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Meteorologische Beobachtungen von deutschen Feuerschiffen der Nord- und Ostsee

(Bundesrepublik)

1978

DEUTSCHER WETTERDIENST
SEEWETTERAMT HAMBURG

Hamburg

1979

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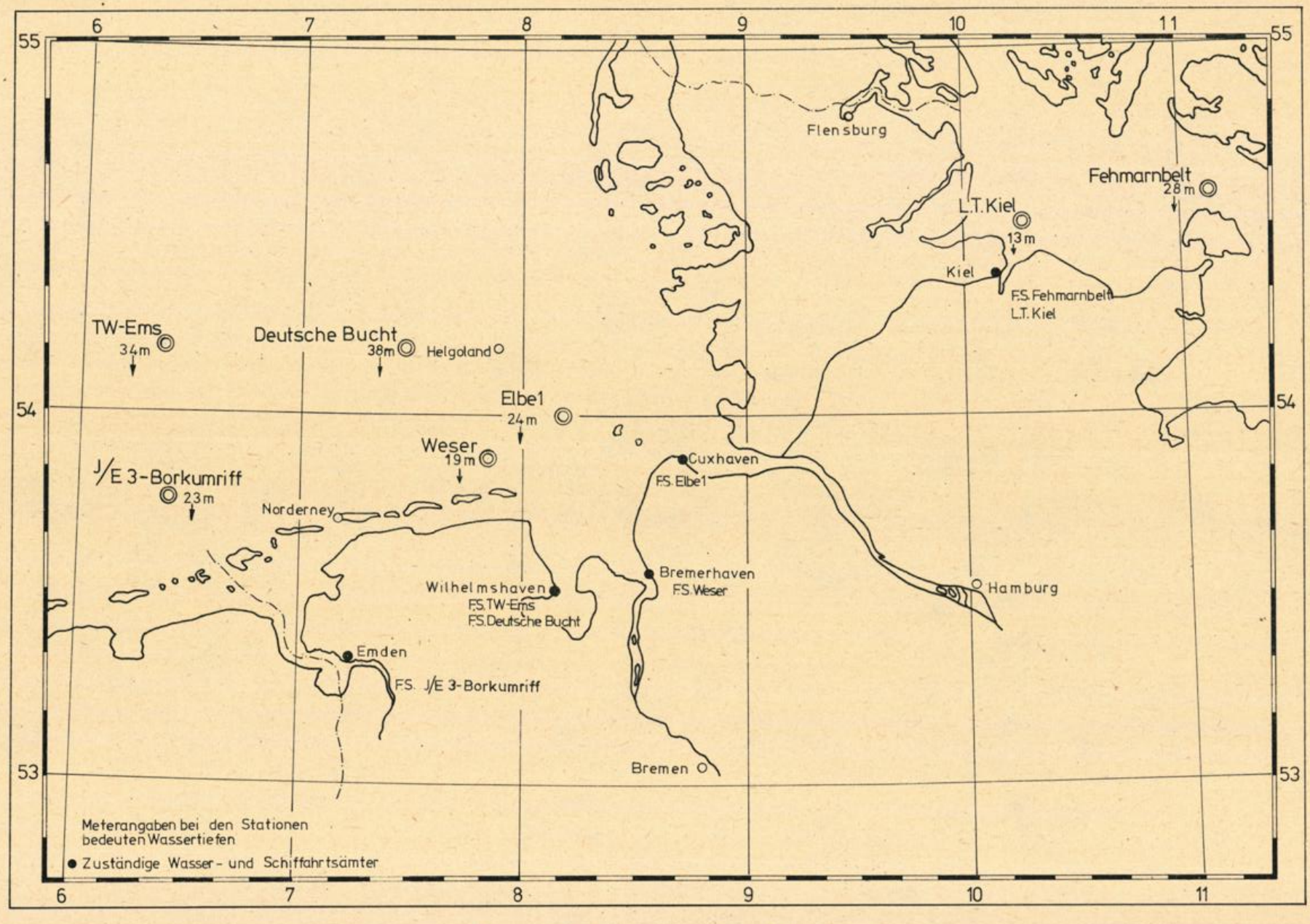
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Positionen der deutschen Feuerschiffe in Nord- und Ostsee

II

S t a t i o n s v e r z e i c h n i s

Im Jahre 1978 sind auf folgenden deutschen Feuerschiffen regelmässige Wetterbeobachtungen ausgeführt worden:

Stationsbezeichnung	Position	Wassertiefe m
In der Nordsee:		
J/E 3 - Borkumriff	53° 48'N 06° 22'E	23
TW - Ems	54° 10'N 06° 21'E bis 12.03.1978	34
Deutsche Bucht	54° 11'N 07° 27'E	37
Weser	53° 52'N 07° 50'E	19
Elbe 1	54° 00'N 08° 07'E	24
In der Ostsee:		
Leuchtturm Kiel	54° 30'N 10° 17'E	13
Fehmarnbelt	54° 36'N 11° 09'E	28

Die Beobachtungen erfolgten auf den Stationen J/E 3 - Borkumriff, TW - Ems, Deutsche Bucht, Weser, Elbe 1 und Fehmarnbelt zu den internationalen synoptischen Terminen 00, 03, 06, 09, 12, 15, 18, 21 Uhr MGZ. Auf der Station Leuchtturm Kiel wurde zu den Terminen 08, 09, 12, 15, 18 Uhr MGZ beobachtet.

- - - - - - - -

Der Beobachtungsdienst auf den Feuerschiffen wird nicht von Angehörigen des Deutschen Wetterdienstes durchgeführt, sondern von den Mitgliedern der Feuerschiffsbesatzungen.

Für die freiwillige, unermüdliche Mitarbeit spricht der

D e u t s c h e W e t t e r d i e n s t

allen Beobachtern seinen verbindlichsten Dank aus, desgleichen den Wasser- und Schiffahrtsämtern für ihre Unterstützung.

Folgende Feuerschiffe befanden sich während des Jahres auf den Stationen

Stationen	Zeit	Name des Feuerschiffes	Zuständiges Wasser- und Schiffahrtsamt
J/E 3 - Borkumriff	01.01. - 30.12.	"Borkumriff"	Emden
TW - Ems	01.01. - 12.03.	"Aussenjade"	Wilhelmshaven
	am 12.03.	eingezogen	
Deutsche Bucht	01.01. - 30.03.	"Amrumbank"	Wilhelmshaven
	30.03. - 29.05.	"Kiel"	
	29.05. - 25.09.	"Amrumbank"	
	25.09. - 10.10.	nicht auf Station	
	10.10. - 07.12.	"Amrumbank"	
	08.12. - 31.12.	- " -	
Weser	01.01. - 05.09.	"Norderney"	Bremerhaven
	05.09. - 11.10.	nicht auf Station	
	11.10. - 31.12.	"Norderney"	
Elbe 1	01.01. - 31.05.	"Bürgermeister Oswald"	Cuxhaven
	01.06. - 29.08.	"Kiel"	
	29.08. - 31.12.	"Bürgermeister Oswald"	
Fehmarnbelt	01.01. - 05.09.	"Fehmarnbelt"	Kiel
	05.09. - 05.10.	"Kiel"	
	05.10. - 31.12.	"Fehmarnbelt"	
Leuchtturm Kiel	01.01. - 31.12.		Kiel

V o r b e m e r k u n g e n

Erläuterungen zu den Tabellen der Beobachtungswerte

Im ersten Abschnitt dieses Jahrbuches (Seiten 1 - 108) werden die Beobachtungen der Feuerschiffs-Stationen

J/E 3 - Borkumriff, Elbe 1, Fehmarnbelt

zu den synoptischen Terminen 00, 06, 12, 18 Uhr MGZ (01, 07, 13, 19 Uhr MEZ) mitgeteilt.

Die Tabellen enthalten der Reihe nach

T	Lufttemperatur in ° C	
U	Relative Feuchtigkeit in %	
T_w	Wassertemperatur in ° C	
V	Sichtweite (Schlüsselzahlen)	
P	Luftdruck in 1/10 mbar	
D	Windrichtung nach der 36-teiligen Skala in Zehnergraden	
v	Windgeschwindigkeit in Knoten (sm/std)	
F	Windstärke in Beaufort-Graden Die Windstärken 6 und 7 sind mit 1 Stern versehen, die Windstärken 8 bis 12 mit 2 Sternen	
P_w	Wellenperiode der Windsee in Sekunden	
H_w	Wellenhöhe in 0,5 Metern (Schlüsselzahlen)	
N	Gesamtbedeckung in Achtel	nach der Skala im Internationalen Wetterschlüssel
N_h	Bedeckungsgrad der unteren Wolken in Achtel	
C_L	Art der tiefen Wolken	
C_M	Art der mittelhohen Wolken	
C_H	Art der hohen Wolken	
ww	Gegenwärtiges Wetter	
W	Vergangenes Wetter seit dem letzten Beobachtungstermin	
R	Niederschlagsmenge um 06 Uhr und 18 Uhr: Summe von 18 Uhr des Vortages bis 06 Uhr des Beobachtungstages bzw. von 06 Uhr bis 18 Uhr desselben Tages	

Grössere Lücken treten regelmässig nur bei Wellenbeobachtungen auf, weil diese öfter, besonders nachts, nicht ausgeführt werden konnten. Grössere Unterbrechungen der Beobachtungstätigkeit kommen nur vor, wenn die Station nicht besetzt war.

Erläuterungen zu den Tabellen der Monatsmittel

Im zweiten Abschnitt (Seiten 109 - 122) sind die M i t t e l -, E x t r e m - und H ä u f i g k e i t s w e r t e für 6 Feuerschiffe und 1 Leuchtturm-Station veröffentlicht. Die Werte wurden aus allen vorhandenen Beobachtungen errechnet. Mittelwerte usw. werden nicht veröffentlicht, wenn folgende Ausfälle im betreffenden Monat aufgetreten sind:

mehr als 44 Terminbeobachtungen bei 8 Beobachtungen täglich,
mehr als 22 Terminbeobachtungen bei 4 Beobachtungen täglich,
mehr als 17 Terminbeobachtungen bei 3 Beobachtungen täglich.

Entsprechend wurde bei der Auszählung der Tage mit Niederschlag usw. verfahren.

Die Beobachtungen der Station Leuchtturm Kiel enthalten keine Nachtwerte (siehe Beobachtungstermine auf Seite III). Daher bedingt der Tagesgang, dass die Tagesmittel und dementsprechend auch die Monatsmittelwerte nicht exakt vergleichbar sind mit den Mittelwerten der Feuerschiffe.

Die Streuung S gibt die mittlere Abweichung aller Einzelwerte des betreffenden Elements vom Mittelwert M an. Der Wertebereich zwischen M+S und M-S umfasst etwa 2/3 aller Einzelwerte.

Die aufgeführten Extremwerte sind Terminwerte.

Die Anzahl der Tage mit den einzelnen Wetterelementen in der Tabelle sind aus den Beobachtungsbüchern unter Beachtung der textlichen Eintragung fortlaufender Wetterbeobachtung ausgezählt worden. Als Tag zählt jeweils der Zeitraum von 0-24 Uhr MGZ, auch bei Niederschlag, bei Terminbeobachtungen 0-21 Uhr MGZ.

Die prozentischen Häufigkeitszahlen der Windrichtungen werden (abweichend von den Tabellen der Beobachtungswerte nach der 32-teiligen Skala der Windrose gegeben, um die Vergleichbarkeit mit den älteren Jahrbüchern aufrecht zu erhalten. Aus dem gleichen Grunde sind auch die Mittelwerte der Bewölkung weiterhin in Zehntel des Himmelsgewölbes umgerechnet worden.

Die Häufigkeiten von W e l l e n h ö h e n - Schlüsselzahlen (Halbmeterstufen) entstammen der Beobachtung kennzeichnender Wellenhöhen.

Bei FS Kiel wird nachts, insbesondere zum O-Uhr-Termin, keine Beobachtung mehr angestellt. Dementsprechend fehlt der Nachtwert auch bei der Berechnung der Mittelwerte. Insoweit ein Tagesgang vorliegt, sind die Mittelwerte verfälscht. Auch bei der Berechnung der mittleren Anzahl der Tage mit gewissen Wetterereignissen (Wind, Sturm, Nebel, Gewitter, Niederschlag usw.) bedingt die nächtliche Beobachtungspause, dass eventuell nicht alle Wetterereignisse erfasst sind. Da keine Niederschlagsmenge gemessen wird, sind in der Anzahl der Tage mit Niederschlag alle beobachteten Fälle enthalten, unabhängig von der Menge.

Zur Beobachtungsmethodik

Die Wetterbeobachtung an Bord der Feuerschiffe dient sowohl
dem synoptischen Wetterdienst als auch
dem Seeverkehr und anderen wirtschaftlichen Belangen
und bildet die Grundlage für weitere klimatologische Untersuchungen.

Die Augenbeobachtungen werden nach dem am 1. Januar 1960 eingeführten Wetterschlüssel für Beobachtungen an Bord von Feuerschiffen verschlüsselt. Es sind dies:

Sichtweite, gegenwärtiges und vergangenes Wetter, Windrichtung und -stärke, Bedeckung des Himmels mit Wolken, Wolkenformen, Richtung und kennzeichnende Höhe der Wellen.

Instrumentell werden gemessen bzw. abgelesen:

Die Lufttemperatur mit dem Schleuderpsychrometer auf der Luvseite des Schiffes (in etwa 4 m Meereshöhe),
die Wassertemperatur mit dem Wasserschöpfthermometer (Marinepütz),
die Windgeschwindigkeit nach der Registrierung des Schalenkreuz-Kontakt-Windmessers (in etwa 18 m Meereshöhe),
der Luftdruck am Aneroidbarometer,
die Niederschlagsmenge mit dem konischen Regenmesser (in etwa 10 m Meereshöhe),
die Wellenperiode mit der Stoppuhr.

Die Relative Feuchte und der Taupunkt werden aus den Ablesungen am trockenen und am feuchten Thermometer mittels der WMO-Referenzgleichung für Sättigungsdampfdrucke nach Goff-Gratch elektronisch berechnet.

T E R M I N B E O B A C H T U N G E N

der Feuerschiffe

J / E 3 - Borkumriff	Seite:	1 - 36
Elbe 1	Seite:	37 - 72
Fehmarnbelt	Seite:	73 - 108

zu den Hauptterminen 00, 06, 12, 18 Uhr

1978 JANUAR FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	5.7	85	6.6	98	1015.0	28	18	5			8					2	2	.
	6	6.5	93	6.6	97	1014.5	21	18	5			8					2	2	.
	12	7.3	89	6.5	97	1014.8	23	22	6*		1	8	8	5			2	2	.
	18	6.7	92	6.6	98	1014.7	25	25	6*			3					2	2	.
2	0	7.6	88	6.6	98	1014.5	24	25	6*			0	0	0	0	0	2	0	.
	6	6.4	96	6.7	98	1012.8	22	20	5			6					2	2	.
	12	6.9	89	6.7	97	1011.2	24	22	6*	4	3	8	8	3			80	8	.0
	18	6.5	92	6.8	98	1011.3	28	26	6*			3					2	6	4.5
3	0	6.3	93	6.8	97	1011.7	26	28	7*			6					3	1	.0
	6	5.6	90	6.8	96	1004.3	24	42	9**			8					62	6	.7
	12	5.6	89	6.8	96	991.9	25	38	8**	5	7	8	2	7			62	6	17.0
	18	5.2	84	7.0	97	999.9	33	42	9**			4					81	8	20.2
4	0	3.6	83	6.8	98	1008.6	29	44	9**			3					81	8	.1
	6	3.0	91	6.9	98	1013.0	30	40	8**			4					2	8	.4
	12	4.1	84	6.8	98	1016.5	31	26	6*	6	5	3	3	3	0	0	2	8	1.0
	18	3.5	79	6.8	98	1021.9	35	25	6*			2					2	8	5.0
5	0	.7	83	6.7	98	1032.0	3	20	5			2					2	2	.0
	6	.4	79	6.5	98	1034.9	23	8	3			0	0	0	0	0	2	0	.
	12	.8	90	6.5	98	1032.5	21	29	7*	4	3	8	8	0	2		2	2	.
	18	3.4	94	6.4	97	1027.0	21	40	8**			8					83	8	.4
6	0	5.6	96	6.4	96	1026.0	24	28	7*			8					63	6	2.0
	6	6.8	92	6.4	97	1025.2	25	26	6*			8					2	6	2.4
	12	7.2	89	6.6	98	1028.2	27	22	6*	4	3	8	8	5			2	2	.
	18	6.4	89	6.6	98	1029.2	25	19	5			2					2	2	.
7	0	6.4	82	6.6	98	1030.0	24	20	5			8					2	2	.
	6	5.6	96	6.6	96	1028.5	22	21	5			8					10	2	.
	12	4.7	93	6.6	97	1028.0	21	26	6*	3	2	8	0	0	0	1	2	2	.
	18	4.1	90	6.5	97	1026.8	18	22	6*			5					2	2	.
8	0	3.7	95	6.6	97	1026.3	22	14	4			5					2	2	.
	6	3.6	92	6.5	96	1026.3	22	8	3			2					10	2	.
	12	4.3	93	6.6	96	1026.1	18	8	3		1	8	8	5			10	2	.
	18	3.4	91	6.5	96	1024.9	18	5	2			5					10	2	.
9	0	2.9	95	6.5	93	1023.0	20	13	4			8	8	6			45	2	.
	6	4.5	90	6.5	95	1020.0	20	18	5			8					10	2	.
	12	4.2	91	6.5	95	1016.0	19	23	6*	3	3	8	8	0	1		10	2	.
	18	4.9	96	6.5	96	1010.9	20	28	7*			8					60	6	1.5
10	0	6.2	81	6.6	98	1010.0	27	26	6*			2					2	6	3.0
	6	5.1	77	6.5	98	1008.1	21	22	6*			8					2	0	2.5
	12	5.3	87	6.5	98	1007.1	26	35	8**	6	5	6	6	3	0	0	2	8	6.0
	18	4.8	88	6.5	98	1005.8	22	30	7*			6					27	7	8.0

1978 JANUAR FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	4.7	94	6.4	96	997.8	20	34	8**			8					63	6	2.0
	6	4.8	94	6.3	96	988.8	20	34	8**			8					62	6	7.5
	12	5.0	90	6.3	97	986.2	15	21	5	3	2	8	8	0	2		60	6	.
	18	4.1	95	6.4	96	986.8	13	15	4			8					60	6	7.5
12	0	3.5	91	6.0	97	992.0	2	27	6*			8					60	6	3.0
	6	3.7	95	6.1	97	1000.3	36	39	8**			8					60	6	10.0
	12	3.6	91	6.1	98	1010.2	35	34	8**	5	9	8	5	2	2		2	6	1.0
	18	3.5	89	6.0	98	1021.3	2	29	7*			7					2	2	1.2
13	0	2.9	75	6.0	98	1027.0	2	26	6*			4					2	1	.
	6	3.0	94	5.8	98	1028.7	1	13	4			2					2	0	.
	12	4.1	68	5.6	98	1028.7	26	12	4	2	2	6	4	0	3	1	2	2	.
	18	5.4	86	6.2	97	1026.6	28	20	5			8					61	2	.0
14	0	7.0	96	6.1	96	1026.2	32	19	5			8					50	6	1.0
	6	7.2	93	6.1	96	1027.1	33	17	5			8					50	5	.9
	12	6.6	95	6.0	97	1028.8	32	11	4	3	3	8	5	7	2		2	5	.0
	18	6.6	95	6.1	97	1028.1	1	18	5			8					2	5	.1
15	0	5.4	91	5.8	96	1027.2	6	13	4			8					51	5	.0
	6	4.0	95	5.9	96	1024.5	7	13	4			8					51	5	.4
	12	2.3	89	5.9	97	1021.1	11	18	5	2	2	7	7	8			2	2	.0
	18	3.5	88	6.1	97	1014.5	10	21	5			3					2	1	.0
16	0	.9	91	5.6	96	1010.1	14	18	5			6					10	2	.
	6	2.3	85	5.8	96	1007.2	21	17	5			8					10	2	.
	12	2.9	86	5.7	96	1006.3	17	14	4	4	3	8	8	0	2		10	2	.
	18	3.1	88	5.9	96	1004.7	17	15	4			8					10	2	.
17	0	3.2	89	5.8	96	1004.1	15	17	5			8					10	2	.
	6	3.5	88	5.9	96	1002.1	15	18	5			8					10	5	.0
	12	4.2	90	5.8	96	1003.9	16	18	5	3	2	8	8	0	2		10	5	1.0
	18	5.1	90	5.7	96	1004.8	18	11	4			8					10	2	.8
18	0	4.6	91	5.7	96	1005.2	13	7	3			7					10	2	.
	6	5.3	87	5.8	96	1004.5	99	3	1			8					10	2	.
	12	4.4	93	5.6	96	1004.5	99	2	1		0	8	6	7	2		60	5	.1
	18	5.3	83	5.6	98	1004.0	30	20	5			6					2	6	2.5
19	0	4.3	81	5.6	98	1004.9	27	15	4			6					2	2	.
	6	3.1	83	5.6	98	1003.0	18	15	4			2					2	2	.
	12	1.8	88	5.5	96	1000.9	14	25	6*	4	4	8	2	7	1		10	1	.
	18	2.9	86	5.5	96	996.9	12	22	6*			8					10	2	.
20	0	1.8	88	5.6	96	995.9	12	26	6*			8					10	2	.
	6	4.4	88	5.5	96	997.6	16	26	6*			8					10	7	.3
	12	3.4	83	5.5	96	1004.3	18	20	5	3	3	8	8	0	2		10	2	.
	18	4.5	91	5.5	96	1008.3	18	15	4			8					10	2	.

1978 JANUAR FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	4.6	84	5.5	96	1011.4	19	17	5			8					10	2	.
	6	3.9	83	5.4	96	1012.1	17	17	5			7					10	2	.
	12	2.6	89	5.5	96	1012.9	18	20	5	4	3	8	6	7	2		68	2	3.0
	18	3.6	94	5.4	96	1012.0	18	19	5			8					10	5	4.0
22	0	3.4	91	5.4	96	1010.4	18	20	5			8					10	5	.0
	6	2.7	92	5.4	96	1007.9	17	20	5			5					10	2	.0
	12	2.9	86	5.4	97	1007.9	15	20	5	4	3	4	0	0	0	2	2	1	.
	18	2.0	85	5.4	96	1007.9	15	22	6*			6					10	2	.
23	0	2.1	84	5.4	97	1008.2	18	17	5			8					2	2	.
	6	2.6	92	5.3	96	1008.7	20	15	4			7					10	7	.0
	12	4.2	84	5.4	98	1008.9	20	18	5	3	2	4	0	0	0	1	2	0	.
	18	3.5	86	5.4	97	1003.0	15	26	6*			8					2	2	.
24	0	2.1	90	5.3	92	992.8	15	33	7*			8					86	8	2.0
	6	2.1	92	5.3	96	984.2	14	24	6*			8					61	8	3.4
	12	5.8	94	5.3	96	981.9	24	18	5	4	3	8	8	6			28	4	.
	18	5.1	94	5.3	97	983.1	22	24	6*			8					2	6	2.5
25	0	5.5	96	5.3	97	986.1	26	26	6*			8					61	6	1.0
	6	4.9	88	5.3	96	990.9	27	34	8**			8					62	6	2.5
	12	3.6	94	5.3	97	995.7	35	12	4		1	8	8	0	2		61	6	3.0
	18	3.2	92	5.2	97	1001.3	31	13	4			5					2	6	3.9
26	0	4.5	90	5.2	97	1002.0	27	24	6*			5					2	8	.0
	6	3.8	95	5.1	97	1001.4	26	27	6*			6					27	8	.9
	12	4.8	83	5.2	98	1003.2	26	22	6*		2	6	6	3	0	0	2	8	4.0
	18	3.9	89	5.0	98	1004.9	22	12	4			6					2	8	4.2
27	0	3.7	94	5.1	97	1003.0	25	24	6*			7					2	6	3.0
	6	3.2	91	5.1	97	1002.2	23	16	5			7					25	8	5.4
	12	5.0	83	5.1	98	1003.8	25	26	6*	5	4	5	5	2	0	0	2	6	3.0
	18	4.3	90	5.0	97	1003.0	19	22	6*			8					21	6	3.2
28	0	4.4	87	5.0	97	997.8	17	26	6*			8					2	6	1.0
	6	4.4	81	5.0	98	988.1	15	30	7*			6					21	6	1.2
	12	5.1	80	5.0	98	984.5	14	28	7*	3	3	8	8	0	2		21	2	.0
	18	4.2	93	5.0	98	981.8	14	28	7*			4					2	6	.1
29	0	4.9	84	4.9	97	981.2	15	24	6*			1					2	2	.
	6	4.8	80	4.9	97	982.4	14	22	6*			8					60	2	.
	12	4.9	84	5.0	96	984.7	14	15	4	2	1	8	8	5			63	2	.
	18	4.9	96	4.9	97	987.1	12	12	4			8					2	8	.
30	0	4.4	93	4.9	97	990.1	6	6	2			8					2	2	.
	6	4.5	94	4.9	97	993.2	1	14	4			8					2	2	.
	12	3.2	92	4.9	97	996.8	33	22	6*	4	3	8	5	7	2		61	6	2.0
	18	3.9	91	4.9	98	1000.2	32	23	6*			8					25	8	4.2
31	0	3.5	77	4.9	98	1005.1	32	18	5			2					26	1	.0
	6	2.7	89	4.9	98	1008.2	29	19	5			7					2	2	.0
	12	2.7	86	4.8	97	1009.0	22	8	3		2	6	6	3	0	0	26	8	.0
	18	3.4	70	4.8	98	1008.9	18	16	5			4					2	8	.3

1978 FEBRUAR FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	1.3	85	4.7	98	1007.5	17	19	5			0	0	0	0	0	2	0	.
	6	1.0	85	4.7	98	1006.5	14	19	5			3					2	0	.
	12	1.4	87	4.6	98	1004.3	13	20	5	3	3	8	8	0	2		3	1	.
	18	1.9	87	4.6	97	998.8	12	28	7*			8					2	2	.
2	0	.8	90	4.5	97	993.5	10	32	7*			5					2	2	.
	6	1.4	83	4.5	97	996.7	8	31	7*			8					2	2	.
	12	2.1	82	4.5	97	1002.0	7	30	7*	4	4	8	8	5			2	2	.
	18	2.0	92	4.5	97	1009.0	5	24	6*			8					2	2	.
3	0	3.1	88	4.5	97	1014.8	4	20	5			8					2	2	.
	6	2.0	90	4.6	98	1018.3	3	17	5			8					2	8	.0
	12	2.6	84	4.4	98	1021.9	2	11	4	3	2	8	4	3	2		87	8	1.0
	18	2.7	81	4.4	98	1023.9	2	15	4			8					2	2	.7
4	0	2.1	92	4.3	98	1025.8	5	11	4			8					2	7	1.0
	6	2.7	79	4.3	98	1026.0	9	7	3			8					2	7	.6
	12	2.2	89	4.2	98	1026.5	14	11	4		1	8	8	0	2		2	2	1.0
	18	1.8	93	4.3	97	1024.3	15	16	5			8					2	5	.6
5	0	1.0	93	4.4	97	1021.3	14	26	6*			8					2	2	.
	6	.9	91	4.3	97	1017.8	14	26	6*			8					2	2	.
	12	1.0	91	4.4	97	1015.4	14	26	6*		3	8	8	6			70	7	.4
	18	.9	91	4.3	96	1014.0	12	20	5			8					71	7	.5
6	0	1.1	91	4.3	96	1013.7	12	17	5			8					10	7	.0
	6	.6	91	4.3	96	1013.7	10	17	5			8					70	7	.2
	12	.7	78	4.4	96	1015.3	9	16	5	2	2	8	8	0	2		10	2	.
	18	.5	91	4.3	96	1017.2	9	13	4			8					10	7	.0
7	0	.9	86	4.3	96	1019.2	9	17	5			8					10	2	.
	6	.3	95	4.3	96	1019.8	8	20	5			8					10	2	.
	12	.0	82	4.3	96	1021.9	9	19	5	3	2	8	8	0	2		10	2	.
	18	.1	77	4.3	97	1022.8	8	24	6*			8					2	2	.
8	0	-.4	96	4.1	96	1023.1	9	22	6*			8					10	2	.
	6	.4	84	4.1	97	1023.8	6	20	5			8					2	7	.0
	12	.6	84	4.1	98	1023.5	6	19	5	4	3	6	4	2	6		2	7	.0
	18	-.2	89	4.0	97	1022.8	5	24	6*			8					2	7	.0
9	0	-1.4	82	3.8	97	1022.6	6	20	5			8					71	7	.0
	6	-2.7	93	3.7	96	1022.0	5	22	6*			8					73	7	.
	12	-1.2	84	3.7	98	1021.8	6	20	5	4	3	7	5	3	6		2	7	.
	18	-2.4	87	3.6	97	1020.6	6	20	5			7					85	8	.
10	0	-2.7	93	3.6	97	1020.0	7	18	5			6					85	8	.
	6	-2.9	76	3.5	98	1015.8	6	20	5			8					22	7	.
	12	-2.2	81	3.5	96	1012.5	4	17	5	4	3	6	6	2	0	0	86	2	.
	18	-2.4	72	3.4	97	1008.9	11	18	5			7					85	8	.0

1978 FEBRUAR FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	-2.8	76	3.4	96	1006.9	10		5			8					72	8	.0
	6	-3.0	74	3.4	96	1003.2	9					8					72	7	.
	12	-1.3	78	3.4	96	1001.0									2		10	7	.
	18	-.3	85	3.4	96	998.9											10	7	.0
12	0	.0	91	3.4	96	997.											72	7	.0
	6	.7	84	3.4	97	995.													.0
	12	.7	91	3.4	96	996.													
	18	1.2	85	3.4	97	997.													
13	0	.6	93	3.4	96	997.													
	6	.4	95	3.4	96	997.													
	12	-.4	93	3.5	96	998.													
	18	1.0	90	3.4	96	99?													
14	0	.3	95	3.3	96	100											10	2	.
	6	-.7	89	3.4	97	100						8					2	2	.
	12	-.1	95	3.3	96	100?.1	12	5	2		1	8	8	5			10	2	.
	18	.6	88	3.4	96	1009.4	0	0	0			8					68	2	.0
15	0	1.0	97	3.3	96	1011.9	3	8	3			8					10	2	.0
	6	1.1	78	3.4	96	1013.2	99	5	2			8					71	7	.4
	12	1.0	80	3.3	96	1014.2	23	7	3			7	3	7	1		10	7	.2
	18	.4	84	3.4	96	1012.7	20	7	3			6					10	7	.2
16	0	-.4	89	3.4	96	1009.9	19	14	4			8					10	2	.2
	6	-1.0	78	3.3	96	1006.9	15	10	3			8					10	2	.2
	12	-1.5	83	3.2	93	1007.9	9	11	4	2	1	8	8	6			47	2	.
	18	-1.6	84	3.3	96	1008.9	6	8	3			8					10	4	.
17	0	-2.0	92	3.1	96	1011.3	15	9	3			7					10	2	.
	6	-3.0	98	3.1	96	1012.0	24	4	2			8					10	2	.
	12	-2.6	89	3.0	96	1012.2	99	5	2		0	8	6	5	2		10	2	.
	18	-1.8	90	3.1	96	1013.1	27	14	4			8					10	2	.
18	0	1.6	74	3.1	98	1016.9	36	8	3			3					2	7	.0
	6	.6	88	3.1	98	1017.8	28	14	4			3					1	7	.4
	12	1.2	86	3.1	98	1018.8	33	19	5	3	3	5	3	2	3	0	2	2	3.0
	18	1.1	68	3.0	98	1017.8	36	14	4			3					1	8	3.6
19	0	-1.0	84	3.0	98	1018.2	99	6	2			5					2	2	.
	6	-1.7	90	3.0	98	1016.8	13	16	5			4					2	7	.0
	12	-2.0	87	3.0	98	1018.4	9	17	5	4	3	3	2	1	0	4	2	0	.
	18	-2.8	80	2.9	98	1019.8	9	22	6*			3					2	0	.
20	0	-3.3	81	2.9	98	1022.4	10	22	6*			2					2	0	.
	6	-3.2	82	2.8	98	1023.8	11	12	4			2					2	0	.
	12	-2.0	55	2.8	98	1026.0	15	5	2	2	1	0	0	0	0	0	2	0	.
	18	-2.1	57	2.6	98	1025.2	13	8	3	2	1	1	0	0	0	2	2	0	.

1978 FEBRUAR FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	-2.3	74	2.5	97	1023.9	12	14	4			1					2	0	.
	6	-2.7	80	2.5	97	1019.9	13	14	4			5					2	1	.
	12	-2.3	83	2.5	96	1017.0	13	17	5	4	2	5	0	0	0	1	10	2	.
	18	-.5	80	2.5	96	1012.3	14	17	5	3	2	8	8	0	1		10	2	.
22	0	.6	91	2.5	96	1009.9	19	12	4			8					10	6	.0
	6	3.2	97	2.4	93	1007.9	23	15	4			8	8	6			45	7	1.5
	12	3.0	94	3.0	92	1009.1	22	16	5	2	1	8					60	4	.1
	18	3.1	97	2.5	92	1009.7	24	15	4	2	1	8	8	6			45	5	.2
23	0	3.2	98	2.5	92	1010.1	13	6	2			8	8	6			45	5	.
	6	2.5	98	2.5	92	1006.9	10	21	5			8	8	6			45	5	.0
	12	3.5	94	2.8	95	1002.4	10	24	6*	3	3						10	6	.0
	18	3.4	94	2.7	95	997.3	12	21	5	3	2	8	8	0	2		21	6	2.1
24	0	4.2	94	2.8	97	996.2	16	20	5			7					2	6	.0
	6	5.3	83	2.8	97	998.1	18	21	5			6					2	6	.0
	12	5.2	93	2.9	97	1000.0	18	18	5	3	2	6	4	5	0	2	2	2	.
	18	5.2	94	3.0	96	1000.2	18	13	4		1	8	8	5			10	2	.
25	0	4.6	97	3.4	93	998.8	16	21	5			5	5	6	0	0	42	4	.
	6	4.2	97	3.0	92	997.7	14	14	4			8	8	6			45	4	.
	12	5.0	97	3.0	94	993.8	14	17	5	2	1	5	5	5	0	0	28	6	2.0
	18	6.2	92	3.0	95	990.5	13	18	5	2	1	8	8	8			10	6	1.5
26	0	5.6	90	3.0	97	988.0	14	20	5			3					2	2	.
	6	5.1	97	3.0	97	988.4	17	16	5			8					2	6	1.5
	12	6.2	86	3.0	98	989.8	16	16	5		1	3	0	0	0	2	2	1	.
	18	4.8	91	3.3	98	991.7	15	11	4		1	8	8	8			2	2	.
27	0	5.3	89	3.2	98	991.8	16	18	5			8					2	2	.
	6	5.2	90	3.2	98	991.2	16	20	5			4					2	2	.
	12	6.3	88	3.2	98	993.8	17	18	5	2	2	8	8	5			2	6	.5
	18	5.3	93	3.2	97	995.2	14	12	4		1	8	8	5			2	6	.5
28	0	5.3	96	3.2	96	995.8	17	16	5			8					61	6	4.0
	6	4.5	97	3.2	96	999.9	21	15	4			8					10	2	5.0
	12	4.9	94	3.2	95	1004.0	19	12	4		1	8	8	5			10	4	.
	18	5.2	93	3.0	96	1004.9	14	14	4	0	0	7	7	5			10	2	.

1978 MAERZ FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	4.6	93	3.3	96	1006.0	12	14	4			8					10	2	.
	6	4.6	87	3.3	96	1005.5	12	15	4			1					10	2	.
	12	4.5	94	3.5	96	1005.5	11	15	4	2	1	4	0	0	0	1	10	2	.
	18	4.5	97	3.4	95	1004.2	9	20	5	2	2	6					10	4	.
2	0	5.9	89	3.4	96	1004.2	16	18	5			8					10	2	.
	6	4.9	97	3.3	96	1004.0	16	14	4			8					60	6	2.5
	12	6.3	88	3.5	96	1005.8	17	10	3		1	4	0	0	0	1	10	6	.0
	18	5.2	93	3.5	96	1004.8	11	11	4		1	8					10	2	.0
3	0	4.9	94	3.5	96	1002.0	9	17	5			8					10	2	.
	6	4.5	96	3.5	96	1000.2	6	18	5			8					10	6	.0
	12	4.5	96	3.5	95	1002.8	3	8	3		1	8	8	6			10	5	.0
	18	4.4	96	3.4	93	1006.8	35	8	3			8	8	6			45	4	.0
4	0	3.8	98	3.5	92	1009.2	34	7	3			8	8	6			47	4	.
	6	3.9	97	3.5	91	1010.8	36	7	3			8	8	6			45	4	.
	12	4.3	94	3.5	92	1012.8	35	8	3		1	8	8	6			47	4	.
	18	3.6	95	3.5	96	1012.8	31	11	4		1	8	8	5			10	4	.
5	0	3.7	97	3.5	96	1013.5	31	12	4			8					51	5	.0
	6	4.0	92	3.5	97	1015.2	34	20	5			8					21	6	.0
	12	4.6	83	3.5	98	1019.4	33	15	4	4	3	0	0	0	0	0	2	6	.0
	18	4.2	88	3.6	98	1021.8	31	18	5	4	3	3	0	0	0	2	3	0	.0
6	0	3.4	92	3.5	98	1024.1	30	12	4			0	0	0	0	0	2	0	.
	6	4.6	73	3.6	98	1024.5	31	14	4			7					2	8	.0
	12	4.3	81	3.7	98	1026.7	30	10	3		1	2	0	0	0	2	2	1	.
	18	3.8	94	3.7	98	1025.1	25	10	3	0	0	3	0	0	0	2	2	0	.
7	0	3.6	92	3.6	98	1024.1	24	12	4			0	0	0	0	0	2	0	.
	6	3.4	92	3.5	98	1020.6	22	21	5			8					3	1	.
	12	5.2	87	3.5	97	1020.0	25	15	4	3	2	8	8	5			2	2	.
	18	4.4	96	3.5	95	1019.1	28	13	4	3	2	8	8	6			10	2	.
8	0	3.9	94	3.5	95	1018.0	21	13	4			8					10	2	.
	6	3.8	95	3.4	95	1013.8	18	17	5			8					10	2	.
	12	4.6	94	3.6	96	1009.9	19	20	5	4	3	8	6	7	2		60	2	.6
	18	5.0	97	3.6	95	1006.3	27	18	5	4	3	8	6	7	2		60	6	1.3
9	0	4.4	90	3.6	97	1014.8	32	26	6*			2					1	6	.0
	6	4.9	88	3.5	97	1020.5	31	20	5	5	4	0	0	0	0	0	1	0	.0
	12	5.0	88	3.6	98	1025.4	28	18	5	4	2	2	0	0	0	4	2	0	.
	18	5.4	89	3.7	98	1026.1	23	17	5		1	6	4	0	7	4	2	2	.
10	0	5.5	85	3.6	97	1024.2	22	18	5			8					3	1	.
	6	4.6	96	3.6	96	1024.9	25	13	4			8					10	2	.
	12	5.0	94	3.6	95	1026.1	26	18	5	4	2	8	8	6			10	2	.
	18	4.8	97	3.7	92	1026.1	24	13	4	3	2	8	8	6			47	2	.

