.0	.87
3 8 82 5	3.1	.38	15.4	34.	14.4	.88	6 8 82 5	2.5	.43	14.8	32.	14.3	.93
3 3 82 6	2.9	-.21	16.8	35.	16.3	.81	6 8 82 6	2.1	-.26	15.9	32.	16.5	.86
3 8 82 7	2.0	-.99	18.4	35.	18.9	.69	6 3 82 7	1.7	-.64	18.1	34.	19.3	.74
3 3 82 8	2.4	-1.24	20.6	34.	22.4	.56	6 8 82 8	1.6	-.85	20.7	34.	22.2	.61
3 3 82 9	1.4	-.90	23.3	33.	24.4	.54	6 3 82 9	1.4	-.85	23.9	33.	25.5	.47
3 3 82 10	1.8	-1.29	24.7	32.	25.9	.43	6 8 82 10	1.6	-.68	24.0	34.	27.8	.37
3 8 82 11	1.2	-1.12	24.5	31.	27.9	.38	6 3 82 11	1.0	-.59	28.0	1017.	29.1	.30
3 8 82 12	99.0	99.00	99.0	99.	99.0	99.00	6 8 82 12	2.5	-.63	29.0	13.	28.9	.29
3 8 82 13	3.0	-.58	99.0	14.	31.0	.24	6 8 82 13	3.2	-.46	27.5	13.	28.4	.29
3 8 82 14	2.1	-.77	99.0	14.	31.9	.22	6 8 82 14	3.0	-.63	27.4	15.	28.4	.33
3 8 82 15	1.9	-.73	99.0	15.	32.4	.19	6 8 82 15	3.3	-.66	26.8	17.	27.7	.35
3 8 82 16	3.1	-.53	27.4	15.	30.1	.30	6 8 82 16	2.8	-.69	24.3	18.	27.5	.34
3 8 82 17	3.5	-.44	25.8	13.	24.4	.50	6 3 82 17	2.6	-.52	25.2	15.	25.9	.49
3 3 82 18	3.3	-.27	25.1	14.	25.5	.51	6 8 82 18	2.0	-.35	24.7	16.	25.2	.52
3 8 82 19	3.0	-.16	23.1	13.	23.4	.69	6 3 82 19	1.6	-.20	24.1	17.	24.3	.50
3 3 82 20	2.7	-.03	21.4	13.	21.4	.90	6 8 82 20	1.7	.29	22.4	15.	22.0	.58
3 8 82 21	2.6	.17	20.2	12.	20.1	.95	6 3 82 21	2.0	.74	20.7	13.	20.1	.81
3 3 82 22	2.1	.37	19.6	13.	19.3	.96	6 8 82 22	1.1	1.07	20.2	14.	19.3	.88
3 8 82 23	1.3	.52	19.2	13.	18.6	.95	6 3 82 23	1.3	1.07	19.7	13.	18.7	.91
3 8 82 24	1.0	.58	13.6	34.	17.7	.95	6 8 82 24	1.4	1.07	18.9	14.	17.8	.93

	FF	D-T	T10M	DD	T3M	RH		FF	D-T	T10M	DD	T3M	RH
7 8 82 1	1.2	.70	18.0	14.	17.3	.95	10 8 82 1	3.1	.18	14.6	31.	14.4	.49
7 8 82 2	.9	1.27	16.5	1035.	15.8	.95	10 8 82 2	2.6	.19	14.1	30.	14.0	.52
7 8 82 3	1.7	1.31	15.7	33.	15.0	.95	10 8 82 3	3.3	.16	13.8	31.	13.6	.53
7 8 82 4	2.5	1.14	15.4	33.	14.4	.89	10 8 82 4	3.3	.20	13.5	30.	13.2	.53
7 8 82 5	2.0	.59	14.8	33.	14.1	.92	10 8 82 5	5.1	.09	13.3	29.	13.2	.52
7 8 82 6	2.2	-.13	16.3	33.	16.7	.83	10 8 82 6	4.0	.03	13.6	29.	13.6	.52
7 8 82 7	1.0	-.55	19.2	35.	20.2	.71	10 8 82 7	3.1	-.14	14.6	29.	15.1	.49
7 8 82 8	1.3	-.45	21.1	1.	22.7	.55	10 8 82 8	3.0	-.44	15.9	29.	17.1	.47
7 8 82 9	1.5	-.83	23.3	33.	24.5	.52	10 8 82 9	4.0	-.38	16.6	29.	17.6	.46
7 8 82 10	.7	-.49	24.4	1032.	27.3	.38	10 8 82 10	4.4	-.42	17.9	30.	18.9	.43
7 8 82 11	2.4	-.38	25.9	13.	24.7	.41	10 8 82 11	4.4	-.55	18.3	30.	19.4	.40
7 8 82 12	3.8	-.40	25.4	13.	26.2	.44	10 8 82 12	3.9	-.50	19.0	28.	19.9	.37
7 8 82 13	3.9	-.46	25.3	14.	24.1	.49	10 8 82 13	4.7	-.51	19.8	28.	21.0	.33
7 8 82 14	4.3	-.42	25.0	13.	25.7	.55	10 8 82 14	5.6	-.48	19.4	30.	20.3	.31
7 8 82 15	4.2	-.30	24.4	13.	25.0	.45	10 8 82 15	6.1	-.62	19.9	29.	21.1	.24
7 8 82 16	3.4	-.50	25.8	15.	26.5	.63	10 8 82 16	4.9	-.32	19.9	30.	19.7	.24
7 8 82 17	3.4	-.47	26.4	19.	27.1	.48	10 8 82 17	5.3	-.39	18.8	30.	19.5	.30
7 8 82 18	3.3	-.21	25.7	20.	26.2	.41	10 8 82 18	6.5	-.13	17.5	29.	17.9	.34
7 8 82 19	1.7	.06	24.0	15.	23.9	.52	10 8 82 19	6.2	-.08	17.2	30.	17.6	.36
7 8 82 20	2.1	.19	21.6	13.	21.5	.82	10 8 82 20	6.6	.02	16.1	30.	16.2	.39