1978 MAERZ FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	4.6	97	3.7	91	1025.2	29	11	4			8					51	4	.0
	6	4.4	99	3.6	95	1025.3	24	5	2			8					51	5	1.2
	12	3.7	97	3.8	91	1024.3	99	3	1		1	8	8	6			47	4	.
	18	2.8	97	3.7	95	1021.8	9	15	4	3	2	6	4	0	7	5	10	4	.
12	0	5.1	96	3.7	96	1018.5	15	15	4			8					10	2	.
	6	5.6	97	3.7	91	1015.1	15	19	5	0	0	8	8	6			47	2	.
	12	5.7	96	3.7	92	1012.9	14	14	4		1	8					63	4	1.0
	18	6.1	97	3.8	91	1009.2	17	13	4	2	1	8					61	4	2.7
13	0	4.8	99	3.9	91	1007.8	24	15	4			8	8	6			45	6	2.0
	6	4.4	91	3.8	98	1008.5	28	19	5			2					1	4	2.5
	12	5.6	85	3.9	97	1009.8	22	24	6*	4	3	5	3	0	3	9	1	1	.
	18	4.8	91	3.9	98	1009.0	23	20	5	5	4	6	4	0	7	2	2	2	.
14	0	4.3	97	3.8	96	1006.0	21	24	6*			8					63	6	3.0
	6	5.5	94	4.0	96	1001.8	21	28	7*			8					63	6	9.6
	12	5.4	93	3.9	96	999.8	19	30	7*	5	6	8	6	7	2		60	6	1.0
	18	6.1	90	4.0	96	995.7	18	26	6*	6	5	8	6	7	2		61	6	1.8
15	0	5.8	94	4.0	96	992.0	21	29	7*			8					61	6	2.0
	6	5.6	94	4.0	96	991.0	21	29	7*	7	6	8	6	7	2		21	6	4.0
	12	4.8	90	4.1	96	990.9	24	35	8**	6	6	8	5	7	2		80	8	5.0
	18	6.2	85	4.0	97	991.7	23	27	6*	7	6	7	3	7	3		2	8	4.7
16	0	5.3	90	4.0	97	992.0	22	22	6*			5					2	2	.
	6	5.0	96	4.0	96	987.7	20	15	4	3	2	8	6	7	2		63	2	.1
	12	4.9	96	4.0	96	981.4	19	24	6*	4	3	8	6	7	2		61	6	1.0
	18	3.4	88	4.3	98	978.1	19	19	5	5	4	7	5	3	7		2	8	2.6
17	0	2.8	89	4.2	97	988.8	30	29	7*			8					81	8	2.0
	6	1.0	83	4.0	98	995.4	32	24	6*			8					2	8	3.1
	12	1.7	75	4.2	98	1000.3	32	30	7*	6	5	6	6	2	0	0	85	8	.5
	18	2.1	57	4.2	98	1006.0	33	26	6*	8	7	6	6	2	0	0	2	8	.5
18	0	2.4	86	4.2	98	1009.9	30	20	5			4					2	8	.5
	6	2.5	81	4.2	98	1001.5	32	15	4		2	8	5	9	6	2	2	8	1.2
	12	4.3	72	4.2	98	1014.1	28	20	5		2	8	2	1	2		2	2	.3
	18	4.0	92	4.2	98	1014.3	26	17	5	5	4	8	5	9	2		85	2	.7
19	0	3.5	88	4.2	98	1014.3	28	17	5			5					1	8	.0
	6	4.0	85	4.2	98	1014.1	27	15	4		1	8	8	0	7		3	2	.0
	12	2.6	87	4.3	98	1016.8	11	15	4		2	8	8	5			2	2	.
	18	4.7	94	4.3	96	1010.0	16	17	5	4	3	8	6	7	2		61	2	1.5
20	0	4.0	97	4.3	95	996.0	18	35	8**			8					65	6	6.0
	6	5.0	87	4.3	96	995.4	27	26	6*	6	5	7	4	7	2		10	6	8.5
	12	4.3	84	4.4	97	998.9	27	24	6*	5	4	6	4	2	6	0	25	5	2.0
	18	4.6	83	4.4	98	996.3	25	19	5	5	4	3	1	2	0	2	1	1	1.5

1978 MAERZ FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	4.5	93	4.5	98	995.9	28	7	3			2					2	0	.
	6	4.2	82	4.5	98	997.1	33	9	3		0	7	3	2	5		2	2	.
	12	4.1	84	4.5	98	1001.3	31	14	4		1	5	1	1	6	2	1	2	.
	18	2.5	87	4.5	98	1008.7	34	20	5	3	3	6	3	1	0	2	2	2	.
22	0	2.1	76	4.5	98	1012.3	34	11	4			7					0	2	.
	6	3.5	92	4.5	98	1014.0	21	15	4	3	2	7	6	4	6	0	2	2	.
	12	5.6	86	4.7	98	1012.5	20	16	5	3	2	6	0	0	0	9	3	1	.
	18	5.9	83	4.7	97	1004.5	18	28	7*	3	3	8	8	5			61	6	.1
23	0	4.3	93	4.6	97	994.9	18	30	7*			8					60	6	4.0
	6	5.5	91	4.6	98	989.8	21	31	7*	4	3	8	8	5			2	6	6.8
	12	3.3	92	4.7	96	990.2	21	37	8**	5	4	8	4	7	2		62	6	3.0
	18	5.7	83	4.7	97	993.2	23	28	7*	5	4	6	6	0	6	0	21	6	4.0
24	0	4.6	88	4.7	98	994.1	24	17	5			3					1	1	.
	6	4.7	87	4.8	98	997.0	26	24	6*	3	3	4	4	4	0	0	2	6	.3
	12	5.5	86	4.9	98	1003.1	25	17	5	3	3	8	8	8			2	2	.
	18	5.6	89	5.0	98	1008.1	23	14	4	3	2	6	6	5	0	0	2	2	.
25	0	4.7	91	5.0	98	1010.0	20	18	5			4					2	2	.
	6	5.1	81	5.0	97	1005.0	19	26	6*	3	3	8	8	3			60	6	.0
	12	5.8	90	5.0	98	1004.0	24	23	6*	4	3	2	2	2	0	0	2	6	7.0
	18	6.1	85	5.0	98	1001.1	18	13	4	3	2	7	7	0	1		2	6	7.0
26	0	5.3	87	5.0	98	991.9	23	34	8**			7					2	6	5.0
	6	3.1	95	5.0	95	991.9	26	46	9**	6	6	8	8	6			64	6	9.1
	12	4.7	80	5.0	97	1000.4	28	36	8**	7	6	8	8	8			2	6	5.0
	18	5.4	87	5.3	98	1005.3	26	27	6*	6	4	5	5	4	0	0	27	8	6.5
27	0	5.1	91	5.3	98	1005.0	23	22	6*			7					2	2	.
	6	5.5	89	5.3	98	1004.8	22	18	5	3	2	7	7	0	7		2	2	.
	12	6.3	90	5.3	97	1003.0	18	23	6*	2	2	8	8	0	2		60	6	.3
	18	7.2	89	5.3	97	1002.3	24	24	6*	3	3	8	7	0	2		2	6	4.5
28	0	6.2	90	5.3	98	1007.2	21	17	5			0	0	0	0	0	2	0	.
	6	6.1	89	5.3	98	1009.8	20	18	5	3	2	7	0	0	0	1	2	1	.
	12	7.8	85	5.4	97	1008.8	18	19	5	3	2	8	8	5			2	2	.
	18	7.7	95	5.5	96	1005.5	18	21	5	3	2	8	8	2			10	6	3.2
29	0	8.7	86	5.5	97	1003.3	18	21	5			8					2	2	.
	6	7.3	89	5.4	98	1001.4	18	20	5	2	2	6	6	0	3	0	2	2	.
	12	7.8	81	5.6	98	1005.2	21	25	6*	3	3	4	0	0	0	1	2	6	.0
	18	8.5	78	5.6	98	1007.2	21	21	5	3	3	5	1	2	0	1	2	6	.0
30	0	6.5	89	5.6	98	1008.3	20	19	5			0	0	0	0	0	2	0	.
	6	6.3	88	5.6	98	1008.5	20	11	4		1	8	8	5			2	0	.
	12	6.7	89	5.7	97	1009.5	24	8	3	0	0	8	8	5			2	2	.
	18	6.1	93	5.8	97	1009.6	35	5	2	0	0	8	8	5			2	2	.
31	0	5.5	94	5.0	98	1009.8	33	2	1			8					2	2	.
	6	5.2	96	5.6	98	1010.2	8	5	2	0	0	4	0	0	0	1	2	0	.
	12	5.9	96	5.8	96	1010.4	7	7	3	0	0	8	8	6			50	5	.0
	18	5.7	96	5.8	96	1008.0	8	16	5	2	1	8	8	6			50	5	1.0

1978 APRIL FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	5.6	96	5.7	96	1007.8	13	7	3			8					10	5	.0
	6	3.7	97	5.7	92	1006.7	10	10	3			8	8	6			45	5	.0
	12	8.5	84	5.9	96	1005.3	11	10	3		1	4	0	0	0	5	10	4	.
	18	6.9	97	6.1	92	1004.8	8	15	4	2	1	8	8	6			45	4	.
2	0	6.2	96	6.0	95	1006.5	8	12	4								10	4	.
	6	6.1	97	6.0	91	1007.7	6	12	4		1	8	8	6			45	4	.
	12	6.2	89	6.0	96	1010.2	5	14	4	2	1	8	8	5			10	6	.1
	18	5.6	92	6.0	95	1011.2	5	17	5	3	2	8	8	6			10	5	.2
3	0	5.4	93	6.0	97	1014.5	6	22	6*			6					2	2	.
	6	4.8	94	5.9	96	1016.2	7	22	6*	4	3	8	8	5			10	2	.
	12	4.9	90	5.9	96	1018.7	6	24	6*	4	3	8	8	5			10	2	.
	18	5.4	89	5.9	96	1018.4	6	26	6*	4	3	8	8	5			10	2	.
4	0	4.7	93	5.7	96	1020.1	6	21	5			8					10	2	.
	6	4.3	94	5.7	96	1019.9	4	21	5	4	3	8	8	5			10	2	.
	12	5.8	85	6.0	97	1021.2	5	19	5	4	3	3	3	5	0	0	2	0	.
	18	5.9	86	5.7	97	1021.2	3	18	5	4	3	8	0	0	0	7	2	1	.
5	0	5.1	89	5.6	97	1023.3	5	24	6*			3					2	1	.
	6	5.2	65	5.6	98	1024.9	5	18	5	4	3	3	0	0	0	2	2	0	.
	12	5.1	72	5.6	98	1026.9	4	20	5	4	3	2	0	0	0	2	2	0	.
	18	5.2	75	5.6	98	1026.7	5	20	5	4	4	3	0	0	0	2	2	0	.
6	0	4.4	67	5.6	98	1029.9	8	22	6*			3					2	0	.
	6	3.4	77	5.5	98	1030.9	8	14	4	4	3	2	0	0	0	2	2	0	.
	12	4.2	68	5.6	98	1031.9	5	12	4	3	2	2	0	0	0	2	2	0	.
	18	4.1	84	5.7	98	1030.1	4	12	4	2	2	8	8	8			3	2	.
7	0	3.6	79	5.7	98	1028.9	3	8	3			3					1	1	.
	6	4.2	69	5.5	98	1025.9	30	9	3	2	1	5	1	1	6	2	2	2	.
	12	5.6	85	5.7	97	1023.5	31	12	4	4	2	8	3	7	2		3	2	.
	18	4.6	91	5.6	97	1019.2	33	20	5	4	4	8	8	5			2	2	.
8	0	5.0	90	5.6	97	1016.9	35	16	5			3					1	1	.
	6	3.6	92	5.6	92	1016.9	6	4	2		0	8	8	6			47	0	.
	12	5.7	92	6.0	96	1017.8	5	10	3		0	8	0	0	0	7	10	2	.
	18	6.4	84	6.0	97	1016.2	1	9	3		0	8	0	0	0	7	2	1	.
9	0	3.8	91	5.8	93	1015.9	35	8	3			8	8	6			45	4	.
	6	4.6	90	5.7	97	1014.9	3	7	3		0	8	8	0	2		2	4	.
	12	5.7	85	5.9	97	1013.4	6	4	2		0	8	8	0	1		2	2	.
	18	4.6	88	5.9	96	1010.1	3	8	3	3	1	8	8	0	1		10	2	.
10	0	4.9	86	5.6	96	1006.9	24	6	2			8					10	2	.
	6	5.3	82	5.7	97	1002.9	23	15	4	4	2	8	8	6			2	5	.0
	12	5.1	89	5.8	96	1002.9	23	13	4	3	3	8	6	7			61	5	3.0
	18	4.6	74	5.9	98	1004.9	31	8	3	4	2	7	1	7	7		2	6	3.2

1978 APRIL FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	4.1	66	5.9	98	1004.9	25	12	4			5					2	2	.
	6	3.6	79	5.8	97	1004.9	3	8	3	4	2	8	5	7			60	2	.3
	12	1.7	93	5.7	93	1004.4	35	22	6*	4	4	8	8	7			75	7	4.0
	18	2.5	84	5.5	98	1005.3	26	15	4	3	2	6	4	5	0	1	2	7	4.5
12	0	3.8	85	5.7	97	1006.1	28	24	6*			2					85	8	5.0
	6	3.4	67	5.6	97	1007.5	24	24	6*	5	4	6	5	3	0	2	27	8	6.3
	12	3.6	86	5.7	98	1007.8	21	30	7*	5	5	7	7	2			2	8	8.0
	18	3.4	86	5.7	97	1008.3	24	11	4	3	2	8	6	7	2		60	8	15.0
13	0	2.8	94	5.7	97	1008.8	18	7	3			8					60	6	.6
	6	3.3	71	5.7	98	1007.8	31	9	3	2	1	2	2	2	0	0	1	6	.7
	12	5.6	62	5.7	98	1006.9	99	2	1		0	4	1	1	0	4	2	0	.
	18	4.5	60	6.0	98	1004.5	6	7	3	0	0	7	3	0	4	4	2	2	.
14	0	2.8	83	5.7	98	1004.0	6	13	4			5					2	2	.
	6	4.7	70	5.7	98	1004.0	2	19	5	4	3	7	4	8	7		2	2	.
	12	5.3	75	5.8	98	1006.6	1	16	5	4	3	6	4	3	0	2	2	2	.
	18	5.0	70	5.9	98	1008.8	36	15	4	4	3	3	3	1	0	0	1	1	.
15	0	3.9	82	5.8	98	1011.7	1	17	5			4					2	0	.
	6	4.5	71	5.8	98	1014.2	36	15	4	4	3	3	3	1	0	0	2	0	.
	12	5.2	73	5.8	98	1016.3	33	16	5	4	3	4	4	1	0	0	2	0	.
	18	5.1	79	6.2	98	1016.3	33	17	5	5	4	6	6	2	0	0	2	1	.
16	0	3.8	86	5.9	98	1016.9	31	17	5			3					2	1	.
	6	4.5	81	5.7	98	1016.1	33	19	5	5	4	4	4	2	0	0	2	0	.
	12	5.4	78	5.8	98	1018.7	35	13	4	4	3	3	3	1	0	0	2	1	.
	18	5.8	87	6.1	98	1019.6	34	13	4	4	3	2	2	1	0	0	2	0	.
17	0	5.4	82	6.0	98	1021.5	35	15	4			3					2	0	.
	6	4.9	77	6.0	98	1022.1	34	7	3	2	1	4	4	1	0	0	2	0	.
	12	5.3	69	6.2	98	1023.6	27	9	3		0	7	7	8			2	1	.
	18	5.5	71	6.5	98	1021.7	24	11	4	2	1	7	3	0	7	6	2	2	.
18	0	5.2	79	6.2	98	1020.4	17	11	4			3					2	1	.
	6	5.3	89	6.3	97	1018.1	15	11	4	3	2	7	0	0	0	6	3	1	.
	12	7.6	73	6.5	96	1017.9	11	10	3	3	2	7	1	1	0	6	10	2	.
	18	7.2	84	6.8	97	1015.0	8	15	4	2	1	4	0	0	0	5	2	2	.
19	0	7.3	72	6.7	97	1016.5	10	17	5			2					2	0	.
	6	6.0	77	6.5	98	1016.6	11	19	5	3	2	3	0	0	0	1	2	0	.
	12	8.3	75	6.5	97	1017.0	7	19	5	2	2	2	0	0	0	1	2	0	.
	18	8.2	65	6.6	98	1014.5	8	26	6*	3	3	0	0	0	0	0	2	0	.
20	0	5.8	85	6.6	98	1014.2	10	22	6*			2					2	0	.
	6	5.2	79	6.3	98	1011.8	11	22	6*	3	3	6	6	0	5	0	2	2	.
	12	8.1	76	6.5	97	1011.3	9	16	5	3	2	3	3	0	7	0	1	1	.
	18	8.7	80	6.5	97	1009.5	9	17	5	3	2	8	8	0	7		2	8	.1

1978 APRIL FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	7.7	96	6.6	97	1011.0	17	4	2			8					61	6	1.0
	6	7.4	96	6.7	95	1012.6	24	8	3			8	8	0	2		60	6	2.5
	12	7.5	99	6.8	95	1015.3	31	1	1	0	0	8	8	0	2		60	6	4.0
	18	7.2	95	6.5	95	1018.2	36	6	2			8	8	0	2		60	6	3.6
22	0	6.8	95	6.6	96	1020.8	32	6	2			8					60	6	.1
	6	6.1	97	6.6	92	1021.8	32	9	3			8	8	6			45	6	.2
	12	7.1	92	6.5	96	1023.2	28	7	3			8	8	5			10	2	.
	18	5.8	96	6.6	95	1023.9	33	2	1	0	0	8	8	5			10	2	.
23	0	4.9	96	6.5	93	1024.9	0	0	0			8	8	6			45	4	.
	6	3.9	95	6.5	93	1025.1	30	1	1			8	8	5			45	4	.
	12	4.6	94	6.5	93	1024.8	3	3	1	0	0	8	8	6			45	4	.
	18	4.5	93	6.6	93	1021.1	2	7	3	0	0	8	8	6			45	4	.
24	0	4.1	98	6.6	92	1019.0	2	6	2			8	8	6			45	4	.
	6	4.6	94	6.5	93	1015.5	33	8	3	0	0	8	8	6			43	4	.
	12	5.8	93	6.6	96	1013.2	29	11	4		1	8	8	5			10	2	.
	18	6.2	90	6.5	97	1011.2	34	15	4	3	2	8	8	5			2	2	.
25	0	4.6	84	6.5	98	1010.9	34	14	4			8					2	2	.
	6	5.5	76	6.5	98	1010.2	36	8	3			7	7	0	6		2	2	.
	12	5.7	76	6.6	98	1011.0	5	10	3		1	5	5	5	0	0	2	2	.
	18	4.7	69	6.7	98	1010.1	6	14	4		1	7	7	5			2	2	.
26	0	4.4	82	6.5	98	1008.2	10	20	5			8					2	2	.
	6	4.8	77	6.5	98	1007.9	9	28	7*	3	3	4	4	4	0	0	1	2	.
	12	5.7	76	6.5	98	1006.8	8	29	7*	4	4	3	3	4	0	0	2	1	.
	18	5.9	70	6.5	98	1005.0	7	32	7*	4	5	7	7	0	7		2	2	.
27	0	6.6	66	6.5	98	1005.0	8	30	7*			8					2	2	.
	6	4.3	81	6.4	98	1004.8	9	32	7*	4	5	7	7	0	2		2	2	.
	12	6.1	74	6.5	98	1005.3	8	28	7*	4	5	8	8	0	2		2	2	.
	18	5.8	82	6.5	98	1007.2	9	26	6*	4	4	8	8	5			2	2	.
28	0	4.6	90	6.5	98	1009.2	9	24	6*			8					2	2	.
	6	5.3	84	6.5	98	1009.9	10	15	4	2	2	8	8	5			2	2	.
	12	7.1	85	6.5	98	1011.7	11	10	3		1	6	0	0	0	1	1	1	.
	18	6.7	89	6.7	97	1010.8	8	18	5	2	2	5	5	0	3	0	2	2	.
29	0	6.2	92	6.5	96	1011.0	9	20	5			8					10	2	.
	6	5.6	96	6.5	96	1009.2	9	17	5	2	2	8	8	7			61	6	3.5
	12	7.5	88	6.5	96	1009.2	8	9	3	2	2	8	8	5			10	6	1.0
	18	7.5	92	6.7	96	1007.9	4	12	4		1	4	0	0	0	5	10	1	1.0
30	0	6.4	93	6.7	95	1007.3	6	22	6*			8					10	2	.
	6	6.0	92	6.8	97	1005.5	6	26	6*		3	6	6	0	2	0	2	2	.
	12	7.2	80	6.7	97	1006.0	7	25	6*	3	3	8	8	0	1		2	2	.
	18	6.8	92	6.9	97	1005.8	6	22	6*	3	3	8	8	0	2		61	6	2.5

1978 MAI FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	6.4	90	6.7	97	1005.2	7	24	6*			8					60	6	7.0
	6	6.0	94	6.7	96	1003.6	8	24	6*	3	3	8	8	0	2		62	6	9.5
	12	7.1	85	6.7	97	1002.5	5	22	6*	3	3	8	8	0	2		2	2	.
	18	8.4	82	6.9	97	1000.9	5	26	6*	4	3	7	7	0	5	0	2	2	.
2	0	6.9	95	6.8	97	1003.1	6	28	7*			2					1	1	.
	6	6.2	80	6.8	97	1004.5	5	24	6*	4	3	7	7	0	3	0	2	2	.
	12	7.2	77	6.8	98	1007.2	4	21	5	4	3	5	0	0	0	1	2	2	.
	18	8.0	80	7.0	97	1008.3	4	17	5	4	3	6	0	0	0	1	2	2	.
3	0	7.5	79	6.9	97	1011.5	7	15	4			5					2	2	.
	6	6.5	81	6.8	97	1012.6	10	19	5	4	3	8	0	0	0	7	3	1	.
	12	7.7	76	7.2	97	1014.0	8	15	4	4	3	7	0	0	0	1	2	2	.
	18	8.6	81	7.1	97	1012.8	8	17	5	4	3	7	7	0	2		60	2	.0
4	0	8.5	84	7.2	97	1013.9	10	13	4			8					21	6	.0
	6	9.2	94	7.2	95	1014.5	24	5	2		0	8	8	6			10	2	.0
	12	10.2	86	7.6	95	1016.1	0	0	0	0	0	8	8	6			10	2	.
	18	9.3	90	8.4	96	1016.1	7	7	3	0	0	8	0	0	0	7	10	2	.
5	0	8.0	92	7.6	96	1016.7	9	13	4			1					10	2	.
	6	8.6	90	7.2	96	1014.9	9	15	4	3	2	6	3	2	0	1	10	2	.
	12	9.6	87	7.7	95	1013.0	6	15	4	3	2	8	8	0	1		10	2	.
	18	10.3	82	7.4	96	1009.9	7	19	5	3	2	8	8	0	2		10	2	.
6	0	10.2	90	7.4	96	1010.2	8	17	5			8					60	6	1.0
	6	8.5	85	7.4	96	1008.2	7	22	6*	5	4	8	8	0	2		10	6	2.0
	12	9.2	83	7.6	96	1007.8	5	20	5	5	4	7	0	0	0	6	10	6	.5
	18	9.8	82	7.6	96	1006.8	5	20	5	5	4	7	5	0	3	2	10	2	.5
7	0	8.9	89	7.4	96	1007.5	3	24	6*			8					62	2	1.0
	6	8.4	81	7.5	97	1007.2	5	26	6*	6	5	8	8	0	2		2	6	1.4
	12	8.1	91	7.3	97	1009.2	5	24	6*	7	6	8	6	7	2		2	8	.3
	18	9.3	79	7.4	97	1010.9	5	20	5	6	5	8	8	5			2	6	.5
8	0	9.5	74	7.4	98	1012.1	5	17	5			8					2	2	.
	6	8.4	81	7.4	97	1013.1	5	17	5	3	2	8	8	5			2	2	.
	12	8.4	80	7.4	98	1014.0	3	17	5	4	3	2	0	0	0	2	1	1	.
	18	9.4	77	7.8	97	1015.5	3	17	5	4	2	0	0	0	0	0	2	0	.
9	0	8.3	86	7.5	98	1018.2	2	13	4			1					1	0	.
	6	8.5	86	7.5	98	1020.1	2	11	4			0	0	0	0	0	2	0	.
	12	8.4	86	7.7	98	1022.0	36	13	4	3	2	0	0	0	0	0	2	0	.
	18	9.6	82	7.7	98	1023.0	35	13	4	3	2	0	0	0	0	0	2	0	.
10	0	7.0	93	7.5	97	1024.5	33	17	5			0	0	0	0	0	1	4	.
	6	7.7	92	7.6	98	1025.2	35	11	4	3	2	7	7	0	3		2	2	.
	12	7.2	86	7.8	97	1027.7	6	20	5	4	3	6	4	0	3	2	2	2	.
	18	7.4	79	7.9	98	1029.1	4	17	5	5	4	1	1	1	0	0	2	0	.

1978 MAI FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	6.4	80	7.7	97	1032.1	8	17	5			0	0	0	0	0	2	0	.
	6	6.5	52	7.7	98	1032.9	5	13	4	3	2	3	2	1	0	5	2	0	.
	12	7.2	60	7.8	98	1032.5	4	7	3	0	0	2	2	1	0	0	2	0	.
	18	7.0	61	8.5	98	1028.5	7	3	1	0	0	7	7	0	2		3	2	.
12	0	5.4	75	7.8	98	1021.9	16	19	5			8					2	2	.
	6	6.6	64	7.7	96	1012.8	16	26	6*	5	4	8	6	7	2		60	2	.6
	12	4.8	96	7.8	96	1007.2	14	22	6*	5	4	8	6	7	2		60	6	9.0
	18	5.2	94	7.8	96	1007.0	6	7	3		1	8	6	7	2		21	6	11.0
13	0	5.2	89	7.8	97	1007.0	4	7	3			8					60	2	.0
	6	5.2	93	7.8	97	1007.2	36	7	3		1	8	6	7	2		60	6	1.2
	12	7.4	72	8.4	97	1008.6	3	9	3	2	1	8	0	0	0	7	2	6	.0
	18	8.4	68	8.5	97	1010.2	99	3	1		0	8	0	0	0	7	2	2	.0
14	0	7.2	82	7.8	97	1011.2	99	3	1			2					1	1	.
	6	7.5	77	7.9	96	1011.1	99	5	2		0	8	3	2	0		10	0	.
	12	9.6	73	8.4	96	1011.8	20	5	2		1	7	0	0	0	2	10	2	.
	18	8.4	80	8.2	96	1011.5	8	11	4	3	2	8	8	6			10	5	.0
15	0	8.1	89	8.2	96	1011.8	9	13	4			8					61	6	.0
	6	8.4	86	8.2	96	1011.0	10	9	3	2	1	7	7	0	3		10	6	.0
	12	7.6	96	8.5	91	1012.8	5	15	4	3	2	8	8	6			47	2	.
	18	8.6	90	8.9	96	1013.7	4	13	4	3	2	8	0	0	0	7	10	4	.
16	0	8.2	92	8.4	96	1015.0	5	9	3			6					10	2	.
	6	8.5	91	8.4	96	1015.8	3	7	3	2	1	6	0	0	0	2	10	2	.
	12	10.5	86	8.7	96	1017.2	5	5	2	2	1	8	0	0	0	2	10	2	.
	18	9.7	83	9.6	97	1017.9	3	7	3	2	1	3	0	0	0	1	1	1	.
17	0	8.3	94	9.2	97	1019.8	2	6	2			2					2	0	.
	6	7.9	92	9.0	97	1020.1	2	7	3	2	1	8	8	0	7		2	2	.
	12	8.7	89	8.9	92	1021.5	36	6	2	2	1	8	8	6			47	4	.
	18	8.5	79	9.1	97	1020.8	2	12	4	2	1	4	0	0	0	5	3	1	.
18	0	8.2	86	8.6	97	1021.8	3	8	3			0	0	0	0	0	1	1	.
	6	8.1	85	8.7	98	1021.0	3	12	4	2	1	3	0	0	0	2	2	0	.
	12	8.7	84	8.9	97	1020.8	4	13	4	2	2	0	0	0	0	0	2	0	.
	18	9.3	87	8.9	97	1018.9	3	15	4	2	1	3	0	0	0	9	3	0	.
19	0	9.1	86	8.9	98	1018.1	5	18	5			5					2	2	.
	6	9.4	90	8.9	97	1016.8	5	12	4	2	1	6	6	0	5	0	2	2	.
	12	10.5	86	9.0	96	1016.4	4	17	5	3	2	8	8	5			10	2	.
	18	9.8	96	9.0	97	1014.1	2	20	5	3	2	7	7	0	7	0	2	2	.
20	0	10.0	95	9.0	97	1014.2	6	15	4			8					21	6	.0
	6	9.3	90	8.9	97	1014.5	7	11	4	3	2	8	8	5			2	6	.4
	12	9.6	91	9.0	97	1015.5	2	12	4		1	8	8	5			2	2	.
	18	9.7	95	9.1	96	1014.9	33	11	4		1	6	0	0	0	1	10	2	.

1978 MAI FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	9.5	96	9.5	96	1015.0	32	10	3			8					10	2	.
	6	9.5	94	9.1	96	1013.0	33	8	3	2	1	7	7	0	3		10	6	.7
	12	10.8	88	9.5	96	1011.8	5	7	3		1	8	0	0	0	7	10	2	.
	18	10.4	91	9.6	95	1010.9	22	2	1			8	8	0	1		10	2	.
22	0	9.5	95	9.1	96	1009.9	21	3	1			8					10	2	.
	6	9.7	96	9.2	95	1007.2	16	4	2			8	8	0	2		10	2	.
	12	12.0	82	10.1	95	1005.3	3	5	2	0	0	3	0	0	0	1	10	1	.
	18	10.1	90	9.8	96	1002.8	34	17	5		1	4	0	0	0	5	10	2	.
23	0	9.3	95	9.4	96	1001.0	33	20	5			8					10	2	.
	6	9.7	94	9.4	96	1000.0	32	19	5	3	2	6	6	0	7	0	10	2	.
	12	11.1	87	9.5	96	1000.9	31	17	5	3	2	8	8	5			10	2	.
	18	10.1	95	9.5	96	1004.0	30	17	5	3	2	8	8	5			10	2	.
24	0	9.3	98	9.5	92	1006.8	31	21	5			8	8	6			47	6	.4
	6	9.5	98	9.5	93	1009.8	31	20	5	3	2	8	8	6			47	6	.9
	12	10.4	91	9.6	96	1012.0	31	12	4	3	2	8	8	0	2		10	2	.
	18	10.1	94	9.7	96	1014.5	31	9	3	3	2	8	8	0	2		10	2	.
25	0	9.7	98	9.6	95	1016.3	33	17	5			8					10	2	.
	6	9.6	89	9.7	97	1018.5	36	23	6*	5	4	8	8	0	2		2	5	1.0
	12	9.2	87	9.7	97	1020.5	36	20	5	5	4	8	8	5			2	2	.
	18	9.2	93	9.7	98	1024.0	36	22	6*	5	4	8	8	5			2	2	.
26	0	8.7	90	9.6	98	1025.5	35	15	4			8					2	2	.
	6	9.1	93	9.6	98	1026.5	1	8	3		1	7	7	5			2	2	.
	12	9.0	95	9.7	96	1027.0	33	8	3	0	0	8	8	5			10	2	.
	18	8.6	96	9.8	93	1026.2	35	10	3	3	1	8	8	6			45	4	.
27	0	7.4	99	9.7	92	1026.8	2	8	3			8	8	6			45	4	.
	6	7.7	97	9.7	92	1027.0	36	7	3		1	8	8	6			45	4	.
	12	9.0	91	10.0	92	1028.0	36	8	3		1	8	8	6			45	4	.
	18	8.8	97	10.0	92	1027.5	36	9	3		1	8	8	6			45	4	.
28	0	10.0	93	9.9	98	1028.0	3	9	3			0	0	0	0	0	2	0	.
	6	10.5	88	9.9	98	1028.4	36	10	3		1	0	0	0	0	0	2	0	.
	12	11.3	83	10.5	98	1029.1	34	9	3	0	0	1	0	0	0	2	2	0	.
	18	11.7	83	10.5	98	1028.8	35	9	3	0	0	2	0	0	0	2	2	0	.
29	0	8.7	97	10.2	92	1028.8	35	11	4			8	8	6			45	4	.
	6	10.4	96	10.0	92	1028.8	35	5	2	0	0	8	8	6			45	4	.
	12	12.2	88	10.4	97	1029.2	1	2	1	0	0	3	0	0	0	2	28	0	.
	18	12.7	88	11.0	98	1027.2	1	12	4		1	2	0	0	0	2	2	0	.
30	0	10.9	93	10.2	98	1027.0	3	13	4			1					2	0	.
	6	11.6	91	10.1	97	1026.5	4	11	4		1	3	0	0	0	2	2	0	.
	12	12.8	87	10.6	97	1026.5	5	13	4	2	1	6	0	0	0	6	2	1	.
	18	13.5	77	11.3	97	1024.0	4	17	5	2	1	5	0	0	0	6	2	2	.
31	0	12.2	87	10.6	96	1024.0	6	19	5			3					10	1	.
	6	12.9	87	10.9	96	1023.6	8	13	4	2	1	3	0	0	0	5	10	0	.
	12	13.3	80	11.5	97	1023.9	7	14	4	2	1	0	0	0	0	0	2	0	.
	18	14.5	82	12.1	97	1021.9	6	19	5	2	1	0	0	0	0	0	2	0	.

1978 JUNI FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	13.5	84	11.5	98	1022.2	7	15	4			2					2	0	.
	6	13.7	87	11.5	96	1022.2	10	15	4	2	1	8	0	0	0	7	10	1	.
	12	16.0	78	12.1	96	1022.7	8	11	4		0	8	0	0	0	7	10	2	.
	18	16.0	76	12.3	97	1020.9	8	15	4		0	6	4	2	0	2	3	2	.
2	0	15.7	87	12.6	98	1021.1	12	13	4			2					2	9	.
	6	15.3	77	12.3	95	1021.1	22	7	3			8	0	0	0	7	10	2	.
	12	15.7	84	13.8	96	1022.3	26	9	3		0	8	0	0	0	7	10	2	.
	18	15.0	91	13.6	96	1021.9	28	7	3	0	0	8	0	0	0	7	10	2	.
3	0	13.8	92	13.6	96	1021.6	28	7	3			5					10	2	.
	6	13.0	96	12.1	95	1021.6	18	5	2	0	0	8	0	0	0		10	0	.
	12	14.3	95	12.4	95	1021.8	31	6	2		1	8	0	0	0	7	10	2	.
	18	14.0	93	13.4	95	1019.8	2	9	3		1	8	0	0	0	7	10	2	.
4	0	12.3	97	12.4	91	1019.3	2	13	4			8	8	6			45	4	.
	6	11.6	98	11.5	91	1018.4	7	11	4		1	8	8	6			45	4	.
	12	12.0	97	11.7	91	1018.2	4	11	4		1	8	8	6			45	4	.
	18	13.3	92	12.3	94	1016.1	4	11	4		1	8	6	2	0	7	28	4	.
5	0	13.3	92	11.9	96	1015.8	6	13	4			5					10	6	.0
	6	14.3	93	12.0	96	1015.5	21	15	4	2	1	8	0	0	0	7	10	2	.0
	12	14.0	92	11.9	93	1017.1	23	9	3	3	1	8	8	6			45	5	.0
	18	13.7	87	12.0	95	1017.5	28	9	3	2	1	7	0	0	0	1	10	4	.0
6	0	12.9	92	12.3	96	1017.5	0	0	0			5					10	2	.
	6	12.3	96	11.9	91	1016.2	8	11	4	0	0	8	8	6			47	2	.
	12	15.4	85	12.0	95	1014.7	9	12	4	2	1	7	7	0	3		10	6	4.0
	18	14.5	91	12.8	96	1012.5	26	15	4	2	1	7	7	0	3		10	2	3.5
7	0	13.0	98	12.1	91	1013.1	30	11	4			8					51	4	.4
	6	12.8	97	11.9	93	1012.1	28	9	3		1	8	8	0	2		43	6	.7
	12	14.8	81	12.3	96	1012.8	19	7	3	4	1	5	3	0	8	9	10	2	.
	18	13.2	91	12.3	97	1012.0	24	11	4	3	1	7	4	0	1	2	2	2	.
8	0	12.3	92	11.9	96	1011.5	23	11	4			8					60	6	.5
	6	12.0	95	12.0	98	1010.8	28	17	5	4	3	6	3	3	7	0	21	6	6.0
	12	12.9	78	12.1	98	1014.4	25	20	5	4	3	3	3	3	0	0	2	1	.
	18	12.0	73	12.2	98	1015.2	25	17	5	5	4	6	5	0	3	2	2	1	.
9	0	12.1	81	12.0	98	1013.9	24	13	4			6					2	2	.
	6	12.3	83	12.0	98	1012.2	27	11	4		1	3	0	0	0	2	1	1	.
	12	11.6	71	12.1	98	1013.8	26	22	6*	5	4	4	4	1	0	0	2	0	.
	18	10.7	90	12.2	98	1013.8	25	22	6*	5	4	7	3	2	9		2	2	.
10	0	11.5	82	12.0	98	1012.7	24	20	5			8					2	2	.
	6	11.5	79	12.3	98	1012.1	27	19	5	4	3	7	6	3	6		2	6	.0
	12	11.6	79	12.2	98	1013.8	28	24	6*	5	5	6	3	9	7	0	2	8	2.0
	18	11.9	76	12.4	98	1016.5	30	24	6*	6	6	6	6	2	0	0	2	8	2.5

1978 JUNI FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	10.3	84	12.3	98	1018.3	31	24	6*			8					2	8	1.0
	6	10.7	73	12.3	98	1021.7	30	29	7*	8	7	8	6	7	2		2	8	1.6
	12	11.6	76	12.3	98	1023.9	29	22	6*	5	7	8	8	5			2	2	.
	18	11.7	88	12.2	98	1022.5	26	22	6*	7	6	7	3	7	5		2	2	.
12	0	10.8	85	12.2	98	1017.5	29	26	6*			8					2	8	1.0
	6	9.9	80	12.1	98	1014.8	30	31	7*	9	8	5	5	2	0	0	2	8	1.2
	12	9.7	83	12.2	98	1015.2	31	28	7*	5	6	8	5	7	2		80	8	.2
	18	11.3	81	12.2	98	1016.0	32	26	6*	5	6	5	5	1	0	0	2	8	.6
13	0	10.7	78	12.2	98	1017.1	32	22	6*			8					2	2	.
	6	10.9	77	12.1	98	1017.1	33	17	5	5	5	6	6	5	0	0	2	2	.
	12	11.2	82	12.3	98	1017.7	33	12	4	5	4	5	4	8	6	0	2	2	.
	18	10.7	83	12.3	98	1017.7	32	12	4		1	8	8	5			2	2	.
14	0	9.8	89	12.3	98	1018.2	30	11	4			8					2	2	.
	6	10.1	88	12.3	98	1017.4	34	13	4		1	8	8	5			2	2	.
	12	10.6	78	12.5	98	1017.5	33	11	4		1	8	8	5			2	2	.
	18	11.4	73	12.5	98	1015.8	34	9	3		1	3	2	5	0	2	2	0	.
15	0	9.4	89	12.5	98	1014.8	36	12	4			6					2	2	.
	6	10.8	81	12.4	98	1013.2	3	4	2		1	8	8	5			2	2	.
	12	11.6	84	12.6	98	1012.0	6	8	3	0	0	8	0	0	0	7	1	1	.
	18	12.3	91	12.8	98	1008.8	6	17	5	3	2	2	0	0	0	8	2	0	.
16	0	12.9	93	12.8	98	1008.0	6	17	5			3					2	0	.
	6	12.6	91	12.6	98	1006.0	8	19	5	3	2	2	0	0	0	8	2	0	.
	12	12.9	86	12.8	98	1006.8	7	28	7*	4	3	1	0	0	0	1	2	0	.
	18	14.5	65	12.9	98	1007.0	6	23	6*	4	3	4	0	0	0	1	2	0	.
17	0	12.6	88	12.7	98	1010.8	6	20	5			2					2	0	.
	6	13.5	81	12.6	98	1012.2	6	15	4	2	2	1	0	0	0	1	2	0	.
	12	13.6	85	12.9	98	1013.8	3	17	5		1	1	0	0	0	1	2	0	.
	18	14.4	74	13.0	98	1015.0	3	23	6*	3	2	0	0	0	0	0	2	0	.
18	0	12.7	80	12.9	98	1019.1	5	8	3			0	0	0	0	0	2	0	.
	6	13.4	66	12.9	98	1020.8	12	6	2	0	0	1	0	0	0	1	2	0	.
	12	14.4	57	14.8	98	1022.0	36	2	1	0	0	4	0	0	0	1	2	0	.
	18	13.4	77	13.6	98	1021.2	1	9	3		1	2	0	0	0	2	2	0	.
19	0	11.4	90	13.4	98	1021.2	1	3	1			0	0	0	0	0	2	0	.
	6	12.0	90	13.2	98	1020.1	5	5	2	0	0	1	0	0	0	1	2	0	.
	12	13.2	84	13.4	98	1019.2	3	4	2	0	0	3	0	0	0	1	2	0	.
	18	13.6	84	13.8	98	1017.8	2	7	3		1	3	0	0	0	4	2	0	.
20	0	12.5	84	13.3	98	1018.0	0	0	0	0	0	7					3	1	.
	6	12.8	80	13.3	98	1017.2	27	1	1	0	0	7	3	5			1	1	.
	12	14.9	72	13.6	98	1016.1	8	4	2	0	0	8	0	0	0	7	2	0	.
	18	12.3	88	13.7	98	1013.7	9	11	4	0	0	8	0	0	0	7	2	2	.