7 8 82 21	2.2	.39	20.5	14.	20.3	.93	10 8 82 21	6.8	.04	15.0	29.	15.2	.39
7 8 82 22	2.2	.47	20.1	13.	19.9	.96	10 8 82 22	2.3	.14	13.7	25.	13.6	.47
7 8 82 23	1.3	.35	19.9	12.	19.6	.96	10 8 82 23	2.0	.26	12.9	25.	12.6	.54
7 8 82 24	.2	.57	19.2	1002.	18.5	.93	10 8 82 24	2.8	.15	12.7	25.	12.5	.56
8 8 82 1	.6	.70	18.5	1033.	18.2	.89	11 8 82 1	3.6	.11	11.7	25.	11.5	.62
8 8 82 2	1.2	.77	18.2	33.	17.8	.90	11 8 82 2	4.1	.13	11.5	25.	11.2	.66
8 8 82 3	1.4	.85	18.0	33.	17.6	.89	11 8 82 3	3.4	.15	11.1	25.	10.8	.68
8 8 82 4	1.1	.67	17.5	34.	17.0	.93	11 8 82 4	2.7	.24	11.0	24.	10.7	.71
8 8 82 5	1.5	.56	16.9	32.	14.7	.95	11 8 82 5	2.1	.26	11.1	27.	10.6	.74
8 8 82 6	1.2	.31	17.3	35.	17.4	.93	11 8 82 6	1.5	-.29	12.6	1024.	12.8	.69
8 8 82 7	.7	.06	18.3	32.	18.6	.98	11 8 82 7	2.0	-.37	14.1	26.	14.9	.62
8 8 82 8	.5	-.13	21.0	1022.	21.5	.76	11 8 82 8	3.6	-.24	15.1	28.	15.9	.56
8 8 82 9	.9	-.49	23.9	16.	24.7	.59	11 8 82 9	4.3	-.27	16.3	28.	17.1	.51
8 8 82 10	2.5	-.47	24.4	14.	25.1	.56	11 8 82 10	6.8	-.32	16.8	29.	17.5	.45
8 8 82 11	2.9	-.67	25.1	18.	24.2	.48	11 8 82 11	4.8	-.60	18.4	29.	19.6	.41
8 8 82 12	3.8	-.58	24.2	16.	25.2	.52	11 8 82 12	5.3	-.51	18.6	28.	19.6	.40
8 8 82 13	3.6	-.69	24.2	18.	25.3	.56	11 8 82 13	5.1	-.57	19.3	27.	20.4	.36
8 8 82 14	4.3	-.67	23.5	18.	24.6	.58	11 8 82 14	5.6	-.45	19.2	28.	20.1	.35
8 8 82 15	4.6	-.61	23.1	19.	24.2	.56	11 8 82 15	4.7	-.22	18.7	27.	19.3	.37
8 8 82 16	4.0	-.59	23.2	18.	24.2	.57	11 8 82 16	4.4	-.16	18.0	27.	18.5	.41
8 8 82 17	4.0	-.44	22.7	21.	23.5	.61	11 8 82 17	4.5	-.35	18.5	26.	19.3	.39
8 8 82 18	3.5	-.19	22.4	21.	22.8	.64	11 8 82 18	3.8	-.15	18.2	27.	18.7	.40
8 8 82 19	3.9	-.06	22.2	24.	22.4	.58	11 8 82 19	3.6	-.14	18.4	29.	18.9	.40
8 8 82 20	4.5	.03	20.7	23.	20.9	.60	11 8 82 20	4.3	.04	17.2	28.	17.3	.41
8 8 82 21	3.4	.11	19.5	22.	19.7	.42	11 8 82 21	3.4	.11	16.9	26.	16.1	.45
8 8 82 22	4.5	.06	19.0	23.	19.2	.67	11 8 82 22	3.0	.16	15.0	25.	15.0	.50
8 8 82 23	4.2	.02	18.5	23.	18.7	.71	11 8 82 23	3.1	.34	13.8	23.	13.6	.60
8 8 82 24	2.8	.10	17.8	23.	18.0	.76	11 8 82 24	2.4	.34	13.2	22.	12.9	.66
9 8 82 1	3.2	.05	17.8	23.	18.0	.75	12 8 82 1	2.5	.20	13.0	22.	12.8	.71
9 8 82 2	5.1	.09	16.5	22.	16.7	.53	12 8 82 2	2.2	.16	13.2	21.	13.1	.75
9 8 82 3	2.3	.12	15.3	18.	15.5	.92	12 8 82 3	1.9	.08	13.6	18.	13.6	.77
9 8 82 4	2.7	.15	15.2	20.	15.3	.94	12 8 82 4	1.8	.03	13.8	17.	13.9	.83
9 8 82 5	2.7	.10	15.5	20.	15.6	.91	12 8 82 5	1.4	.05	13.8	16.	13.9	.90
9 8 82 6	1.7	.03	15.7	20.	15.8	.90	12 8 82 6	1.4	.10	14.0	15.	14.1	.93
9 8 82 7	1.0	-.17	16.3	21.	16.7	.87	12 8 82 7	2.0	.02	14.9	19.	15.1	.93
9 8 82 8	1.8	-.16	18.1	26.	18.9	.79	12 8 82 8	3.0	-.20	16.4	20.	16.9	.87
9 8 82 9	1.5	-.50	20.8	27.	21.9	.63	12 8 82 9	3.4	-.21	17.2	19.	17.8	.84
9 8 82 10	1.8	-.71	22.0	32.	23.1	.52	12 8 82 10	4.3	-.27	17.7	21.	18.3	.83
9 8 82 11	2.0	-.45	23.0	29.	23.7	.45	12 8 82 11	4.4	-.29	17.3	20.	18.4	.85
9 8 82 12	2.0	-.58	23.8	31.	24.7	.36	12 8 82 12	5.2	-.32	18.0	21.	18.6	.85
9 8 82 13	1.8	-.49	24.5	31.	25.8	.32	12 8 82 13	5.2	-.34	18.1	20.	18.8	.84