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Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	12.5	86	13.6	98	1011.2	13	12	4			6					2	2	•
	6	13.8	91	13.4	97	1009.2	18	9	3	0	0	4	0	0	0	2	2	1	•
	12	16.1	77	13.6	97	1008.8	22	11	4	0	0	6	0	0	0	1	2	2	•
	18	15.2	81	13.5	97	1007.7	24	7	3		1	7	2	2	3	1	2	2	•
22	0	13.5	89	13.4	98	1006.9	18	15	4			6					2	2	•
	6	13.7	87	13.5	97	1003.2	18	20	5	2	2	7	7	0	2		2	2	•
	12	13.2	87	13.5	97	1001.7	19	16	5	3	2	8	8	4			21	6	9.0
	18	13.5	86	13.5	98	999.6	20	20	5	3	2	7	4	5	3	0	21	6	9.5
23	0	13.8	76	13.4	98	998.8	21	20	5			4					2	2	•
	6	13.1	86	13.5	98	996.9	19	23	6*		2	6	4	4	0	4	2	2	•
	12	14.3	81	13.5	98	992.8	15	15	4		2	8	8	0	2		2	6	.0
	18	12.3	88	13.5	98	992.7	25	20	5		2	6	4	4	2		25	8	4.1
24	0	11.3	92	13.5	98	992.4	24	23	6*			7					81	8	6.0
	6	12.1	86	13.5	98	992.2	20	26	6*	3	2	6	6	9	0	0	2	8	12.0
	12	11.6	82	13.6	98	994.0	21	28	7*		3	8	8	3			2	8	.1
	18	13.0	83	13.6	98	997.2	24	20	5	5	4	7	7	3			2	8	1.0
25	0	12.2	82	13.6	98	998.8	21	26	6*			4					2	2	•
	6	12.3	77	13.6	98	1000.0	21	28	7*	4	4	7	7	9			2	8	.2
	12	12.4	87	13.6	98	1003.3	23	27	6*	5	4	8	8	9			80	8	.0
	18	11.9	94	13.6	97	1004.1	24	28	7*	5	4	8	8	3			61	6	6.0
26	0	11.5	97	13.6	97	1005.0	27	24	6*			8					60	6	5.0
	6	11.5	91	13.5	97	1005.3	30	26	6*	5	4	8	8	7			60	6	8.5
	12	11.8	88	13.5	98	1007.7	30	24	6*	5	4	8	8	3			2	6	.0
	18	11.3	86	13.5	97	1009.0	30	28	7*	5	4	8	8	9			60	6	.3
27	0	10.8	92	13.5	98	1009.8	32	22	6*			8					21	6	1.0
	6	11.5	85	13.5	97	1010.5	32	22	6*	5	4	8	8	7			60	6	.8
	12	11.0	83	13.5	98	1012.5	32	20	5	5	4	8	8	8			2	6	1.0
	18	11.4	83	13.5	98	1013.7	32	20	5	5	3	8	8	8			2	2	1.5
28	0	11.8	78	13.5	98	1015.0	29	18	5			8					2	2	•
	6	12.5	88	13.4	98	1013.2	23	15	4		1	5	2	3	0	5	2	2	•
	12	14.3	75	13.6	97	1013.9	23	13	4		1	7	4	8	0	6	2	2	•
	18	12.6	93	13.6	96	1013.1	21	20	5	4	3	8	5	7	2		60	5	1.0
29	0	13.0	92	13.5	97	1012.6	27	14	4			8					2	6	5.0
	6	13.8	92	13.6	98	1012.1	23	9	3	2	1	8	8	5			3	1	5.0
	12	15.6	88	13.7	95	1013.1	25	9	3	2	1	8	8	6			10	2	•
	18	14.4	93	14.1	96	1013.4	24	11	4	2	1	8	8	0	1		10	2	.0
30	0	13.7	93	14.0	96	1013.4	21	17	5			8					10	6	6.0
	6	14.1	95	13.9	97	1012.3	19	12	4	3	2	8	5	5	2		2	6	6.1
	12	14.7	91	14.0	97	1012.6	25	15	4	3	2	8	3	7	7		2	6	6.0
	18	13.7	84	14.4	98	1013.9	25	14	4	3	2	7	1	3	7		2	2	6.0

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Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	12.7	91	14.4	96	1015.9	30	17	5			8					50	5	5.0
	6	12.4	80	14.2	98	1017.7	30	22	6*	4	3	8	8	0	2		2	5	5.3
	12	14.2	86	14.4	98	1018.9	24	17	5	4	3	8	8	5			2	2	.
	18	14.0	74	14.4	98	1018.3	25	17	5	4	3	4	1	3	0	2	2	0	.
2	0	12.9	90	14.2	98	1017.1	21	18	5			8					2	6	.0
	6	13.6	89	14.5	97	1014.1	21	20	5	4	3	8	8	0	2		2	6	3.5
	12	13.6	96	14.5	96	1011.0	20	22	6*	4	3	8	6	7	2		63	6	6.0
	18	13.8	95	14.6	96	1006.9	26	18	5	4	3	8	6	7	2		63	6	16.0
3	0	13.6	89	14.3	98	1006.2	27	17	5			7					2	6	1.0
	6	14.0	93	14.2	96	1002.2	21	11	4	2	1	8	6	7	2		60	6	4.2
	12	14.3	93	14.2	96	999.8	23	19	5	3	2	8	8	6			50	6	3.0
	18	12.6	76	14.2	98	1000.8	26	20	5	4	3	7	2	3	6	1	2	5	3.4
4	0	13.3	76	14.3	98	1000.8	22	13	4			8					2	2	.
	6	12.1	85	14.1	98	999.6	20	18	5	4	3	7	7	8			3	1	.
	12	11.0	90	14.2	97	999.2	23	11	4	3	2	7	4	3	9	2	21	6	6.0
	18	11.7	79	14.2	98	1000.9	24	18	5	5	3	6	3	2	6	0	2	8	6.2
5	0	12.0	79	14.2	98	1001.9	26	10	3			6					2	2	.
	6	11.3	87	14.2	98	1001.9	20	13	4	2	1	7	2	3	7		2	6	.8
	12	13.6	66	14.4	98	1003.3	22	9	3	2	1	8	3	2	0	7	2	8	.2
	18	14.6	66	14.5	98	1004.8	29	4	2		0	6	3	1	7	5	2	2	.2
6	0	12.9	77	14.6	98	1005.2	24	7	3			5					2	2	.
	6	12.6	83	14.3	98	1004.8	29	20	5	4	3	7	4	9	2		2	8	.0
	12	13.3	78	14.3	97	1006.1	28	20	5	4	3	8	6	3	2		81	6	2.0
	18	13.6	80	14.3	98	1008.8	29	22	6*	4	4	7	5	2	0	1	2	8	2.5
7	0	12.2	88	14.3	96	1008.9	29	22	6*			8					62	6	5.0
	6	12.6	84	14.3	98	1008.0	31	23	6*	4	4	8	6	7	2		25	8	7.0
	12	11.7	88	14.3	96	1010.5	30	24	6*	5	4	8	6	7	2		62	6	3.0
	18	12.4	74	14.3	98	1012.9	29	25	6*	5	5	7	7	2			2	8	4.0
8	0	11.7	83	14.3	98	1012.9	28	25	6*			7					2	6	.0
	6	13.6	85	14.2	98	1010.9	24	24	6*	5	5	7	7	8			2	2	.0
	12	13.5	78	14.4	97	1009.9	26	24	6*	5	4	7	4	2	3	6	2	6	1.0
	18	14.0	83	14.5	98	1008.2	27	20	5	5	4	6	5	2	0	1	1	2	.7
9	0	13.0	85	14.4	98	1006.9	28	13	4			5					2	2	.
	6	12.1	85	14.3	97	1005.9	32	11	4	2	1	8	6	7	2		61	2	.7
	12	12.0	82	14.3	98	1006.8	30	22	6*	5	4	8	6	7	2		2	8	1.0
	18	13.6	71	14.4	98	1008.1	31	18	5	5	3	8	7	7			2	6	1.5
10	0	12.1	92	14.4	98	1009.1	28	14	4			8					2	6	3.0
	6	12.3	91	14.4	98	1011.2	4	9	3		1	3	3	1	0	0	2	6	3.0
	12	13.9	74	14.6	98	1014.5	99	6	2		1	6	5	1	0	1	2	1	.
	18	14.8	81	14.8	98	1014.9	33	8	3		0	2	1	1	0	2	2	0	.

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Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	13.4	86	14.5	98	1014.9	30	7	3			2					2	0	.
	6	13.3	86	14.5	98	1014.8	34	8	3		0	5	5	1	0	0	2	2	.
	12	12.7	81	14.5	98	1015.9	33	6	2		1	6	6	5	0	0	2	2	.
	18	13.3	81	14.9	98	1015.7	34	9	3		1	5	5	5	0	0	2	1	.
12	0	11.7	87	14.7	98	1015.7	34	13	4			2					2	0	.
	6	12.9	84	14.6	98	1016.1	35	10	3	2	1	7	7	5			2	2	.
	12	11.6	86	14.7	98	1018.4	31	12	4	3	1	7	7	5			2	2	.
	18	16.3	51	14.8	98	1019.2	32	12	4	2	1	7	7	5			2	2	.
13	0	12.2	82	14.6	98	1021.2	29	12	4		1	8					2	2	.
	6	13.0	78	14.6	98	1022.0	31	13	4			8	8	5			2	2	.
	12	13.3	71	14.6	98	1024.0	30	13	4	3	1	8	8	5			2	2	.
	18	12.6	82	14.6	98	1024.1	30	10	3	3	1	8	8	5			2	2	.
14	0	12.5	82	14.6	98	1024.0	28	14	4		1	8					2	2	.
	6	11.8	81	14.5	97	1023.2	32	16	5	3	2	8	8	5			2	5	.
	12	13.4	77	14.6	97	1024.0	31	19	5	3	2	8	8	8			2	2	.0
	18	12.9	82	14.6	98	1023.8	33	20	5	4	3	8	8	5			2	8	.0
15	0	11.5	77	14.5	98	1024.1	32	18	5			8					2	2	.
	6	12.5	77	14.5	97	1022.8	32	24	6*	4	3	8	8	8			61	6	.
	12	12.8	70	14.5	98	1023.5	31	21	5	5	4	6	4	2	0	1	2	6	.0
	18	11.9	73	14.5	98	1022.0	29	22	6*	5	4	7	7	8	0	0	2	2	5.0
16	0	12.2	75	14.5	98	1019.9	27	18	5			8					2	2	.
	6	12.2	90	14.5	98	1016.2	32	17	5		2	7	4	7	2		2	6	13.0
	12	12.9	81	14.5	98	1017.8	31	17	5		2	4	4	3	0	0	2	6	.2
	18	12.6	73	14.5	98	1018.8	31	17	5		2	8	8	8			2	2	.2
17	0	11.1	83	14.5	98	1019.8	33	16	5			8					2	2	.
	6	12.2	72	14.4	98	1019.2	31	16	5		2	7	7	8			2	2	.
	12	13.0	67	14.5	98	1020.2	31	9	3		1	7	3	2	6	6	2	2	.
	18	13.9	62	14.5	98	1018.4	99	2	1		1	2	1	2	0	1	2	0	.
18	0	12.1	77	14.7	98	1016.8	17	5	2			6					2	2	.
	6	12.5	78	14.5	98	1013.5	13	12	4		1	3	0	0	0	4	2	2	.
	12	14.4	85	14.6	98	1012.8	99	1	1		0	8	8	0	5		2	2	.
	18	13.4	94	14.7	97	1010.8	0	0	0	0	0	8	8	0	2		60	6	.7
19	0	13.7	90	14.7	97	1009.2	24	7	3			8					21	6	1.0
	6	12.9	96	14.6	97	1008.8	33	16	5	2	1	8	4	7	2		60	6	2.0
	12	13.8	80	14.6	98	1010.0	29	18	5	3	2	7	3	7	2	0	2	6	.5
	18	14.0	83	14.7	98	1009.0	27	21	5	3	3	7	7	8			2	6	.5
20	0	13.3	90	14.7	97	1006.5	24	24	6*			8					62	6	4.0
	6	13.7	88	14.7	95	1002.8	24	22	6*	3	3	8	6	7	2		64	6	5.0
	12	14.0	77	14.8	98	1002.3	30	18	5	4	2	7	7	3			2	6	4.0
	18	13.2	79	14.7	98	1006.8	31	22	6*	4	3	7	7	3			21	6	3.8

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Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	12.4	74	14.2	98	1008.9	31	26	6*			5					2	2	.
	6	12.8	77	14.7	98	1010.0	30	26	6*	6	5	5	5	3	0	0	2	2	.
	12	13.0	74	14.7	98	1013.0	31	26	6*	6	5	7	7	3			2	2	.
	18	13.5	77	14.7	98	1016.5	31	21	5	6	4	8	8	8			2	6	.4
22	0	12.2	76	14.7	98	1018.8	30	14	4			8					2	2	.
	6	13.0	76	14.7	98	1020.0	26	12	4		1	5	3	2	0	1	2	2	.
	12	15.7	79	14.7	98	1020.0	20	12	4		1	4	0	0	0	5	2	2	.
	18	16.0	82	14.7	97	1020.0	25	15	4	2	1	7	0	0	0	1	2	2	.
23	0	14.9	88	14.7	98	1019.2	21	15	4			4					2	2	.
	6	14.8	82	14.7	98	1018.0	20	18	5	3	1	8	8	5			2	2	.
	12	16.5	76	14.8	98	1018.5	24	14	4	3	1	8	6	0	2		2	2	.
	18	16.3	86	15.5	97	1017.2	23	4	2	0	0	8	8	0	1		2	2	.
24	0	15.7	83	14.8	98	1016.7	19	16	5			6					2	2	.
	6	15.6	87	14.9	98	1015.8	19	19	5	2	1	7	7	5			2	2	.
	12	16.8	85	14.9	98	1016.5	23	14	4	2	2	6	6	0	3	0	2	2	.
	18	15.4	89	15.0	98	1017.2	27	10	3	2	1	4	4	0	3	0	1	2	.
25	0	14.6	91	15.0	98	1018.0	22	5	2			4					2	2	.
	6	14.5	95	15.0	97	1018.6	27	4	2	0	0	6	2	5	3	0	2	2	.
	12	15.8	91	15.5	97	1019.0	18	9	3	0	0	6	0	0	0	1	2	2	.
	18	15.8	87	15.2	97	1017.5	10	13	4	2	1	4	0	0	0	5	2	2	.
26	0	16.3	78	15.1	98	1015.8	13	19	5			2					1	1	.
	6	15.7	81	15.2	98	1012.2	14	17	5	3	2	4	0	0	0	5	2	2	.
	12	18.1	84	15.2	96	1008.8	12	17	5	3	2	7	0	0	0	2	10	2	.
	18	17.5	89	15.8	96	1009.1	27	11	4	2	1	8	4	3	2		10	9	9.5
27	0	16.2	88	15.7	98	1012.5	21	13	4			2					1	6	7.0
	6	15.3	94	15.5	96	1015.5	21	9	3	2	1	6	0	0	0	1	10	1	.0
	12	17.4	88	15.6	96	1019.7	17	9	3	3	1	8	8	0	1		10	4	.
	18	18.4	83	17.2	96	1019.9	5	3	1	0	0	8	0	0	0	6	10	2	.
28	0	16.0	96	15.6	96	1020.9	12	9	3			6					10	2	.
	6	16.1	93	15.5	95	1020.9	18	7	3	0	0	6	0	0	0	6	10	2	.
	12	19.7	82	16.7	96	1021.9	13	9	3	0	0	6	0	0	0	6	10	2	.
	18	18.1	90	17.3	95	1022.8	6	7	3	0	0	7	7	0	5		10	2	.
29	0	16.4	92	16.0	96	1024.1	9	9	3			5					10	2	.
	6	17.3	90	16.9	95	1024.1	4	11	4	0	0	6	0	0	0	6	10	2	.
	12	17.3	92	17.0	96	1024.8	1	10	3		1	8	0	0	0	7	10	2	.
	18	17.7	90	17.5	96	1022.5	3	11	4	2	1	7	7	2			10	2	.
30	0	17.3	95	17.0	96	1021.1	9	13	4			8					10	2	.
	6	17.5	90	16.7	96	1019.2	11	15	4	3	2	7	0	0	0	6	10	2	.
	12	18.6	83	16.8	96	1017.2	8	22	6*	3	2	7	0	0	0	6	10	2	.
	18	19.0	87	16.7	96	1013.8	10	19	5	3	2	7	0	0	0	6	10	2	.
31	0	18.3	93	16.6	96	1013.5	12	19	5			5					10	2	.
	6	17.9	80	16.6	97	1012.5	11	19	5	3	2	7	0	0	0	6	2	2	.
	12	18.7	85	17.0	96	1012.3	9	15	4	3	2	4	0	0	0	5	10	2	.
	18	19.1	84	17.1	96	1010.9	9	19	5	3	2	6	0	0	0	6	10	2	.

1978 AUGUST FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	18.2	93	17.4	96	1011.6	10	17	5			8					10	2	.
	6	18.5	90	17.3	95	1012.1	21	13	4	0	0	8	6	0	1	1	10	2	.
	12	21.4	79	18.2	96	1014.9	0	0	0	0	0	5	0	0	0	2	10	2	.
	18	18.6	89	18.7	95	1015.0	6	5	2	0	0	8	8	6			51	2	.5
2	0	17.7	95	18.0	96	1014.1	4	7	3			8					10	5	.1
	6	16.7	97	17.8	96	1012.6	17	7	3		1	8	6	7	2		61	6	7.5
	12	16.8	91	17.4	96	1012.2	9	10	3	2	1	8	8	6			10	6	6.0
	18	17.3	88	17.0	98	1011.6	24	11	4	2	1	8	4	7	7		2	6	10.0
3	0	17.1	84	17.4	98	1011.5	20	5	2			3					2	2	.
	6	16.0	95	17.3	97	1010.5	19	13	4	2	1	8	6	0	1	1	2	2	.
	12	15.9	87	16.8	97	1010.9	22	11	4	3	2	8	5	7	2		60	6	1.0
	18	15.5	96	16.7	96	1010.1	20	9	3	2	1	8	4	3	2		95	9	17.0
4	0	15.6	88	16.4	97	1011.0	26	13	4			6					2	9	.1
	6	15.5	93	16.1	97	1011.0	24	15	4	3	2	7	3	3	2		21	6	16.4
	12	16.6	81	16.2	97	1012.8	26	17	5	4	3	7	7	8			2	2	.
	18	15.7	85	16.2	97	1014.0	25	19	5	4	3	7	7	8			2	5	.0
5	0	15.2	90	16.0	97	1015.0	26	19	5			8					61	2	.4
	6	16.3	86	16.0	98	1014.5	26	15	4	3	2	6	2	0	3	4	2	6	.5
	12	16.4	88	16.3	98	1014.9	25	19	5	3	2	8	8	6			20	5	.0
	18	16.5	83	16.3	98	1014.8	27	13	4	3	2	6	3	2	0	2	2	2	.0
6	0	16.2	85	16.5	98	1013.7	21	15	4			0	0	0	0	0	1	1	.
	6	15.0	91	16.4	98	1011.0	21	19	5	3	2	6	2	2	0	9	3	1	.
	12	17.8	79	16.6	98	1010.1	23	13	4	4	2	7	4	2	6	9	2	2	.
	18	14.0	95	16.6	97	1007.7	99	3	1		0	8	8	0	2		60	6	2.5
7	0	14.6	90	16.5	98	1006.8	20	17	5			2					2	6	1.0
	6	14.7	90	16.5	96	1004.5	18	13	4	2	1	8	3	2	2		10	1	1.0
	12	15.4	77	16.5	98	1003.8	22	13	4	2	2	6	2	2	6	2	2	6	8.0
	18	16.2	77	16.7	98	1004.1	27	13	4	3	2	4	4	2	0	0	2	2	7.6
8	0	14.7	86	16.6	98	1003.5	24	9	3			2					1	1	.
	6	15.2	86	16.6	98	1003.5	33	17	5	3	2	6	4	2	0	5	3	8	.0
	12	15.8	80	16.6	98	1005.1	28	17	5	4	2	6	2	3	6	4	2	2	.
	18	16.0	78	16.8	98	1007.1	27	13	4	3	2	5	3	1	0	4	2	2	.
9	0	14.9	85	16.6	98	1008.8	28	13	4			3					2	0	.
	6	15.3	80	16.7	98	1010.0	29	9	3	2	1	6	3	2	0	1	3	1	.
	12	16.7	80	16.9	98	1011.9	29	9	3	4	1	6	1	1	0	6	2	2	.
	18	17.4	80	17.0	98	1013.5	30	11	4	3	1	6	1	2	0	6	1	2	.
10	0	16.1	91	16.8	98	1015.3	99	5	2			0	0	0	0	0	1	1	.
	6	16.2	86	16.8	98	1016.6	36	13	4	3	2	6	2	1	0	6	2	2	.
	12	15.8	79	16.9	98	1018.9	34	17	5	4	2	7	7	8			2	2	.
	18	15.0	75	16.9	98	1019.8	33	17	5	4	3	8	8	5			2	2	.

1978 AUGUST FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	13.7	80	16.8	98	1020.8	33	22	6*			8					2	2	.
	6	14.4	81	16.7	98	1020.8	32	17	5	5	5	7	2	7	7		2	2	.
	12	14.8	74	16.8	98	1021.9	31	22	6*	5	4	7	7	8			21	6	4.0
	18	14.4	82	16.7	98	1021.2	31	19	5	5	4	7	4	2	7		2	8	5.0
12	0	14.2	71	16.7	98	1021.6	32	15	4			8					2	5	.0
	6	14.6	79	16.7	98	1021.0	30	17	5	5	3	8	8	0	2		2	6	.0
	12	16.0	77	16.7	97	1020.9	26	17	5	4	2	8	5	7	2		61	2	.0
	18	16.2	84	16.7	97	1019.2	27	17	5	4	3	8	5	7	2		2	6	.0
13	0	15.1	89	16.7	97	1019.0	28	13	4			8					2	2	.
	6	15.9	88	16.7	96	1017.9	99	3	1		0	7	7	0	5		10	2	.
	12	16.6	75	17.0	97	1018.7	99	1	1		0	7	7	0	5		2	2	.
	18	17.3	73	17.8	96	1017.0	10	7	3	0	0	8	0	0	0	6	10	2	.
14	0	15.6	91	17.2	96	1015.9	24	13	4			5					10	2	.
	6	16.1	84	16.8	97	1014.5	22	15	4	2	1	8	8	0	2		61	2	.0
	12	15.8	86	16.8	97	1013.9	24	20	5	4	3	8	5	7	2		60	6	1.0
	18	16.7	82	17.0	98	1012.1	23	22	6*	4	3	7	7	5			2	2	1.1
15	0	16.6	87	16.8	98	1010.8	20	15	4			5					2	2	.
	6	16.9	80	16.8	98	1008.7	19	18	5	3	2	6	0	0	0	1	2	2	.
	12	19.1	81	17.1	97	1006.4	17	15	4	3	2	3	0	0	0	2	2	0	.
	18	18.3	81	17.3	97	1005.9	24	15	4	3	2	7	4	0	3	2	3	1	.
16	0	16.6	87	17.1	98	1008.2	22	22	6*			3					2	0	.
	6	16.4	87	17.0	98	1010.1	20	22	6*	3	3	7	4	3	0	1	2	2	.
	12	15.6	82	17.1	98	1012.2	25	20	5	4	3	6	6	3	0	0	80	8	6.0
	18	16.3	78	17.2	98	1014.5	25	18	5	4	3	2	2	3	0	0	3	8	5.7
17	0	16.1	85	16.7	98	1015.4	22	14	4			5					2	1	.
	6	14.8	91	16.9	97	1015.5	25	20	5	3	3	8	8	3			61	6	.2
	12	14.5	75	16.7	98	1018.8	28	20	5	4	4	6	6	3	0	0	2	1	.0
	18	13.5	78	16.8	98	1020.0	30	22	6*	4	4	6	6	3	0	2	2	6	3.0
18	0	13.8	80	16.8	98	1022.8	33	16	5			2					25	8	.1
	6	13.8	75	16.7	98	1023.8	32	12	4	3	3	5	5	5	0	0	2	8	.1
	12	15.0	71	16.7	98	1025.9	30	5	2		1	4	4	1	0	0	3	2	.0
	18	16.2	67	17.1	98	1025.9	0	0	0	0	0	0	0	0	0	0	2	0	.
19	0	14.2	69	17.0	99	1025.9	13	7	3			1					2	0	.
	6	14.2	88	16.9	98	1025.5	14	13	4		1	2	0	0	0	2	3	0	.
	12	17.4	72	16.8	98	1025.2	12	5	2	0	0	1	0	0	0	2	2	0	.
	18	17.3	78	17.1	98	1022.9	7	19	5	2	2	1	0	0	0	2	2	0	.
20	0	16.1	85	16.8	98	1022.0	12	16	5			1					2	0	.
	6	16.6	78	16.8	98	1020.0	15	14	4	2	2	0	0	0	0	0	2	0	.
	12	17.7	81	16.9	98	1019.8	13	10	3	2	2	1	0	0	0	2	2	0	.
	18	18.4	88	17.3	98	1018.9	9	4	2			4	0	0	0	5	2	1	.

1978 AUGUST FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	17.9	78	16.6	98	1018.5	19	6	2	0	0	2					2	1	.
	6	17.2	88	16.9	96	1018.8	32	2	1	0	0	6	0	0	0	2	10	2	.
	12	16.3	86	17.3	92	1020.9	0	0	0	0	0	8	8	6			47	4	.
	18	16.5	87	17.4	96	1021.2	29	4	2	0	0	6	0	0	0	2	10	2	.
22	0	16.5	91	17.1	97	1021.2	22	10	3	0	0	5					2	1	.
	6	16.7	91	17.0	96	1019.1	20	18	5	2	2	4	0	0	0	5	10	1	.
	12	18.9	79	17.1	97	1018.8	24	16	5	2	2	7	7	0	3		3	2	.
	18	16.4	94	17.1	97	1018.8	28	16	5	2	2	8	8	0	2		20	5	.0
23	0	15.6	94	17.1	98	1019.1	32	16	5			7					21	6	8.0
	6	15.7	81	17.0	98	1021.8	34	14	4	2	2	6	5	3	0	1	2	2	8.5
	12	15.8	75	17.2	98	1024.5	30	10	3	2	2	2	0	0	0	2	2	0	.
	18	16.2	72	17.1	98	1025.8	35	13	4	2	2	5	5	0	3	0	2	2	.
24	0	15.2	72	17.2	98	1026.2	32	9	3			5					2	1	.
	6	13.4	80	17.0	98	1027.0	30	8	3		1	7	7	4			2	2	.
	12	15.6	81	17.2	98	1026.5	23	16	5		1	7	7	3			2	2	.
	18	15.6	68	17.1	98	1025.7	29	18	5		3	7	7	3			2	2	.
25	0	13.9	84	17.0	98	1024.5	30	18	5			8					2	2	.
	6	15.4	76	17.1	97	1023.8	29	20	5	3	4	8	8	3			60	6	.0
	12	15.1	62	17.1	98	1024.0	32	24	6*	4	5	6	6	3	0	0	2	8	.1
	18	14.8	69	17.0	98	1023.4	32	24	6*	4	5	4	4	3	0	0	2	2	.1
26	0	13.9	71	17.1	98	1022.5	32	30	7*			5					80	8	.0
	6	12.9	85	16.9	98	1021.9	32	28	7*	5	5	7	7	3			2	2	.0
	12	14.0	63	16.8	98	1023.1	33	24	6*	6	5	6	6	3	0	0	2	6	.1
	18	14.1	75	16.8	98	1021.8	31	26	6*	5	4	7	7	3			25	8	.2
27	0	13.6	76	16.9	98	1018.8	30	25	6*			8					25	8	.0
	6	13.8	69	16.8	98	1015.8	32	32	7*	6	5	6	6	3	0	0	2	8	.2
	12	12.6	74	16.8	98	1017.0	32	28	7*	8	6	6	5	3	0	2	25	8	.0
	18	13.4	65	16.8	98	1018.1	33	28	7*	8	6	4	4	3	0	0	2	8	.5
28	0	12.6	74	16.7	98	1019.2	32	26	6*			3					2	1	.
	6	12.4	70	16.7	98	1018.9	31	24	6*	6	5	6	6	3	0	0	2	8	.1
	12	13.8	89	16.6	98	1020.8	31	24	6*	5	4	7	7	3			25	8	.0
	18	13.7	84	16.6	98	1019.9	28	22	6*	4	4	8	8	3			2	8	.2
29	0	14.9	81	16.5	98	1018.5	26	24	6*			8					2	2	.0
	6	14.7	87	16.5	98	1016.8	29	18	5	3	2	8	8	3			2	6	.7
	12	14.6	87	16.5	98	1015.8	27	20	5		2	8	8	3			60	6	.1
	18	14.6	84	16.5	97	1014.0	31	24	6*	3	3	8	8	3			60	6	1.5
30	0	13.8	78	16.5	98	1013.8	34	23	6*			3					2	6	1.0
	6	13.2	64	16.5	98	1012.2	34	24	6*	5	4	6	6	3	0	0	25	8	1.0
	12	14.4	78	16.4	98	1012.9	32	28	7*	6	7	6	5	3	0	4	2	8	.1
	18	13.9	72	16.3	98	1012.5	34	28	7*	6	6	6	6	3	0	0	25	8	3.5
31	0	13.9	78	16.4	98	1013.3	33	24	6*			7					2	2	.
	6	13.2	78	16.3	98	1012.0	33	25	6*	6	5	7	7	3	0	0	2	6	.2
	12	14.7	77	16.2	97	1012.0	32	22	6*	5	4	7	7	3	0	0	60	6	.1
	18	14.0	72	16.2	98	1010.9	33	18	5	4	4	7	7	3	0	0	2	8	.4

1978 SEPTEMBER FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	13.6	77	16.1	98	1010.0	33	16	5			8					2	6	6.0
	6	13.8	72	16.1	98	1008.4	32	20	5	3	3	7	7	3			2	6	6.0
	12	14.3	64	16.1	98	1008.5	33	20	5	3	3	5	5	3	0	0	2	2	.0
	18	14.0	73	16.1	98	1007.9	33	14	4		3	3	3	3	0	0	1	1	.0
2	0	13.0	79	16.1	98	1008.2	33	20	5			4					2	1	.
	6	13.2	81	16.0	98	1008.0	32	20	5		3	5	5	3	0	0	2	6	1.0
	12	14.0	73	16.0	98	1008.7	30	26	6*	4	4	6	6	3	0	0	2	2	.
	18	13.1	68	16.0	98	1009.3	33	28	7*	5	5	7	7	3			2	8	.0
3	0	11.2	80	16.0	96	1009.4	31	22	6*			8					62	6	7.0
	6	12.6	76	15.9	98	1009.5	32	24	6*	4	4	4	4	3	0	0	2	6	15.0
	12	12.9	75	15.9	98	1012.1	30	25	6*	4	4	6	6	3	0	0	2	2	.0
	18	13.5	66	15.9	98	1011.8	31	26	6*	5	4	5	4	3	0	2	2	2	.0
4	0	12.8	75	15.9	98	1010.2	31	26	6*			3					2	1	.
	6	13.7	68	15.9	98	1009.0	31	30	7*	6	5	5	5	3	0	0	2	8	.0
	12	13.1	66	15.7	98	1009.9	30	28	7*	6	7	7	7	3			2	2	.
	18	13.6	67	15.6	98	1008.8	30	23	6*	6	6	8	8	3			2	2	.
5	0	13.8	75	15.6	98	1007.8	30	26	6*			8					21	6	.3
	6	13.6	85	15.6	98	1006.9	32	22	6*	3	3	8	8	3			60	6	.9
	12	14.3	83	15.5	98	1008.3	31	16	5		2	6	5	3	0	4	2	6	.0
	18	14.7	77	15.6	98	1008.9	34	9	3	4	3	5	3	4	3	0	2	2	.0
6	0	14.2	82	15.6	98	1009.4	99	2	1			3					2	1	.
	6	14.3	81	15.6	97	1008.7	9	4	2	4	1	8	5	7	2		61	1	.2
	12	15.4	76	15.7	98	1008.9	14	5	2		1	6	6	2	0	0	2	5	1.0
	18	14.6	80	15.6	98	1008.6	6	11	4		0	8	8	0	2		3	5	1.2
7	0	14.6	82	15.6	98	1008.9	8	12	4			5					2	2	.
	6	14.3	84	15.6	98	1008.8	12	8	3	2	1	6	3	0	3	9	2	2	.
	12	15.4	76	15.7	97	1009.9	14	7	3	3	1	8	0	0	0	7	2	1	.
	18	15.7	80	15.8	97	1010.2	10	12	4	3	2	7	4	0	3	9	2	2	.
8	0	15.3	93	15.6	96	1011.4	24	9	3			7					10	2	.
	6	15.4	90	15.6	96	1012.8	22	8	3	3	2	8	8	0	2		10	2	.
	12	14.8	82	15.7	98	1015.2	28	10	3	3	2	5	3	0	9	1	2	2	.
	18	14.8	85	15.7	98	1016.4	24	6	2	3	2	6	1	1	0	1	2	2	.
9	0	14.7	85	15.7	98	1014.7	18	18	5			5					2	2	.
	6	15.4	93	15.7	96	1009.8	21	17	5	4	3	8	6	7	2		61	6	1.5
	12	15.4	87	15.8	97	1011.9	27	22	6*	4	3	7	7	8			2	2	.0
	18	15.6	84	15.7	98	1013.6	25	19	5	5	4	7	7	0	7		1	2	.0
10	0	14.6	84	15.7	96	1013.9	26	23	6*			8					10	6	3.0
	6	15.6	93	15.7	97	1008.8	25	24	6*	5	4	8	6	7	2		61	6	9.0
	12	17.2	88	15.6	97	1007.1	26	34	8**	5	6	8	2	7	2		2	6	5.0
	18	16.8	93	15.8	96	1007.9	26	23	6*	5	5	8	8	6			50	6	5.4

1978 SEPTEMBER FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	Tw	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	17.2	90	15.8	96	1004.3	25	30	7*			8					10	6	11.0
	6	16.9	91	15.7	97	999.9	26	30	7*	5	5	8	8	0	2		2	6	15.0
	12	15.8	81	15.8	97	999.9	27	34	8**	5	6	7	7	2			1	6	3.0
	18	15.1	75	15.8	98	998.9	29	32	7*	6	7	5	5	2	0	0	25	8	9.5
12	0	13.6	78	15.6	98	1004.9	32	38	8**			5					81	8	5.0
	6	12.8	83	15.5	98	1010.9	31	34	8**	6	8	7	7	2			80	8	7.2
	12	13.6	76	15.6	98	1017.9	32	30	7*	6	6	7	7	2			80	8	1.0
	18	13.8	68	15.6	98	1021.8	30	26	6*	6	6	6	4	2	6	0	2	8	1.6
13	0	13.1	82	15.5	97	1015.2	29	17	5			8					2	2	.
	6	13.8	88	15.5	96	1018.9	24	22	6*	4	3	8	8	6			50	5	.6
	12	15.7	89	15.6	97	1018.8	26	19	5	4	3	7	7	8			1	6	2.0
	18	16.4	88	15.6	97	1017.9	24	17	5	4	3	8	8	0	2		2	2	1.8
14	0	16.2	89	15.6	97	1015.2	21	19	5			8					2	2	.
	6	13.8	93	15.5	96	1011.2	24	22	6*	4	4	8	6	7	2		60	6	.7
	12	13.6	86	15.6	97	1011.3	30	12	4	3	3	8	8	0	2		21	6	14.0
	18	14.7	76	15.5	98	1012.9	30	22	6*	4	4	6	4	2	0	1	1	6	14.0
15	0	14.7	74	15.5	98	1014.9	28	20	5			5					2	2	.
	6	14.6	79	15.5	98	1012.2	24	29	7*	4	4	7	4	2	6		2	2	.
	12	15.2	81	15.4	97	1009.1	25	38	8**	5	7	7	5	9	0	1	2	2	.
	18	13.8	75	15.4	98	1013.3	30	39	8**	6	9	5	5	2	0	0	2	2	9.0
16	0	14.0	78	15.4	98	1019.3	30	22	6*			6					2	2	.
	6	14.4	82	15.3	98	1019.9	27	18	5	4	3	7	7	0	7		2	2	.
	12	16.2	76	15.2	97	1020.6	25	18	5	4	4	7	4	2	9		2	2	.
	18	15.6	84	15.3	98	1016.9	23	28	7*	5	5	7	7	4			1	2	.
17	0	16.0	88	15.4	98	1013.9	24	28	7*			2					2	0	.
	6	14.4	78	15.3	98	1015.2	29	28	7*	5	6	6	4	3	0	0	2	2	.
	12	14.2	79	15.3	98	1018.2	29	22	6*	5	5	7	4	2	6		2	2	.
	18	13.0	79	15.3	98	1021.1	33	24	6*	5	4	6	6	2	0	0	2	2	.
18	0	13.9	69	15.2	98	1021.9	30	18	5			6					2	2	.
	6	13.6	75	15.2	98	1021.9	32	18	5	5	5	6	6	2	0	0	2	2	.
	12	13.6	71	15.2	98	1022.1	29	22	6*	4	4	7	5	2	5		2	2	.
	18	13.9	72	15.2	98	1019.9	30	25	6*	4	4	7	7	2			2	2	.
19	0	12.9	82	15.2	98	1017.9	29	24	6*			6					2	2	.
	6	12.8	86	15.1	98	1015.9	31	30	7*	5	5	8	6	7	2		80	8	1.5
	12	12.0	84	15.1	98	1018.6	33	31	7*			3	3	2	0	0	1	8	6.0
	18	12.4	70	15.0	98	1021.9	33	28	7*			5	5	2	0	0	2	1	5.5
20	0	12.2	73	14.9	98	1024.3	35	22	6*			7					2	2	.
	6	12.6	71	14.9	98	1025.6	31	19	5			7	7	5			2	2	.
	12	11.8	62	14.8	98	1026.9	31	19	5		2	6	6	1	0	0	2	2	.
	18	13.8	86	14.9	98	1024.2	26	22	6*	4	3	8	8	0	2		2	2	.