9 8 82 14	2.7	-.80	25.0	32.	26.7	.23	12 8 82 14	5.5	-.44	18.6	19.	19.4	.80
9 8 82 15	3.0	-.92	25.4	31.	27.4	.15	12 8 82 15	5.5	-.26	18.2	20.	18.8	.81
9 8 82 16	2.9	-.34	25.6	32.	27.5	.13	12 8 82 16	5.1	-.13	17.4	19.	17.8	.87
9 8 82 17	4.2	-.72	24.9	29.	24.3	.14	12 8 82 17	5.8	.04	15.0	21.	15.2	.94
9 8 82 18	5.7	-.42	23.3	31.	24.3	.18	12 8 82 18	4.4	.03	15.2	21.	15.4	.92
9 8 82 19	4.7	-.24	21.8	31.	22.4	.21	12 8 82 19	3.4	.01	15.1	26.	15.3	.91
9 8 82 20	5.0	-.01	19.6	31.	19.7	.26	12 8 82 20	5.2	.07	14.5	24.	14.5	.81
9 8 82 21	4.6	.13	17.8	31.	17.8	.32	12 8 82 21	4.1	.19	13.2	24.	13.1	.78
9 8 82 22	4.5	.16	16.5	30.	16.4	.37	12 8 82 22	3.6	.24	12.1	23.	11.8	.87
9 8 82 23	4.2	.13	15.8	30.	15.7	.41	12 8 82 23	3.4	.19	11.7	22.	11.5	.85
9 8 82 24	4.1	.19	15.1	31.	15.0	.44	12 8 82 24	4.5	.14	11.5	24.	11.3	.83

	FF	D-T	T10M	DD	T3M	RH		FF	D-T	T10M	DD	T3M	RH
13 8 82 1	4.2	.14	11.0	23.	10.8	.84	16 3 82 1	1.3	1.26	9.3	33.	7.9	.91
13 8 82 2	3.8	.18	10.6	23.	10.3	.86	16 8 82 2	2.6	1.05	8.2	33.	7.1	.89
13 8 82 3	3.7	.16	10.6	24.	10.3	.85	16 8 82 3	2.4	.97	7.8	34.	6.9	.86
13 8 82 4	2.4	.35	10.1	22.	9.6	.89	16 8 82 4	2.5	.44	7.2	33.	6.4	.90
13 8 82 5	2.7	.29	10.2	22.	9.6	.91	16 8 82 5	2.8	.71	7.3	34.	6.3	.93
13 8 82 6	3.0	-.22	11.3	22.	11.4	.82	16 8 82 6	2.1	-.14	9.1	35.	9.4	.83
13 8 82 7	3.2	-.43	12.8	22.	13.4	.73	16 8 82 7	2.2	-.64	10.6	35.	11.8	.72
13 8 82 8	4.2	-.38	14.0	25.	14.7	.65	16 8 82 8	1.0	-.70	13.4	33.	15.1	.61
13 8 82 9	4.4	-.34	14.9	24.	15.6	.58	16 8 82 9	1.6	-.51	15.0	30.	16.2	.60
13 8 82 10	4.3	-.30	15.5	24.	16.1	.53	16 8 82 10	1.5	-.59	16.0	1029.	17.1	.54
13 8 82 11	5.6	-.19	15.6	24.	16.0	.50	16 8 82 11	2.3	-.72	16.6	13.	17.7	.47
13 8 82 12	5.6	-.34	16.3	24.	16.9	.43	16 8 82 12	2.0	-.78	16.9	16.	18.2	.47
13 8 82 13	5.7	-.47	17.7	25.	18.6	.33	16 8 82 13	3.1	-.66	16.7	15.	17.7	.40
13 8 82 14	4.0	-.39	17.6	23.	18.4	.40	16 8 82 14	3.0	-.70	16.7	15.	17.8	.44
13 8 82 15	4.2	-.45	17.9	26.	18.7	.38	16 8 82 15	3.4	-.60	16.7	14.	17.8	.38
13 8 82 16	5.1	-.44	17.4	23.	18.3	.38	16 8 82 16	3.1	-.58	16.3	15.	17.3	.36
13 8 82 17	5.0	-.21	15.8	26.	16.4	.46	16 8 82 17	2.7	-.36	15.4	18.	16.0	.44
13 8 82 18	4.2	-.19	16.5	27.	17.1	.45	16 8 82 18	2.4	-.16	14.6	18.	15.0	.60
13 8 82 19	3.2	-.12	16.1	27.	16.5	.47	16 8 82 19	2.6	-.03	14.4	16.	14.6	.61
13 8 82 20	3.2	.06	14.8	25.	14.8	.49	16 8 82 20	1.9	.13	14.1	11.	14.0	.68
13 8 82 21	2.8	.19	13.5	24.	13.4	.55	16 8 82 21	2.6	.13	13.6	12.	13.4	.71
13 8 82 22	2.8	.22	12.4	24.	12.2	.63	16 8 82 22	2.2	.15	14.2	13.	14.2	.75
13 8 82 23	2.2	.24	11.7	29.	11.1	.67	16 8 82 23	3.2	-.02	14.7	13.	15.0	.83
13 8 82 24	1.4	.33	11.1	32.	9.8	.78	16 8 82 24	2.4	-.02	14.8	13.	15.0	.92
14 8 82 1	2.7	.37	10.6	32.	9.6	.82	17 8 82 1	2.5	-.01	14.3	14.	14.5	.95
14 8 82 2	2.6	.27	10.2	31.	9.5	.77	17 8 82 2	1.5	-.14	14.6	20.	14.6	.94
14 8 82 3	2.1	.36	9.3	33.	8.5	.82	17 8 82 3	1.9	.12	14.0	24.	14.0	.94
14 8 82 4	3.0	.30	8.9	31.	8.3	.82	17 8 82 4	1.3	.32	13.7	18.	13.5	.95
14 8 82 5	3.6	.22	8.6	31.	8.1	.82	17 8 82 5	1.7	.30	13.5	20.	13.4	.95