1978 SEPTEMBER FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	14.3	93	14.9	98	1022.5	29	24	6*			8					2	6	.0
	6	13.9	84	14.9	98	1023.0	32	26	6*	5	4	8	8	5			2	6	.0
	12	13.8	77	14.8	98	1025.2	33	31	7*	6	5	7	7	5			2	2	.
	18	13.6	83	14.8	98	1026.9	32	20	5	6	5	5	1	1	0	1	2	2	.
22	0	14.5	91	14.8	98	1026.2	25	19	5			6					2	2	.
	6	14.9	92	14.8	97	1021.6	26	20	5	4	3	8	8	0	2		60	6	1.0
	12	13.7	96	14.8	96	1018.0	28	27	6*	4	4	8	8	0	2		62	6	10.0
	18	14.3	98	14.8	96	1014.3	28	23	6*	4	3	8	8	0	2		50	5	14.0
23	0	14.9	89	14.8	98	1013.5	31	23	6*			8					2	6	.0
	6	12.2	93	14.8	97	1016.2	33	18	5		3	8	8	0	2		60	6	.6
	12	13.7	84	14.8	98	1019.2	32	13	4	4	2	8	8	5			2	2	.0
	18	14.3	89	14.9	98	1018.5	26	12	4		1	7	7	5			2	6	.6
24	0	14.6	96	14.8	96	1016.8	24	18	5			8					10	5	.0
	6	15.4	91	14.8	96	1014.1	25	17	5	3	2	8	8	0	2		10	5	.0
	12	15.4	91	14.8	97	1014.2	25	22	6*	3	3	7	7	5			2	2	.
	18	15.2	92	14.8	97	1014.2	24	19	5	3	3	7	7	5			2	2	.
25	0	15.4	94	14.8	97	1012.5	24	19	5			8					2	2	.
	6	14.7	94	14.8	97	1012.3	28	14	4	3	3	8	4	7	2		60	6	.6
	12	13.2	90	14.8	98	1015.8	25	21	5	3	2	7	2	2	3	0	2	6	2.0
	18	14.0	69	14.9	98	1019.4	29	25	6*	5	4	4	4	2	0	0	2	6	2.3
26	0	13.6	72	14.8	98	1021.8	28	19	5			2					2	0	.
	6	13.4	71	14.8	98	1019.8	26	19	5	3	3	3	3	4	0	0	2	0	.
	12	12.6	82	14.8	98	1018.0	25	24	6*	4	3	7	2	2	0	4	2	2	.
	18	11.7	91	14.8	98	1015.1	27	23	6*	5	4	5	5	3	0	0	80	8	9.0
27	0	11.3	80	14.8	98	1014.2	27	20	5			3					2	8	3.0
	6	12.1	81	14.8	98	1011.5	26	20	5	5	3	4	4	2	0	0	2	8	4.8
	12	13.3	80	14.7	97	1010.8	33	9	3		1	8	8	9			81	8	4.0
	18	11.2	80	14.7	98	1009.2	29	19	5		1	3	3	3	0	0	2	9	7.5
28	0	10.3	84	14.7	98	1010.5	30	15	4			6					81	8	2.0
	6	11.5	79	14.6	98	1010.1	32	20	5	5	3	4	4	3	0	0	2	8	4.1
	12	10.5	91	14.6	98	1012.0	27	12	4			6	6	3	0	0	80	8	1.0
	18	11.5	79	14.6	98	1010.2	99	4	2		0	8	1	2	0	9	2	8	1.1
29	0	11.7	87	14.6	97	1006.8	17	15	4			8					60	2	.0
	6	10.4	95	14.5	97	1000.8	14	28	7*	3	3	8	6	7	2		61	6	7.6
	12	12.8	88	14.5	98	997.8	25	18	5	3	3	6	6	2	0	0	2	8	15.0
	18	11.4	94	14.5	98	997.5	26	17	5	4	3	7	7	9			25	8	17.6
30	0	13.3	78	14.5	98	996.1	26	22	6*			5					2	6	6.0
	6	10.4	92	14.5	95	995.7	22	30	7*	5	4	8	8	9			64	6	14.0
	12	11.0	88	14.5	98	996.1	18	22	6*	3	3	7	7	2			2	6	.2
	18	10.8	87	14.5	98	998.8	13	11	4		2	8	8	4			2	6	1.4

1978 OKTOBER FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	10.7	87	14.5	98	1003.8	8	25	6*			8					2	2	.
	6	11.8	78	14.5	98	1008.8	7	36	8**	4	5	8	8	8			2	2	.
	12	12.1	83	14.5	98	1015.6	5	29	7*	6	5	4	4	2	0	0	2	2	.
	18	12.3	76	14.5	98	1019.0	6	24	6*	6	4	5	5	2	0	0	2	2	.
2	0	11.3	83	14.5	98	1021.8	9	15	4			4					2	2	.
	6	9.9	86	14.4	98	1022.7	11	12	4	2	1	7	4	1	0	1	2	2	.
	12	9.7	83	14.3	97	1023.5	13	7	3		1	8	8	5			2	2	.
	18	10.2	82	14.2	97	1022.0	17	9	3			8	3	5	5	1	2	1	.
3	0	10.1	80	14.2	97	1021.2	16	14	4			8					2	2	.
	6	9.5	93	14.1	97	1019.5	19	13	4	2	1	8	8	0	2		2	2	.
	12	9.6	87	14.1	97	1019.2	18	17	5	2	1	5	5	5	0	0	2	2	.
	18	10.7	86	14.1	96	1017.9	21	14	4	3	1	8	8	0	2		10	2	.
4	0	13.2	74	14.1	98	1017.9	32	15	4			8					2	2	.
	6	12.2	77	14.1	98	1017.3	32	12	4	2	1	3	3	1	0	0	2	0	.
	12	12.8	64	14.1	98	1017.3	29	20	5	4	3	3	3	1	0	0	2	0	.
	18	11.4	74	14.1	98	1017.9	30	20	5	5	4	7	7	2			80	8	.5
5	0	11.8	69	14.0	98	1019.1	32	24	6*			3					1	8	2.0
	6	12.8	74	14.0	98	1018.8	27	24	6*	4	3	8	3	7	2		3	8	2.4
	12	14.2	85	14.0	96	1014.2	25	33	7*	5	5	8	6	7	2		60	6	1.0
	18	14.6	88	14.2	96	1013.0	26	34	8**	6	6	8	6	7	2		10	6	1.4
6	0	14.3	89	14.2	97	1013.3	27	38	8**			8					62	6	3.0
	6	14.8	86	14.2	97	1015.9	27	30	7*	6	6	8	8	0	2		2	6	3.5
	12	15.1	88	14.2	97	1019.4	27	19	5	5	4	7	7	0	5		2	6	1.0
	18	14.7	91	14.2	97	1022.2	27	16	5		2	4	2	0	4	9	2	0	.8
7	0	13.2	96	14.2	91	1023.3	26	16	5			8	8	6			47	4	.
	6	12.7	97	14.2	92	1023.9	20	12	4			8	8	6			47	4	.
	12	13.5	90	14.3	96	1023.8	19	15	4	2	1	8	8	6			10	4	.
	18	14.1	89	14.3	96	1021.9	14	11	4			8	8	0	1		10	2	.
8	0	13.6	90	14.2	96	1019.9	16	12	4			6					10	2	.
	6	12.2	90	14.1	96	1018.2	19	9	3	2	1	2	0	0	0	2	10	2	.
	12	13.1	88	14.3	96	1018.2	18	11	4	3	1	3	0	0	0	2	10	0	.
	18	14.6	91	14.3	96	1017.2	18	12	4	2	1	6	5	0	7	1	10	1	.
9	0	14.4	89	14.2	96	1016.4	20	18	5			4					10	1	.
	6	13.3	89	14.2	96	1015.4	19	18	5	3	2	7	7	0	2		10	1	.
	12	14.7	91	14.2	95	1016.7	22	15	4	3	2	8	8	6			10	6	.0
	18	14.6	91	14.3	96	1017.3	20	14	4	3	2	8	5	7	2		60	5	1.8
10	0	13.7	90	14.1	96	1018.8	16	7	3			8					10	6	.0
	6	14.4	88	14.3	97	1018.8	12	12	4	3	1	8	8	0	2		2	5	.0
	12	15.0	90	14.4	96	1020.2	12	13	4	3	1	7	0	0	0	2	10	2	.
	18	15.4	92	14.4	95	1020.9	9	15	4	3	1	8	8	0	1		10	2	.

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Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	14.7	91	14.3	96	1022.9	13	17	5			8					10	2	.
	6	14.6	90	14.4	96	1023.9	15	14	4	3	1	6	6	0	7	0	10	2	.
	12	15.9	81	14.4	96	1025.7	13	7	3	2	1	3	0	0	0	5	10	0	.
	18	15.4	91	14.4	96	1025.1	12	14	4	3	1	3	0	0	0	2	10	0	.
12	0	14.7	90	14.3	96	1026.6	15	15	4			2					10	0	.
	6	14.2	89	14.3	96	1026.6	18	12	4	3	1	4	0	0	0	5	10	1	.
	12	14.7	89	14.4	96	1028.1	12	9	3	2	1	4	0	0	0	5	10	2	.
	18	15.7	87	14.5	96	1026.9	14	14	4	2	1	4	0	0	0	5	10	2	.
13	0	15.2	86	14.4	96	1026.4	14	17	5			3					10	0	.
	6	14.2	89	14.3	91	1025.0	15	12	4	3	1	3	0	0	0	2	44	4	.
	12	14.6	82	14.5	96	1024.1	13	11	4	2	1	2	0	0	0	1	10	0	.
	18	14.9	91	14.3	94	1021.9	15	9	3			8					10	1	.
14	0	14.0	94	14.4	95	1020.9	21	5	2			8					10	2	.
	6	12.7	95	14.4	91	1019.9	25	9	3			8	8	6			47	4	.
	12	13.2	85	14.3	96	1020.6	27	9	3	2	1	8	8	0	2		10	4	.
	18	12.6	85	14.4	96	1020.6	24	8	3			8					10	4	.
15	0	12.6	86	14.3	97	1021.0	21	5	2			8					2	2	.
	6	12.8	84	14.3	97	1020.1	99	3	1			8					2	2	.
	12	11.8	93	14.3	95	1020.3	18	11	4	2	1	8	8	6			51	2	.0
	18	12.4	93	14.3	96	1018.1	19	18	5			8					10	5	.0
16	0	13.2	91	14.3	95	1014.9	20	18	5			8					10	5	.5
	6	12.8	86	14.3	98	1012.6	26	30	7*			7					2	6	4.2
	12	12.5	67	14.2	98	1011.9	26	24	6*	4	5	7	5	3	6		2	8	1.0
	18	11.6	80	14.2	98	1006.9	22	32	7*			8					95	8	1.0
17	0	9.4	81	14.1	98	1004.9	26	13	4			6					27	8	10.0
	6	8.6	77	13.9	98	1002.9	30	14	4			5					25	8	12.0
	12	8.8	80	13.9	98	1003.1	33	19	5	4	2	7	5	9	6		87	8	.0
	18	10.0	66	13.9	98	1008.2	1	12	4			7					2	8	7.5
18	0	10.6	74	13.9	98	1013.1	34	18	5			6					2	8	.4
	6	10.7	82	13.9	98	1017.2	35	22	6*			7					25	8	2.2
	12	11.2	67	13.9	98	1020.7	34	18	5	5	3	7	7	3			2	8	.6
	18	10.6	74	13.9	98	1023.0	32	12	4			6					2	8	.6
19	0	12.2	65	13.8	98	1024.0	30	15	4			6					2	8	.1
	6	12.0	82	13.8	98	1025.0	28	18	5			7					2	8	.1
	12	11.4	92	13.8	97	1025.8	99	3	1		1	8	8	2			62	6	7.0
	18	12.1	83	13.7	98	1024.8	25	15	4			6					2	6	7.4
20	0	12.2	80	13.7	98	1021.8	27	19	5			8					2	6	.0
	6	12.5	83	13.7	98	1018.0	24	20	5			8					2	6	.1
	12	13.1	84	13.7	97	1015.8	26	24	6*	5	4	8	8	2			60	6	.0
	18	11.4	80	13.7	98	1016.5	33	31	7*			7					2	6	1.5

1978 OKTOBER FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	9.8	68	13.7	98	1018.9	35	28	7*			5					2	6	.5
	6	8.8	79	13.6	98	1020.5	34	29	7*			7					2	8	1.2
	12	8.8	70	13.6	98	1022.0	33	18	5	5	3	7	7	9	0	0	25	8	1.0
	18	9.6	75	13.5	98	1021.3	31	16	5			7					25	8	1.5
22	0	9.6	84	13.5	98	1017.8	27	17	5			8					2	2	.
	6	12.1	94	13.5	97	1011.4	28	20	5			8					62	6	3.6
	12	12.7	86	13.5	97	1011.3	32	22	6*	6	4	7	7	7			25	8	2.0
	18	11.7	65	13.5	98	1013.8	31	28	7*			7					2	8	2.8
23	0	10.3	71	13.4	98	1017.0	32	23	6*			7					2	6	.0
	6	10.9	76	13.4	98	1019.2	32	20	5			7					21	6	1.0
	12	12.3	69	13.3	98	1021.3	28	18	5		2	6	3	2	0	1	2	2	.
	18	12.1	76	13.3	98	1021.0	25	25	6*			6					2	2	.
24	0	12.5	88	13.2	97	1018.8	23	26	6*			5					2	2	.
	6	12.5	88	13.2	97	1016.1	25	32	7*			7					2	2	.
	12	13.6	87	13.2	98	1016.6	25	30	7*	6	5	8	8	6			21	5	.1
	18	13.7	88	13.2	97	1015.2	25	32	7*			8					21	6	.2
25	0	13.4	84	13.2	98	1016.3	30	30	7*			6					2	2	.0
	6	12.2	66	13.2	98	1017.5	29	28	7*			6					2	2	.0
	12	12.3	64	13.1	98	1021.0	30	28	7*	6	5	7	4	2	0	1	2	1	.
	18	11.2	76	13.0	98	1022.7	32	22	6*			7					25	8	.0
26	0	11.0	75	13.0	98	1024.1	33	18	5			4					2	2	.
	6	11.2	71	13.0	99	1024.9	33	16	5			5					2	2	.
	12	11.5	64	13.0	98	1027.5	34	17	5		2	4	4	2	0	0	2	0	.
	18	10.4	71	13.0	98	1028.8	34	14	4			5					2	2	.
27	0	10.2	72	12.9	99	1031.0	34	7	3			1					2	0	.
	6	11.0	72	12.9	99	1031.2	24	7	3			7					3	1	.
	12	11.2	93	12.9	96	1030.0	24	15	4	3	1	8	8	0	2		50	5	.3
	18	11.9	97	12.7	96	1028.0	32	18	5			8					50	5	2.3
28	0	10.7	79	12.7	98	1027.0	30	14	4			5					3	1	.
	6	13.2	62	12.7	98	1026.0	31	18	5			8					2	2	.
	12	12.4	85	12.8	98	1026.8	30	16	5	3	2	6	6	5	0	0	2	2	.
	18	12.8	80	12.8	98	1026.3	28	16	5			7					2	2	.
29	0	12.4	91	12.8	98	1026.4	27	18	5			8					2	2	.
	6	12.5	90	12.8	98	1025.5	26	16	5			8					2	2	.
	12	12.4	87	12.9	98	1025.8	27	19	5	3	2	8	8	5			2	2	.
	18	12.4	92	12.8	98	1025.5	28	17	5			6					2	2	.
30	0	12.2	93	12.8	97	1026.0	27	17	5			8					2	2	.
	6	12.7	85	12.8	97	1024.9	25	16	5			8					2	2	.
	12	11.6	88	12.8	97	1025.2	25	20	5	3	2	8	8	6			2	5	.0
	18	11.6	92	12.7	96	1023.8	23	19	5			8					20	5	.0
31	0	12.0	89	12.9	96	1023.2	23	20	5			8					10	2	.
	6	10.9	92	12.7	96	1023.2	22	21	5			8					10	2	.
	12	11.0	81	12.7	96	1024.2	21	19	5	3	2	8	8	6			10	2	.
	18	10.8	78	12.7	96	1024.8	21	15	4			7					10	2	.

1978 NOVEMBER FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	11.0	81	12.6	96	1025.7	21	19	5			8					10	2	.
	6	11.8	81	12.6	96	1027.9	23	13	4			8					10	2	.
	12	10.7	94	12.7	92	1030.7	19	12	4			8	8	6			47	4	.
	18	11.5	95	12.6	93	1031.3	20	13	4			8	8	6			45	4	.
2	0	10.9	94	12.6	96	1030.8	19	17	5			8					10	4	.
	6	10.5	88	12.6	96	1028.5	21	22	6*			5					10	2	.
	12	9.1	94	12.6	93	1026.8	23	20	5		3	8	8	6			47	4	.
	18	10.7	95	12.6	95	1024.9	21	27	6*			8					10	4	.
3	0	11.1	93	12.5	96	1025.6	24	17	5			8					10	4	.
	6	11.5	81	12.5	97	1026.9	99	5	2			2					2	0	2.4
	12	10.4	95	12.5	92	1026.6	21	18	5			8	8	6			47	4	.
	18	11.3	95	12.5	96	1024.9	21	19	5			8					10	4	.
4	0	12.5	88	12.5	96	1024.4	25	20	5			8					10	2	.
	6	12.6	90	12.5	96	1024.8	24	13	4			8					10	1	.
	12	11.4	94	12.4	95	1026.2	22	19	5	4	2	8	8	0	2		10	4	.
	18	11.8	93	12.5	96	1026.0	21	20	5			3					10	1	.
5	0	12.1	93	12.5	96	1026.4	21	22	6*			8					10	2	.
	6	12.0	94	12.5	95	1026.5	22	19	5			8					10	2	.
	12	12.6	93	12.5	95	1028.7	22	18	5	4	2	8	8	6			10	2	.
	18	12.5	92	12.5	96	1029.1	24	19	5			8					10	2	.
6	0	12.2	90	12.5	96	1030.3	25	11	4			8					10	2	.
	6	11.4	91	12.5	96	1030.8	27	11	4			8					10	2	.
	12	11.1	90	12.5	96	1032.1	23	3	1		0	8	8	0	2		10	2	.
	18	10.5	89	12.5	96	1031.0	13	7	3			8					10	2	.
7	0	8.7	92	12.4	96	1031.0	16	13	4			8					10	2	.
	6	7.5	91	12.4	96	1030.3	18	11	4			8					10	2	.
	12	7.4	87	12.0	96	1030.2	17	14	4	3	2	8	8	0	2		10	2	.
	18	7.5	90	12.3	96	1028.7	17	19	5			7					10	2	.
8	0	7.2	92	12.3	96	1027.2	18	17	5			1					10	0	.
	6	6.7	88	12.3	96	1026.0	19	20	5			2					10	0	.
	12	8.7	88	12.1	96	1026.7	19	16	5	4	2	6	0	0	0	2	10	2	.
	18	10.1	87	12.3	96	1027.3	21	19	5			5					10	2	.
9	0	11.0	94	12.3	95	1028.1	21	15	4			8					10	2	.
	6	11.5	94	12.3	95	1028.7	23	15	4			8					10	2	.
	12	10.7	95	12.2	92	1030.0	21	15	4	4	2	8	8	6			47	4	.
	18	10.9	94	12.2	96	1029.0	21	15	4			8					10	4	.
10	0	8.7	96	12.2	92	1028.5	18	16	5			8	8	6			45	4	.
	6	8.5	96	12.1	92	1026.5	20	11	4			8	8	6			45	4	.
	12	7.7	96	12.1	92	1026.1	22	9	3	3	1	8	8	6			47	4	.
	18	6.9	93	12.1	96	1024.7	19	11	4			7					10	4	.

1978 NOVEMBER FEUERSCHIFF "J/F 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	6.2	93	12.1	96	1025.8	23	13	4			8					10	2	.
	6	8.0	96	12.1	93	1025.8	22	17	5			8	8	6			45	2	.
	12	8.4	91	12.0	95	1027.4	21	14	4	4	2	8	8	6			10	4	.
	18	8.6	96	12.0	94	1027.5	21	13	4			8					51	2	.0
12	0	6.8	95	12.0	96	1026.7	17	15	4			8					10	5	.5
	6	3.6	94	11.9	93	1023.9	17	13	4			8	8	6			47	4	.5
	12	1.9	95	11.8	91	1021.7	17	18	5	4	2	8	8	6			45	4	.
	18	6.8	83	11.8	96	1017.0	19	22	6*			3					10	4	.
13	0	8.6	90	11.8	96	1015.2	20	33	7*			7					10	1	.
	6	9.5	87	11.8	97	1017.1	24	17	5			8					21	6	.9
	12	11.2	68	11.8	98	1021.2	27	20	5	4	3	8	4	7	2		2	2	.
	18	10.6	70	11.7	98	1023.8	25	26	6*			5					2	2	.
14	0	10.7	84	11.7	98	1025.4	23	28	7*			7					3	2	.
	6	10.2	93	11.7	97	1025.2	22	26	6*			5					2	2	.
	12	11.1	90	11.7	97	1023.8	22	32	7*	5	4	8	5	7	2		2	2	.
	18	10.9	94	11.7	96	1020.9	22	38	8**			8					10	2	.
15	0	12.3	84	11.7	96	1021.0	23	29	7*			8					10	2	.
	6	11.0	93	11.7	96	1019.2	23	33	7*			8					10	2	.
	12	9.6	88	11.7	96	1016.9	21	34	8**	6	6	8	3	2	2		10	2	.
	18	10.6	77	11.7	96	1010.9	21	38	8**			8					10	2	.
16	0	10.5	89	11.6	96	1006.8	22	33	7*			8					10	2	.
	6	9.8	61	11.6	98	1012.0	27	41	9**			3					1	1	.
	12	10.2	77	11.6	98	1018.9	27	35	8**	6	7	5	5	2	0	0	2	8	.0
	18	9.5	67	11.5	98	1021.5	25	27	6*			6					27	8	.2
17	0	11.4	79	11.5	97	1021.5	25	33	7*			8					61	2	.0
	6	11.3	87	11.5	98	1021.8	26	31	7*			3					1	1	1.3
	12																		.
	18	11.3	87	11.4	98	1024.0	23	20	5			8					2	2	1.4
18	0	10.6	92	11.4	97	1020.9	22	30	7*			8					25	8	.
	6	10.2	90	11.4	96	1017.3	22	34	8**			8					50	5	.4
	12	10.9	94	11.4	96	1016.0	23	36	8**	6	6	8	8	6			50	5	2.0
	18	11.3	85	11.4	96	1015.8	23	32	7*			8					60	6	3.2
19	0	11.8	93	11.4	97	1015.4	22	32	7*			8					2	2	2.0
	6	11.2	91	11.4	97	1012.5	22	32	7*			8					21	6	3.1
	12	10.7	93	11.4	96	1011.5	21	32	7*	6	6	8	8	0	2		10	6	.2
	18	10.4	96	11.4	96	1007.4	22	32	7*			8					61	8	.3
20	0	10.8	93	11.4	97	1008.8	28	28	7*			8					60	6	2.0
	6	10.3	62	11.4	98	1013.9	29	32	7*			5					2	6	3.0
	12	9.9	69	11.3	98	1020.0	27	20	5	5	4	4	4	3	0	0	25	8	.0
	18	9.7	72	11.3	98	1021.3	26	23	6*			2					1	1	.0

1978 NOVEMBER FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	9.2	83	11.3	98	1020.9	22	24	6*			5					2	2	.
	6	8.9	94	11.2	97	1019.9	22	23	6*			8					61	6	.4
	12	10.7	93	11.2	97	1021.8	22	21	5	6	4	8	8	5			60	6	.4
	18	11.6	90	11.3	97	1022.0	23	26	6*			8					2	6	1.4
22	0	12.1	91	11.3	98	1023.0	24	24	6*			8					2	2	.
	6	12.1	92	11.3	98	1024.1	25	26	6*			8					2	5	.0
	12	12.3	85	11.3	98	1026.0	24	25	6*	4	4	5	5	0	4	0	2	2	.
	18	11.9	88	11.3	98	1025.5	24	31	7*			8					2	2	.
23	0	11.8	87	11.3	98	1026.1	25	28	7*			8					2	2	.
	6	11.8	90	11.3	98	1027.6	26	29	7*			8					2	2	.
	12	11.7	91	11.3	98	1029.0	25	18	5			8	8	6			2	2	.0
	18	11.4	91	11.3	97	1026.8	24	24	6*			8					2	5	.4
24	0	10.6	95	11.3	97	1023.9	24	30	7*			8					2	6	2.0
	6	11.2	91	11.3	97	1020.8	24	29	7*			8					61	2	2.2
	12	10.7	95	11.4	96	1018.2	24	30	7*	5	4	8	8	0	2		51	5	6.0
	18	8.4	94	11.3	97	1016.4	2	17	5			8					61	6	8.0
25	0	7.7	86	11.3	97	1016.5	35	11	4			8					60	6	2.0
	6	8.4	69	11.3	98	1014.8	34	2	1			8					2	6	2.6
	12	6.5	88	11.3	98	1014.9	34	10	3	5	2	4	4	3	0	0	2	8	1.0
	18	5.1	87	11.3	98	1014.2	27	13	4			6					25	8	3.2
26	0	5.6	74	11.3	98	1013.8	29	15	4			2					25	8	1.0
	6	5.4	83	11.1	98	1013.2	31	26	6*			7					88	8	2.3
	12	5.8	81	11.0	98	1013.1	31	10	3	3	1	7	7	9			80	8	.4
	18	5.4	91	10.9	98	1009.8	30	33	7*			6					87	8	1.0
27	0	5.9	83	10.8	98	1012.2	34	34	8**			6					87	8	.4
	6	5.2	69	10.8	98	1012.0	33	24	6*			4					2	8	.7
	12	6.1	62	10.8	98	1005.4	31	32	7*	4	4	7	7	9			27	8	1.0
	18	4.3	69	10.6	98	1007.2	1	26	6*			5					83	8	1.0
28	0	3.4	73	10.6	98	1006.6	33	26	6*			5					87	8	.1
	6	4.6	73	10.6	98	1007.5	1	36	8**			4					2	8	.7
	12	5.5	72	10.5	98	1008.9	4	32	7*	8	7	7	7	9			89	8	.3
	18	3.4	73	10.4	98	1014.0	7	16	5			5					2	6	.4
29	0	3.9	81	10.3	98	1019.5	8	20	5			3					2	8	.4
	6	4.7	70	10.2	98	1021.2	5	16	5			5					2	8	.7
	12	5.1	76	10.2	98	1021.5	2	18	5	3	2	7	7	2	0	0	2	8	1.0
	18	4.1	66	10.0	98	1021.1	3	12	4			6					89	8	2.0
30	0	3.7	66	9.8	98	1021.3	4	9	3			6					85	8	4.0
	6	3.6	61	9.8	98	1020.8	5	9	3			8					22	7	4.0
	12	2.7	83	9.8	98	1020.5	6	13	4	3	2	7	4	3	6	2	2	8	2.0
	18	2.9	84	9.7	98	1020.1	14	11	4			7					83	8	3.5

1978 DEZEMBER FEUERSCHIFF "J/F 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	2.9	84	9.9	98	1020.6	18	8	3			8					2	7	4.0
	6	4.0	84	9.8	98	1021.9	99	2	1			8					2	7	3.7
	12	4.1	87	9.5	98	1023.4	99	5	2		0	6	4	5	0	2	27	8	.6
	18	4.4	74	9.7	98	1023.9	13	10	3			7					2	8	.6
2	0	3.0	86	9.7	97	1024.1	17	10	3			2					2	0	.6
	6	2.4	86	9.7	98	1023.2	13	13	4			7					2	2	.6
	12	4.5	84	9.3	98	1022.2	15	13	4	3	1	7	7	8			2	2	.
	18	3.6	83	9.5	97	1020.1	14	18	5			8					2	2	.
3	0	4.3	79	9.6	98	1019.1	15	24	6*			3					1	1	.
	6	3.7	83	9.5	97	1017.9	13	18	5			7					3	1	.
	12	4.1	78	9.5	97	1015.8	14	22	6*	4	2	8	8	5			0	2	.
	18	4.0	82	9.5	97	1014.1	13	24	6*			8					2	2	.
4	0	4.3	82	9.3	97	1012.8	13	33	7*			8					2	2	.
	6	2.9	84	9.2	96	1010.9	12	32	7*			8					10	2	.
	12	3.6	80	9.0	96	1012.6	12	34	8**	5	4	8	6	7	2		10	2	.
	18	2.2	81	9.0	96	1016.4	12	33	7*			8					70	7	.9
5	0	.7	64	8.8	98	1021.9	12	24	6*			4					2	2	.
	6	-.3	68	8.6	98	1024.9	12	28	7*			2					2	0	.
	12	.3	72	8.4	98	1028.4	13	20	5	4	3	3	0	0	0	5	2	0	.
	18	.1	86	8.5	98	1029.4	12	24	6*			2					2	0	.
6	0	-.7	71	8.4	97	1030.4	13	24	6*			2					2	0	.
	6	-.6	66	8.4	97	1029.8	12	26	6*			2					2	0	.
	12	.2	78	8.2	97	1027.1	12	24	6*	4	3	4	0	0	0	1	2	0	.
	18	1.1	66	8.2	97	1025.8	12	30	7*			3					2	0	.
7	0	-.9	83	8.0	98	1022.9	12	36	8**			2					2	2	.
	6	-1.3	78	8.0	97	1019.8	12	36	8**			3					2	0	.
	12	-3.2	80	7.3	96	1017.3	12	26	6*	5	4	5	5	2	0	0	10	2	.
	18	-2.2	73	7.6	96	1015.8	12	30	7*			7					10	2	.
8	0	-2.3	81	7.4	96	1013.1	12	32	7*			6					10	2	.
	6	-2.6	87	7.4	96	1008.1	11	32	7*			8					10	2	.
	12	-2.3	73	7.2	96	1002.8	12	31	7*	5	5	8	8	0	2		10	2	.
	18	-.3	93	7.0	96	997.1	11	19	5			8					66	6	.0
9	0	2.9	87	7.0	96	994.1	15	30	7*			8					0	0	.3
	6	7.1	88	7.3	97	996.9	22	22	6*			3					0	0	1.4
	12	7.7	91	7.2	97	1001.5	22	24	6*	4	3	7	4	0	7	1	2	2	.
	18	7.6	91	7.3	96	1005.8	23	22	6*			8					10	6	.0
10	0	7.7	91	7.4	96	1008.9	22	17	5			5					10	1	.
	6	7.6	88	7.4	93	1011.2	21	14	4			8	8	6			47	1	.
	12	7.5	96	7.4	93	1012.9	21	13	4	3	1	8	8	6			45	4	.
	18	7.0	95	7.4	92	1011.9	14	12	4			8	8	6			45	4	.

1978 DEZEMBER FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	7.2	95	7.4	95	1009.9	14	18	5			8					61	6	9.0
	6	6.9	88	7.3	96	1006.1	15	18	5			8					10	4	10.0
	12	6.7	95	7.3	96	1003.3	13	20	5	4	3	7	7	0	2		10	6	.2
	18	6.7	92	7.2	96	999.9	12	16	5			5					10	2	.4
12	0	6.7	88	7.0	96	995.3	14	19	5			6					10	2	.
	6	7.0	92	6.9	96	990.3	16	20	5			6					10	2	.
	12	8.2	89	7.2	97	989.2	16	20	5			7	6	5			0	0	.
	18	7.2	96	6.9	97	982.0	14	24	6*			8					61	6	4.2
13	0	7.4	92	6.9	97	982.5	20	20	5			4					2	6	3.0
	6	7.3	91	6.9	98	980.8	20	27	6*			8					2	6	4.1
	12	7.2	95	7.3	98	976.8	20	23	6*			7	7	0	2		2	0	.
	18	6.9	89	7.0	98	976.8	21	24	6*			8					2	0	9.6
14	0	5.8	87	7.0	98	977.2	21	26	6*			4					2	8	.0
	6	5.0	93	6.9	97	976.0	18	22	6*			8					0	0	.0
	12	5.6	93	6.9	97	975.0	17	16	5			8	8	0	2		0	0	.
	18	6.6	93	6.9	98	976.0	27	29	7*			8					2	6	3.6
15	0	6.6	88	7.0	98	983.0	31	16	5			6					2	8	.3
	6	7.0	88	7.0	98	985.8	31	3	1			8					2	6	.3
	12	6.9	84	6.9	98	988.9	7	14	4			7	7	8			0	0	.
	18	5.4	87	6.8	98	992.3	8	20	5			8					2	2	.
16	0	4.9	84	6.6	98	996.0	7	26	6*			8					2	2	.
	6	3.9	88	6.5	98	999.2	7	27	6*			7					2	2	.
	12	3.7	76	6.5	98	1002.8	7	18	5	5	3	8	8	8			25	8	.
	18	2.3	73	6.5	98	1007.3	4	14	4			7					2	8	.2
17	0	2.2	76	6.5	98	1010.4	99	2	1			7					2	2	.
	6	3.3	79	6.5	98	1013.0	18	12	4			7					2	2	.
	12	1.6	88	6.5	96	1017.1	16	12	4			8	8	0	6		0	0	.
	18	2.1	82	6.4	98	1021.2	21	7	3			2					2	7	1.3
18	0	1.3	88	6.4	98	1025.0	18	10	3			4					2	2	.
	6	.9	88	6.4	98	1027.3	19	13	4			3					2	2	.
	12	-1.0	91	6.3	95	1028.8	21	17	5		2	7	7	5			10	1	.
	18	.5	86	6.1	96	1027.9	22	15	4			0	0	0	0	0	10	0	.
19	0	-.4	89	6.1	96	1027.1	22	14	4			4					10	2	.
	6	-.2	78	5.9	98	1024.9	18	8	3			0	0	0	0	0	2	0	.
	12	1.1	73	6.0	98	1022.8	13	11	4	2	1	2	0	0	0	2	2	0	.
	18	2.5	67	6.6	98	1019.2	9	20	5			3					2	1	.
20	0	1.7	82	5.9	98	1015.8	9	24	6*			2					2	0	.
	6	3.4	73	5.9	98	1012.3	9	30	7*			8					2	2	.
	12	1.2	67	5.8	97	1012.1	10	28	7*	4	4	8	8	0	2		2	7	.0
	18	.3	88	5.7	97	1013.1	12	21	5			8					71	7	.0

1978 DEZEMBER FEUERSCHIFF "J/E 3 - BORKUMRIFF"

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	-.4	87	5.7	97	1016.2	13	14	4			8					22	7	.
	6	-.6	94	5.6	97	1018.2	13	22	6*			8					2	2	.0
	12	.3	88	5.5	96	1018.9	12	26	6*	3	3	8	8	0	2		10	2	.
	18	1.2	86	5.5	97	1018.9	11	26	6*			8					2	2	.
22	0	1.0	90	5.5	97	1018.3	12	28	7*			8					2	2	.
	6	.1	87	5.5	97	1017.1	11	18	5			8					2	2	.
	12	.1	87	5.3	97	1015.9	10	15	4	3	2	8	8	0	2		2	2	.
	18	-.1	91	5.3	96	1014.4	10	11	4			8					10	2	.
23	0	-.4	85	5.1	96	1013.3	10	4	2			8					10	2	.
	6	.6	95	5.3	97	1011.9	0	0	0			8					2	2	.
	12	2.1	82	5.3	97	1011.0	19	12	4	2	1	8	8	0	2		20	2	.0
	18	-.2	85	5.3	96	1009.2	17	11	4			8					10	2	.0
24	0	-.9	87	5.3	97	1007.0	15	16	5			8					2	2	.
	6	-.8	91	5.3	97	1004.0	13	20	5			8					2	2	.
	12	-.4	93	5.2	96	1001.8	11	24	6*	3	3	8	8	0	2		10	2	.
	18	1.3	86	5.2	97	997.1	10	32	7*			8					2	2	.
25	0	1.7	95	5.0	96	991.1	10	30	7*			8					63	6	10.0
	6	3.6	98	5.1	96	991.8	24	13	4			8					21	6	15.8
	12	5.4	94	5.1	96	993.8	21	20	5	3	2	8	8	0	2		60	4	1.0
	18	5.4	93	5.3	97	996.1	22	20	5			8					20	6	.7
26	0	5.6	94	5.4	97	999.9	23	26	6*			8					61	6	.3
	6	5.9	93	5.3	97	1002.9	25	16	5			6					2	6	1.0
	12	5.0	96	5.0	96	1005.5	24	9	3		1	8	8	0	2		50	5	.0
	18	5.6	97	5.0	96	1003.5	24	7	3			8					21	6	5.0
27	0	5.2	91	5.3	97	1005.9	5	7	3			8					2	2	.
	6	4.7	91	4.9	98	1007.0	8	9	3			8					2	2	.
	12	4.7	81	5.3	98	1007.3	7	12	4		1	6	6	8	0	0	2	2	.
	18	3.0	91	4.7	97	1002.3	10	21	5			8					60	2	.0
28	0	2.7	95	4.9	96	995.0	10	26	6*			8					63	6	6.0
	6	3.5	97	4.8	96	988.8	10	17	5			8					63	6	24.0
	12	4.3	97	5.1	96	988.1	7	13	4		1	8	8	6			51	6	3.0
	18	3.3	94	4.9	96	988.8	8	17	5			8					61	6	14.0
29	0	2.8	94	5.1	97	989.5	9	26	6*			8					20	6	6.0
	6	.4	95	4.8	94	988.0	9	36	8**			8					75	8	13.0
	12	.3	88	4.9	97	990.8	8	39	8**	6	7	8	6	7	2		2	7	2.0
	18	-1.0	94	4.7	95	992.1	9	36	8**			8					73	7	5.0
30	0	-2.1	92	4.6	96	995.0	9	41	9**			8					73	7	5.0
	6	-3.2	93	4.1	96	998.0	9	50	10**			8					73	7	12.0
	12	-4.4	86	3.7	93	1001.5	9	41	9**	7	7	8					73	7	8.0
	18																		.
31	0																		.
	6																		.
	12																		.
	18																		.

1978 JANUAR FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	5.2	69	4.9	98	1014.3	29	16	5		2	8					2	6	.0
	6	5.3	90	5.0	98	1014.6	19	21	5		1	6					1	2	.0
	12	5.6	97	5.0	95	1014.1	22	24	6*		2	8	8	6			10	4	.0
	18	6.5	90	5.1	97	1013.4	24	21	5		3	8					2	2	.0
2	0	6.0	93	4.8	97	1014.0	24	24	6*		4	8					2	2	.
	6	6.0	92	5.0	97	1012.8	23	23	6*		3	8					2	2	.
	12	6.0	85	5.1	96	1011.0	22	25	6*	4	3	8	8	5			10	2	.
	18	5.2	93	5.4	97	1009.7	29	17	5	4	2	8					60	2	1.7
3	0	5.8	69	5.0	98	1011.0	25	23	6*		3	0	0	0	0	0	2	0	.
	6	4.8	81	5.5	97	1004.1	23	38	8**		7	8					2	6	.0
	12	4.4	94	5.2	96	991.7	22	35	8**	7	8	8	6	7	2		63	2	4.0
	18	4.6	80	5.4	97	994.0	33	40	8**		10	8					26	6	7.0
4	0	3.2	89	4.8	97	1004.8	29	38	8**		1	4					2	8	.5
	6	2.2	93	5.0	96	1009.4	32	32	7*			8					84	2	1.2
	12	4.3	79	4.5	98	1013.3	32	26	6*	4	5	5	3	2	9	1	2	8	1.0
	18	2.2	65	4.5	98	1021.1	2	25	6*		3	2					1	8	2.0
5	0	-.4	64	4.2	98	1030.8	2	23	6*		3	0	0	0	0	0	2	0	.
	6	-.4	67	4.0	98	1034.4	0	0	0			0	0	0	0	0	2	0	.
	12	.5	50	4.0	98	1033.6	20	31	7*		2	8	8	0	2		3	2	.
	18	-.3	96	4.3	95	1028.1	20	30	7*		4	8					73	7	.0
6	0	4.0	97	4.2	96	1024.3	23	40	8**			8					69	7	.3
	6	6.0	93	4.6	95	1024.1	25	25	6*		4	8					20	6	1.5
	12	6.2	92	4.3	96	1026.8	27	17	5	5	3	8	8	0	7		10	2	.
	18	6.0	93	4.0	97	1029.1	24	16	5		2	8					2	2	.
7	0	5.2	91	4.5	98	1030.8	23	15	4		2	8					2	2	.
	6	4.8	94	4.3	97	1029.8	23	16	5		1	8					2	2	.
	12	4.4	93	4.5	97	1029.2	23	21	5	4	2	8	8	0	2		2	2	.
	18	3.2	94	4.5	97	1028.2	20	17	5	4	2	8					3	2	.
8	0	3.1	92	4.1	97	1027.1	20	12	4		2	6					1	1	.
	6	2.5	92	4.3	97	1027.0	18	9	3		1	0	0	0	0	0	1	1	.
	12	5.5	89	4.5	96	1027.2	22	6	2		1	4	0	0	0	2	10	0	.
	18	2.7	94	4.4	96	1026.2	18	9	3		1	4					10	2	.
9	0	1.8	92	4.2	95	1023.9	20	10	3		1	7					10	2	.
	6	2.1	93	4.3	95	1020.6	20	16	5		1	8					10	2	.
	12	3.3	91	4.2	95	1017.9	20	19	5	4	2	8	8	6			10	2	.
	18	3.6	95	4.3	95	1012.4	20	27	6*		3	8					10	6	1.5
10	0	5.0	93	4.4	97	1009.9	23	19	5		3	8					21	6	.
	6	3.7	89	4.1	98	1008.9	24	21	5		3	8					2	6	2.0
	12	1.8	90	4.4	97	1006.6	28	22	6*	6	4	8	8	7			21	6	4.0
	18	4.0	89	4.5	97	1005.7	24	32	7*		6	8					68	7	4.5

1978 JANUAR FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	4.3	88	4.2	97	1000.0	22	21	5		5	8					61	6	.5
	6	4.4	93	4.5	97	992.0	20	28	7*		5	8					61	6	1.7
	12	4.2	93	4.2	97	988.9	16	22	6*	4	3	8	8	0	2		21	6	1.0
	18	3.6	94	4.2	97	988.2	12	13	4		2	8					21	6	1.8
12	0	3.4	94	4.5	96	991.4	2	16	5		2	8					61	6	3.0
	6	1.4	97	4.3	96	997.4	1	28	7*		4	8					69	7	10.0
	12	2.7	89	4.5	98	1007.4	2	35	8**	6	6	8	8	7			2	7	.0
	18	2.2	89	4.1	98	1019.4	2	30	7*		6	8					2	2	.
13	0	.6	89	4.0	98	1026.4	2	22	6*		3	0	0	0	0	0	1	0	.
	6	.9	85	3.5	98	1028.2	2	10	3		2	0	0	0	0	0	2	0	.
	12	1.8	84	3.9	98	1028.9	25	9	3		1	5	5	0	3	0	3	2	.
	18	4.3	91	3.7	98	1025.9	26	21	5		2	6					1	1	.
14	0	5.5	91	3.2	97	1025.1	29	15	4		2	7					3	6	.0
	6	5.2	91	4.0	98	1025.6	32	15	4		2	0	0	0	0	0	1	1	3.5
	12	5.7	90	3.4	98	1027.2	32	16	5		2	8	8	0	2		2	2	.
	18	4.5	93	3.6	96	1026.7	35	13	4		1	8					51	5	.1
15	0	4.5	94	4.0	96	1027.8	5	12	4		1	8					61	6	.5
	6	2.8	90	3.2	97	1025.9	5	10	3		1	8					2	6	1.8
	12	2.6	86	4.1	97	1023.2	9	14	4		1	2	0	0	0	2	1	1	.
	18	1.0	91	4.3	97	1016.9	8	20	5		1	7					3	2	.
16	0	.6	89	4.3	97	1012.8	13	15	4		2	3					3	0	.
	6	9.5	38	4.1	96	1008.9	17	13	4		2	8					10	2	.
	12	2.0	90	4.1	95	1008.3	16	12	4		1	8	8	6			10	2	.
	18	2.4	90	4.3	96	1005.8	18	11	4		1	8					10	2	.
17	0	3.0	84	3.9	97	1006.2	15	12	4		1	1					1	1	.
	6	2.4	90	4.2	97	1004.8	14	16	5		1	8					2	2	.
	12	3.0	84	4.0	96	1006.0	16	19	5	2	1	8	8	0	2		10	2	.
	18	3.6	83	4.0	96	1006.1	13	14	4		1	0	0	0	0	0	10	2	.
18	0	2.4	87	3.8	96	1006.2	7	7	3			0	0	0	0	0	10	0	.
	6	1.3	88	4.0	95	1005.5	10	11	4			8					71	2	.
	12	.8	97	4.0	93	1003.9	3	5	2		1	8	8	6			71	7	4.0
	18	.6	96	3.5	95	1003.5	26	10	3			8					71	7	4.8
19	0	3.0	95	3.8	96	1004.3	25	12	4		1	8					23	7	2.0
	6	2.5	92	3.5	97	1004.9	20	14	4		2	6					2	2	2.0
	12	.7	93	4.0	95	1003.9	14	21	5	3	2	3	0	0	0	2	10	2	.
	18	2.2	87	4.2	96	998.7	11	28	7*	4	3	6					10	0	.
20	0	1.4	85	4.2	96	999.0	12	20	5			2					10	2	.
	6	2.4	86	4.3	96	1000.3	16	21	5	4	3	8					10	0	.
	12	3.0	83	4.7	96	1006.2	15	18	5	3	2	0	0	0	0	0	10	0	.
	18	2.8	86	4.4	96	1010.0	13	17	5		2	3					10	0	.

1978 JANUAR FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	2.0	87	4.2	96	1013.2	13	14	4			2					10	0	.
	6	.2	96	4.3	95	1014.2	15	14	4			8					10	2	.
	12	1.0	93	4.2	94	1015.0	15	16	5	3	2	8	8	6			10	2	.
	18	2.1	90	4.2	95	1013.6	16	18	5			8					10	7	1.2
22	0	3.0	89	4.6	96	1012.0	19	14	4		1	6					10	2	.
	6	2.0	92	4.1	96	1010.1	15	15	4			8					10	2	.
	12	2.3	85	4.6	96	1009.8	16	12	4	3	1	0	0	0	0	0	10	2	.
	18	1.2	83	4.2	96	1009.9	12	16	5		1	0	0	0	0	0	10	0	.
23	0	.3	89	4.4	96	1010.1	14	15	4			0	0	0	0	0	10	0	.
	6	.1	96	4.2	95	1009.9	19	12	4		1	8					71	2	.0
	12	2.5	97	4.5	96	1010.0	22	14	4	2	1	0	0	0	0	0	28	4	.0
	18	2.1	93	4.3	96	1006.4	17	18	5		2	5					10	0	.0
24	0	2.3	85	4.2	96	997.4	14	27	6*	4	3	8					10	0	.
	6	1.1	98	4.0	94	987.7	13	23	6*			8					69	7	2.5
	12	2.9	98	4.5	95	982.1	16	16	5	4	3	8	8	5			61	7	3.0
	18	5.0	94	4.4	97	982.8	24	23	6*			8					2	6	3.5
25	0	4.6	97	4.4	97	984.1	25	18	5		2	8					61	6	.0
	6	4.3	93	4.4	98	988.1	31	22	6*		5	8					26	8	.8
	12	3.0	91	4.6	96	993.9	34	16	5	4	3	8	5	7	2		61	6	1.0
	18	4.2	72	4.1	98	999.4	32	25	6*	4	4	8					2	8	1.5
26	0	3.6	91	4.2	98	1000.3	23	21	5			6					2	2	.
	6	4.3	84	4.4	97	999.8	26	25	6*		4	4					84	7	2.1
	12	3.6	76	4.3	97	1002.5	32	17	5	5	4	4	2	0	9	2	2	7	.0
	18	3.3	86	4.0	98	1004.0	23	12	4		2	7					1	6	.4
27	0	3.0	91	4.3	96	1003.7	20	18	5		2	8					61	0	.0
	6	2.5	94	4.4	97	1002.9	23	25	6*			8					2	7	2.5
	12	3.3	92	4.2	96	1003.8	22	21	5	4	3	8	8	5			61	6	1.0
	18	3.6	91	4.3	97	1004.2	21	26	6*			8					2	6	2.4
28	0	3.5	89	4.3	96	1000.2	16	21	5		4	8					10	6	.0
	6	3.5	86	4.2	97	994.4	16	26	6*		4	8					2	2	.0
	12	4.7	77	4.3	98	988.0	13	26	6*	4	3	8	4	5	4	6	3	2	.
	18	3.8	94	4.3	96	984.9	14	26	6*	3	3	8					50	5	.5
29	0	4.3	81	4.3	98	984.1	14	23	6*			7					2	5	.0
	6	3.2	91	4.4	98	984.6	14	20	5		2	2					1	2	.0
	12	3.6	89	4.4	96	986.2	14	12	4	2	1	8	8	5			10	2	.
	18	3.0	92	4.5	96	987.9	9	10	3		1	7					10	2	.
30	0	3.0	95	4.1	97	989.8	18	8	3			3					2	0	.
	6	3.4	94	4.5	96	991.9	32	9	3			8					61	2	.0
	12	4.2	85	4.2	96	994.3	32	17	5	3	1	8	8	5			50	2	.0
	18	3.5	86	4.5	97	998.8	32	15	4			8					21	6	.5
31	0	4.0	70	4.2	98	1003.0	32	19	5		3	8					2	8	1.0
	6	2.4	79	4.4	98	1007.1	27	15	4		3	6					26	2	1.5
	12	3.5	77	4.0	98	1008.9	25	16	5	5	3	6	2	2	9	0	3	2	.0
	18	3.1	88	4.1	97	1009.4	23	18	5	5	3	8					68	2	.0

1978 FEBRUAR FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	1.6	90	4.1	98	1009.3	18	16	5		3	0	0	0	0	0	1	1	.0
	6	.8	90	4.1	98	1008.4	13	15	4		2	0	0	0	0	0	2	0	.0
	12	1.0	75	3.6	96	1006.9	14	21	5	4	2	0	0	0	0	0	10	0	.
	18	2.0	80	4.3	97	1001.8	11	23	6*		3	3					1	1	.
2	0	.5	88	3.9	97	997.3	11	26	6*		3	0	0	0	0	0	2	0	.
	6	.9	86	4.0	97	997.9	9	32	7*		4	8					3	2	.
	12	1.8	82	4.2	97	1002.9	9	24	6*	6	4	8	8	0	2		2	2	.
	18	2.5	82	4.2	96	1008.1	7	25	6*		3	8					10	2	.
3	0	2.0	85	3.5	98	1013.1	2	21	5		2	8					3	2	.
	6	2.0	89	3.8	97	1016.5	2	17	5		2	8					2	2	.
	12	1.5	87	3.2	97	1020.6	2	16	5	5	2	8	8	5			2	2	.
	18	1.7	88	3.7	97	1023.1	2	15	4		1	8					2	2	.
4	0	1.7	82	3.1	97	1026.0	2	13	4		1	8					2	2	.
	6	1.8	90	3.9	97	1026.8	2	10	3		1	8					2	7	.0
	12	1.5	87	3.5	97	1027.3	14	6	2		1	8	8	0	2		2	2	.
	18	2.0	80	3.7	97	1026.0	14	16	5		1	8					2	2	.
5	0	1.0	88	3.8	97	1024.8	14	20	5		1	8					2	2	.
	6	.2	89	3.8	96	1021.3	12	20	5		1	8					10	2	.
	12	1.1	86	3.9	96	1018.5	11	18	5	4	3	8	8	5			10	2	.
	18	.9	88	3.6	96	1016.1	11	22	6*	4	2	8					10	2	.
6	0	.6	93	3.9	96	1015.8	11	17	5		2	8					10	7	.0
	6	-.6	96	3.9	96	1015.3	9	22	6*		2	8					10	2	.0
	12	-.2	91	3.7	96	1016.4	9	18	5	4	2	8	8	6			10	7	.0
	18	-.2	91	3.6	96	1018.9	9	17	5		2	8					10	2	.0
7	0	-.7	93	3.7	96	1020.1	9	17	5		2	8					10	2	.
	6	-1.7	84	3.6	96	1021.1	9	20	5		2	8					10	2	.
	12	-.5	83	3.9	97	1023.1	9	17	5	4	2	0	0	0	0	0	1	1	.
	18	-.3	84	3.5	97	1023.9	5	18	5		1	5					1	1	.
8	0	.1	73	4.0	97	1024.1	7	19	5		2	7					3	2	.
	6	.0	73	3.8	98	1024.2	5	18	5		2	8					2	2	.
	12	-.6	87	3.4	97	1023.9	5	23	6*	5	2	6	6	5	0	0	22	7	.0
	18	-1.3	75	3.4	98	1023.2	5	22	6*		2	8					2	7	.0
9	0	-2.8	90	3.7	97	1022.4	7	14	4		2	8					71	7	.0
	6	-2.5	90	3.3	98	1022.8	5	23	6*		3	0	0	0	0	0	1	7	.0
	12	-2.3	76	3.6	98	1022.1	5	17	5	5	3	6	6	5	0	0	22	7	.
	18	-2.3	82	2.7	98	1020.9	5	17	5	4	2	7					3	2	.
10	0	-2.7	98	3.2	98	1019.9	5	14	4		2	2					1	0	.
	6	-3.0	87	2.6	98	1016.3	5	13	4		2	3					3	1	.
	12	-2.5	90	3.1	96	1012.4	5	16	5	4	2	7	7	0	7		22	7	.0
	18	-2.3	80	3.0	98	1010.1	10	17	5		2	3					1	2	.0

1978 FEBRUAR FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	-2.6	74	2.9	97	1007.9	9	21	5		?	8					?	7	.0
	6	-3.4	85	2.9	97	1004.2	7	22	6*		1	8					?	?	.0
	12	-1.6	86	3.4	97	1001.3	7	25	6*	5	3	8	8	6			?	?	.
	18	-.6	91	3.1	95	997.1	5	23	6*		3	8					71	7	.0
12	0	-1.6	92	2.5	96	995.1	14	9	3		?	8					71	7	.0
	6	-2.5	90	2.2	96	995.1	14	8	3		1	8					10	7	.0
	12	-.8	89	3.2	95	996.9	16	10	3		1	8	8	6			10	7	.0
	18	1.3	95	2.4	97	996.4	25	27	6*		?	8					?	7	.5
13	0	.9	91	3.1	97	998.3	23	22	6*		3	8					?	?	.
	6	-.2	85	2.8	97	998.2	23	21	5		3	8					?	?	.
	12	.6	86	2.8	96	1000.1	20	15	4	5	?	3	0	0	0	9	10	1	.
	18	.4	76	3.2	98	1000.4	20	15	4		?	6					3	?	.
14	0	-.5	94	2.9	97	1002.3	18	11	4		1	8					71	7	.0
	6	-.1	93	3.4	97	1003.2	18	8	3		1	8					22	7	1.8
	12	-.2	100	2.8	95	1006.0	12	7	3	0	0	8	8	6			71	7	1.0
	18	-1.0	89	3.4	96	1009.2	3	8	3			6					10	7	.8
15	0	.0	86	3.0	96	1012.0	2	10	3			6					10	?	.
	6	-.3	95	3.2	96	1012.9	2	10	3		1	8					10	?	.
	12	.2	75	2.7	96	1014.9	12	8	3		1	8	8	5			10	?	.
	18	.3	89	3.5	96	1013.0	14	7	3		1	8					71	?	.0
16	0	-.4	85	2.9	95	1010.8	16	12	4			8					71	7	1.0
	6	-2.5	93	3.5	92	1007.9	13	6	?			8	8	6			47	7	1.3
	12	-4.1	93	2.8	94	1008.4	4	9	3	3	1	8	8	5			10	4	.0
	18	-2.0	79	3.1	96	1009.0	2	8	3			6					10	?	.0
17	0	-2.3	82	2.5	97	1011.3	36	?	1		1	8					3	?	.
	6	-1.0	81	3.1	97	1011.0	24	14	4			6					?	?	.
	12	-.5	96	2.7	96	1011.3	24	14	4	4	3	7	5	7	1		10	?	.
	18	.0	98	3.1	94	1012.4	27	10	3	4	?	8					75	?	.6
18	0	-.6	71	3.0	98	1016.4	30	13	4			?					?	7	2.0
	6	-1.4	83	3.0	98	1017.5	19	15	4	4	?	0	0	0	0	0	?	0	1.7
	12	-.1	91	3.0	96	1018.0	24	16	5	4	?	4	4	5	0	0	72	7	3.0
	18	.6	66	3.0	98	1017.9	36	13	4		?	?					1	7	2.8
19	0	.0	65	2.2	98	1018.9	11	6	?			?					?	0	.
	6	-1.6	81	2.7	98	1018.2	12	7	3			1					?	0	.
	12	-2.5	80	2.8	97	1019.9	9	14	4	3	?	7	7	5			?	?	.
	18	-3.1	54	2.5	98	1021.1	9	22	6*	3	?	0	0	0	0	0	?	0	.
20	0	-3.4	75	2.6	98	1023.1	9	12	4		?	0	0	0	0	0	?	0	.
	6	-4.0	65	2.0	98	1024.2	13	8	3		1	0	0	0	0	0	?	0	.
	12	-2.3	77	2.4	98	1026.1	24	8	3		1	0	0	0	0	0	?	0	.
	18	-3.1	69	2.4	98	1025.9	23	6	?			0	0	0	0	0	?	0	.

1978 FEBRUAR FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	-2.0	51	2.3	98	1024.8	20	9	3			0	0	0	0	0	2	2	.
	6	-2.9	74	2.1	97	1021.7	15	10	3		1	0	0	0	0	0	2	0	.
	12	-1.6	71	2.4	96	1018.5	14	17	5	3	2	2	0	0	0	5	10	0	.
	18	-.7	58	2.1	96	1014.1	13	15	4	3	1	0	0	0	0	0	10	0	.
22	0	-.4	75	2.6	96	1010.2	18	12	4			7					10	0	.
	6	1.4	98	2.4	93	1008.2	22	16	5			8	8	6			47	2	.
	12	2.8	95	2.8	94	1009.0	24	14	4	4	2	8	8	6			10	4	.0
	18	2.9	94	2.2	92	1009.9	23	14	4			8	8	6			47	4	.0
23	0	2.8	97	2.8	93	1011.0	24	6	2		1	8	8	6			45	5	.0
	6	1.5	98	2.0	92	1009.7	10	21	5		1	8	8	6			45	4	.4
	12	1.6	97	2.6	92	1006.1	10	27	6*	4	3	8	8	6			47	4	.0
	18	2.4	97	2.0	95	1001.1	11	24	6*	4	3	8					61	4	.6
24	0	3.3	95	3.0	95	998.9	14	21	5			8					10	6	3.0
	6	4.2	93	2.5	97	999.7	19	19	5		2	1					1	8	3.3
	12	5.1	91	2.9	96	1001.5	17	16	5		1	6	6	5	0	0	10	0	.
	18	4.7	97	2.6	95	1001.2	16	17	5		1	8					10	2	.
25	0	3.6	97	2.4	95	1000.0	16	12	4			0	0	0	0	0	10	2	.
	6	4.0	100	2.7	92	998.1	16	16	5			8	8	6			47	2	.0
	12	3.5	95	3.0	95	995.8	13	14	4	3	1	8	8	5			10	4	.3
	18	6.0	93	3.0	95	992.3	13	18	5	2	1	4	3	0	3	2	10	1	.3
26	0	6.2	88	3.1	97	990.3	13	18	5		1	7					3	0	.
	6	5.4	87	3.0	97	989.6	18	23	6*		1	8					2	2	.
	12	5.4	91	3.1	96	991.8	17	13	4		1	5	0	0	0	1	10	6	1.0
	18	5.7	86	3.2	98	992.9	16	16	5	3	1	4					2	2	.7
27	0	5.0	88	3.1	98	993.5	15	18	5			2					2	1	.
	6	4.8	87	3.2	98	993.3	16	18	5		1	7					2	0	.
	12	5.4	89	3.4	96	995.5	16	16	5		1	8	8	5			10	2	.
	18	5.5	82	3.2	97	996.7	14	15	4		1	8					3	2	.
28	0	5.6	92	3.0	96	997.4	15	17	5			8					61	6	.5
	6	5.3	97	3.4	96	1000.0	22	13	4			8					10	6	1.0
	12	5.5	93	3.2	96	1004.1	23	12	4		1	8	8	5			10	2	.
	18	4.6	94	3.1	96	1006.2	11	10	3		1	6					10	2	.

1978 MAERZ FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	4.2	90	3.4	96	1007.3	11	11	4		1	0	0	0	0	0	10	0	.
	6	3.2	89	3.5	95	1007.0	11	9	3		1	7					10	2	.
	12	3.7	98	3.2	92	1007.5	11	17	5		1	8	8	6			45	4	.1
	18	5.2	90	3.5	93	1006.5	9	13	4		1	8	8	6			45	4	.1
2	0	4.3	99	3.1	92	1006.1	9	17	5		1	8	8	6			45	4	.6
	6	4.9	97	3.2	95	1005.0	15	12	4		1	8					60	4	1.5
	12	5.2	91	3.2	94	1006.8	23	6	2		1						10	5	1.0
	18	4.6	94	3.4	98	1005.9	9	13	4		1	6	0	0	0	2	3	2	1.2
3	0	4.5	96	3.2	95	1004.5	9	13	4		1	8					10	4	.
	6	4.6	96	3.3	95	1001.2	9	16	5		1	8					10	4	.6
	12	4.4	99	3.3	93	1001.8	11	5	2		1	8					61	4	.
	18	4.2	95	3.3	91	1005.2	30	9	3		1	8	8	6			45	4	.8
4	0	4.0	98	3.5	91	1008.9	29	6	2		1	8	8	6			45	4	.
	6	3.5	94	3.3	91	1010.0	34	6	2		1	8	8	6			45	4	.1
	12	3.7	97	3.4	92	1012.2	34	5	2		1	8	8	6			45	4	.
	18	3.6	94	3.4	92	1011.8	32	7	3		1	8	8	6			45	4	.
5	0	3.2	97	3.2	95	1012.6	32	14	4		1	8					61	8	.2
	6	3.9	88	3.4	97	1013.7	32	16	5		1	8					2	2	.3
	12	4.4	85	3.3	98	1017.2	34	20	5	5	2	0	0	0	0	0	1	1	.
	18	3.8	83	3.3	98	1020.1	32	18	5	4	3	4	0	0	0	1	3	2	.
6	0	3.2	81	3.4	98	1022.2	32	17	5		2	6					80	2	.0
	6	2.6	90	3.0	98	1023.4	30	20	5		2	8					3	2	.0
	12	3.6	91	2.6	98	1024.8	32	13	4	4	2	8	7	0	2		1	2	.
	18	3.2	83	3.3	98	1025.0	32	12	4		1	0	0	0	0	0	1	1	.
7	0	3.4	95	3.1	98	1024.1	27	14	4		1	8					3	2	.
	6	3.0	94	3.1	98	1021.0	23	16	5		1	4					3	1	.
	12	3.5	95	3.2	96	1020.0	25	15	4	4	2	8	8	0	2		10	6	.0
	18	3.8	97	3.2	93	1019.2	27	11	4	4	2	0	0	0	0	0	46	4	.0
8	0	3.5	97	3.0	91	1018.3	25	13	4		1	8	8	6			45	4	.
	6	3.8	97	3.1	94	1015.1	20	10	3		1	8					10	4	.2
	12	3.8	95	3.2	95	1011.1	20	17	5		1	8	8	6			10	2	1.0
	18	4.6	97	3.2	95	1006.0	23	20	5		2	8					61	6	3.5
9	0	4.5	90	3.4	98	1010.9	32	24	6*		4	0	0	0	0	0	1	6	1.0
	6	4.6	88	3.2	98	1017.9	32	25	6*		4	0	0	0	0	0	2	0	1.3
	12	4.9	90	3.1	98	1023.9	29	16	5	5	4	0	0	0	0	0	2	0	.
	18	4.5	91	3.7	98	1025.8	25	12	4	5	3	3	0	0	0	2	1	1	.
10	0	4.0	92	3.6	98	1024.5	22	15	4		2	0	0	0	0	0	2	0	.
	6	4.8	91	3.5	96	1024.3	20	18	5		1	8					10	2	.
	12	4.6	94	3.6	95	1025.1	25	13	4		1	5	0	0	0	2	10	4	.
	18	4.5	94	3.6	94	1025.1	25	19	5	4	1	8	8	6			51	5	.0

1978 MAERZ FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	4.5	97	3.4	91	1024.9	27	11	4		2	8	8	6			45	4	1.0
	6	3.8	92	3.2	98	1023.8	32	22	6*		2	8					2	2	.7
	12	4.0	91	3.4	96	1024.1	34	11	4	4	1	8	8	0	2		10	2	.
	18	3.7	95	4.0	96	1023.1	10	3	1		1	8	8	0	2		10	2	.
12	0	2.3	93	3.2	92	1021.5	14	11	4		1	8	8	6			45	4	.
	6	3.8	94	3.4	97	1017.5	15	20	5		1	8					3	4	.4
	12	4.8	88	3.6	96	1015.1	15	15	4		1	8	8	7			61	2	.0
	18	5.8	92	3.6	96	1009.9	15	20	5		1	8	8	7			61	6	2.5
13	0	5.6	97	3.1	92	1007.3	25	12	4		1	8					61	4	5.0
	6	4.3	96	3.5	97	1006.8	25	17	5		1	8					2	6	8.5
	12	4.7	93	3.6	98	1009.8	25	18	5	5	2	0	0	0	0	0	2	0	.
	18	5.0	93	3.8	97	1009.2	27	16	5	4	2	1	1	0	4	0	1	6	.0
14	0	4.8	96	3.8	97	1007.4	20	16	5		2	8					60	2	.0
	6	5.2	91	3.5	97	1003.1	20	23	6*	4	3	8					61	6	2.5
	12	5.5	87	3.6	97	1001.6	23	23	6*	4	3	8	8	5			2	6	.0
	18	5.5	87	3.6	96	998.2	20	21	5	4	3	8	8	5			10	8	.0
15	0	6.3	86	3.8	97	993.8	19	25	6*	5	3	8					61	6	.1
	6	5.3	91	3.5	97	992.8	21	25	6*	4	3	8	8	5			60	6	1.3
	12	4.3	97	3.6	96	991.6	22	30	7*	3	4	8	6	7	2		60	6	1.0
	18	5.7	86	3.7	97	992.2	24	26	6*	5	6	7	5	5	9		2	6	2.2
16	0	4.7	90	3.6	98	992.0	23	12	4			2					2	2	.
	6	4.8	96	3.6	96	988.5	18	20	5	4	2	8	5	7	2		60	6	.5
	12	4.9	97	3.5	95	983.9	16	17	5	4	2	8	8	6			61	6	2.0
	18	3.9	88	3.6	98	980.4	15	21	5	4	3	6	4	4	0	2	3	8	5.0
17	0	1.9	93	3.5	97	982.9	27	35	8**		6	8					81	6	1.0
	6	1.0	85	3.3	97	992.1	32	28	7*	5	7	8	8	5			2	7	1.0
	12	.5	88	3.5	97	998.8	32	17	5	5	5	8	6	5	2		86	8	.0
	18	.5	74	3.5	97	1003.9	31	21	5	4	4	8	8	5			2	8	.3
18	0	2.5	72	3.4	98	1007.6	32	22	6*		5	3					1	2	.
	6	2.6	70	3.2	98	1009.9	31	13	4	4	3	5	3	5	3	0	2	2	.
	12	2.7	84	3.6	98	1012.4	27	17	5	4	2	8	4	3	1		2	8	1.0
	18	3.3	86	3.3	98	1012.9	27	18	5	4	3	4	3	5	9	0	1	2	1.0
19	0	3.5	89	3.4	98	1012.9	26	23	6*			2					2	2	.
	6	1.8	97	3.2	97	1012.4	27	17	5	5	3	8	6	7	2		61	0	.8
	12	.6	88	3.3	97	1017.1	8	15	4	4	2	8	8	5			2	2	.0
	18	2.1	84	3.4	97	1011.8	13	21	5	4	2	8	8	5			2	2	.0
20	0	3.0	95	3.1	96	999.9	16	25	6*	4	3	8					61	6	3.0
	6	4.6	91	3.3	97	993.2	27	20	5	4	3	8	8	6			2	7	12.0
	12	4.8	83	3.5	97	997.0	27	22	6*	5	4	6	4	0	9	2	2	2	.
	18	4.4	87	3.5	97	995.7	26	13	4	3	3	4	4	5	0	0	3	2	.

1978 MAERZ FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	3.6	92	3.4	98	994.9	27	13	4		2	0	0	0	0	0	1	8	.2
	6	3.5	86	3.5	98	996.5	29	10	3	5	1	0	0	0	0	0	2	0	.2
	12	3.8	83	3.6	97	1000.0	31	15	4	4	1	6	4	3	2	0	1	8	.6
	18	2.1	85	3.7	97	1006.4	1	18	5	4	3	8	5	5	2		2	2	.6
22	0	.5	91	3.5	98	1012.3	35	14	4			8					2	2	.
	6	.0	75	3.5	98	1014.6	27	2	1		1	6	5	0	7	9	1	2	.
	12	4.0	78	3.5	97	1013.2	18	12	4	3	1	1	0	0	0	1	2	2	.
	18	5.6	78	3.6	97	1007.2	18	19	5	3	1	8	8	0	1		3	1	.
23	0	3.9	94	3.6	96	998.1	16	28	7*		4	8					61	6	1.0
	6	5.0	96	3.5	96	991.0	17	23	6*	5	4	8	8	6			61	6	2.5
	12	5.0	73	3.6	97	992.0	22	25	6*	5	4	2	2	5	0	0	1	0	.
	18	4.7	84	3.6	97	994.1	23	26	6*	5	5	7	7	5			2	6	2.4
24	0	4.7	84	3.5	98	994.7	20	22	6*		4	6					3	2	.
	6	4.5	93	3.6	98	996.9	27	21	5	5	3	8	8	5			2	6	.6
	12	4.7	90	3.7	96	1002.7	23	20	5	4	3	8	5	7	2		10	2	.
	18	5.0	90	3.7	97	1008.1	24	16	5	4	3	7	5	5	9		3	2	.
25	0	3.8	94	3.6	97	1010.2	21	16	5			0	0	0	0	0	2	2	.
	6	3.3	91	3.6	96	1007.5	19	24	6*	4	3	8	8	5			10	0	.
	12	5.5	96	3.6	95	1003.8	23	25	6*	4	4	8	8	6			63	6	3.0
	18	5.0	88	3.8	97	1002.8	23	12	4	5	3	3	1	7	9	0	2	6	4.2
26	0	5.2	94	3.6	97	991.7	23	25	6*			8					61	6	5.0
	6	3.2	97	3.6	96	986.4	24	50	10**		12	8	8	6			81	8	5.0
	12	4.3	81	4.0	96	996.9	29	27	6*	5	10	8	8	7			81	8	9.0
	18	5.0	86	4.1	97	1003.9	27	27	6*	5	6	4	4	4	0	0	25	8	10.0
27	0	4.9	84	4.1	98	1004.9	21	22	6*	5	4	8					3	0	.
	6	4.5	88	4.0	97	1005.2	22	28	7*	4	3	7	4	5	2		3	1	.
	12	5.3	91	4.3	97	1005.0	19	18	5	3	2	8	8	5			2	2	.
	18	6.6	97	4.1	96	1002.4	22	26	6*	4	3	8	5	7	2		61	6	4.5
28	0	5.6	93	4.0	98	1007.4	22	17	5			2					2	0	.
	6	5.2	91	4.1	97	1009.8	22	20	5	3	2	5	0	0	0	6	3	0	.
	12	5.9	94	4.3	96	1010.8	18	13	4	3	1	8	8	5			10	2	.
	18	7.1	99	4.2	94	1007.2	18	20	5	4	2	8	8	6			60	6	2.0
29	0	6.6	93	4.2	97	1005.0	18	19	5		1	4					1	1	.
	6	6.9	88	3.9	97	1002.3	16	20	5		1	8	8	0	7		2	2	.
	12	7.6	86	4.5	97	1005.9	25	19	5		2	4	0	0	0	5	1	2	.
	18	7.2	84	4.3	97	1008.1	23	12	4		1	2	0	0	0	2	2	0	.
30	0	6.3	84	4.4	97	1010.2	18	13	4		1	0	0	0	0	0	1	0	.
	6	5.5	93	4.3	98	1009.0	20	11	4		1	2	0	0	0	2	1	1	.
	12	9.5	84	4.6	97	1009.7	27	4	2	0	0	8	8	0	2		2	2	.
	18	5.7	94	4.2	96	1009.2	36	6	2	0	0	8	8	7			61	6	.4
31	0	5.0	99	4.6	97	1009.5	6	13	4		1	8					61	6	5.0
	6	4.7	97	4.2	98	1009.8	3	6	2		1	6	6	0	3	0	1	2	6.0
	12	6.3	85	4.6	97	1010.8	5	9	3		1	6	6	0	3	0	2	2	.
	18	7.0	93	4.3	97	1009.4	9	13	4		1	8	8	0	2		2	2	.

1978 APRIL FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	6.5	99	4.6	95	1008.9	11	13	4		1	8					21	6	.4
	6	6.0	99	4.2	94	1007.5	9	11	4		1	8	8	6			51	5	.9
	12	6.9	93	4.8	95	1007.3	9	14	4		1	8	8	6			10	5	2.0
	18	5.7	97	4.4	95	1006.1	9	13	4		1	8	8	6			10	6	2.0
2	0	5.5	99	5.0	91	1006.9	9	15	4		1	8	8	6			45	4	.
	6	4.9	97	4.6	93	1007.8	9	9	3		1	8	8	6			45	4	.
	12	5.0	91	4.8	96	1010.1	5	16	5		1	8	8	6			10	4	.1
	18	5.3	94	4.5	95	1011.2	7	23	6*		2	8	8	0	2		10	2	.1
3	0	5.2	94	4.3	97	1015.0	7	24	6*		2	8					3	2	.
	6	4.0	91	4.2	97	1016.8	7	26	6*	5	3	8	8	0	2		2	2	.
	12	5.0	91	4.5	97	1019.1	7	25	6*	4	3	8	8	0	2		2	2	.
	18	5.3	93	4.7	97	1018.4	7	24	6*	5	3	8	8	0	2		2	2	.
4	0	4.0	86	4.3	96	1020.1	7	20	5		3	8					10	2	.
	6	3.3	95	4.4	94	1020.1	5	17	5		2	8					10	2	.
	12	5.0	88	4.7	96	1020.5	5	15	4	4	2	3	0	0	0	2	10	1	.
	18	5.2	91	4.4	98	1021.0	5	19	5		2	6	6	0	2	0	2	2	.
5	0	4.8	93	4.6	97	1024.1	5	19	5		1	0	0	0	0	0	2	0	.
	6	4.0	70	4.8	98	1025.6	7	18	5		1	2	0	0	0	2	3	0	.
	12	4.5	81	4.4	98	1027.2	5	19	5	5	1	4	0	0	0	2	3	1	.
	18	5.0	73	4.7	98	1027.9	5	18	5	4	1	1	0	0	0	2	2	0	.
6	0	2.6	78	5.0	98	1029.9	7	14	4		1	0	0	0	0	0	2	0	.
	6	2.4	75	4.5	98	1031.4	9	12	4		1	0	0	0	0	0	2	0	.
	12	5.0	79	4.4	98	1032.5	7	8	3		1	0	0	0	0	0	2	0	.
	18	4.3	79	4.7	98	1030.3	29	11	4		1	7	7	0	3		3	2	.
7	0	4.1	84	5.0	98	1028.5	36	6	2		1	3					1	1	.
	6	4.4	84	4.6	98	1025.2	27	12	4		1	8	0	0	0	1	1	1	.
	12	5.5	90	5.0	97	1021.5	27	14	4		1	8	8	0	2		2	2	.
	18	5.3	87	5.0	97	1017.6	33	17	5	5	2	8	8	0	2		2	2	.
8	0	4.7	97	5.0	92	1016.8	7	9	3		1	8	8	6			47	4	.
	6	4.8	91	5.0	96	1016.9	5	9	3		1	0	0	0	0	0	10	4	.
	12	5.0	91	5.5	96	1017.4	5	6	2		1	0	0	0	0	0	10	0	.
	18	6.0	92	5.2	96	1016.1	34	11	4		1	0	0	0	0	0	10	0	.
9	0	5.7	96	4.9	97	1015.3	2	8	3		1	0	0	0	0	0	2	0	..
	6	2.8	97	4.7	92	1014.2	2	8	3		1	0	0	0	0	0	44	4	.
	12	4.0	94	5.1	95	1013.3	7	4	2		1	8	8	0	2		10	2	.
	18	3.1	98	5.8	92	1010.0	34	11	4		1	0	0	0	0	0	46	4	.
10	0	5.7	93	5.0	97	1005.6	29	6	2		1	3					3	4	.
	6	4.7	93	5.2	96	1004.0	23	12	4		1	8	8	0	2		10	2	.
	12	5.8	87	4.7	96	1003.2	20	11	4		1	8	8	6			10	6	.0
	18	5.0	88	5.3	97	1004.1	25	9	3		1	8	8	6			61	6	.0

1978 APRIL FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	4.0	81	5.0	98	1005.0	27	6	2		1	8					2	2	.2
	6	4.7	77	5.0	98	1004.8	27	6	2		1	8	8	5			2	2	.2
	12	4.0	85	4.8	96	1003.2	8	14	4	3	2	8	8	5			10	2	.
	18	1.6	93	5.0	97	1004.4	30	19	5	4	3	8	7	2			22	6	1.8
12	0	3.0	92	4.4	98	1005.5	25	19	5			0	0	0	0	0	2	2	.
	6	2.9	84	4.5	98	1006.9	25	28	7*	4	3	8	7	5			2	7	1.7
	12	4.5	77	4.6	97	1008.3	23	28	7*	4	4	6	4	5	9		2	2	.
	18	3.3	92	5.0	96	1008.1	23	27	6*	4	4	8	8	6			61	6	2.0
13	0	2.4	94	5.0	97	1008.9	23	11	4	5	2	8					2	6	2.0
	6	2.9	86	5.0	98	1007.9	23	10	3	4	1	8	8	5			2	2	2.0
	12	4.7	78	5.6	97	1007.0	20	6	2	3	1	3	1	1	3	0	1	2	.
	18	4.3	71	5.4	98	1005.0	1	10	3	5	1	4	0	0	0	2	2	0	.
14	0	4.3	93	5.2	98	1004.1	4	12	4			8	8	5			2	2	.
	6	3.5	85	5.0	97	1003.8	3	15	4	4	2	6	2	0	4	6	3	2	.
	12	4.7	73	5.2	97	1006.1	1	18	5	3	2	7	4	7	2		2	2	.
	18	4.4	82	5.5	98	1008.1	36	15	4	4	2	8	4	7	2		2	2	.
15	0	5.2	80	5.2	98	1011.0	2	16	5			6					2	2	.
	6	5.0	79	5.1	97	1013.0	35	14	4	3	2	6	4	3	0	1	2	2	.
	12	5.5	78	6.0	98	1015.1	33	15	4	4	2	4	4	1	0	0	2	2	.
	18	5.5	76	6.0	98	1015.4	32	18	5	4	2	4	4	2	0	0	2	0	.
16	0	4.1	84	5.2	98	1015.6	31	15	4		2	3					2	0	.
	6	4.0	81	5.5	98	1015.3	29	7	3	4	1	5	5	5	0	0	2	0	.
	12	8.5	69	5.5	98	1018.2	32	4	2	4	1	0	0	0	0	0	2	0	.
	18	6.1	85	5.4	98	1018.9	36	8	3	5	1	3	1	5	9	0	3	0	.
17	0	5.6	92	5.6	98	1020.9	35	11	4			0	0	0	0	0	2	0	.
	6	4.9	81	5.2	98	1021.3	36	9	3	4	1	2	0	0	0	5	3	0	.
	12	6.4	81	6.0	98	1023.2	27	10	3	3	1	4	2	1	0	9	3	0	.
	18	5.7	70	7.1	98	1021.8	32	10	3	4	1	6	4	0	5	6	3	0	.
18	0	5.3	82	6.3	98	1021.5	19	10	3			7					2	2	.
	6	5.5	86	5.5	98	1019.9	16	11	4		1	6	4	0	4	9	2	2	.
	12	10.4	77	6.6	96	1019.3	13	9	3		1	0	0	0	0	0	10	2	.
	18	8.2	75	6.8	97	1017.2	7	9	3		1	4	0	0	0	5	3	0	.
19	0	6.8	76	6.1	97	1018.4	11	17	5		1	0	0	0	0	0	2	2	.
	6	5.3	73	5.4	96	1018.8	11	19	5	5	2	0	0	0	0	0	10	2	.
	12	8.3	70	6.3	97	1018.9	9	17	5	3	2	0	0	0	0	0	2	0	.
	18	8.4	64	6.4	98	1017.8	7	19	5	3	2	0	0	0	0	0	2	0	.
20	0	5.0	86	5.6	97	1016.8	10	21	5			0	0	0	0	0	2	0	.
	6	3.8	85	5.4	96	1014.7	11	23	6*	4	2	0	0	0	0	0	10	0	.
	12	6.0	85	5.5	95	1013.8	10	17	5	4	2	8	8	5			10	2	.
	18	9.2	74	5.6	96	1011.6	9	18	5	4	1	0	0	0	0	0	5	2	.

1978 APRIL FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	5.7	96	5.2	96	1012.8	9	13	4		2	7					10	0	.
	6	6.9	79	5.6	95	1013.8	9	15	4		1	4	4	0	1	0	10	0	.
	12	6.9	93	5.3	95	1015.8	7	7	3		1	8	8	6			10	2	.
	18	8.0	87	5.8	95	1017.3	32	13	4		1	8	8	5			10	2	.
22	0	6.2	96	5.6	95	1019.3	34	12	4		1	0	0	0	0	0	10	2	.
	6	6.3	94	5.5	95	1021.0	30	8	3		1	7	3	6	3		10	2	.
	12	7.8	90	5.6	91	1022.4	29	10	3		1	8	8	6			47	2	.
	18	5.7	97	5.6	91	1023.5	30	10	3	4	1	8	8	6			45	4	.0
23	0	4.3	99	6.0	91	1025.0	32	7	3			8	8	6			45	4	.0
	6	4.5	97	5.5	91	1025.0	99	3	1		0	8	8	6			45	4	.8
	12	4.6	97	6.0	92	1024.8	1	4	2	0	0	8	8	6			45	4	.0
	18	4.5	94	6.0	95	1021.7	34	8	3	0	0	8	8	6			10	4	.0
24	0	3.7	97	5.6	95	1019.0	33	7	3		1	8					10	2	.
	6	4.2	97	6.0	93	1015.7	31	7	3		1	8	8	6			47	4	.
	12	5.3	93	5.6	96	1012.5	29	12	4		1	8	8	6			10	4	.
	18	6.2	92	6.8	98	1010.1	33	17	5	4	2	8	8	5			2	2	.
25	0	4.9	67	5.8	98	1009.5	32	16	5		3	6					3	2	.
	6	4.6	78	6.4	98	1009.9	36	17	5		2	4	3	5	0	2	2	1	.
	12	4.5	75	5.8	98	1010.9	5	8	3	4	2	8	8	5			2	2	.
	18	6.0	75	6.7	98	1010.9	2	10	3		1	7	7	0	3		2	2	.
26	0	5.1	73	5.0	98	1010.2	7	17	5		2	8					2	2	.
	6	4.3	77	5.7	98	1010.2	9	19	5	4	2	7	7	0	3		2	2	.
	12	5.8	74	5.5	98	1009.9	9	27	6*	5	2	8	7	8			3	2	.
	18	6.2	70	5.1	97	1008.1	9	24	6*	4	2	6	0	0	0	4	2	2	.
27	0	3.8	79	5.6	98	1007.4	9	33	7*		3	8					2	2	.
	6	3.4	82	5.6	98	1007.5	9	24	6*	5	3	7	7	0	2		1	2	.
	12	6.6	84	5.5	97	1007.5	9	30	7*	5	3	8	8	0	2		3	2	.
	18	4.5	96	5.5	95	1008.5	7	25	6*	5	3	8	8	0	2		64	6	11.0
28	0	3.9	94	5.3	97	1010.1	7	30	7*		2	8					2	6	1.0
	6	4.0	92	5.6	98	1011.1	9	18	5	5	3	8	8	0	2		2	2	1.0
	12	4.6	93	5.6	97	1012.9	9	19	5	4	2	8	8	6			2	6	.6
	18	6.2	86	5.4	97	1012.5	9	13	4	4	1	8	8	0	2		2	2	.6
29	0	5.3	94	5.4	98	1012.2	9	19	5		2	8					1	2	.
	6	4.5	93	5.6	97	1010.5	9	16	5	4	2	8	8	7			61	6	.7
	12	5.9	90	5.6	96	1010.1	9	18	5	5	2	8	8	0	2		10	2	2.0
	18	6.6	92	5.7	96	1008.9	7	18	5	4	1	3	3	0	2	0	10	2	2.4
30	0	5.2	90	5.8	96	1008.3	7	19	5		2	5					10	2	.
	6	5.2	94	5.4	98	1007.1	7	21	5	5	2	7	6	0	6		1	2	.
	12	7.0	88	5.9	96	1007.1	7	19	5	4	2	6	0	0	0	2	10	1	.
	18	7.7	92	5.4	97	1006.5	7	19	5	5	2	8	8	0	2		3	2	.