14 8 82 6	3.9	.14	8.8	31.	8.4	.78	17 8 82 6	2.2	.09	13.3	28.	13.3	.94
14 8 82 7	3.2	-.30	10.3	32.	10.9	.68	17 8 82 7	4.8	.10	11.4	34.	11.2	.90
14 8 82 8	3.8	-.65	12.4	32.	14.0	.56	17 8 82 8	1.4	-.08	12.6	32.	12.8	.88
14 8 82 9	4.1	-.72	14.2	32.	14.0	.45	17 8 82 9	1.0	-.07	14.7	28.	15.4	.76
14 8 82 10	3.9	-.74	15.7	31.	17.3	.38	17 8 82 10	1.2	-.50	16.3	1025.	17.4	.64
14 8 82 11	3.6	-.68	16.8	31.	18.1	.35	17 8 82 11	1.6	-.53	16.7	21.	17.6	.61
14 8 82 12	3.7	-.64	17.5	31.	18.7	.30	17 8 82 12	2.7	-.49	16.9	21.	17.7	.60
14 8 82 13	4.5	-.56	18.3	30.	19.4	.25	17 8 82 13	2.4	-.74	17.7	18.	18.9	.55
14 8 82 14	4.7	-.31	17.4	31.	18.1	.25	17 8 82 14	3.4	-.62	17.4	19.	18.4	.56
14 8 82 15	4.8	-.52	17.9	31.	19.1	.24	17 8 82 15	3.1	-.55	17.5	13.	18.4	.54
14 8 82 16	6.2	-.43	17.7	31.	18.9	.26	17 8 82 16	4.0	-.41	16.7	19.	17.5	.60
14 8 82 17	5.7	-.47	17.5	31.	18.5	.27	17 8 82 17	3.7	-.64	17.2	19.	18.2	.56
14 8 82 18	5.2	-.32	17.1	30.	17.9	.28	17 8 82 18	3.6	-.19	15.9	20.	16.3	.64
14 8 82 19	5.7	-.11	16.0	30.	16.4	.31	17 8 82 19	2.1	-.05	15.1	19.	15.4	.68
14 8 82 20	5.2	.07	14.6	31.	14.5	.36	17 8 82 20	2.4	.21	14.4	19.	14.6	.70
14 8 82 21	4.1	.14	13.4	30.	13.2	.42	17 8 82 21	2.1	.39	14.0	19.	13.8	.73
14 8 82 22	4.0	.14	12.6	30.	12.4	.46	17 8 82 22	1.6	.42	13.3	20.	12.6	.81
14 8 82 23	3.7	.16	11.8	31.	11.5	.51	17 8 82 23	1.0	.31	13.2	18.	12.2	.86
14 8 82 24	4.1	.22	11.4	31.	10.9	.57	17 8 82 24	1.1	.43	12.4	17.	11.3	.89
15 8 82 1	4.0	.30	10.9	31.	10.3	.58	18 8 82 1	.9	.43	12.1	12.	10.3	.91
15 8 82 2	3.5	.24	10.4	31.	9.8	.63	18 8 82 2	1.1	.64	11.0	14.	9.9	.94
15 8 82 3	4.0	.26	10.1	31.	9.5	.43	18 8 82 3	1.1	.61	10.6	28.	9.6	.94
15 8 82 4	3.7	.27	9.5	31.	8.9	.66	18 8 82 4	1.6	.40	9.9	31.	9.0	.95
15 8 82 5	3.4	.26	9.5	31.	8.7	.69	18 8 82 5	1.8	.70	9.0	32.	8.2	.94
15 8 82 6	3.4	-.13	10.4	32.	10.6	.64	18 8 82 6	1.5	.02	9.2	33.	9.1	.94
15 8 82 7	3.1	-.55	11.8	32.	13.0	.58	18 8 82 7	1.4	-.27	10.1	31.	10.2	.92
15 8 82 8	2.7	-.75	13.4	32.	15.2	.51	18 8 82 8	.8	-.23	11.4	31.	12.0	.87
15 8 82 9	2.3	-.65	14.7	31.	16.4	.44	18 8 82 9	.8	-.37	14.6	1026.	15.6	.69
15 8 82 10	1.7	-.40	15.8	1030.	17.0	.39	18 8 82 10	2.8	-.41	15.3	14.	14.1	.62
15 8 82 11	1.5	-.77	17.1	1032.	18.6	.33	18 8 82 11	2.7	-.19	13.8	14.	14.2	.73
15 8 82 12	3.2	-.64	16.2	15.	17.3	.38	18 8 82 12	3.7	-.24	14.5	15.	14.9	.71
15 8 82 13	3.2	-.78	16.6	19.	18.0	.37	18 8 82 13	5.1	-.22	14.6	14.	15.0	.73
15 8 82 14	3.1	-1.04	17.1	19.	13.6	.36	18 8 82 14	6.1	-.10	14.5	13.	14.6	.75
15 8 82 15	3.5	-.80	17.0	18.	18.4	.34	18 8 82 15	5.6	-.04	12.7	13.	12.8	.91
15 8 82 16	3.1	-.70	16.9	17.	18.2	.37	18 8 82 16	6.4	-.04	12.5	13.	12.5	.93
15 8 82 17	3.2	-.71	16.4	17.	17.6	.39	18 8 82 17	8.2	.02	12.7	12.	12.8	.93
15 8 82 18	2.8	-.44	15.6	17.	16.5	.43	18 8 82 18	7.0	-.02	15.8	15.	14.0	.94
15 8 82 19	2.3	-.11	14.3	18.	14.5	.53	18 8 82 19	4.9	-.05	14.4	15.	14.7	.94
15 8 82 20	1.3	.42	13.1	17.	12.4	.64	18 8 82 20	4.1	-.04	14.4	14.	14.8	.94
15 8 82 21	1.1	.76	12.5	19.	11.0	.68	18 8 82 21	3.7	.04	14.9	17.	15.2	.92