1978 MAI FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	6.2	85	5.6	97	1007.1	7	25	6*		2	8					2	2	3.0
	6	5.6	92	5.8	96	1004.8	7	25	6*		3	8	0	0	0	2	60	6	5.5
	12	6.9	92	5.7	97	1003.4	7	17	5	5	2	8	8	7			61	6	.3
	18	8.4	85	5.8	97	1002.2	5	25	6*	5	2	2	0	0	0	2	1	6	.3
2	0	6.1	88	5.4	98	1003.1	5	25	6*		3	8					2	2	.0
	6	5.4	83	5.6	98	1004.9	5	29	7*	4	3	1	0	0	0	2	1	0	.0
	12	7.7	85	5.7	97	1006.8	5	15	4	5	3	3	0	0	0	2	2	0	.
	18	8.7	86	5.8	97	1008.8	5	13	4	4	1	3	0	0	0	2	2	0	.
3	0	7.3	86	6.2	98	1012.4	5	13	4		1	0	0	0	0	0	2	0	.
	6	5.9	82	5.8	98	1013.9	11	13	4		1	0	0	0	0	0	2	0	.
	12	8.3	81	6.8	98	1015.9	7	11	4		1	0	0	0	0	0	1	0	.
	18	9.5	80	6.2	98	1014.8	7	14	4		1	4	0	0	0	5	2	2	.
4	0	7.7	78	5.6	97	1015.0	7	10	3		1	6					80	2	.0
	6	7.8	88	6.1	97	1015.0	14	10	3		1	6	0	0	0	2	1	6	.4
	12	13.7	82	6.4	95	1016.1	16	2	1		1	1	0	0	0	2	10	1	.
	18	10.3	91	6.2	95	1016.9	36	7	3		1	5	0	0	0	2	10	1	.
5	0	8.2	94	5.9	96	1017.1	2	11	4		1	0	0	0	0	0	10	0	.
	6	7.7	93	6.2	95	1016.1	7	11	4		1	0	0	0	0	0	10	0	.
	12	11.1	95	6.9	95	1014.1	9	16	5		1	7	7	0	2		10	2	.
	18	11.6	88	6.8	97	1011.9	9	15	4		1	7	7	0	7		3	2	.
6	0	10.0	87	7.0	97	1011.4	7	16	5		1	8					2	2	.
	6	8.8	90	6.8	98	1009.9	5	19	5		1	4	0	0	0	5	1	6	.0
	12	9.7	90	6.5	96	1008.3	5	15	4		1	4	4	0	3	0	10	1	.
	18	10.5	87	6.8	97	1007.8	5	20	5	5	2	8	8	0	2		3	2	.
7	0	9.1	89	6.3	97	1007.6	5	23	6*		2	8					21	6	.3
	6	8.6	85	6.7	98	1007.9	5	25	6*	5	3	8	8	0	2		2	2	.3
	12	8.9	86	6.3	97	1009.9	7	23	6*	5	3	8	6	7	2		2	2	.
	18	10.0	90	6.9	97	1011.2	7	22	6*	5	3	8	8	0	2		2	2	.
8	0	9.5	82	6.3	98	1012.0	7	22	6*		3	8					2	2	.
	6	8.7	86	6.7	98	1013.1	5	19	5	4	3	7	7	0	8		2	6	.0
	12	10.7	80	7.2	98	1013.9	5	16	5	5	2	1	0	0	0	2	1	0	.
	18	10.9	85	6.9	98	1015.9	5	15	4		1	0	0	0	0	0	2	0	.
9	0	8.2	92	6.7	98	1018.1	5	11	4		1	0	0	0	0	0	2	0	.
	6	8.5	84	6.8	98	1019.9	5	6	2		1	0	0	0	0	0	2	0	.
	12	10.0	78	8.1	97	1021.6	35	12	4		1	0	0	0	0	0	2	0	.
	18	9.6	82	8.5	97	1022.1	30	16	5		1	2	0	0	0	9	3	0	.
10	0	9.6	81	7.5	98	1023.0	36	9	3			4					2	0	.
	6	8.4	87	7.9	97	1024.7	3	18	5	3	1	6	6	0	8	0	1	0	.
	12	8.0	74	7.0	97	1028.2	5	19	5	4	2	8	8	5			2	2	.
	18	7.8	73	7.5	98	1029.4	5	15	4	3	1	6	6	5	0	0	3	2	.

1978 MAI FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	5.8	65	6.6	98	1032.2	6	19	5		2	1					2	2	.
	6	6.1	52	7.2	98	1032.9	1	7	3		1	0	0	0	0	0	2	0	.
	12	8.4	47	7.2	98	1032.0	36	12	4		1	1	1	1	0	0	2	0	.
	18	7.1	60	8.1	98	1028.5	32	10	3		1	0	0	0	0	0	2	0	.
12	0	6.5	63	7.0	98	1022.9	16	8	3	0	0	8					3	0	.
	6	5.0	87	7.0	96	1015.2	20	21	5	6	2	8	4	7	2		10	2	.
	12	4.0	94	6.5	96	1009.4	13	22	6*	4	2	8	5	7	2		61	6	2.0
	18	5.0	88	7.1	96	1007.8	11	14	4	3	2	8	6	7	2		61	6	4.0
13	0	5.4	83	7.0	97	1007.0	33	11	4			8					2	6	3.0
	6	6.0	73	7.5	97	1006.8	9	8	3		1	8	8	0	1		2	2	2.5
	12	8.1	66	7.4	97	1008.4	6	6	2		1	5	0	0	0	1	2	2	.
	18	8.4	62	8.4	97	1009.7	4	12	4		1	1	0	0	0	2	1	2	.
14	0	7.0	87	7.1	98	1011.0	9	16	5		1	8					2	2	.
	6	7.4	75	7.4	96	1011.2	10	9	3		1	6	6	0	1	0	10	2	.
	12	9.0	70	7.5	97	1012.9	7	8	3	0	0	6	0	0	0	6	2	2	.
	18	8.3	77	7.8	97	1012.2	6	7	3	0	0	4	4	0	1	0	2	2	.
15	0	8.5	75	7.5	97	1012.6	11	10	3	0	0	0	0	0	0	0	1	0	.
	6	8.0	92	7.4	95	1012.2	9	8	3		1	5	0	0	0	9	10	0	.
	12	7.4	91	7.5	95	1013.4	6	9	3		1	0	0	0	0	0	10	4	.0
	18	9.2	91	8.3	96	1013.5	2	15	4		1	0	0	0	0	0	10	0	.0
16	0	8.5	89	7.5	98	1015.1	7	10	3			0	0	0	0	0	2	0	.
	6	9.0	88	8.0	96	1016.0	12	5	2		1	5	5	0	3	0	10	0	.
	12	11.3	74	8.5	96	1017.9	33	2	1	0	0	1	0	0	0	5	10	0	.
	18	9.7	92	9.3	96	1017.6	35	14	4		1	0	0	0	0	0	10	0	.
17	0	8.7	90	8.0	97	1019.1	1	11	4	0	0	0	0	0	0	0	2	0	.
	6	8.3	94	7.5	96	1019.8	36	10	3		1	0	0	0	0	0	10	0	.
	12	9.0	89	8.5	96	1021.0	35	9	3		1	4	0	0	0	5	10	0	.
	18	8.8	85	7.8	96	1020.7	36	14	4	2	1	1	0	0	0	5	10	2	.
18	0	8.5	85	8.5	97	1020.9	1	10	3		1	0	0	0	0	0	2	0	.
	6	8.4	92	7.8	96	1020.8	3	9	3		1	6	4	5	1	0	10	0	.
	12	10.3	80	9.0	96	1020.7	2	10	3		1	0	0	0	0	0	10	2	.
	18	10.5	84	8.1	96	1019.0	1	17	5		2	0	0	0	0	0	10	0	.
19	0	10.5	85	8.5	97	1018.9	6	13	4			0	0	0	0	0	2	0	.
	6	9.3	91	7.8	96	1017.8	7	13	4	3	1	6	6	0	3	0	10	0	.
	12	11.0	88	8.5	96	1016.2	6	18	5	3	1	8	8	5			10	2	.
	18	12.6	83	7.8	96	1014.6	6	19	5	3	1	7	7	0	7		10	2	.
20	0	10.1	90	8.1	96	1015.5	9	16	5		2	8					61	6	.6
	6	9.2	95	7.6	96	1015.0	6	17	5	3	2	8	8	6			61	6	1.8
	12	12.1	83	8.3	96	1015.1	5	11	4		1	7	4	6	8		10	2	.
	18	11.7	93	8.3	95	1014.9	7	9	3	0	0	8	8	5			10	2	.

1978 MAI FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	10.4	94	8.8	96	1014.1	2	13	4		1	8					10	2	.
	6	10.0	93	8.1	95	1013.0	7	13	4	2	1	6	6	6	0	0	10	2	.
	12	12.6	83	8.5	96	1012.1	10	12	4		1	8	5	7	6		10	2	.
	18	11.6	93	8.3	96	1010.9	12	10	3	2	1	7	3	7	9		10	2	.
22	0	9.6	96	8.6	96	1009.9	32	4	2			8					10	2	.
	6	10.0	94	8.2	95	1007.7	26	4	2	0	0	8	8	5			10	2	.
	12	10.5	94	9.1	95	1004.4	35	15	4		1	3	0	0	0	5	10	0	.
	18	11.8	88	9.2	96	1001.4	35	20	5	4	2	6	4	0	1	2	10	1	.
23	0	11.6	93	8.8	96	999.1	2	16	5		2	6					10	2	.
	6	11.1	98	8.5	95	998.4	2	12	4		1	8	8	5			10	2	.
	12	10.7	94	9.2	94	999.3	3	12	4		1	8	8	6			51	2	.4
	18	10.8	93	9.2	95	1001.8	36	15	4		1	8	8	0	2		10	2	.6
24	0	11.2	96	9.3	96	1004.3	36	15	4		1	8					21	6	2.0
	6	10.2	92	9.2	93	1007.1	32	17	5		1	8	8	6			47	4	2.6
	12	11.5	94	8.4	95	1008.4	32	14	4		1	8	8	0	2		10	2	.
	18	10.1	96	9.2	92	1013.1	28	13	4		1	8	8	6			45	4	.
25	0	9.1	96	8.9	96	1015.1	29	9	3		1	8					10	2	.0
	6	10.2	98	9.4	91	1017.9	24	5	2		1	8	8	6			47	4	.0
	12	11.3	93	8.9	96	1020.6	34	11	4		1	8	6	0	1		10	4	.
	18	10.8	93	8.9	97	1022.4	34	13	4	5	2	7	7	0	2		1	4	.
26	0	9.6	98	9.6	97	1024.4	34	13	4		1	0	0	0	0	0	1	0	.
	6	10.3	98	9.6	92	1025.1	9	6	2		1	8	8	6			47	4	.
	12	10.2	93	9.4	91	1026.9	34	6	2		1	8	8	6			45	4	.
	18	13.2	92	9.6	97	1026.0	32	10	3		1	0	0	0	0	0	2	4	.
27	0	11.5	95	9.4	98	1026.1	5	14	4		1	0	0	0	0	0	2	0	.
	6	11.2	92	9.4	95	1026.1	5	7	3		1	0	0	0	0	0	10	0	.
	12	15.6	94	9.4	95	1027.7	34	4	2	0	0	0	0	0	0	0	10	0	.
	18	13.2	95	9.5	96	1027.0	34	10	3		1	2	0	0	0	2	10	0	.
28	0	10.9	96	9.4	98	1027.5	36	11	4		1	0	0	0	0	0	2	0	.
	6	10.8	85	9.6	98	1027.9	36	11	4		1	0	0	0	0	0	2	0	.
	12	13.3	86	10.2	98	1028.6	36	11	4		1	0	0	0	0	0	2	0	.
	18	13.8	92	10.4	98	1028.0	34	12	4		1	0	0	0	0	0	1	0	.
29	0	10.3	98	9.7	92	1028.6	34	4	2		1	8	8	6			47	4	.
	6	9.7	98	10.2	92	1028.8	36	6	2	0	0	8	8	6			45	4	.6
	12	13.8	98	10.1	92	1029.2	34	3	1		1	8	8	6			45	4	.
	18	11.3	98	10.2	92	1027.2	34	11	4		1	8	8	6			45	4	.
30	0	12.4	94	10.1	98	1027.5	36	9	3		1	0	0	0	0	0	2	0	.
	6	12.7	96	9.9	97	1026.9	2	10	3		1	0	0	0	0	0	2	0	.
	12	15.9	90	10.5	96	1027.0	5	9	3		1	0	0	0	0	0	10	0	.
	18	14.4	86	11.6	97	1024.2	36	11	4		1	0	0	0	0	0	2	0	.
31	0	13.9	92	10.3	97	1024.9	7	11	4		1	0	0	0	0	0	2	0	.
	6	13.2	88	10.7	98	1024.6	7	9	3		1	0	0	0	0	0	2	0	.
	12	15.1	91	12.1	98	1024.9	7	11	4		1	0	0	0	0	0	2	0	.
	18	15.9	85	12.5	98	1022.8	5	12	4		1	0	0	0	0	0	2	0	.

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Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	15.4	87	11.1	98	1022.8	5	11	4		1	0	0	0	0	0	2	0	.
	6	13.3	92	10.3	97	1023.0	12	11	4		1	0	0	0	0	0	2	0	.
	12	15.6	92	12.3	97	1023.5	9	6	2	0	0	0	0	0	0	0	2	0	.
	18	19.1	70	12.3	97	1022.1	7	8	3		1	0	0	0	0	0	2	0	.
2	0	12.6	81	10.7	98	1022.2	7	11	4	0	0	6					3	2	.
	6	14.5	91	10.5	97	1021.8	7	11	4	0	0	2	0	0	0	4	2	0	.
	12	21.3	74	13.6	96	1021.9	0	0	0	0	0	0	0	0	0	0	10	0	.
	18	16.4	87	12.6	96	1021.2	29	8	3		1	6	0	0	0	2	10	2	.
3	0	14.0	94	12.6	96	1021.2	29	8	3		1	8					10	2	.
	6	13.6	91	11.1	96	1021.1	25	6	2		1	7	7	0	2		10	2	.
	12	14.0	90	11.6	96	1021.1	7	6	2		1	0	0	0	0	0	10	0	.
	18	15.4	92	12.3	96	1019.9	34	6	2	0	0	0	0	0	0	0	10	0	.
4	0	12.5	98	11.4	91	1019.1	1	5	2	0	0	8	8	6			45	4	.
	6	13.4	98	11.2	91	1018.1	2	3	1		1	8	8	6			45	4	.
	12	13.5	94	11.3	91	1018.1	2	6	2		1	8	8	6			45	4	.
	18	15.6	94	12.0	96	1016.2	4	9	3		1	0	0	0	0	0	10	4	.
5	0	15.6	95	12.1	97	1016.4	9	9	3		1	8					3	2	.
	6	14.6	90	11.4	97	1016.1	18	9	3		1	1	0	0	0	0	1	1	.
	12	20.1	82	12.4	96	1017.2	27	8	3	0	0	0	0	0	0	0	10	0	.
	18	15.9	77	11.4	98	1017.2	32	5	2		1	5	0	0	0	2	3	1	.
6	0	14.2	96	13.4	96	1017.1	29	6	2		1	8					10	2	.
	6	15.2	96	11.2	95	1016.9	5	6	2	0	0	4	0	0	0	5	10	2	.
	12	18.4	84	13.3	95	1015.4	9	7	3	0	0	7	7	0	8		10	4	.
	18	16.6	94	11.6	95	1013.0	11	9	3	0	0	7	7	0	9		10	2	.
7	0	15.2	97	14.3	97	1012.4	18	9	3	0	0	8					2	9	9.0
	6	13.6	98	12.1	91	1011.8	25	5	2	0	0	8	8	6			45	4	9.0
	12	14.7	93	14.0	95	1012.1	25	9	3		1	8	7	5			10	6	.1
	18	14.5	90	12.6	97	1012.0	23	7	3		1	8	8	5			2	2	.1
8	0	13.4	90	13.5	98	1011.5	25	11	4		1	8					2	2	.
	6	12.2	99	11.6	96	1009.8	25	17	5	3	1	8	7	7			61	2	2.0
	12	13.0	86	11.9	97	1013.3	27	21	5	4	2	2	0	0	0	1	1	6	.0
	18	12.4	77	11.6	98	1014.7	27	27	6*	6	4	5	1	1	7	1	3	0	.4
9	0	11.8	83	11.2	97	1013.7	27	17	5			6					2	2	.
	6	12.1	97	12.2	95	1011.3	20	13	4	4	3	4	0	0	0	5	10	2	.
	12	12.3	88	11.3	97	1012.5	28	20	5	3	3	2	2	1	0	0	1	2	.
	18	12.0	78	11.9	97	1012.9	27	24	6*	4	4	8	8	5			2	2	.
10	0	11.0	85	11.3	97	1011.5	28	20	5	4	4	8					2	6	.2
	6	11.2	87	12.0	97	1010.5	27	21	5	4	4	6	3	5	9	0	2	6	.3
	12	12.4	85	13.1	97	1011.9	28	22	6*	5	4	7	4	3	6		1	6	1.0
	18	12.0	83	12.0	98	1014.1	29	24	6*	4	4	4	4	5	0	0	1	2	.8

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Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	11.5	80	13.2	98	1016.0	29	25	6*		6	8					2	2	.
	6	10.8	91	13.0	96	1018.9	29	29	7*	5	7	8	5	7	2		80	2	.0
	12	12.3	75	14.0	97	1021.8	31	26	6*	4	6	8	8	5			2	8	.3
	18	12.5	85	13.5	97	1020.3	29	25	6*	5	6	8	5	5	2		2	2	.3
12	0	11.1	89	13.0	97	1015.6	29	30	7*			8					60	2	.3
	6	10.0	86	13.1	97	1011.0	31	30	7*	4	7	6	6	9	0	0	25	8	.5
	12	11.0	83	13.5	98	1012.2	31	28	7*	7	8	8	8	5			80	8	.4
	18	11.8	87	13.7	97	1013.3	32	20	5	4	5	7	2	5	3		2	8	.6
13	0	11.4	90	13.6	97	1014.9	32	25	6*		5	5					2	2	.
	6	11.4	84	13.8	97	1015.0	33	19	5	4	4	8	8	5			2	2	.
	12	11.6	84	13.7	97	1016.5	31	17	5	4	3	8	6	5	2		3	2	.
	18	12.6	85	15.0	97	1015.9	31	14	4	4	2	6	4	5	3	0	2	2	.
14	0	12.3	87	13.7	97	1016.5	32	16	5		2	7					2	2	.
	6	12.5	92	13.5	97	1015.6	32	15	4	4	2	8	6	5	2		2	2	.
	12	13.0	89	14.0	97	1016.1	33	13	4	4	2	7	7	5			2	2	.
	18	12.2	89	14.5	98	1014.5	32	15	4	4	2	5	4	1	0	2	1	2	.
15	0	13.2	89	13.8	98	1014.0	32	11	4			8					2	2	.
	6	13.6	88	14.6	97	1012.9	35	9	3		1	1	1	5	0	0	1	2	.
	12	15.8	80	14.0	98	1012.4	0	0	0	0	0	2	1	5	0	2	1	1	.
	18	15.0	76	15.2	98	1009.5	5	11	4	3	1	1	0	0	0	2	2	0	.
16	0	14.2	74	14.0	98	1009.2	9	17	5		2	0	0	0	0	0	2	0	.
	6	14.0	79	14.5	98	1007.5	9	19	5		2	0	0	0	0	0	2	0	.
	12	15.5	59	13.5	98	1008.3	9	18	5	3	2	2	0	0	0	1	3	0	.
	18	14.9	76	14.2	98	1007.9	7	17	5	3	2	2	0	0	0	1	2	0	.
17	0	13.8	86	15.0	98	1011.1	9	19	5		2	0	0	0	0	0	2	0	.
	6	13.3	78	13.2	98	1012.6	8	14	4	2	1	0	0	0	0	0	2	0	.
	12	15.3	84	14.7	98	1013.8	6	18	5	3	1	0	0	0	0	0	2	0	.
	18	15.9	69	13.1	98	1015.2	5	21	5	4	2	0	0	0	0	0	2	0	.
18	0	13.6	70	13.6	98	1018.2	10	13	4	4	2	0	0	0	0	0	2	0	.
	6	11.5	94	13.0	98	1021.5	12	7	3	2	1	0	0	0	0	0	2	0	.
	12	14.8	52	15.5	98	1021.8	0	0	0	0	0	2	0	0	0	1	2	0	.
	18	14.0	84	13.2	98	1021.5	33	11	4	2	1	0	0	0	0	0	2	0	.
19	0	13.3	86	13.8	98	1020.9	2	5	2	0	0	0	0	0	0	0	2	0	.
	6	14.5	84	13.7	98	1020.2	0	0	0	0	0	0	0	0	0	0	2	0	.
	12	15.3	77	15.1	98	1019.3	36	6	2	0	0	3	0	0	0	6	3	0	.
	18	14.5	75	13.5	98	1018.0	36	9	3	0	0	0	0	0	0	0	2	0	.
20	0	12.3	92	14.8	98	1018.9	2	5	2		1	1					2	0	.
	6	12.2	84	12.8	98	1017.2	32	6	2		1	5	5	5	0	0	3	0	.
	12	12.9	75	15.5	98	1016.9	36	4	2	0	0	4	0	0	0	5	1	1	.
	18	13.0	84	12.7	98	1014.4	36	5	2		1	7	0	0	0	9	3	2	.

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Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	12.6	96	14.8	98	1012.1	7	8	3	0	0	3					1	0	.
	6	15.5	95	12.8	98	1010.5	16	13	4		1	0	0	0	0	0	1	0	.
	12	16.2	92	15.0	96	1009.1	18	6	2		1	0	0	0	0	0	10	0	.
	18	15.3	82	13.3	96	1008.5	26	6	2		1	8	6	6			29	6	1.0
22	0	14.0	94	12.8	98	1008.2	18	11	4		1	2					1	1	2.0
	6	13.5	88	12.6	98	1006.1	18	20	5		1	2	0	0	0	2	2	0	2.0
	12	16.9	78	14.9	97	1003.5	18	14	4		1	8	8	0	2		61	2	.
	18	14.0	92	14.3	97	1001.8	18	15	4	4	2	8	8	7			61	6	.8
23	0	13.9	91	12.7	98	1000.0	18	19	5		1	3					1	1	.3
	6	13.0	91	14.0	98	998.6	20	17	5	5	2	7	7	0	6		3	2	.3
	12	16.9	73	15.6	97	995.9	15	9	3		1	7	6	0	3		2	1	.
	18	13.2	89	15.0	98	993.4	23	19	5	5	2	3	0	0	0	1	25	8	6.0
24	0	12.2	87	14.8	98	991.1	22	27	6*	4	2	4					2	1	.
	6	11.3	89	15.2	97	993.3	23	28	7*	5	3	7	5	5	9	0	2	2	.
	12	13.2	81	14.5	97	994.3	23	20	5	5	3	8	8	7			60	6	.5
	18	12.7	90	14.2	97	997.2	23	18	5	5	3	7	5	6	2	0	3	6	1.0
25	0	12.2	82	14.0	98	999.8	20	19	5	5	3	0	0	0	0	0	2	0	.
	6	10.8	86	13.7	97	1000.8	23	26	6*	4	3	1	0	0	0	2	3	0	.
	12	13.2	83	14.8	98	1003.8	22	21	5	5	4	6	2	5	9	1	80	2	.0
	18	11.1	98	13.7	96	1004.9	23	22	6*	4	3	8	8	7			63	6	2.0
26	0	11.6	94	13.3	96	1004.0	20	18	5			4	8				63	6	13.0
	6	12.4	90	13.4	97	1003.2	29	23	6*	5	4	8	8	0	2		2	6	15.5
	12	12.5	90	13.6	97	1004.9	29	26	6*	5	4	8	7	7			2	6	.0
	18	11.8	93	13.3	98	1005.9	29	24	6*	6	5	8	8	6			25	6	.0
27	0	12.0	93	13.3	97	1006.2	29	23	6*			4	8				61	6	.5
	6	12.6	88	13.2	97	1007.1	32	21	5	6	4	8	7	6			2	6	.6
	12	12.9	85	13.1	98	1009.9	29	24	6*	5	4	7	7	7			2	2	.
	18	12.4	92	13.4	97	1011.4	32	21	5	5	4	8	7	6			2	6	.2
28	0	11.9	86	13.5	98	1013.4	29	17	5	5	3	8					2	2	.
	6	13.0	73	13.3	98	1013.1	29	15	4		3	8	8	0	5		2	2	.
	12	14.5	79	13.5	98	1014.0	25	13	4	4	1	3	0	0	0	2	1	1	.
	18	12.9	90	13.6	98	1013.9	23	7	3		1	8	8	7			2	6	.0
29	0	12.8	91	13.4	96	1012.2	23	20	5		1	8					10	6	.0
	6	13.8	91	13.7	98	1011.9	27	13	4		1	8	8	0	2		2	5	.0
	12	14.1	93	13.6	96	1014.2	22	10	3		1	8	7	0	8		10	2	.
	18	15.0	94	14.0	95	1013.2	15	11	4		1	8	8	6			65	6	2.4
30	0	14.1	98	13.9	95	1013.8	20	13	4		1	8					65	6	2.0
	6	13.7	95	13.4	96	1012.9	20	12	4		1	8	8	7			10	6	1.5
	12	14.7	93	13.6	96	1012.9	18	13	4		1	8	8	7			25	6	.5
	18	14.6	97	13.6	95	1013.9	23	6	2		1	8	8	7			63	8	3.0

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Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	13.1	88	13.7	98	1014.8	23	16	5		1	2					1	1	.0
	6	12.6	93	13.1	98	1016.3	28	24	6*	6	2	8	8	7			3	6	.2
	12	13.9	76	13.6	98	1018.9	27	15	4	5	2	8	8	6			2	6	.0
	18	14.6	89	13.7	98	1018.5	27	10	3		1	8	7	6	2		2	6	.0
2	0	12.8	93	13.4	98	1018.0	27	10	3		1	7					2	2	.
	6	13.5	84	13.3	98	1015.1	20	17	5		1	8	8	0	2		2	2	.
	12	14.4	88	13.3	96	1012.8	26	17	5		1	8	7	6	2		21	6	1.0
	18	14.0	99	13.4	96	1006.4	18	17	5	5	2	8	8	6			61	6	7.2
3	0	13.2	94	13.1	97	1004.6	27	19	5	5	1	8					2	6	1.0
	6	13.4	96	13.4	97	1003.0	23	9	3	4	1	8	7	7	1		60	2	1.2
	12	14.6	95	13.1	97	1000.1	23	13	4	5	2	8	7	7			2	6	2.0
	18	13.8	91	13.1	97	1000.1	23	23	6*	7	3	3	3	0	9	2	2	6	4.0
4	0	12.4	85	13.3	98	1001.3	26	11	4		1	3					2	0	.
	6	12.6	92	13.4	98	1000.7	20	17	5		1	3	3	0	3	0	2	0	.
	12	13.7	80	13.2	97	1001.1	18	18	5	5	2	6	4	3	8		2	2	.
	18	13.4	91	13.8	97	1001.1	20	17	5	4	2	6	4	3	9	0	1	8	.4
5	0	12.6	80	13.5	98	1002.1	23	10	3			7					2	2	.
	6	11.5	85	13.1	97	1002.4	22	15	4		1	7	7	5			2	2	.
	12	12.7	80	13.6	97	1004.3	23	16	5	4	2	8	5	5	9		2	2	.
	18	14.3	67	13.6	97	1004.4	99	3	1		0	5	2	3	8	2	2	2	.
6	0	12.8	79	13.7	98	1005.2	22	7	3	0	0	7					3	2	.
	6	12.4	88	13.4	98	1004.8	23	15	4	4	1	7	4	5	2		21	2	.0
	12	13.2	79	13.6	98	1005.1	27	18	5	5	3	7	4	2	3		1	6	1.0
	18	14.6	76	13.6	98	1006.9	27	24	6*	4	3	5	3	2	0	2	2	2	.9
7	0	12.6	83	13.6	98	1007.2	29	12	4		3	8					2	8	.0
	6	13.7	84	13.7	96	1006.3	29	11	4	5	3	8	5	2	6		63	2	.7
	12	13.3	92	13.6	98	1007.9	29	24	6*	3	4	6	2	3	6	9	2	8	3.0
	18	13.2	87	14.0	97	1010.5	29	23	6*	5	6	8	6	2	2		3	2	3.4
8	0	12.0	89	13.6	97	1010.5	29	23	6*			8					60	2	1.0
	6	13.7	79	13.6	97	1009.9	27	24	6*	5	6	8	4	5	7		2	6	.8
	12	13.6	86	13.6	96	1008.5	23	24	6*	5	6	8	8	5			60	6	1.0
	18	13.6	94	13.8	97	1007.7	26	18	5	5	6	7	4	5	3	1	2	6	2.0
9	0	13.2	83	13.6	98	1006.0	27	17	5		4	8					3	2	.
	6	13.1	87	13.9	97	1004.4	28	13	4	4	3	8	8	5			2	8	4.5
	12	13.4	75	14.0	98	1005.2	27	19	5	4	3	8	4	2	2		80	2	.3
	18	13.2	82	13.8	98	1006.9	29	15	4	4	3	7	4	2	2	2	2	2	.3
10	0	12.8	84	14.0	98	1008.5	32	7	3		2	8					2	5	.2
	6	13.4	81	13.6	98	1010.3	35	5	2	5	1	1	1	1	0	0	1	2	.2
	12	13.8	87	14.7	98	1013.0	32	11	4	5	2	3	3	3	0	0	2	0	.
	18	14.7	83	14.5	98	1013.2	32	14	4	5	2	0	0	0	0	0	1	0	.

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Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	13.5	93	14.5	98	1013.4	28	12	4			0	0	0	0	0	2	0	.
	6	13.4	86	14.5	98	1013.1	31	9	3	4	1	7	7	5			2	2	.
	12	14.1	97	14.8	98	1014.9	30	10	3	4	1	7	7	5			2	2	.
	18	13.5	82	15.0	98	1014.5	30	13	4	4	2	7	7	5			2	2	.
12	0	12.5	91	14.6	98	1015.0	31	11	4		1	8					2	2	.
	6	12.7	69	14.5	98	1014.9	31	9	3	4	1	8	8	5			2	2	.
	12	13.4	77	14.5	98	1017.1	29	11	4	4	1	8	8	5			2	2	.
	18	13.0	75	15.0	98	1018.5	32	15	4	4	1	8	8	5			2	2	.
13	0	12.9	72	14.3	98	1020.4	30	13	4		2	8					2	2	.
	6	13.0	90	14.5	98	1020.9	30	13	4	4	2	8	8	5			2	2	.
	12	12.4	87	14.4	98	1023.5	29	14	4	4	2	8	8	5			2	2	.
	18	13.0	84	14.6	98	1023.1	30	14	4	4	2	8	8	5			2	2	.
14	0	13.4	75	14.5	98	1023.0	30	13	4			8					2	2	.
	6	12.2	77	14.4	98	1021.8	31	18	5	4	2	8	8	5			2	2	.
	12	13.5	89	14.5	98	1021.9	30	19	5	4	3	8	8	5			2	5	.0
	18	13.0	84	14.5	98	1021.4	31	19	5	6	3	8	6	7	2		20	5	.0
15	0	12.3	84	14.8	98	1021.4	32	20	5		4	8					2	2	.
	6	11.8	80	14.2	97	1020.3	32	24	6*	5	4	8	8	5			2	2	.
	12	12.4	77	14.5	98	1021.2	33	24	6*	4	5	8	6	5	2		3	2	.
	18	13.7	76	14.2	97	1020.2	30	21	5	4	4	7	4	2	3	2	2	2	.
16	0	12.4	82	14.6	98	1018.5	29	18	5		4	8					2	2	.
	6	11.5	92	14.3	97	1015.1	30	15	4	4	3	7	5	2	0	9	60	2	2.2
	12	13.6	84	14.6	98	1015.4	30	21	5	5	4	7	4	3	7		2	2	.
	18	13.7	79	14.6	98	1016.5	31	19	5	4	3	7	7	8			1	6	.1
17	0	12.9	72	14.2	98	1017.9	30	16	5			8					2	2	.
	6	12.7	76	14.2	98	1017.9	31	21	5		3	6	2	3	3	2	2	2	.
	12	13.5	67	14.5	98	1019.3	31	16	5	5	3	5	2	2	9	4	2	2	.
	18	12.7	84	14.6	98	1018.4	33	8	3	4	2	3	2	4	0	2	1	2	.
18	0	12.7	71	14.4	98	1017.0	0	0	0			6					3	0	.
	6	12.7	76	14.0	98	1014.3	13	7	3	3	1	7	3	4	0	1	2	2	.
	12	18.9	72	15.0	98	1012.8	14	6	2		1	5	5	0	1	0	3	2	.
	18	14.4	84	14.6	98	1010.9	0	0	0	0	0	8	8	0	2		3	2	.
19	0	14.2	73	15.0	97	1010.0	23	4	2	0	0	8					2	2	.
	6	13.3	94	14.3	97	1008.7	23	5	2	0	0	8	8	0	2		20	5	.4
	12	14.2	86	15.0	97	1008.9	32	12	4		1	8	7	6			2	2	.
	18	14.6	76	15.0	98	1009.4	29	18	5	5	2	8	8	0	6		3	2	.
20	0	14.1	93	14.5	98	1006.8	29	17	5		2	8					3	2	.
	6	13.8	85	14.6	97	1003.6	29	20	5	5	3	8	7	6			2	6	3.2
	12	13.6	96	14.6	97	1001.1	25	17	5	4	3	8	8	7			25	6	5.0
	18	14.6	96	14.6	98	1003.9	26	26	6*	5	3	6	5	4	6	0	2	6	6.2

1978 JULI FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	12.3	90	14.8	97	1006.1	29	20	5		4	8					2	6	3.0
	6	12.7	95	14.7	95	1007.8	29	27	6*	4	5	8	8	7			65	6	5.0
	12	16.1	68	14.5	98	1009.2	29	21	5	5	4	6	6	2	0	0	1	6	4.0
	18	13.9	87	14.8	98	1013.8	29	25	6*	5	6	6	6	1	0	0	1	8	4.1
22	0	12.7	78	14.3	98	1017.1	29	19	5	5	4	8					2	2	.
	6	12.8	70	14.3	98	1018.8	29	15	4	5	2	7	7	6			1	2	.
	12	14.2	82	14.5	98	1020.4	23	8	3		1	4	0	0	0	5	1	2	.
	18	16.0	80	14.8	98	1020.2	14	8	3		1	4	0	0	0	5	3	2	.
23	0	14.7	89	14.5	97	1019.9	20	6	2			7					2	2	.
	6	15.0	84	14.6	97	1019.1	20	14	4		1	6	6	0	3	2	3	1	.
	12	14.9	92	14.7	98	1019.3	25	10	3		1	7	7	0	8		2	2	.
	18	17.0	82	15.4	97	1018.3	11	10	3		1	2	0	0	0	2	2	0	.
24	0	15.5	90	14.6	98	1017.7	18	12	4		1	8					2	2	.
	6	15.6	88	14.9	97	1015.8	20	10	3	3	2	6	4	8	2	0	3	1	.
	12	17.9	82	15.2	97	1017.1	23	10	3		1	7	7	6			20	5	.0
	18	16.0	87	15.0	97	1016.6	29	9	3		1	8	4	7	2		3	6	.1
25	0	14.9	91	14.7	97	1017.5	29	9	3		1	3					1	1	.
	6	14.3	92	15.0	97	1018.0	29	5	2		1	8	8	0	2		3	2	.5
	12	18.2	84	16.6	98	1019.7	0	0	0	0	0	1	0	0	0	2	2	0	.
	18	17.1	84	14.7	98	1018.6	9	6	2		1	1	0	0	0	2	2	0	.
26	0	16.3	80	15.1	98	1017.5	11	15	4		1	4					3	1	.
	6	16.6	90	14.8	97	1014.1	13	17	5		1	2	0	0	0	3	2	0	.
	12	18.7	80	14.9	97	1010.9	14	15	4		1	1	0	0	0	2	3	0	.
	18	16.8	93	15.2	97	1009.1	24	11	4		1	8	2	7			25	2	1.5
27	0	15.5	95	15.3	96	1013.1	29	10	3		1	8					21	6	.4
	6	15.9	91	15.4	96	1015.2	21	8	3		1	0	0	0	0	0	10	0	.4
	12	17.0	86	15.0	96	1019.9	25	5	2		1	0	0	0	0	0	10	1	.
	18	17.9	84	17.3	96	1020.3	5	5	2		1	0	0	0	0	0	10	0	.
28	0	16.3	96	15.2	95	1021.1	7	9	3		1	0	0	0	0	0	10	0	.
	6	16.5	90	16.0	96	1021.0	16	6	2		1	3	3	5	0	2	10	0	.
	12	21.9	75	15.7	96	1022.3	0	0	0	0	0	0	0	0	0	0	10	0	.
	18	18.9	93	16.5	96	1022.5	36	12	4			1	0	0	0		10	0	.
29	0	17.2	93	16.1	96	1023.8	5	10	3		1	6					10	1	.
	6	17.2	92	16.0	95	1024.0	5	11	4		1	0	0	0	0	0	10	0	.
	12	19.0	93	17.5	95	1023.9	7	5	2		1	0	0	0	0	0	10	0	.
	18	19.9	84	17.2	96	1022.3	9	11	4	0	0	1	0	0	0	3	10	0	.
30	0	18.6	83	15.7	97	1022.1	11	14	4	0	0	2					2	0	.
	6	16.8	88	15.3	97	1020.9	12	13	4		1	0	0	0	0	0	2	0	.
	12	18.5	86	16.0	96	1018.9	9	14	4		1	0	0	0	0	0	10	0	.
	18	21.0	78	15.7	96	1015.5	9	13	4		1	0	0	0	0	0	10	0	.
31	0	18.5	95	16.1	96	1015.5	12	17	5		1	0	0	0	0	0	10	0	.
	6	18.0	77	15.0	96	1014.5	11	15	4		1	0	0	0	0	0	10	0	.
	12	21.0	84	15.9	97	1013.9	9	19	5		1	0	0	0	0	0	2	0	.
	18	21.7	75	15.4	97	1012.7	9	16	5		1	0	0	0	0	0	2	0	.

1978 AUGUST FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	18.4	80	15.4	98	1012.9	9	15	4		1	0	0	0	0	0	2	0	.
	6	18.5	86	15.1	97	1013.3	11	14	4		1	2	0	0	0	5	3	0	.
	12	19.7	80	15.6	96	1014.9	23	7	3		1	8	4	5	1		10	2	.
	18	17.3	91	15.4	95	1014.3	32	11	4	3	1	8	4	5	9		10	1	.
2	0	12.7	90	16.5	96	1013.9	36	11	4		1	8					61	2	.4
	6	17.1	95	15.6	95	1011.5	5	8	3	4	1	8	4	5	7	6	10	9	7.0
	12	16.0	97	15.5	95	1012.2	23	13	4	3	1	8	6	7	2		61	6	7.0
	18	17.9	86	16.0	96	1012.2	16	9	3	0	0	8	8	5			10	8	7.9
3	0	16.7	89	16.0	97	1012.2	17	11	4			0	0	0	0	0	1	2	.
	6	16.4	90	15.2	97	1011.3	19	13	4		1	8	6	7	2		2	6	.7
	12	17.2	86	16.4	97	1011.1	19	9	3	3	1	7	6	5	7		2	2	.
	18	15.7	86	15.2	97	1011.1	24	9	3	3	1	5	0	0	0	2	21	6	15.2
4	0	15.7	91	16.2	96	1010.6	23	13	4	0		8					10	2	.
	6	15.0	95	15.2	96	1011.5	23	18	5	4	1	8	8	5			62	6	1.2
	12	15.4	93	16.0	96	1012.5	23	14	4	4	2	8	4	7	2		61	2	3.0
	18	16.3	85	16.0	96	1014.0	23	18	5	4	2	8	5	2	8		21	2	3.5
5	0	15.8	86	15.5	97	1014.9	26	20	5		3	8					2	6	.0
	6	15.7	87	16.0	96	1014.4	26	23	6*	5	3	8	6	5	2		10	6	1.0
	12	17.3	79	15.3	97	1014.9	27	13	4	5	2	6	2	5	3	2	2	2	.
	18	16.7	83	17.0	97	1014.9	26	15	4	4	2	3	2	0	4	9	1	2	.
6	0	16.0	84	16.8	98	1014.2	21	9	3			8					2	2	.
	6	15.1	88	18.0	97	1011.9	22	15	4	4	2	3	0	0	0	5	1	2	.
	12	16.2	83	16.5	97	1010.0	24	10	3	4	1	6	0	0	0	2	2	0	.
	18	15.0	92	16.0	97	1008.8	27	5	2	0	0	8	8	0	7		21	6	.9
7	0	15.2	91	16.2	97	1007.0	18	11	4		1	8					2	2	.
	6	14.1	92	16.2	96	1005.5	22	8	3	4	1	8	8	5			10	2	.
	12	15.4	83	16.1	96	1004.6	22	14	4	2	1	8	5	7	2		10	2	.
	18	16.5	80	16.7	98	1004.1	24	8	3	4	1	7	5	5	3		2	2	.
8	0	15.7	81	16.0	98	1003.9	23	7	3		1	4					1	2	.
	6	16.0	82	16.6	98	1003.4	0	0	0			7	3	5	3		2	2	.
	12	16.1	82	16.5	98	1004.8	32	7	3	4	1	7	7	0	2		2	2	.
	18	16.3	81	17.0	98	1006.0	29	12	4	4	1	7	2	5	2		2	2	.
9	0	15.6	88	16.4	98	1007.3	29	15	4		2	8					2	2	.
	6	15.9	94	16.5	97	1008.2	30	16	5	4	2	8	5	0	7	2	2	2	.
	12	17.3	81	16.5	97	1010.5	29	15	4	4	1	6	4	5	7	0	2	2	.
	18	17.9	78	17.4	97	1012.2	32	11	4	4	1	6	0	0	0	9	2	2	.
10	0	17.0	81	16.3	98	1014.4	30	11	4			4					2	2	.
	6	16.1	84	16.5	98	1015.2	33	16	5	4	2	5	5	5	0	0	2	2	.
	12	17.1	71	17.0	98	1017.0	31	14	4	4	2	4	4	2	0	0	3	2	.
	18	15.4	76	17.2	98	1017.8	32	18	5	4	3	8	8	5			2	2	.

1978 AUGUST FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	15.5	62	16.9	98	1019.1	31	21	5		3	8					2	2	.
	6	14.2	81	17.0	97	1019.5	29	23	6*	5	4	8	6	2	9		2	8	.3
	12	16.5	72	16.9	98	1019.9	30	20	5	5	3	8	8	2			2	2	.
	18	14.7	76	16.9	98	1019.4	30	19	5	5	3	8	5	3	6		2	2	.
12	0	13.0	87	16.5	98	1020.2	24	11	4			8					2	2	.1
	6	14.4	71	16.9	98	1019.8	31	9	3	4	2	8	8	5			2	8	.4
	12	15.0	71	16.5	98	1020.8	30	15	4	4	2	7	5	3	8		2	8	.2
	18	15.5	78	16.7	97	1019.4	30	7	3	4	1	8	8	5			2	2	.2
13	0	15.8	86	17.0	97	1018.9	27	3	1			7					2	2	.
	6	15.7	85	16.7	97	1018.1	0	0	0	0	0	8	3	0	9	1	2	2	.
	12	17.6	78	16.9	96	1018.2	27	9	3	4	1	5	5	5	0	0	5	2	.
	18	17.2	77	17.8	96	1017.0	29	6	2	4	1	6	6	0	3	0	5	2	.
14	0	16.2	79	16.7	97	1016.9	18	7	3	4	1	8					2	2	.
	6	15.7	91	16.8	96	1014.5	24	17	5	4	2	7	2	3	3	9	10	2	.
	12	16.0	89	16.6	96	1014.5	23	27	6*	4	2	8	4	7	2		51	2	.0
	18	16.6	88	16.9	96	1012.8	22	16	5	4	2	8	8	5			10	5	2.5
15	0	16.0	87	16.2	96	1012.0	20	19	5			8					10	2	.
	6	16.4	81	16.6	97	1010.1	19	16	5	4	2	4	0	0	0	2	2	2	.
	12	20.3	84	16.6	96	1008.2	16	13	4		1	1	0	0	0	2	10	1	.
	18	19.5	85	16.8	96	1005.9	15	9	3		1	1	0	0	0	2	10	0	.
16	0	16.5	90	16.6	98	1008.1	25	19	5		2	0	0	0	0	0	2	0	.0
	6	15.4	87	16.7	98	1010.8	25	20	5		3	1	0	0	0	1	2	0	.
	12	16.8	85	16.4	97	1012.3	20	18	5	3	2	5	5	0	9	0	2	2	.
	18	15.5	93	16.5	98	1014.2	23	17	5	5	3	5	5	0	6	0	25	6	3.5
17	0	17.7	85	16.8	98	1016.9	23	15	4		1	3	0	0	0		2	0	.
	6	14.9	91	16.4	98	1015.5	23	20	5	5	3	7	4	5	9		3	2	.
	12	15.7	75	16.4	98	1017.1	28	19	5		3	3	3	0	5	0	1	6	1.0
	18	18.1	92	16.7	98	1019.1	29	8	3		2	7	7	3			21	6	2.8
18	0	14.5	85	16.6	98	1020.5	29	15	4		2	2					2	0	.
	6	16.6	86	16.4	98	1021.7	29	19	5	4	3	5	4	4	9	0	2	2	.
	12	16.5	73	16.7	98	1024.9	29	16	5	4	3	7	7	5			2	2	.
	18	15.8	75	16.4	98	1025.9	29	8	3		2	4	4	0	9	0	1	1	.
19	0	14.7	75	16.7	98	1025.9	32	3	1		1	0	0	0	0	0	2	0	.
	6	15.1	75	16.1	98	1026.0	0	0	0	0	0	0	0	0	0	0	2	0	.
	12	16.8	77	16.8	98	1026.1	16	7	3		1	0	0	0	0	0	1	0	.
	18	16.9	77	16.9	98	1023.8	9	10	3		1	0	0	0	0	0	2	0	.
20	0	16.8	84	16.6	98	1023.1	11	12	4		1	0	0	0	0	0	2	0	.
	6	16.2	81	16.6	97	1021.4	14	15	4		1	0	0	0	0	0	2	0	.
	12	16.2	86	16.6	97	1020.9	14	10	3		1	0	0	0	0	0	2	0	.
	18	20.3	77	16.8	98	1019.8	14	10	3		1	0	0	0	0	0	2	0	.

1978 AUGUST FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	17.1	91	17.8	98	1019.1	14	11	4		1	3					2	0	.
	6	16.7	83	16.6	97	1018.9	16	8	3		1	0	0	0	0	0	2	0	.
	12	21.7	79	17.6	96	1020.1	25	5	2		1	0	0	0	0	0	10	0	.
	18	18.1	90	17.1	95	1020.8	0	0	0	0	0	0	0	0	0	0	10	4	.
22	0	16.6	88	17.1	96	1020.9	25	4	2	0	0	8					10	0	.
	6	16.6	92	17.3	95	1019.9	23	13	4		1	3	0	0	0	2	10	1	.
	12	19.5	80	17.1	95	1018.7	25	8	3	4	1	0	0	0	0	0	10	0	.
	18	17.6	92	17.3	96	1017.4	29	12	4	4	1	7	7	6			10	1	.
23	0	16.4	96	17.4	97	1017.7	27	14	4		1	8					61	6	3.0
	6	15.9	82	17.4	98	1020.1	32	13	4		1	3	3	1	0	0	1	6	3.8
	12	16.6	73	17.5	98	1022.9	29	12	4		1	0	0	0	0	0	2	0	.
	18	16.4	74	17.7	98	1025.0	23	12	4		1	2	2	2	0	0	3	0	.
24	0	15.5	94	17.1	98	1025.9	34	14	4		1	1					1	1	.
	6	15.5	66	17.3	98	1025.8	29	12	4		1	7	7	8			3	2	.
	12	17.9	74	17.4	98	1028.8	28	11	4		1	1	1	0	9	0	1	1	.
	18	16.4	71	17.8	97	1024.1	28	17	5	4	1	7	7	5			2	2	.
25	0	15.8	78	17.3	97	1023.0	29	20	5	4	3	1					1	0	.
	6	15.6	77	17.6	97	1021.2	29	23	6*	5	3	7	7	5			2	2	.
	12	16.7	79	17.4	98	1021.9	29	23	6*	5	4	6	6	1	0	0	1	2	.0
	18	15.5	82	17.3	98	1020.7	29	25	6*	5	4	7	7	4			2	6	.4
26	0	14.5	72	17.3	98	1019.1	31	28	7*		5	6					1	6	.0
	6	14.3	84	17.1	97	1018.6	33	26	6*	10	6	6	6	7	0	0	1	6	3.5
	12	16.0	67	17.2	98	1020.1	31	24	6*	6	3	4	4	3	0	0	1	6	.2
	18	14.9	60	17.4	98	1019.1	33	28	7*	7	5	7	7	7			3	6	.3
27	0	13.6	86	17.3	97	1016.5	33	28	7*		6	8					2	6	.2
	6	13.2	75	17.0	98	1012.2	33	28	7*	5	7	7	4	9	9		25	8	.5
	12	12.4	86	17.1	97	1013.1	33	29	7*	5	7	7	7	3			25	8	.6
	18	14.7	65	16.6	97	1015.1	32	28	7*	5	7	6	6	5	0	0	25	8	1.8
28	0	14.1	81	16.7	97	1016.2	32	27	6*	10	7	8					3	8	.3
	6	13.7	65	16.7	97	1016.2	31	25	6*	6	6	7	6	4	9		3	6	.2
	12	14.9	77	16.1	98	1017.9	32	27	6*	10	7	8	8	7			3	6	.0
	18	13.6	87	16.1	97	1018.7	32	17	5	7	4	8	7	7			60	6	.0
29	0	14.9	87	16.0	97	1017.1	27	26	6*		4	8					61	6	2.0
	6	14.8	87	16.1	97	1015.9	27	25	6*	5	3	8	8	7			2	6	3.5
	12																		.
	18	14.3	85	16.3	98	1012.7	31	21	5	4	4	7	4	2	6		2	8	.2
30	0	13.9	92	11.4	98	1012.0	33	19	5			8					2	2	.
	6	12.7	69	15.7	98	1010.1	31	27	6*	5	4	5	5	2	0	0	80	2	.0
	12	11.3	93	16.0	97	1010.0	31	14	4	6	5	6	6	2	0	0	25	8	1.0
	18	14.3	72	15.5	97	1010.0	33	21	5	6	5	7	5	2	9	0	2	8	1.0
31	0	14.2	73	16.2	98	1010.6	34	20	5		5	4					1	2	.
	6	13.7	77	15.2	98	1009.9	35	17	5	5	4	6	6	2	0	0	3	1	.
	12	15.3	75	16.2	98	1009.9	35	14	4	4	3	5	4	2	5	0	25	2	.0
	18	13.6	74	15.5	98	1009.6	34	17	5	4	3	5	3	1	0	5	3	8	.0

1978 SEPTEMBER FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	13.8	75	16.0	98	1008.6	34	12	4			4					2	2	.
	6	13.5	76	15.7	98	1007.4	31	10	3	4	2	6	2	1	5	5	3	0	.
	12	14.4	74	16.0	98	1006.1	32	18	5	5	3	5	3	2	5	2	1	8	3.0
	18	14.4	76	16.0	98	1006.0	33	20	5	4	4	6	6	2	0	0	2	2	2.7
2	0	13.5	72	15.8	98	1006.0	33	17	5		4	1					1	2	.
	6	13.5	80	15.5	98	1005.5	31	19	5	4	4	7	5	2	9		2	6	2.0
	12	11.2	93	15.6	98	1005.9	31	17	5	4	4	7	5	2	7		25	8	2.0
	18	13.7	74	15.8	98	1006.7	31	26	6*	6	4	6	4	2	9	2	25	8	3.0
3	0	12.6	69	15.3	98	1007.1	30	23	6*			8					2	2	.
	6	12.9	80	15.5	98	1006.9	31	26	6*	6	6	6	6	2	0	0	2	8	.5
	12	14.5	72	15.5	98	1008.8	31	23	6*	5	5	5	3	2	0	5	1	2	.
	18	14.0	74	15.4	98	1008.6	30	29	7*	7	6	6	5	2	9	0	2	8	.6
4	0	13.2	80	15.5	98	1007.2	29	26	6*		6	6					2	2	.
	6	13.5	70	15.0	97	1005.7	31	34	8**	7	7	7	7	5			2	8	.3
	12	13.7	76	15.2	98	1006.3	29	27	6*	7	7	8	8	5			25	2	.0
	18	12.6	83	14.5	97	1006.1	30	27	6*	6	6	7	7	2			2	8	.0
5	0	13.4	83	12.8	98	1005.2	29	22	6*			8					2	2	.
	6	14.0	83	14.5	98	1005.1	33	15	4	5	4	6	3	2	3	0	1	6	1.4
	12	14.5	80	14.9	98	1006.5	34	12	4	4	3	4	4	2	0	0	2	8	.0
	18	14.2	84	15.5	98	1007.7	33	7	3	5	2	4	1	1	4	1	3	2	.0
6	0	12.6	90	15.0	98	1008.3	0	0	0			0	0	0	0	0	2	2	.
	6	13.2	84	14.6	98	1008.0	8	3	1	0	0	6	1	2	3	9	3	2	.
	12	15.0	81	15.2	98	1008.4	14	6	2	0	0	1	0	0	0	2	1	0	.
	18	14.7	80	15.2	98	1007.9	4	12	4		1	2	0	0	0	2	2	0	.
7	0	14.0	80	15.0	98	1008.3	8	9	3		1	0	0	0	0	0	2	0	.
	6	13.6	74	15.0	97	1008.4	12	10	3	3	1	4	0	0	0	1	3	0	.
	12	14.7	81	15.2	97	1009.1	9	7	3		1	1	0	0	0	1	2	0	.
	18	14.8	82	15.6	96	1010.1	8	7	3	3	1	3	0	0	0	2	10	0	.
8	0	14.5	85	15.2	96	1011.1	13	11	4		1	0	0	0	0	0	10	0	.
	6	15.0	92	15.6	95	1012.0	22	8	3		1	8	8	6			10	5	.0
	12	16.5	86	15.3	96	1014.3	18	7	3	3	1	8	8	6			10	2	.
	18	15.5	83	16.0	96	1016.8	27	10	3		1	3	0	0	0	1	10	2	.
9	0	14.5	89	15.4	98	1014.6	17	16	5			0	0	0	0	0	2	0	.
	6	14.3	92	15.6	95	1010.1	19	25	6*	4	2	8	4	7	2		60	6	2.8
	12	16.0	84	15.4	97	1010.2	27	24	6*	5	3	7	5	5	9	9	2	6	1.0
	18	15.5	83	15.3	97	1011.9	27	27	6*	5	5	8	5	7	2		2	2	2.0
10	0	14.2	95	15.5	97	1011.2	27	24	6*	7	6	8					60	2	1.0
	6	15.2	97	15.3	96	1007.1	25	22	6*	5	5	8	8	5			60	6	3.5
	12	16.1	96	15.4	96	1005.0	27	28	7*	7	7	8	5	7	2		10	6	7.0
	18	17.3	88	15.5	96	1005.4	27	26	6*	7	6	7	7	0	2		10	6	8.5

1978 SEPTEMBER FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	14.6	98	15.4	96	1003.9	27	12	4		4	8					60	6	.3
	6	16.2	98	15.4	95	999.1	24	21	5	5	3	8	6	7	2		62	6	4.7
	12	16.0	73	15.5	96	997.7	27	32	7*	4	8	6	2	3	5	1	81	6	1.0
	18	14.0	96	15.5	97	996.7	27	24	6*	10	8	5	4	1	0	2	1	9	5.0
12	0	13.2	92	15.2	98	1000.4	31	32	7*	6	10	8					2	1	.5
	6	14.3	80	15.4	98	1006.4	30	29	7*	6	10	7	6	5	6		81	8	1.8
	12	14.5	75	15.3	97	1013.5	31	32	7*	8	10	5	4	5	9	0	2	2	.
	18	13.7	69	15.4	97	1018.3	31	24	6*	6	8	5	3	5			2	2	2.0
13	0	11.7	90	15.0	96	1015.3	30	20	5	5	3	7					10	2	.
	6	12.1	88	15.0	97	1019.1	23	13	4	5	2	8	8	5			2	6	.1
	12	14.5	95	14.5	95	1017.2	22	23	6*	5	3	8	8	6			50	5	3.0
	18	15.4	93	14.5	96	1017.2	25	21	5	5	2	8	8	7			10	5	2.8
14	0	15.5	89	14.8	96	1015.3	23	22	6*	5	3	8					10	2	.
	6	15.4	91	14.4	97	1010.8	23	19	5	5	3	8	8	6			2	2	.
	12	13.8	96	14.7	96	1009.4	25	26	6*	5	3	8	8	7			61	6	5.0
	18	13.7	86	14.7	98	1011.6	27	18	5	5	3	7	7	5			21	6	5.5
15	0	14.5	75	14.7	98	1013.4	29	23	6*	6	4	1					3	0	.
	6	13.3	91	14.6	98	1012.0	23	24	6*	6	4	7	7	6			3	1	.
	12	15.1	78	14.7	96	1007.7	25	31	7*	7	7	8	8	7			62	2	1.0
	18	13.2	77	14.6	96	1010.0	29	37	8**	7	8	8	8	7			10	6	4.5
16	0	13.5	80	14.6	98	1016.2	29	28	7*	7	9	4					1	1	.
	6	13.4	80	14.5	98	1019.1	29	18	5	6	4	7	7	2			3	2	.
	12	15.5	85	14.6	97	1019.9	25	20	5	5	3	8	8	6			3	2	.
	18	15.5	93	14.5	97	1017.5	25	13	4	5	3	5	5	5	0	0	1	2	.
17	0	15.0	83	14.5	96	1013.4	23	26	6*		4	1					10	0	.
	6	15.2	80	14.6	97	1012.9	27	29	7*	5	5	8	8	0	2		2	6	.2
	12	15.2	73	14.6	97	1016.0	29	23	6*	6	6	6	6	5	0	1	3	1	.
	18	14.2	63	14.4	98	1018.4	29	26	6*	5	6	1	1	1	0	0	1	6	.2
18	0	11.9	74	14.6	98	1019.9	29	21	5	6	5	1					1	0	.
	6	13.2	67	14.3	98	1019.4	29	28	7*	5	5	2	2	5	0	4	21	6	.2
	12	14.0	71	14.4	97	1020.4	29	27	6*	6	5	7	7	5			1	2	.0
	18	12.8	86	14.4	97	1018.0	29	25	6*	6	5	7	7	5			2	6	1.0
19	0	13.1	86	14.5	98	1015.9	29	25	6*	5	5	7					2	2	.
	6	11.9	94	14.5	97	1013.3	32	29	7*	6	6	8	8	7			2	6	3.0
	12	13.7	80	14.5	98	1015.8	29	25	6*	5	6	3	3	9	0	0	1	6	.0
	18	12.2	74	14.4	98	1019.1	34	31	7*	6	7	5	5	5	0	0	3	8	.1
20	0	11.2	70	13.6	98	1022.0	34	22	6*		6	7					2	6	.0
	6	11.6	66	14.5	98	1023.9	32	25	6*	5	5	8	8	6			3	2	.0
	12	12.5	63	13.2	98	1025.0	32	17	5	5	3	7	7	6			2	6	.
	18	12.6	87	13.4	97	1023.2	27	22	6*	5	3	8	8	6			21	6	.5

1978 SEPTEMBER FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	13.6	96	13.9	97	1020.4	29	24	6*		4	8					61	6	2.0
	6	12.8	89	13.4	97	1020.2	32	25	6*	5	4	8	8	6			2	6	3.5
	12	13.2	83	13.5	98	1023.1	32	24	6*	8	5	8	8	7			2	6	.1
	18	12.7	87	13.8	97	1024.0	32	27	6*	6	5	6	6	6	0	0	2	2	.1
22	0	13.9	88	13.7	98	1025.7	32	14	4	5	4	8					3	2	.
	6	14.2	96	13.8	97	1020.0	25	24	6*	5	4	8	8	7			2	6	.6
	12	14.6	93	13.5	96	1016.9	27	19	5	5	3	8	8	0	2		10	6	4.0
	18	14.3	89	13.4	97	1013.6	27	19	5	5	3	8	8	0	2		2	6	4.2
23	0	14.9	88	13.5	96	1011.3	30	19	5	4	3	8					21	6	1.0
	6	13.4	86	13.5	98	1014.3	32	14	4	4	2	7	7	3			1	2	3.5
	12	13.9	87	13.5	98	1018.1	32	10	3	5	2	6	5	6	8	0	2	6	.1
	18	13.2	91	13.7	98	1018.8	29	8	3	4	2	7	7	6			2	2	.1
24	0	13.8	96	13.6	96	1017.1	20	10	3		1	8					10	5	.1
	6	14.4	93	13.4	95	1013.5	24	19	5	4	1	8	8	6			10	6	.2
	12	15.0	93	13.6	95	1013.9	25	19	5	4	2	8	8	7			61	2	.5
	18	14.8	93	13.5	95	1013.2	25	20	5	4	2	8	8	6			10	6	2.0
25	0	14.9	96	13.5	97	1012.9	25	16	5	5	2	8					61	6	.3
	6	14.9	95	13.5	97	1011.0	25	19	5	4	2	8					2	6	.7
	12	14.2	91	14.5	96	1014.9	26	18	5	5	3	8	8	6			10	6	3.0
	18	13.8	84	13.4	98	1018.1	29	23	6*	5	3	1	1	2	0	0	1	6	3.6
26	0	13.7	67	13.5	98	1020.8	29	21	5		3	0	0	0	0	0	1	0	.
	6	12.4	86	13.6	98	1019.5	22	19	5		3	2	2	2	0	0	3	1	.
	12	13.8	78	13.7	97	1018.2	24	22	6*	5	3	6	2	0	6	6	3	1	.
	18	13.0	79	13.6	97	1014.8	25	24	6*	5	4	7	2	3	7		2	8	.4
27	0	10.8	86	13.5	98	1014.0	24	15	4		3	0	0	0	0	0	2	9	4.0
	6	11.8	89	13.5	97	1011.5	23	24	6*	4	4	3	3	9	0	0	1	9	4.7
	12	11.2	95	13.5	98	1010.8	25	15	4	4	3	7	2	3	7		2	8	5.0
	18	12.0	78	13.6	98	1008.6	24	16	5	5	3	5	4	2	0	2	1	6	5.6
28	0	12.0	72	13.5	98	1008.9	29	17	5		2	0	0	0	0	0	2	8	5.0
	6	11.2	81	13.5	98	1009.0	29	9	3	5	2	6	5	9	0	2	25	1	5.5
	12	12.4	71	13.5	98	1010.3	30	13	4	5	2	4	3	1	0	1	2	2	.
	18	12.0	68	13.5	98	1010.0	32	6	2	4	2	6	2	3	0	9	3	1	.
29	0	11.3	80	13.6	98	1008.4	18	10	3		1	8					3	2	.
	6	10.2	92	13.5	97	1003.9	14	20	5	4	2	8	4	7	2		2	2	.
	12	10.0	94	13.5	96	998.9	14	25	6*	4	3	8	6	7	2		61	6	3.0
	18	11.9	94	13.6	98	998.0	25	12	4	4	2	4	4	5	0	0	25	6	6.5
30	0	11.6	88	13.5	98	997.3	22	17	5		2	8					2	8	6.0
	6	10.8	92	13.5	97	996.9	22	27	6*	5	3	8	4	7	7		25	6	7.2
	12	11.0	77	13.5	97	998.8	21	19	5	5	3	8	8	5			3	2	.
	18	9.9	88	13.4	96	1001.1	13	19	5	4	2	8	8	5			63	6	1.0

1978 OKTOBER FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	10.5	81	13.5	98	1004.7	9	21	5		3	8					2	6	.3
	6	10.6	86	13.2	97	1009.5	7	25	6*		3	7	4	7	2		3	1	.3
	12	12.2	80	13.4	97	1015.2	5	23	6*	4	4	6	6	1	0	0	2	2	.
	18	11.0	80	13.0	97	1019.1	7	21	5	4	3	2	2	1	0	0	1	1	.
2	0	10.0	80	13.4	98	1021.7	7	20	5		3	0	0	0	0	0	2	0	.
	6	7.8	86	12.6	97	1022.8	10	7	3	4	1	3	3	1	0	0	3	0	.
	12	8.7	83	13.0	97	1023.4	18	7	3		1	8	8	5			3	2	.
	18	9.9	72	13.4	97	1023.0	16	12	4		1	8					2	2	.
3	0	10.1	73	13.0	97	1021.8	16	15	4		1	8					3	2	.
	6	9.6	79	13.0	97	1020.3	17	17	5		1	8	4	7	2		2	2	.
	12	8.9	77	13.0	97	1020.0	16	10	3	3	1	8	8	5			2	2	.
	18	9.3	78	13.0	96	1019.0	17	11	4	3	1	8					10	2	.
4	0	9.9	87	13.3	96	1017.6	23	13	4		1	8					10	2	.
	6	12.4	76	12.8	98	1016.4	33	13	4	4	1	3	3	5	0	0	2	2	.
	12	12.8	80	13.0	98	1016.2	29	11	4	4	1	5	4	2	6	0	25	2	.3
	18	11.9	71	13.0	98	1016.2	30	23	6*	5	2	5					2	2	.3
5	0	11.5	66	13.2	98	1017.8	32	17	5		4	4					2	2	.
	6	12.4	66	12.5	98	1017.4	27	25	6*	5	4	5	3	1	0	6	1	8	.3
	12	11.2	97	12.8	95	1012.3	23	34	8**	4	5	8	8	6			60	6	2.0
	18	13.4	95	13.0	96	1010.8	26	33	7*	7	7	8					60	6	4.0
6	0	13.5	96	13.0	96	1010.8	27	32	7*			8					62	6	5.0
	6	14.4	87	13.0	97	1013.4	27	28	7*	4	7	8	4	7	7		2	6	5.5
	12	14.5	90	12.9	96	1018.0	27	24	6*	5	4	6	6	0	7	0	10	2	.
	18	13.6	96	13.0	96	1020.9	27	15	4	5	2	8					10	2	.
7	0	13.5	95	13.5	96	1022.7	25	14	4		2	0	0	0	0	0	10	2	.
	6	12.8	93	12.6	96	1023.8	25	14	4		2	8					10	2	.
	12	13.5	88	13.3	96	1024.5	22	10	3	5	2	8	8	5			10	4	.
	18	13.5	84	12.9	97	1022.6	20	6	2		1	2					1	2	.
8	0	12.8	91	13.0	96	1021.1	13	10	3		1	0	0	0	0	0	10	0	.
	6	12.0	93	12.5	96	1018.8	18	13	4	3	1	0	0	0	0	0	10	0	.
	12	13.3	81	13.0	96	1019.0	17	10	3	3	1	2	0	0	0	4	10	0	.
	18	13.2	92	13.0	96	1017.9	18	9	3		1	0	0	0	0	0	10	0	.
9	0	13.0	92	13.0	96	1017.5	17	13	4			0	0	0	0	0	10	0	.
	6	13.0	87	12.8	96	1016.4	21	17	5		1	4	4	0	5	0	10	0	.
	12	14.3	86	13.0	96	1017.0	20	14	4	3	1	8	4	5	3		10	2	.
	18	14.2	92	12.8	95	1017.8	19	12	4	3	1	8					61	6	11.0
10	0	14.0	94	13.0	95	1019.2	19	7	3		1	8					10	6	.1
	6	13.4	96	12.9	95	1019.2	12	10	3		1	8					10	2	.1
	12	14.0	94	13.1	95	1021.0	9	14	4	3	1	3	0	0	0	4	10	1	.
	18	15.0	91	13.0	96	1021.9	9	16	5		1	0	0	0	0	0	10	0	.

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Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	13.8	95	13.0	95	1024.1	9	13	4		1	3					10	0	.
	6	13.4	95	13.0	95	1024.5	16	11	4		1	0	0	0	0	0	10	0	.
	12	15.5	87	13.0	95	1026.1	15	11	4		1	0	0	0	0	0	10	0	.
	18	16.1	88	13.1	95	1026.5	12	19	5		1	0	0	0	0	0	10	0	.
12	0	14.3	91	12.9	96	1027.1	14	15	4		1	0	0	0	0	0	10	0	.
	6	14.3	92	13.2	96	1028.1	15	13	4		1	0	0	0	0	0	10	0	.
	12	15.9	81	13.2	95	1029.0	14	11	4		1	0	0	0	0	0	10	0	.
	18	16.2	83	13.0	96	1028.3	13	14	4		1	0	0	0	0	0	10	0	.
13	0	14.6	92	13.1	96	1028.1	14	11	4		1	0	0	0	0	0	10	0	.
	6	13.4	94	13.0	96	1026.8	13	10	3		1	1	0	0	0	1	10	0	.
	12	13.9	91	13.5	95	1025.2	11	11	4		1	0	0	0	0	0	10	0	.
	18	14.4	91	13.2	95	1022.4	11	14	4		1	0	0	0	0	0	10	0	.
14	0	13.3	94	13.2	96	1021.2	17	6	2		1	0	0	0	0	0	10	0	.
	6	11.4	99	13.4	91	1020.0	20	7	3		1	8	8	6			45	4	.
	12	12.4	97	13.2	91	1019.9	27	10	3	0	0	8	8	6			45	4	.
	18	13.8	86	13.3	96	1020.1	27	10	3		1	8					10	2	.
15	0	12.9	85	12.9	97	1020.6	27	9	3		1	8					2	2	.
	6	12.9	90	13.2	97	1020.9	29	4	2		1	8					2	2	.
	12	11.8	89	13.0	96	1020.7	18	8	3		1	8	8	6			10	2	.
	18	12.4	90	13.2	96	1018.9	18	9	3		1	8					10	2	.
16	0	12.6	92	13.4	96	1016.1	21	13	4		1	8					10	2	.
	6	13.2	91	13.3	97	1011.6	25	24	6*		2	7					21	6	1.4
	12	12.3	91	13.5	97	1011.3	26	25	6*	5	4	8	7	6			21	6	.4
	18	11.6	81	13.2	98	1007.5	25	30	7*	6	5	7					1	6	3.0
17	0	9.8	93	13.1	98	1004.1	23	17	5	5	5	8					2	6	1.0
	6	13.4	90	13.2	98	1002.0	23	11	4		3	8					21	6	4.5
	12	9.7	86	13.2	98	1002.5	20	7	3		2	7	7	7			21	6	4.0
	18	9.7	86	13.0	98	1007.1	34	8	3		1	0	0	0	0	0	1	6	3.3
18	0	10.4	72	12.0	98	1011.9	32	7	3		1	1					1	0	.
	6	11.4	90	12.7	98	1015.9	27	6	2		1	2					1	6	.0
	12	11.8	80	12.8	98	1019.1	34	18	5	5	2	8	8	8			3	2	.
	18	11.8	74	12.8	98	1021.9	32	15	4		2	7					2	2	.
19	0	11.9	79	12.6	98	1022.8	28	15	4	4	2	8					2	2	.
	6	11.5	91	12.3	98	1023.1	27	18	5		2	8					2	6	2.0
	12	12.2	81	12.4	96	1024.5	32	11	4	0		7	7	5			50	2	.
	18	12.0	88	12.4	98	1024.0	29	6	2		1	8					2	2	.
20	0	11.9	81	12.5	98	1022.0	23	17	5		1	6					1	2	.
	6	11.5	88	12.5	96	1017.8	25	23	6*		3	8					10	2	.
	12	11.9	93	12.8	96	1014.8	23	26	6*	4	3	8	8	6			51	6	.0
	18	11.9	91	12.7	97	1014.1	33	31	7*	5	4	7					2	6	1.8

1978 OKTOBER FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	9.5	72	12.6	98	1016.1	34	27	6*		6	7					3	6	.0
	6	9.7	86	12.7	98	1018.1	32	27	6*		6	8					2	6	.7
	12	8.5	91	12.0	98	1020.0	32	24	6*	5	5	8	8	0	5		3	2	.0
	18	9.2	78	11.7	97	1019.1	32	23	6*	5	3	7					21	6	.7
22	0	9.5	82	11.1	98	1017.8	32	16	5	5	3	8					3	2	.
	6	9.9	94	11.4	96	1010.2	23	30	7*	5	3	8					61	6	2.8
	12	12.5	85	11.5	97	1009.0	32	25	6*	6	3	8	8	6			20	5	1.0
	18	10.9	92	11.4	98	1011.0	29	29	7*	6	5	8					3	6	1.0
23	0	9.8	81	11.3	98	1015.9	32	23	6*	6	6	6					0	6	.0
	6	10.4	84	11.0	98	1017.2	29	25	6*	6	5	8					2	6	.2
	12	12.3	80	10.9	98	1020.0	29	17	5	5	3	1	0	0	0	?	1	0	.
	18	11.6	80	10.6	98	1020.4	27	21	5	5	3	7					2	2	.
24	0	10.8	91	11.1	98	1013.5	25	26	6*	6	4	8					3	2	.
	6	11.1	92	10.4	97	1015.9	25	29	7*	6	5	8					2	2	.
	12	12.0	94	11.3	96	1015.2	25	29	7*	6	5	8	8	6			21	6	.0
	18	12.9	95	11.8	97	1013.5	25	25	6*	6	5	8					21	6	2.0
25	0	12.4	76	11.3	97	1014.5	29	24	6*		6	8					2	6	1.0
	6	10.8	68	11.6	98	1015.2	29	25	6*	6	5	8					2	2	1.2
	12	11.9	70	11.0	97	1017.2	29	31	7*	6	6	5	4	6	5	0	2	6	.2
	18	11.0	72	11.0	98	1019.9	32	27	6*	6	6	8					3	2	.3
26	0	9.8	78	10.3	98	1022.2	32	19	5	5	5	8					3	2	.
	6	10.5	67	11.0	98	1022.9	32	16	5		2	8					2	2	.
	12	10.5	77	10.8	98	1024.9	34	24	6*	4	3	4	1	2	4	2	2	1	.
	18	10.0	71	10.7	98	1026.9	34	18	5		2	0	0	0	0	0	2	0	.
27	0	9.3	76	10.7	98	1029.7	36	11	4		2	0	0	0	0	0	2	0	.
	6	9.5	75	10.0	98	1030.4	20	14	4		1	8					3	0	.
	12	10.2	89	10.7	96	1029.4	24	19	5	4	3	8	8	6			10	2	.
	18	10.7	98	10.5	93	1027.3	23	19	5		3	8	8	6			47	2	.2
28	0	11.5	83	11.5	98	1026.0	31	15	4			5					1	2	.
	6	11.8	91	10.4	98	1024.9	28	12	4		1	8					2	2	.
	12	12.2	80	11.2	98	1025.1	28	16	5	4	2	8	8	5			2	2	.
	18	12.5	86	11.2	98	1025.1	27	15	4	4	2	8					2	2	.
29	0	12.0	92	11.0	98	1025.0	28	16	5		2	8					2	2	.
	6	11.7	94	11.2	97	1024.4	27	16	5			8					2	2	.
	12	12.0	91	11.5	97	1024.4	24	19	5	4	2	8	8	5			3	2	.
	18	12.0	89	11.0	97	1024.1	30	15	4	4	2	8					2	2	.
30	0	12.1	94	11.2	97	1024.9	27	13	4		2	8					2	2	.
	6	12.0	93	11.0	96	1024.2	25	15	4		2	8					10	2	.
	12	11.9	91	11.2	96	1024.5	24	19	5	4	2	8	8	5			10	2	.
	18	11.6	89	11.1	96	1023.8	23	18	5		2	8					10	2	.
31	0	11.1	95	11.2	96	1023.2	23	20	5			8					10	2	.
	6	10.4	94	11.2	96	1023.8	24	15	4		3	8					10	2	.
	12	10.6	83	11.9	96	1024.5	21	17	5	4	3	8	8	5			10	2	.
	18	10.5	81	11.5	95	1025.8	23	14	4	4	3	8					10	2	.

1978 NOVEMBER FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	10.0	85	11.5	96	1026.0	20	14	4		2	8					10	2	.
	6	9.5	94	11.4	96	1028.3	23	12	4			8					10	2	.
	12	10.4	89	11.6	95	1030.5	21	12	4	4	1	8	8	6			10	2	.
	18	10.0	95	11.2	93	1031.8	20	13	4	3	1	8	8	6			45	2	.
2	0	9.3	98	11.5	95	1030.9	19	13	4		3	8					10	4	.
	6	9.5	94	11.3	95	1029.0	21	17	5		1	8					10	2	.
	12	11.2	83	11.5	96	1026.4	20	18	5	4	3	0	0	0	0	0	10	0	.
	18	10.7	93	11.5	95	1025.5	25	22	6*	4	2	0	0	0	0	0	10	0	.
3	0	10.7	86	11.5	96	1024.8	24	21	5		3	8					21	6	.1
	6	10.3	98	11.3	94	1026.5	22	11	4		1	8					10	2	.1
	12	10.2	88	11.4	96	1026.3	21	16	5	4	1	8	8	5			10	4	.
	18	10.6	93	11.3	96	1025.1	23	18	5	4	1	8					10	2	.
4	0	11.0	94	11.4	96	1024.0	24	17	5		2	8					10	4	.0
	6	11.0	95	11.4	96	1024.5	24	17	5		2	8					10	2	.0
	12	11.4	95	11.5	95	1026.2	22	18	5	5	3	8	5	5	2		10	2	.
	18	11.5	94	11.5	96	1026.3	21	18	5		2	0	0	0	0	0	10	2	.
5	0	10.2	94	11.3	96	1026.9	23	20	5		3	8					10	2	.
	6	11.0	93	11.4	96	1026.6	23	18	5		3	8					10	2	.
	12	10.6	96	11.4	95	1028.8	22	18	5	4	3	8	8	6			10	2	.
	18	11.7	94	11.5	96	1029.4	22	14	4		2	8					10	2	.
6	0	11.5	93	11.4	96	1030.3	23	16	5			8					10	2	.
	6	11.3	91	11.4	96	1030.4	23	15	4		1	8					10	2	.
	12	11.0	91	11.5	96	1031.8	24	10	3	4	1	8	8	5			10	2	.
	18	11.6	94	11.4	96	1031.5	24	6	2		1	8					10	2	.
7	0	9.5	94	11.4	96	1031.6	14	14	4		1	8					10	2	.
	6	6.9	96	11.4	96	1031.1	14	14	4		1	8					10	2	.
	12	7.5	93	11.1	95	1031.5	17	12	4		1	8	8	6			10	2	.
	18	6.9	93	11.1	96	1030.0	16	17	5	5	1	8					10	2	.
8	0	6.2	93	11.3	96	1029.0	18	13	4		1	8					10	2	.
	6	5.8	89	11.2	95	1027.6	16	14	4		1	8					10	2	.
	12	7.0	84	11.4	96	1028.0	20	12	4		1	0	0	0	0	0	10	0	.
	18	9.3	79	11.3	97	1027.8	18	15	4		1	1					2	0	.
9	0	10.4	95	11.3	94	1028.5	25	16	5		1	8					10	1	.
	6	9.7	94	11.6	95	1028.9	20	13	4		1	8					10	2	.
	12	9.1	99	11.2	92	1030.0	25	14	4		1	8	8	6			47	4	.
	18	11.0	92	11.0	96	1029.7	27	11	4		1	8					10	5	.0
10	0	10.7	92	11.2	96	1029.1	23	14	4		1	8					10	2	.
	6	9.1	91	11.1	96	1027.0	20	11	4		1	8					10	2	.
	12	8.5	94	11.2	95	1026.5	20	9	3		1	8	8	6			10	2	.
	18	8.3	95	11.1	95	1025.0	20	6	2		1	8					10	4	.