15 8 82 22	1.1	.53	12.0	12.	9.8	.76	18 8 82 22	4.4	.05	14.6	19.	14.7	.87
15 8 82 23	1.1	.83	11.2	8.	9.0	.82	18 8 82 23	3.8	.97	13.5	19.	13.4	.81
15 8 82 24	1.0	.84	10.6	2.	3.7	.85	18 8 82 24	3.0	.08	13.1	20.	13.1	.82

	FF	D-T	T10M	DD	TSM	RH		FF	D-T	T10M	DD	TSM	RH
19 8 82 1	4.3	.08	13.0	21.	13.0	.80	22 8 82 1	2.9	.46	10.5	32.	9.7	.86
19 8 82 2	3.9	.07	12.9	20.	12.9	.79	22 8 82 2	2.4	.48	9.8	32.	9.9	.89
19 8 82 3	3.2	.09	12.4	22.	12.3	.82	22 8 82 3	3.3	.53	9.3	32.	8.5	.92
19 8 82 4	3.4	.16	11.2	21.	10.9	.85	22 8 82 4	3.4	.46	8.9	32.	8.3	.92
19 8 82 5	3.6	.15	11.0	21.	10.8	.87	22 8 82 5	3.1	.42	8.6	33.	7.9	.90
19 8 82 6	4.1	-.08	11.7	22.	11.7	.80	22 8 82 6	2.9	0.00	9.3	32.	9.4	.84
19 8 82 7	3.8	-.37	12.6	22.	13.2	.71	22 8 82 7	2.7	-.42	11.0	32.	12.0	.70
19 8 82 8	4.1	-.40	13.5	23.	14.1	.65	22 8 82 8	2.7	-.71	12.8	31.	14.6	.58
19 8 82 9	4.3	-.50	14.1	23.	14.8	.59	22 8 82 9	2.4	-.66	14.9	32.	16.6	.48
19 8 82 10	5.6	-.40	14.4	24.	14.9	.53	22 8 82 10	2.0	-.48	14.5	30.	17.4	.41
19 8 82 11	5.5	-.42	15.7	22.	14.4	.46	22 8 82 11	1.9	-.93	17.7	33.	19.8	.33
19 8 82 12	4.7	-.48	16.6	25.	17.5	.41	22 8 82 12	1.7	-.86	19.0	32.	20.3	.28
19 8 82 13	5.4	-.51	17.0	24.	17.9	.36	22 8 82 13	3.0	-.58	17.9	14.	19.0	.38
19 8 82 14	5.0	-.67	17.4	23.	18.4	.32	22 8 82 14	3.9	-.61	18.0	15.	19.0	.44
19 8 82 15	5.4	-.52	17.3	24.	18.2	.31	22 8 82 15	3.4	-.74	18.7	18.	20.0	.39
19 8 82 16	5.1	-.36	17.0	24.	17.8	.31	22 8 82 16	3.2	-.64	18.9	19.	20.1	.39
19 8 82 17	5.0	-.50	14.4	25.	17.4	.35	22 8 82 17	3.1	-.77	13.3	20.	20.0	.38
19 8 82 18	3.8	-.24	15.6	25.	16.1	.38	22 8 82 18	3.2	-.34	17.7	18.	18.5	.51
19 8 82 19	3.7	-.10	14.4	25.	14.6	.43	22 8 82 19	2.7	.06	16.3	18.	14.3	.65
19 8 82 20	3.2	.07	12.9	25.	12.7	.53	22 8 82 20	2.0	.50	14.7	14.	14.2	.87
19 8 82 21	3.3	.15	11.7	23.	11.5	.59	22 8 82 21	1.2	.48	14.5	1035.	13.2	.76
19 8 82 22	3.5	.11	10.8	24.	10.5	.65	22 8 82 22	1.9	.18	15.2	27.	14.7	.53
19 8 82 23	2.9	.23	10.0	23.	9.5	.73	22 8 82 23	1.4	.46	14.2	1023.	13.2	.62
19 8 82 24	2.0	.31	9.2	22.	8.7	.78	22 8 82 24	1.3	.95	12.9	17.	12.3	.80
20 8 82 1	1.0	.40	8.4	1022.	7.4	.85	23 8 82 1	.9	.52	12.9	18.	12.2	.77
20 8 82 2	.9	.25	8.5	27.	7.1	.86	23 8 82 2	1.6	.48	12.3	15.	11.7	.83
20 8 82 3	1.2	.45	8.4	24.	7.3	.87	23 8 82 3	1.0	.51	12.1	17.	11.2	.87
20 8 82 4	1.1	.54	8.1	26.	6.5	.92	23 8 82 4	2.0	.60	11.9	13.	11.2	.89
20 8 82 5	1.4	.41	7.3	30.	6.6	.94	23 8 82 5	1.7	.47	12.3	9.	11.6	.89
20 8 82 6	1.2	.04	7.7	32.	7.6	.91	23 8 82 6	1.7	.38	11.5	5.	11.3	.95
20 8 82 7	.9	-.19	9.6	1.	10.3	.81	23 8 82 7	2.1	.10	11.4	1005.	11.4	.94
20 8 82 8	.8	-.36	10.6	1002.	10.8	.81	23 8 82 8	3.9	.01	10.7	34.	10.7	.94
20 8 82 9	.9	-.35	11.7	1031.	12.0	.74	23 8 82 9	4.0	-.00	10.2	34.	10.1	.93
20 8 82 10	2.2	-.40	12.8	10.	13.6	.61	23 8 82 10	3.6	-.04	10.9	32.	11.0	.93
20 8 82 11	2.2	-.29	12.9	11.	13.6	.59	23 8 82 11	4.0	-.05	11.3	32.	11.4	.90
20 8 82 12	2.8	-.34	13.1	12.	13.6	.62	23 8 82 12	3.5	-.16	11.6	31.	11.8	.88
20 8 82 13	2.9	-.40	14.1	11.	15.2	.55	23 8 82 13	3.3	-.58	13.2	32.	14.4	.79
20 8 82 14	3.1	-.63	14.6	13.	15.6	.54	23 8 82 14	3.3	-.77	14.7	32.	14.4	.70
20 8 82 15	4.5	-.21	11.9	13.	12.1	.72	23 8 82 15	1.7	-.98	16.4	32.	18.1	.61
20 8 82 16	2.6	-.23	11.6	14.	11.8	.76	23 8 82 16	1.1	-.47	15.5	2.	14.8	.67
20 8 82 17	1.0	-.33	12.2	16.	12.5	.72	23 8 82 17	1.4	-.02	14.1	6.	14.5	.84
20 8 82 18	.6	-.25	12.0	20.	12.2	.71	23 8 82 18	1.1	-.04	13.8	8.	14.1	.90
20 8 82 19	1.5	-.10	11.7	25.	11.4	.75	23 8 82 19	1.6	.31	13.3	1018.	13.2	.92
20 8 82 20	.9	.08	10.9	27.	10.1	.85	23 8 82 20	1.4	.58	12.4	33.	12.4	.94
20 8 82 21	.8	.40	10.1	32.	8.7	.92	23 8 82 21	1.6	.59	12.7	32.	11.4	.94
20 8 82 22	1.7	.56	9.7	32.	8.1	.94	23 8 82 22	2.2	.44	11.5	34.	10.8	.94
20 8 82 23	1.3	.45	9.1	32.	8.1	.94	23 8 82 23	2.8	.27	11.0	33.	10.6	.95
20 8 82 24	1.5	.40	8.3	33.	7.5	.94	23 8 82 24	2.0	.53	10.7	35.	10.2	.95
21 8 82 1	2.1	.29	7.6	33.	7.2	.94	24 8 82 1	2.2	.21	10.5	35.	10.1	.94
21 8 82 2	1.5	.01	7.6	33.	7.6	.94	24 8 82 2	1.7	.34	10.1	33.	9.4	.94
21 8 82 3	2.4	-.01	7.6	34.	7.7	.94	24 8 82 3	1.8	.32	9.8	34.	9.3	.94
21 8 82 4	2.0	-.02	7.5	35.	7.6	.94	24 8 82 4	2.0	.27	9.8	32.	9.3	.94
21 8 82 5	1.6	-.03	7.3	35.	7.5	.94	24 8 82 5	1.8	.12	9.9	32.	9.6	.94
21 8 82 6	1.7	-.07	7.2	34.	7.4	.93	24 8 82 6	1.9	.00	9.6	34.	9.5	.94
21 8 82 7	2.2	-.11	7.1	35.	7.4	.93	24 8 82 7	1.2	-.16	10.2	33.	10.3	.94
21 8 82 8	2.0	-.45	9.3	34.	10.1	.88	24 8 82 8	1.5	-.40	11.1	32.	11.5	.92
21 8 82 9	1.7	-.79	12.4	32.	13.4	.72	24 8 82 9	1.2	-.53	13.5	31.	14.2	.80
21 8 82 10	1.5	-.61	14.6	31.	15.7	.57	24 8 82 10	1.7	-.86	15.2	33.	17.0	.63
21 8 82 11	1.5	-.67	14.4	28.	17.8	.43	24 8 82 11	2.0	-.34	14.0	29.	14.8	.71
21 8 82 12	1.2	-.67	13.0	1027.	19.0	.35	24 8 82 12	1.2	-.19	14.8	29.	15.4	.64
21 8 82 13	2.0	-.97	18.4	1021.	20.0	.35	24 8 82 13	1.0	-.44	16.1	23.	16.9	.58
21 8 82 14	3.4	-.68	17.0	20.	18.2	.46	24 8 82 14	2.0	-.49	14.1	19.	17.2	.61
21 8 82 15	3.3	-.74	16.7	20.	18.0	.49	24 8 82 15	2.2	-.30	15.3	15.	15.8	.72
21 8 82 16	2.6	-.44	15.9	19.	16.7	.54	24 8 82 16	2.0	-.37	15.4	16.	16.1	.72
21 8 82 17	2.6	-.48	14.4	17.	17.2	.54	24 8 82 17	2.7	-.24	15.5	21.	16.1	.68
21 8 82 18	2.5	-.32	15.9	20.	16.6	.54	24 8 82 18	1.6	-.04	14.4	19.	14.8	.75
21 8 82 19	2.0	.05	14.4	22.	14.7	.61	24 8 82 19	1.9	.09	14.0	14.	14.0	.86
21 8 82 20	2.7	.16	13.3	27.	13.7	.57	24 8 82 20	2.5	.14	13.9	13.	13.9	.92
21 8 82 21	3.2	.21	15.3	33.	13.1	.59	24 8 82 21	2.3	.23	13.8	13.	13.7	.94
21 8 82 22	2.5	.63	12.3	34.	11.6	.65	24 8 82 22	1.8	.19	13.4	21.	13.5	.87
21 8 82 23	1.6	.41	11.6	30.	10.0	.77	24 8 82 23	2.1	.12	12.9	21.	12.8	.76
21 8 82 24	3.2	.30	10.8	31.	9.6	.84	24 8 82 24	2.5	.16	12.2	22.	12.0	.71

	FF	D-T	T10M	DD	T3M	RH		FF	D-T	T10M	DD	T3M	RH		
25 8 82 1	2.4	.22	11.7	21.	11.5	.73	28 3 82 1	2.4	.35	9.6	22.	9.0	.82		
25 8 82 2	1.6	.28	11.0	19.	10.7	.89	28 8 82 2	2.2	.36	8.9	21.	8.3	.88		
25 8 82 3	1.1	.21	10.9	16.	10.7	.95	28 8 82 3	1.5	.27	8.6	20.	3.0	.89		
25 8 82 4	2.3	.13	11.3	16.	11.1	.94	28 8 82 4	1.1	.21	8.5	22.	7.7	.90		
25 8 82 5	4.5	.11	11.9	17.	11.9	.88	28 8 82 5	2.5	.33	8.6	21.	3.1	.87		
25 3 82 6	4.8	.07	12.1	16.	12.1	.90	28 8 82 6	1.3	-.05	9.4	1014.	9.1	.82		
25 8 82 7	5.1	.04	12.3	16.	12.4	.90	28 8 82 7	1.2	-.34	11.5	18.	12.1	.69		
25 8 82 8	5.5	0.00	12.1	15.	12.2	.94	28 8 82 8	1.5	-.42	12.9	25.	13.8	.63		
25 8 82 9	4.0	-.01	13.0	16.	13.1	.95	28 8 82 9	3.0	-.33	13.9	25.	14.8	.57		
25 8 82 10	1.8	-.19	14.7	18.	15.2	.92	28 8 82 10	3.9	-.35	15.1	29.	14.0	.48		
25 8 82 11	3.1	-.59	16.8	21.	17.7	.75	28 3 82 11	3.9	-.41	16.1	27.	16.9	.40		
25 3 82 12	4.5	-.43	17.2	23.	17.9	.66	28 8 82 12	4.5	-.35	16.1	25.	16.8	.38		
25 8 82 13	4.8	-.26	17.6	27.	18.2	.53	28 8 82 13	4.8	-.42	16.5	26.	17.3	.34		
25 8 82 14	4.8	-.34	17.8	26.	18.5	.49	28 8 82 14	4.8	-.44	16.6	25.	17.4	.32		
25 8 82 15	5.5	-.39	18.3	24.	19.2	.42	28 8 82 15	4.9	-.24	15.3	25.	15.9	.37		
25 8 82 16	6.0	-.37	17.3	25.	18.6	.41	28 8 82 16	4.0	-.40	16.0	24.	16.7	.38		
25 8 82 17	6.1	-.31	16.7	27.	17.3	.42	28 8 82 17	3.8	-.33	16.1	27.	16.8	.33		
25 3 82 18	5.0	-.14	15.7	27.	16.2	.44	28 8 82 18	4.8	-.17	15.6	30.	16.2	.31		
25 8 82 19	3.7	-.03	14.5	25.	14.7	.46	28 8 82 19	4.2	.05	14.4	29.	14.4	.36		
25 8 82 20	3.1	.13	13.2	26.	13.1	.50	28 8 82 20	3.7	.14	12.9	28.	12.7	.42		
25 8 82 21	3.4	.14	12.3	25.	12.1	.53	28 8 82 21	4.7	.12	12.0	29.	11.8	.45		
25 8 82 22	4.1	.16	11.7	24.	11.5	.57	28 8 82 22	3.8	.15	11.1	28.	10.9	.50		
25 8 82 23	3.4	.17	11.0	24.	10.7	.65	28 8 82 23	2.3	.23	10.5	28.	9.9	.56		
25 8 82 24	2.4	.43	10.1	22.	9.5	.76	28 8 82 24	1.2	.28	9.6	28.	8.6	.66		
26 8 82 1	1.4	.49	9.4	18.	8.4	.85	29 8 82 1	1.4	.21	9.0	24.	8.3	.70		
26 8 82 2	2.3	.48	8.9	22.	8.3	.90	29 8 82 2	1.0	.30	8.7	19.	7.7	.73		
26 8 82 3	1.8	.32	8.9	21.	8.4	.91	29 8 82 3	.6	.57	8.0	1019.	6.3	.81		
26 8 82 4	1.4	.50	8.4	22.	7.7	.93	29 8 82 4	1.2	.43	8.4	22.	6.6	.76		
26 8 82 5	.6	.30	8.6	1020.	7.3	.94	29 8 82 5	1.3	.38	7.7	25.	6.8	.74		
26 8 82 6	.8	.08	9.9	12.	9.0	.89	29 8 82 6	2.2	.42	8.0	26.	7.6	.75		
26 8 82 7	1.5	-.10	10.7	20.	10.8	.81	29 8 82 7	1.7	-.15	9.9	27.	10.2	.88		
26 8 82 8	2.8	-.49	12.7	22.	13.3	.70	29 8 82 8	1.5	-.19	11.5	25.	12.1	.61		
26 8 82 9	2.8	-.58	14.1	22.	15.0	.66	29 8 82 9	1.9	-.28	12.9	28.	13.8	.50		
26 8 82 10	4.0	-.39	14.4	21.	15.1	.64	29 8 82 10	1.4	-.53	14.6	25.	15.6	.66		
26 8 82 11	4.6	-.65	14.7	21.	15.6	.65	29 8 82 11	2.8	-.48	15.2	25.	16.1	.65		
26 8 82 12	1.4	-.06	10.2	23.	10.1	.90	29 8 82 12	1.5	-.25	15.3	25.	15.8	.67		
26 8 82 13	2.4	-.05	10.2	16.	10.1	.92	29 8 82 13	3.7	-.32	15.3	22.	16.0	.69		
26 8 82 14	2.8	-.08	11.2	16.	11.2	.89	29 8 82 14	4.9	-.24	14.1	22.	14.6	.67		
26 8 82 15	2.6	-.19	11.9	19.	12.2	.85	29 8 82 15	4.6	-.14	13.7	22.	13.9	.71		
26 8 82 16	1.9	-.03	11.2	18.	11.2	.93	29 8 82 16	4.3	-.13	13.7	21.	14.0	.71		
26 8 82 17	2.3	-.12	11.5	15.	11.7	.90	29 8 82 17	3.9	-.10	13.5	22.	13.7	.72		
26 8 82 18	1.9	-.01	11.5	15.	11.5	.86	29 8 82 18	3.4	-.02	13.1	21.	13.3	.75		
26 8 82 19	1.4	.03	11.6	19.	11.3	.88	29 8 82 19	3.4	.08	12.6	21.	12.5	.79		
26 8 82 20	1.4	.11	11.4	20.	11.1	.91	29 8 82 20	3.3	.12	12.7	19.	12.6	.84		
26 8 82 21	1.7	.23	11.4	22.	11.1	.94	29 8 82 21	3.9	.08	12.9	21.	12.9	.89		
26 8 82 22	1.6	.17	11.5	22.	11.0	.93	29 8 82 22	4.4	.12	12.8	18.	12.7	.94		
26 8 82 23	1.3	.40	11.2	24.	10.4	.94	29 8 82 23	3.3	.11	12.5	18.	12.4	.93		
26 8 82 24	1.6	.43	11.0	18.	10.4	.94	29 8 82 24	3.7	.16	12.9	18.	12.8	.87		
27 8 82 1	.7	.40	10.5	1015.	9.7	.94	30 8 82 1	4.1	.09	13.1	19.	13.1	.84		
27 8 82 2	1.0	.66	10.6	11.	9.6	.95	30 8 82 2	4.6	.10	13.1	19.	13.1	.83		
27 8 82 3	.6	.43	10.4	31.	9.8	.95	30 8 82 3	4.5	.09	12.7	17.	12.6	.87		
27 8 82 4	1.7	.32	10.0	33.	9.5	.94	30 8 82 4	4.9	.06	13.4	19.	13.4	.87		
27 8 82 5	1.6	.25	9.9	33.	9.5	.94	30 8 82 5	4.9	.02	13.5	18.	13.6	.88		
27 8 82 6	1.6	0.00	9.8	32.	9.7	.94	30 8 82 6	5.1	.03	12.7	18.	12.8	.94		
27 8 82 7	1.7	-.04	9.9	34.	9.9	.94	30 8 82 7	4.6	.02	13.0	18.	13.1	.95		
27 8 82 8	1.1	-.11	10.6	32.	10.7	.94	30 8 82 8	4.7	.05	13.4	20.	13.5	.92		
27 8 82 9	.9	.03	11.5	29.	11.6	.93	30 8 82 9	5.3	-.00	13.8	19.	13.9	.89		
27 8 82 10	.7	-.19	12.6	1017.	12.9	.87	30 8 82 10	4.3	-.00	13.3	18.	13.5	.94		
27 8 82 11	1.2	-.43	14.0	18.	14.6	.74	30 8 82 11	4.4	-.01	13.3	18.	13.5	.93		
27 8 82 12	2.5	-.60	14.6	19.	15.4	.70	30 8 82 12	4.1	-.02	13.4	18.	13.6	.92		
27 8 82 13	3.3	-.66	15.0	21.	15.9	.65	30 8 82 13	5.0	-.02	13.4	19.	13.5	.94		
27 8 82 14	3.7	-.22	15.3	21.	13.6	.75	30 8 82 14	4.2	-.05	13.5	19.	13.7	.93		
27 8 82 15	5.0	-.81	14.8	22.	15.9	.61	30 8 82 15	3.2	-.24	14.5	18.	15.0	.87		
27 8 82 16	4.4	-.55	14.8	21.	15.7	.58	30 8 82 16	3.2	-.14	14.2	18.	14.5	.88		
27 8 82 17	3.7	-.35	14.5	23.	14.8	.63	30 8 82 17	2.8	-.11	13.8	18.	14.1	.90		
27 8 82 18	4.0	-.40	13.7	22.	14.4	.62	30 8 82 18	2.8	-.09	14.1	18.	14.4	.91		
27 8 82 19	3.1	-.05	12.5	22.	12.6	.76	30 8 82 19	5.1	-.03	13.8	18.	13.9	.94		
27 8 82 20	2.6	.25	11.6	23.	11.3	.87	30 8 82 20	2.9	.04	13.4	18.	13.7	.94		
27 8 82 21	2.6	.27	11.3	23.	10.9	.88	30 8 82 21	3.0	.02	13.5	19.	13.6	.93		
27 8 82 22	3.1	.24	11.2	24.	10.9	.82	30 8 82 22	1.9	.02	13.4	17.	13.5	.93		
27 8 82 23	2.1	.41	10.2	23.	9.6	.86	30 8 82 23	2.1	.02	13.4	16.	13.5	.94		
27 8 82 24	3.0	.24	10.1	24.	9.6	.81	30 8 82 24	2.6	.01	13.4	16.	13.5	.94		

			FF	D-T	T10M	DD	T3M	RH	
31	8	82	1	2.0	.07	13.3	17.	13.4	.93
31	8	82	2	2.1	.07	13.4	15.	13.4	.94
31	8	82	3	1.9	.03	13.5	15.	13.6	.95
31	3	82	4	3.4	.00	13.3	15.	13.4	.95
31	8	82	5	2.9	.02	12.7	20.	12.7	.94
31	3	82	6	2.0	.21	11.7	27.	11.6	.93
31	8	82	7	1.9	.02	11.9	30.	12.0	.94
31	3	82	8	.8	-.03	12.1	1010.	12.2	.94
31	8	82	9	.9	-.14	12.9	20.	13.2	.93
31	3	82	10	1.4	-.41	15.9	15.	14.1	.87
31	3	82	11	1.6	-.70	15.5	18.	14.3	.80
31	3	82	12	2.3	-.68	16.5	20.	17.3	.71
31	8	82	13	2.1	-.14	15.0	1020.	15.5	.90
31	3	82	14	1.5	.33	13.9	17.	14.0	.89
31	8	82	15	2.9	-.24	14.0	21.	14.4	.80
31	3	82	16	2.3	-.72	16.0	19.	17.1	.70
31	8	82	17	2.5	-.66	16.2	20.	17.3	.73
31	3	82	18	2.2	-.23	15.3	18.	15.8	.80
31	3	82	19	1.9	.05	14.1	18.	14.2	.98
31	8	82	20	1.7	.30	13.5	17.	13.2	.91
31	8	82	21	1.0	.36	13.4	21.	12.9	.91
31	3	82	22	.9	.30	13.5	1025.	12.9	.92
31	8	82	23	.4	.23	13.5	24.	12.7	.90
31	3	82	24	.9	.29	12.9	28.	12.5	.95