1978 NOVEMBER FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	11.3	95	11.2	96	1025.3	23	13	4		1	8					10	2	.
	6	7.4	93	11.1	93	1025.9	20	12	4		1	8	8	6			45	4	.
	12	7.4	92	11.4	94	1027.3	23	14	4	4	2	8	8	6			10	2	.
	18	6.7	96	11.2	95	1028.0	20	9	3		1	8	8	6			51	4	.2
12	0	6.5	97	11.2	92	1027.6	18	14	4		1	8	8	6			47	4	.
	6	2.4	92	11.3	96	1025.1	13	14	4		1	8					10	2	.
	12	2.5	97	11.3	93	1022.4	14	19	5		1	8	8	6			43	4	.
	18	4.0	92	11.0	96	1019.1	16	22	6*		2	7					10	2	.
13	0	7.7	88	11.1	97	1016.8	18	23	6*		2	0	0	0	0	0	2	0	.
	6	9.4	89	11.2	97	1016.9	23	25	6*	4	3	8					2	2	.
	12	9.9	89	11.3	97	1020.8	22	19	5	4	2	8	8	0	2		2	2	.
	18	10.3	81	11.2	98	1023.9	25	21	5	4	2	0	0	0	0	0	1	1	.
14	0	8.1	94	11.5	98	1025.8	25	21	5		3	7					3	2	.
	6	9.5	87	11.2	98	1025.9	23	25	6*		2	1					2	0	.
	12	10.1	93	11.6	96	1024.1	23	27	6*	5	4	8	7	6			10	2	.
	18	10.7	87	11.0	97	1021.0	22	33	7*	5	5	8					2	2	.
15	0	11.4	85	11.6	98	1021.1	23	32	7*		6	8					2	2	.
	6	10.4	91	11.3	96	1019.2	23	31	7*		6	8					10	2	.
	12	9.1	91	11.4	96	1018.2	22	27	6*	5	5	8	8	6			10	2	.
	18	9.8	83	11.5	98	1017.1	23	30	7*	5	5	4					3	2	.
16	0	9.1	89	11.3	96	1007.0	21	32	7*	6	6	8					51	5	.0
	6	9.2	90	11.2	98	1009.1	27	31	7*		6	7					2	6	3.5
	12	9.5	90	11.3	98	1016.9	27	30	7*	7	8	5	5	9	0	0	27	8	.0
	18	9.4	89	11.2	98	1019.6	27	33	7*	8	8	6					2	8	1.3
17	0	8.4	92	10.6	98	1020.4	23	28	7*	6	7	7					3	8	.6
	6	9.0	91	11.1	97	1019.9	23	35	8**	8	8	7					1	6	1.5
	12	11.5	91	10.6	97	1023.0	25	20	5	4	5	8	7	6			2	6	.0
	18	10.9	92	10.6	98	1022.2	25	21	5		3	5					1	2	.0
18	0	10.9	83	11.1	96	1021.0	23	27	6*		4	8					21	6	.0
	6	9.9	89	10.4	98	1016.9	23	37	8**	8	6	8					3	2	.2
	12	9.9	89	10.4	97	1016.2	23	30	7*		7	8	8	6			3	2	.
	18	10.4	94	10.7	96	1015.8	23	31	7*		6	8					61	6	.4
19	0	10.2	92	11.1	96	1015.5	23	27	6*		6	8					10	6	.
	6	10.8	92	10.4	96	1013.1	23	33	7*		6	8					10	2	2.5
	12	11.3	91	10.5	96	1012.2	23	29	7*	6	5	8	8	6			21	6	.5
	18	10.4	89	10.4	96	1008.4	23	30	7*	5	5	8					10	2	.5
20	0	10.2	98	10.3	97	1007.0	23	27	6*	5	5	8					60	6	1.0
	6	9.3	93	11.2	98	1012.4	29	28	7*	8	5	6					1	2	1.1
	12	10.5	65	10.6	98	1017.9	27	21	5	9	5	4	4	9	0	0	1	1	.0
	18	9.1	85	10.5	98	1020.6	29	25	6*	8	5	6					2	6	1.4

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Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21.	0	8.1	85	10.1	98	1020.8	23	24	6*		5	0	0	0	0	0	2	0	.
	6	8.4	84	10.3	98	1019.7	23	31	7*	6	6	7					2	2	.
	12	10.5	88	10.4	96	1021.8	23	24	6*	5	5	8	4	7	2		10	5	.2
	18	10.7	92	10.1	96	1021.4	23	25	6*		6	8					10	2	.2
22	0	11.2	92	10.5	97	1022.1	24	25	6*		6	7					2	2	.
	6	11.3	94	10.0	97	1022.6	25	27	6*		6	8					2	2	.
	12	11.8	89	10.5	96	1024.9	25	26	6*	4	6	6	6	5	0	0	10	2	.
	18	11.5	88	10.3	97	1024.3	24	28	7*	5	6	8					2	2	.
23	0	11.5	89	11.3	97	1024.6	25	25	6*		6	8					2	2	.
	6	11.1	92	10.3	97	1025.8	25	19	5	5	6	8					2	6	.0
	12	11.0	93	10.5	97	1028.1	26	16	5	4	4	8	8	5			2	2	.1
	18	10.8	95	10.5	97	1026.2	24	23	6*		3	8					2	6	.0
24	0	10.5	91	10.2	97	1023.7	24	25	6*		5	8					2	2	.
	6	10.7	92	10.4	97	1020.0	24	26	6*		7	8					2	2	.
	12	9.7	96	10.2	95	1017.9	24	31	7*	5	7	8	8	6			51	2	4.0
	18	9.6	98	10.4	96	1015.1	23	15	4			8					61	5	6.2
25	0	7.6	86	10.5	98	1015.7	2	8	3		1	8					2	6	7.0
	6	6.4	95	10.4	98	1014.1	4	9	3		1	8					2	6	7.0
	12	8.0	70	10.5	98	1014.3	31	10	3	5	1	7	2	9	6		2	2	.
	18	5.6	83	10.3	98	1013.2	31	5	2		1	6					1	6	.8
26	0	4.8	91	10.2	98	1012.7	30	13	4		1	8					80	8	3.0
	6	5.2	80	10.1	97	1012.1	25	19	5		4	8					60	8	4.5
	12	4.1	95	10.3	98	1012.1	22	22	6*	4	3	8	8	5			2	8	5.0
	18	5.0	86	10.4	97	1010.0	22	25	6*		4	8					61	8	10.0
27	0	3.2	91	10.1	98	1009.9	29	4	2		2	4					1	8	6.0
	6	5.2	79	10.1	98	1010.4	34	10	3		4	5					26	8	10.0
	12	3.8	91	10.2	98	1004.9	34	10	3	4	4	8	4	9	2		26	8	4.0
	18	4.6	80	10.2	98	1005.5	1	26	6*		4	6					2	8	4.2
28	0	4.0	85	9.5	98	1004.0	2	24	6*		4	2					23	7	5.0
	6	4.2	76	9.0	98	1004.9	36	31	7*	5	5	8					3	0	9.0
	12	2.2	82	8.5	97	1008.6	7	23	6*	5	4	6	6	5	0	0	2	8	1.0
	18	2.9	81	8.3	98	1014.4	7	20	5		2	8					3	2	1.0
29	0	4.0	85	9.0	98	1018.6	6	17	5			2					2	0	.
	6	3.1	78	8.7	98	1020.6	4	16	5			4					2	0	.
	12	3.0	92	8.2	98	1020.7	5	12	4	4	2	6	4	5	9	0	2	8	.2
	18	2.7	73	8.5	98	1021.2	5	15	4		2	8					2	2	.2
30	0	2.6	72	8.5	98	1020.7	5	14	4		1	8					2	7	.0
	6	2.9	84	7.9	98	1020.2	4	17	5			8					2	2	.0
	12	1.7	80	8.5	98	1020.0	7	16	5	4	2	8	5	7	2		23	2	.0
	18	2.0	82	7.8	98	1020.2	3	13	4		1	8					3	2	.0

1978 DEZEMBER FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	3.0	84	8.0	98	1020.1	6	13	4		1	8					2	7	.0
	6	3.5	83	8.2	98	1021.7	5	12	4	0	0	8					2	2	.0
	12	3.1	91	8.2	97	1023.4	9	13	4	3	1	8	8	5			2	2	.
	18	3.5	85	8.0	98	1024.0	8	10	3		1	8					3	2	.
2	0	3.6	83	7.7	98	1024.3	9	6	2			8					2	2	.
	6	3.5	86	7.8	98	1023.9	8	10	3		1	8					2	2	.
	12	5.0	88	8.4	97	1022.5	8	12	4	3	1	8	8	5			2	2	.
	18	4.5	93	8.4	96	1021.6	16	17	5		1	8					10	2	.
3	0	4.6	87	8.2	96	1020.9	15	19	5		2	8					10	2	.
	6	4.8	85	8.0	97	1019.2	12	19	5		2	8					2	2	.
	12	5.2	90	8.4	96	1017.3	13	23	6*	4	2	8	8	5			10	2	.
	18	4.0	85	8.1	96	1016.3	13	26	6*		3	8					10	2	.
4	0	3.5	85	7.9	97	1015.4	12	28	7*		3	0	0	0	0	0	1	2	.
	6	1.6	85	8.2	97	1014.4	12	27	6*		4	8					3	0	.
	12	2.6	81	8.9	97	1015.8	12	31	7*	5	4	5	0	0	0	1	2	2	.
	18	1.4	65	7.6	98	1018.8	11	26	6*		4	2					1	2	.
5	0	.4	72	7.8	98	1023.2	11	27	6*			0	0	0	0	0	2	0	.
	6	-1.4	75	8.0	98	1027.0	11	20	5		2	0	0	0	0	0	2	0	.
	12	-1.0	74	7.8	98	1030.7	11	18	5	4	1	0	0	0	0	0	2	0	.
	18	-.6	80	7.8	98	1031.0	11	20	5			0	0	0	0	0	0	0	.
6	0	-.1	82	7.9	98	1032.5	14	25	6*		2	0	0	0	0	0	2	0	.
	6	.9	56	8.1	98	1031.1	14	17	5		2	0	0	0	0	0	2	0	.
	12	.0	73	7.9	98	1030.1	14	24	6*	5	2	0	0	0	0	0	2	0	.
	18	1.3	72	7.8	98	1028.1	11	21	5		2	0	0	0	0	0	2	0	.
7	0	-.7	87	7.8	97	1025.9	14	20	5		2	0	0	0	0	0	2	0	.
	6	-1.2	81	7.6	98	1022.3	14	26	6*		3	0	0	0	0	0	2	0	.
	12	-3.7	83	7.5	95	1020.7	11	21	5	4	3	7	7	4			12	4	.
	18	-3.8	89	7.5	96	1018.2	11	25	6*	4	3	6					10	4	.
8	0	-3.9	83	7.8	96	1015.6	11	28	7*	3	3	0	0	0	0	0	10	0	.
	6	-4.0	63	7.8	95	1012.1	11	25	6*		3	7					10	1	.
	12	-3.9	91	7.8	95	1007.9	11	29	7*	4	3	8	8	6			12	4	.
	18	-2.1	88	7.8	96	1000.9	11	29	7*		3	8					10	2	.
9	0	-.5	96	7.5	96	997.2	14	27	6*			8					0	0	.
	6	5.9	97	7.9	96	997.4	20	22	6*			8					10	0	4.1
	12	7.0	96	7.8	96	1001.3	23	27	6*	4	3	8	8	6			10	2	.
	18	7.9	94	7.8	97	1004.5	25	23	6*		3	8					2	2	.
10	0	9.1	95	7.9	92	1008.5	25	23	6*		3	8	8	6			45	4	.0
	6	8.0	92	7.8	97	1010.4	25	16	5		2	0	0	0	0	0	1	0	.5
	12	5.7	97	7.8	92	1013.1	25	15	4	5	2	8	8	6			45	4	.
	18	6.7	96	7.6	93	1013.1	11	13	4		1	8	8	6			43	4	.

1978 DEZEMBER FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	6.0	96	7.8	95	1012.1	11	16	5		1	8					61	4	2.0
	6	6.5	96	7.7	95	1008.6	11	21	5		1	8					61	6	9.5
	12	6.7	95	7.4	95	1005.2	11	19	5		2	8	8	6			10	6	2.0
	18	6.8	93	7.5	95	1000.3	11	21	5		1	8					10	2	1.3
12	0	7.1	93	7.8	96	996.0	11	16	5		1	7					10	2	.
	6	6.0	92	7.6	95	992.0	15	16	5		1	8					10	2	.
	12	8.9	89	7.8	97	990.8	18	16	5		1	7	7	0	6		1	2	.0
	18	7.8	92	7.6	97	985.2	16	19	5			8					0	0	.0
13	0	8.0	97	7.7	97	982.9	20	15	4		1	7					21	6	3.0
	6	6.9	96	7.5	97	982.2	20	18	5			8					60	0	3.1
	12	7.3	96	7.6	96	978.9	20	22	6*	4	2	8	8	6			61	6	3.0
	18	7.2	89	7.7	98	977.0	23	21	5			8					0	0	4.5
14	0	6.1	89	7.4	98	977.8	23	22	6*		3	0	0	0	0	0	1	0	.
	6	5.5	91	7.6	97	978.2	18	16	5		2	8					2	2	.
	12	6.4	89	7.4	97	976.5	16	16	5		1	8	8	0	2		2	2	2.0
	18	6.5	89	7.4	97	976.7	20	20	5		2	8					61	6	3.2
15	0	5.7	90	7.4	98	978.2	27	13	4		1	8					2	6	1.0
	6	5.0	93	7.3	98	984.8	5	9	3		1	8					2	2	1.0
	12	4.5	91	7.4	97	988.5	7	13	4		1	8	8	6			2	6	.0
	18	4.7	91	6.9	97	992.3	7	19	5		1	8					2	2	.0
16	0	3.9	91	7.3	97	995.8	7	23	6*		1	8					2	2	.
	6	3.4	89	7.1	98	998.9	7	22	6*		2	8					3	2	.
	12	2.4	84	7.0	98	1002.2	7	19	5	4	2	7	7	5			2	2	.
	18	1.3	81	7.0	98	1006.0	5	16	5		2	0	0	0	0	0	1	0	.
17	0	.6	77	6.8	98	1009.1	5	7	3		1	6					3	2	.
	6	1.5	82	6.6	98	1012.9	20	9	3		1	1					1	1	.
	12	.7	71	6.8	98	1017.3	7	6	2		1	7	7	0	8		3	2	.
	18	.0	89	5.8	98	1021.0	5	9	3		1	0	0	0	0	0	2	0	.
18	0	.8	74	6.8	98	1024.2	14	8	3		1	0	0	0	0	0	2	0	.
	6	.0	80	6.7	98	1027.0	20	11	4		1	0	0	0	0	0	2	0	.
	12	-1.2	79	6.7	91	1028.7	23	14	4		1	8	8	6			47	4	.
	18	.2	89	6.7	97	1028.2	23	13	4	4	2	1					1	4	.
19	0	.6	83	6.2	97	1027.4	23	16	5		2	0	0	0	0	0	1	0	.
	6	1.9	61	6.5	98	1025.5	23	12	4		1	0	0	0	0	0	2	0	.
	12	1.0	80	6.0	97	1023.2	14	10	3	3	1	7	7	0	2		3	0	.
	18	1.5	67	6.0	97	1020.6	9	13	4		1	8					2	2	.
20	0	1.0	75	6.0	98	1017.0	9	21	5		2	0	0	0	0	0	1	2	.
	6	2.2	73	6.0	98	1014.0	9	28	7*		3	8					2	2	.
	12	1.7	69	5.3	97	1013.1	10	30	7*	4	3	8	8	0	2		2	2	.
	18	1.5	73	6.0	97	1014.5	11	21	5		2	8					2	2	.

1978 DEZEMBER FEUERSCHIFF " ELBE 1 "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	.2	89	5.8	96	1017.2	12	17	5		2	8					10	7	.0
	6	.5	84	6.0	96	1019.1	12	14	4		2	8					10	2	.0
	12	1.5	87	5.8	95	1020.7	11	27	6*	4	2	8	8	5			10	2	.
	18	1.7	83	6.2	96	1020.8	11	23	6*		3	8					10	2	.
22	0	.9	85	5.7	97	1020.0	11	26	6*			8					2	2	.
	6	-.3	98	6.1	96	1018.1	13	22	6*		3	8					10	2	.
	12	-1.4	81	5.6	95	1016.9	11	17	5	3	2	8	8	6			10	2	.
	18	-1.4	92	5.8	95	1014.4	11	10	3		2	8					10	2	.
23	0	-1.4	88	5.6	96	1013.7	9	8	3		1	8					10	2	.
	6	.0	87	6.0	96	1011.8	9	6	2			8					10	2	.
	12	.7	96	5.5	95	1011.4	17	5	2	0	0	8	8	6			71	2	.0
	18	.6	89	6.0	96	1009.9	13	9	3	0	0	8					10	7	.0
24	0	-.7	87	5.8	96	1008.5	18	10	3		1	8					10	2	.
	6	-.3	80	5.9	97	1006.0	11	17	5		2	8					2	2	.
	12	-.8	89	5.4	96	1004.2	10	20	5	3	2	8	8	6			10	2	.
	18	.8	86	5.8	96	1000.1	11	24	6*		3	8					10	2	.
25	0	1.2	93	5.6	96	994.6	11	27	6*		4	8					61	2	3.0
	6	.5	84	5.8	96	992.0	18	13	4		2	8					61	6	2.5
	12	5.2	97	5.8	93	994.3	24	22	6*	4	2	8	8	6			45	5	.4
	18	6.6	92	5.7	96	996.3	23	17	5		3	8					10	2	.6
26	0	6.2	93	5.8	97	999.4	23	26	6*		3	8					60	2	.4
	6	6.0	92	5.8	97	1001.4	23	25	6*	4	4	8					2	6	.4
	12	5.9	97	6.0	96	1004.6	25	20	5	5	4	8	5	5	2		10	2	.
	18	5.5	93	6.0	97	1003.6	5	3	1		1	8					61	2	.9
27	0	4.0	89	5.7	98	1005.1	36	7	3		1	8					2	6	.0
	6	3.2	89	5.5	98	1006.7	4	7	3		1	8					2	2	.0
	12	3.0	91	5.7	97	1007.2	5	7	3	3	1	8	8	5			2	2	.
	18	2.1	90	5.1	97	1004.2	9	15	4		1	8					2	2	.
28	0	2.6	92	5.7	96	999.9	11	20	5		1	8					61	6	.1
	6	3.1	95	5.1	97	989.9	9	25	6*		2	8					61	6	4.0
	12	3.1	94	5.8	96	988.4	9	12	4	4	2	8	8	6			51	5	2.0
	18	2.5	94	5.4	96	989.2	9	27	6*		2	8					51	5	4.4
29	0	2.2	92	5.1	96	990.9	9	26	6*		3	8					68	7	1.0
	6	.0	96	4.5	95	990.0	9	29	7*		4	8					71	7	1.4
	12	-.3	91	5.6	97	992.1	9	31	7*	7	4	8	8	6			22	7	1.0
	18	-.9	92	5.2	96	993.9	9	30	7*	5	4	8					71	7	1.5
30	0	-2.0	94	5.1	95	997.0	9	37	8**		5	8					73	7	.0
	6	-4.7	93	4.6	96	1000.5	9	33	7*		5	8					73	7	.0
	12	-4.6	93	4.6	95	1003.1	9	37	8**	6	5	8	8	6			71	7	.0
	18	-5.7	90	3.7	97	1004.1	9	29	7*	6	5	2					1	7	.0
31	0	-5.4	92	3.5	98	1002.8	9	27	6*		4	5					2	2	.
	6	-6.5	84	2.9	98	997.1	9	32	7*		4	8					3	7	.0
	12	-6.5	95	2.6	98	997.7	9	29	7*	4	3	7	7	5			2	2	.
	18	-6.0	89	3.5	97	998.9	5	43	9**		6	7					2	7	.0

1978 JANUAR FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	3.6	91	4.3	98	1010.9	27	16	5			8					3	2	.
	6	4.6	71	4.4	98	1013.0	27	16	5			0	0	0	0	0	2	0	.
	12	4.2	93	4.7	97	1011.6	22	25	6*	3	2	8	8	6			3	2	.
	18	6.0	89	4.5	97	1009.4	25	26	6*			8					60	2	.3
2	0	6.1	89	4.6	97	1009.7	27	26	6*			7					2	5	.0
	6	6.1	89	4.6	98	1010.1	25	23	6*			1					1	8	.0
	12	5.5	93	4.7	97	1008.8	25	24	6*	3	2	8	8	6			3	5	.3
	18	5.3	84	4.7	97	1007.0	25	21	5			8					2	6	.9
3	0	4.5	82	4.6	98	1008.0	27	24	6*			0	0	0	0	0	2	0	.
	6	3.9	85	4.7	97	1002.7	22	33	7*			8					61	6	.3
	12	4.0	78	4.7	97	996.0	22	28	7*	4	4	8	8	7			2	6	.0
	18	2.6	90	4.6	97	985.2	25	28	7*			8					61	6	.2
4	0	2.3	64	4.6	98	998.0	32	29	7*			0	0	0	0	0	1	2	2.0
	6	2.3	92	4.5	98	1003.0	34	28	7*			0	0	0	0	0	1	7	2.0
	12	1.9	64	4.5	98	1009.4	32	21	5	3	2	1	1	2	0	0	1	0	.
	18	.2	88	4.4	98	1017.6	36	25	6*			1					1	2	.0
5	0	-2.0	71	4.0	98	1026.5	2	22	6*			0	0	0	0	0	1	0	.
	6	.2	67	4.0	98	1031.0	32	20	5			0	0	0	0	0	2	0	.
	12	.2	72	4.0	98	1032.2	25	20	5	3	2	8	8	7			3	1	.
	18	1.0	56	4.0	98	1027.0	22	27	6*			8					2	2	.
6	0	1.4	90	4.0	96	1021.1	25	35	8**			8					68	7	.0
	6	5.0	94	4.0	95	1019.9	27	22	6*			8					21	6	.2
	12	5.3	93	4.2	96	1022.7	27	21	5	3	2	8	8	5			10	5	.0
	18	5.3	93	4.2	97	1025.8	25	18	5	3	2	8					2	2	.0
7	0	4.9	93	4.3	97	1028.2	27	17	5	3	2	1					1	2	.
	6	4.2	94	4.2	97	1028.9	22	13	4	3	1	8					2	0	.
	12	4.6	84	4.2	96	1028.2	22	14	4	3	1	8	8	6			10	2	.
	18	4.2	88	4.2	96	1027.5	22	16	5	3	1	8					10	2	.
8	0	3.4	86	4.2	97	1027.2	20	10	3	2	1	8					2	2	.
	6	3.2	88	4.1	96	1026.5	25	9	3	2	1	4					10	2	.
	12	5.3	73	4.0	96	1026.7	25	7	3	2	1	5	0	0	0	?	5	2	.
	18	1.0	97	3.8	91	1025.9	16	11	4		0	8	8	6			45	2	.
9	0	-.1	96	3.6	91	1023.8	18	11	4	2	1	8	8	6			45	4	.
	6	.6	95	3.6	94	1020.1	25	12	4	2	1	8					10	4	.
	12	.6	91	3.8	95	1018.8	22	15	4	3	1	8	8	6			10	4	.
	18	1.7	90	3.8	95	1014.0	20	18	5	3	2	5					10	2	.
10	0	3.0	92	3.7	95	1008.8	20	23	6*	3	3	8					61	2	2.0
	6	3.6	88	3.9	98	1006.9	25	21	5	3	3	1					1	6	1.7
	12	3.1	86	3.7	97	1005.0	22	25	6*	3	3	8	8	5			61	0	.0
	18	2.6	89	3.9	97	1004.2	22	30	7*	4	4	5					1	6	.1

1978 JANUAR FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	3.7	74	3.8	97	1002.8	22	21	5	4	3	8					3	6	.1
	6	2.6	90	3.7	97	996.1	18	23	6*	3	3	8					83	2	.8
	12	3.5	89	3.7	97	993.8	18	21	5	3	2	8	8	6			2	8	.0
	18	2.5	90	3.5	97	992.5	13	16	5	3	2	8					61	2	1.0
12	0	3.1	94	3.5	96	993.8	13	14	4	3	1	8					61	6	2.0
	6	3.0	89	3.5	96	997.0	11	13	4	2	1	8					10	6	3.0
	12	2.4	92	3.5	95	1005.9	2	14	4	2	1	8	8	6			10	6	.6
	18	1.9	92	3.6	98	1016.1	4	22	6*	3	2	8					2	6	.8
13	0	1.0	86	3.5	98	1024.0	36	18	5	3	2	8					2	2	.
	6	.5	83	3.5	98	1026.0	0	0	0	0	0	4					1	2	.
	12	1.2	85	3.5	98	1026.1	27	17	5	3	1	8	8	5			2	2	.
	18	2.2	82	3.5	98	1021.5	25	23	6*	3	3	8					2	2	.
14	0	4.3	96	3.5	96	1020.5	25	20	5	3	2	8					10	6	.0
	6	4.0	94	3.5	98	1020.8	32	16	5	3	2	2					2	2	.0
	12	3.9	86	3.5	97	1023.9	32	9	3	2	1	5	0	0	0	6	3	0	.
	18	3.4	92	3.7	97	1026.0	32	3	1		0	0	0	0	0	0	1	2	.
15	0	1.5	98	3.4	91	1027.0	25	5	2		0	8	8	6			45	0	.
	6	1.6	95	3.4	94	1025.9	22	10	3		0	8					10	4	.
	12	1.9	85	3.5	97	1025.0	16	8	3	2	1	7	7	5			1	2	.
	18	2.2	82	3.5	97	1019.7	13	22	6*	3	2	0	0	0	0	0	1	2	.
16	0	1.4	85	3.4	97	1014.9	13	24	6*	3	3	0	0	0	0	0	2	0	.
	6	1.3	83	3.4	97	1010.8	16	21	5	3	2	0	0	0	0	0	1	1	.
	12	1.4	82	3.3	96	1008.8	16	18	5	3	2	0	0	0	0	0	10	0	.
	18	1.2	88	3.3	96	1007.1	18	9	3		0	8					10	0	.
17	0	1.6	90	3.2	96	1006.9	22	13	4	2	1	8					10	2	.
	6	1.2	90	3.0	96	1007.2	16	11	4	2	1	3					10	2	.
	12	2.8	84	3.3	95	1008.1	13	17	5	2	1	4	3	0	3	2	10	0	.
	18	3.0	86	3.2	96	1008.3	11	17	5	3	1	3					10	2	.
18	0	1.6	93	3.0	96	1008.0	11	18	5	3	1	4					10	0	.
	6	2.1	92	2.8	96	1005.8	9	19	5	3	2	8					61	2	.3
	12	1.5	90	3.0	95	1003.6	11	14	4	3	1	8	8	6			68	2	.2
	18	1.5	97	2.9	95	1003.5	16	17	5	3	1	8					51	6	.3
19	0	1.7	97	2.9	95	1004.3	18	12	4	2	1	8					10	5	.0
	6	1.5	97	2.9	96	1005.0	18	18	5	2	1	8					51	7	.4
	12	2.2	92	3.0	96	1007.3	18	13	4	3	1	1	0	0	0	2	10	2	.0
	18	2.2	93	3.1	96	1004.8	11	26	6*	3	2	3					10	0	.0
20	0	2.0	85	2.9	96	1003.5	11	26	6*	4	3	8					10	0	.
	6	2.0	87	2.9	96	1004.3	13	23	6*	4	3	8					10	2	.
	12	1.8	87	2.9	96	1009.0	13	17	5	3	2	8	8	6			10	2	.
	18	1.5	88	2.6	96	1012.9	13	14	4			7					10	2	.

1978 JANUAR FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	1.7	88	2.9	96	1015.3	16	15	4			8					10	2	.
	6	1.5	85	2.8	96	1016.1	13	14	4			8					10	2	.
	12	1.1	85	2.7	96	1017.1	13	12	4	2	1	8	8	7			71	7	.0
	18	.6	93	2.7	96	1015.1	16	16	5			8					71	7	.0
22	0	.5	93	2.6	96	1014.1	16	16	5			8					10	2	.0
	6	1.0	90	2.7	96	1011.5	16	14	4			8					10	2	.0
	12	1.1	91	2.6	95	1011.3	16	13	4	2	1	8	8	6			10	2	.
	18	1.5	83	2.8	96	1011.1	13	9	3			4					10	2	.
23	0	1.1	85	2.7	97	1012.2	16	14	4			8					2	2	.
	6	1.0	68	2.7	97	1011.2	16	15	4			8					2	2	.
	12	1.2	76	2.8	97	1011.4	18	16	5	2	1	8	8	6			2	2	.
	18	1.0	90	2.8	95	1008.4	20	14	4			8					10	2	.
24	0	1.0	93	2.6	96	1003.0	16	21	5			8					10	2	.
	6	1.8	84	2.7	97	993.0	16	28	7*			8					2	2	.
	12	1.2	95	2.8	94	987.2	13	22	6*	3	3	8	8	7			68	7	2.0
	18	2.8	94	2.8	96	983.1	13	10	3			8					61	6	3.4
25	0	3.7	94	2.8	97	984.5	22	20	5			8					2	6	3.0
	6	3.3	92	2.7	97	985.2	20	20	5			8					61	2	3.7
	12	1.7	92	2.8	97	988.0	32	26	6*	3	3	8	8	7			68	7	2.0
	18	1.9	84	2.5	97	990.3	32	28	7*			8					2	2	2.5
26	0	1.5	82	2.6	97	998.2	32	23	6*			2					1	2	.
	6	2.0	93	2.5	97	997.7	29	21	5			8					2	2	.0
	12	2.5	84	2.7	97	998.0	29	22	6*	3	3	8	8	5			80	7	1.0
	18	.9	83	2.5	98	1002.9	32	19	5			1					1	2	1.3
27	0	1.0	76	2.3	97	1004.6	25	6	2			6					3	2	.
	6	1.0	95	2.2	96	1003.6	18	10	3			8					71	7	.0
	12	1.9	92	3.1	97	1004.1	22	16	5	2	1	8	8	5			2	2	.
	18	2.1	92	2.4	97	1004.1	22	17	5			8					26	2	.1
28	0	2.4	89	2.3	97	1003.4	20	16	5			8					3	0	.
	6	2.0	87	2.3	97	1000.0	16	19	5			6					3	2	.
	12	2.5	86	2.5	97	995.8	13	26	6*	3	2	7	7	6			2	2	.
	18	2.0	92	2.4	97	991.3	13	25	6*			7					2	2	.
29	0	2.4	84	2.4	97	989.5	13	24	6*			8					2	2	.
	6	2.3	79	2.3	97	988.1	13	16	5			8					2	2	.
	12	2.2	89	2.4	96	988.9	12	17	5	2	1	8	8	7			68	7	.4
	18	2.3	90	2.3	96	989.0	13	4	2			8					51	7	2.2
30	0	3.0	92	2.4	96	990.2	0	0	0			8					10	2	.0
	6	2.3	93	2.2	95	990.4	29	12	4			8					10	2	.0
	12	2.0	92	2.4	95	992.2	25	10	3	2	1	8	8	6			10	2	.
	18	2.3	90	2.3	97	996.2	20	14	4			8					2	2	.
31	0	1.6	93	2.4	97	1000.1	25	14	4			8					68	7	.0
	6	2.0	90	2.4	98	1004.9	20	18	5			6					1	2	.0
	12	2.3	82	2.3	98	1008.0	25	15	4	2	1	4	3	2	1	1	1	2	.
	18	1.6	92	2.2	98	1010.0	27	16	5			1					2	0	.0

1978 FEBRUAR FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	1.5	88	2.3	97	1010.0	18	10	3			8					3	2	.
	6	.8	95	2.1	97	1010.9	18	12	4			4					1	2	.
	12	2.0	84	2.2	97	1010.0	16	14	4	2	1	3	2	5	1	0	1	4	.
	18	1.4	83	2.2	97	1007.3	13	25	6*			0	0	0	0	0	1	0	.
2	0	1.3	78	2.2	97	1003.2	13	31	7*			2					1	2	.
	6	.6	88	2.3	97	1003.5	11	32	7*			8					3	0	.
	12	1.9	80	2.1	97	1005.0	11	29	7*	3	3	8	8	6			3	2	.
	18	1.5	87	2.2	97	1008.8	7	20	5			8					71	2	.0
3	0	1.5	90	2.0	97	1011.2	7	18	5			8					71	7	.0
	6	1.0	95	2.1	96	1014.7	4	15	4			8					71	7	.1
	12	1.1	93	2.2	96	1018.3	4	14	4	3	1	8	8	5			51	7	.1
	18	1.2	88	2.2	97	1021.9	4	11	4	3	1	8					71	5	.1
4	0	.7	91	2.0	96	1024.6	4	13	4	3	1	8					73	7	.0
	6	.3	89	2.0	96	1026.0	7	11	4	2	1	8					73	7	.0
	12	.5	89	2.0	97	1027.5	13	9	3	2	1	8	4	7	2		71	7	.0
	18	.5	88	2.0	97	1027.3	13	12	4	2	1	8					2	7	.0
5	0	-.6	82	2.0	97	1026.8	16	15	4	2	1	8					2	2	.
	6	-1.6	84	2.1	97	1024.4	13	14	4	3	1	8					2	2	.
	12	-1.5	86	2.2	96	1022.0	13	16	5	2	1	8	8	6			10	2	.
	18	-.8	91	2.0	97	1019.1	13	16	5	3	2	8					2	7	.0
6	0	-.9	79	2.1	96	1018.0	11	18	5	3	1	8					71	2	.0
	6	-1.9	88	1.9	97	1017.2	11	18	5	3	2	8					2	7	.0
	12	-1.6	77	1.9	96	1018.8	11	16	5	3	2	8	8	5			10	2	.
	18	-1.0	76	1.8	97	1020.0	9	17	5	3	2	8					3	2	.
7	0	-.2	66	1.9	97	1020.8	11	14	4	3	1	8					2	2	.
	6	-.6	83	1.9	97	1021.1	4	15	4	2	1	8					71	2	.0
	12	-.7	81	1.7	96	1023.4	4	16	5	3	1	7	7	5			10	7	.0
	18	-.7	83	1.6	97	1023.5	4	13	4	3	1	5					3	2	.0
8	0	-.5	71	1.6	97	1023.9	2	16	5	3	1	8					2	2	.
	6	-1.5	88	1.4	97	1023.9	2	16	5	3	2	8					71	2	.0
	12	-2.1	85	1.7	97	1023.4	4	17	5	3	2	7	7	5			2	7	.0
	18	-2.4	86	1.7	97	1022.9	2	15	4	3	1	4					22	2	.0
9	0	-3.3	85	1.8	97	1021.9	4	19	5	3	2	8					2	7	.0
	6	-3.5	95	1.6	97	1021.1	2	19	5	3	2	2					1	7	.0
	12	-3.5	81	1.5	98	1021.0	2	16	5	3	2	6	6	2	0	0	3	0	.
	18	-3.1	77	1.8	98	1019.6	2	15	4	3	1	3					2	2	.
10	0	-3.0	85	1.5	98	1018.3	2	15	4	3	2	0	0	0	0	0	2	0	.
	6	-2.7	89	1.6	94	1015.0	2	18	5	3	2	8					75	0	.0
	12	-1.7	71	1.5	98	1013.7	13	20	5	3	2	7	7	2			1	7	.0
	18	-1.9	71	1.5	97	1011.6	11	31	7*	4	3	7					2	2	.0

1978 FEBRUAR FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	-1.9	88	1.6	97	1010.0	11	26	6*	4	4	8						2	2	.
	6	-2.5	80	1.6	97	1006.0	9	28	7*	4	4	8						2	2	.
	12	-1.2	94	1.5	95	1002.5	9	28	7*	4	4	8	8	5				10	2	.
	18	.4	93	1.5	95	997.7	7	25	6*	4	3	8						73	2	.0
12	0	-.5	93	1.3	95	995.5	11	20	5	3	2	8						73	7	.0
	6	-.3	93	1.3	96	995.3	20	9	3		0	8						73	7	.0
	12	-2.7	94	1.3	95	997.0	22	12	4	2	1	8	8	6				71	5	.0
	18	-1.5	96	1.3	94	997.0	18	11	4	2	1	8						73	7	.0
13	0	-.2	100	1.3	96	998.0	25	20	5	3	1	8						71	7	.0
	6	-.4	87	1.2	97	999.0	22	21	5	3	2	8						2	7	.0
	12	-1.1	79	1.2	96	1001.1	22	13	4	3	1	2	0	0	0	5		5	2	.
	18	-1.0	81	1.0	97	1001.5	20	9	3	2	1	7						2	0	.
14	0	-.9	85	1.0	96	1003.4	22	7	3		0	8						71	2	.0
	6	-1.0	92	.8	95	1003.5	9	8	3		0	8						71	7	.0
	12	-.9	83	.8	95	1005.5	18	11	4	2	1	8	8	6				10	2	.0
	18	-1.1	79	.8	96	1008.9	9	8	3	2	1	8						71	2	.0
15	0	-1.4	83	1.0	97	1010.2	7	10	3	2	1	8						2	7	.0
	6	-.9	87	.7	97	1011.8	4	12	4	2	1	8						2	2	.0
	12	-1.2	89	.6	97	1013.3	4	11	4	2	1	7	7	5				1	7	.0
	18	-1.7	88	.8	97	1013.0	4	9	3	2	1	8						71	2	.0
16	0	-2.0	92	.7	97	1009.9	7	14	4	3	1	8						71	7	.0
	6	-1.9	92	.9	97	1007.2	20	10	3	2	1	5						1	7	.0
	12	-1.5	90	.7	97	1007.5	9	5	2		0	7	7	8				3	2	.
	18	-2.3	78	.8	97	1008.0	36	11	4	2	1	7						2	2	.
17	0	-2.2	82	.6	97	1009.0	29	12	4	3	1	7						2	2	.
	6	-3.5	93	.5	96	1008.5	27	22	6*	3	2	8						71	4	.0
	12	-2.0	90	.3	96	1009.0	27	21	5	3	3	7	7	6				10	2	.
	18	.0	91	.6	98	1009.8	27	23	6*			8						3	2	.0
18	0	-2.1	82	.6	98	1013.0	36	21	5			1						1	2	.
	6	-2.6	68	.1	98	1015.5	27	8	3	2	1	0	0	0	0	0		1	0	.
	12	-2.2	84	.6	98	1015.2	25	21	5	3	2	7	6	8	0	2		26	2	.0
	18	-1.0	92	1.3	98	1015.2	32	20	5	2	1	1						1	1	.0
19	0	-2.4	88	1.0	98	1017.9	36	10	3			1						2	0	.
	6	-3.5	79	.5	98	1018.0	4	11	4			0	0	0	0	0		2	0	.
	12	-2.4	76	.5	98	1020.3	7	6	2	2	1	1	1	0	1	0		3	0	.
	18	-3.0	73	.3	98	1021.0	4	10	3			1						2	0	.
20	0	-3.0	73	.0	98	1022.1	4	7	3			0	0	0	0	0		2	0	.
	6	-3.7	68	-.2	98	1022.6	29	10	3			0	0	0	0	0		2	0	.
	12	-2.3	76	-.5	98	1023.8	27	22	6*	3	2	0	0	0	0	0		2	0	.
	18	-1.8	84	.4	97	1022.0	27	29	7*	3	3	4						3	1	.

1978 FEBRUAR FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	-1.1	81	.5	97	1021.8	27	23	6*			1					1	2	.
	6	-1.8	82	.0	97	1020.1	26	19	5			8					3	1	.
	12	1.5	67	.5	98	1019.6	25	11	4	2	1	3	1	2	1	2	1	1	.
	18	-.7	67	.0	97	1015.9	13	13	4			5					3	0	.
22	0	-.8	69	.4	96	1012.0	16	12	4			6					10	2	.
	6	-1.7	82	.1	96	1008.0	18	11	4			8					10	2	.
	12	.4	96	.3	93	1007.9	27	10	3	3	1	8					51	4	.3
	18	1.0	91	.4	91	1009.0	27	9	3			8					71	7	.3
23	0	-.1	96	.1	95	1011.7	0	0	0			8					71	7	.5
	6	.5	93	.1	95	1013.5	11	21	5			8					10	2	.6
	12	.7	84	.2	96	1012.8	11	31	7*	4	4	8	8	6			10	2	.
	18	.5	91	.5	96	1007.9	11	32	7*			8					69	7	.2
24	0	.6	95	.6	96	1003.5	11	26	6*			8					68	7	9.0
	6	1.5	92	.5	96	1001.9	16	21	5			8					10	2	10.0
	12	2.0	76	.4	96	1003.1	18	16	5	2	1	8	8	5			10	0	.
	18	3.0	87	.5	95	1002.9	18	11	4			8					10	2	.
25	0	2.0	92	.5	94	1001.0	13	10	3								10	4	.
	6	1.8	98	.5	90	1000.0	13	6	2			8	8	6			45	4	.
	12	2.0	97	.6	91	998.8	13	12	4	2	1	8	8	6			45	4	.
	18	1.3	98	.6	91	996.0	9	17	5			8	8	6			45	4	.
26	0	2.0	92	.6	94	994.6	13	13	4			7					10	4	.
	6	2.0	95	.6	95	992.5	10	18	5			8					10	5	.0
	12	3.1	91	.6	94	993.6	13	11	4	2	0	7	7	5			10	2	.
	18	2.0	92	.9	95	994.2	11	9	3	2	1	7					10	4	.
27	0	2.2	97	.8	91	996.0	11	9	3			8	8	6			45	4	.
	6	1.6	97	.7	93	996.1	9	14	4	2	0	8	8	6			45	4	.
	12	3.5	88	1.0	95	997.4	13	10	3	2	1	1	1	6	0	0	10	0	.
	18	4.5	93	1.2	97	997.8	13	13	4			7					3	0	.
28	0	4.1	92	1.0	97	1000.0	13	14	4			2					3	0	.
	6	3.2	94	1.0	97	1001.2	16	12	4	2	0	8					61	2	.1
	12	5.0	86	1.0	96	1004.0	25	10	3	2	0	8	8	6			10	2	.
	18	4.2	90	1.4	97	1007.5	2	3	1		0	0	0	0	0	0	1	2	.

1978 MAERZ FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	.3	96	1.3	93	1008.7	0	0	0	0	0	0	0	0	0	0	44	4	.
	6	2.0	98	1.1	91	1009.7	9	11	4	2	0	8	8	6			45	4	.
	12	1.6	98	1.3	92	1010.1	11	13	4	2	1	8	8	6			45	4	.
	18	1.3	98	1.3	91	1009.9	9	16	5			8	8	6			45	4	.
2	0	1.2	93	1.1	91	1009.1	9	17	5			8	8	6			45	4	.
	6	1.0	98	1.1	91	1007.9	9	21	5	2	2	8	8	6			45	4	.
	12	1.5	95	1.0	92	1007.8	13	19	5		3	8					51	4	.
	18	2.3	97	1.1	91	1007.2	9	12	4			8	8	6			45	5	.3
3	0	2.2	97	1.1	91	1007.0	11	11	4			8	8	6			45	4	.
	6	1.8	95	1.0	91	1004.9	9	19	5			8	8	6			45	4	.
	12	2.3	97	1.1	92	1004.8	9	15	4	3	2	8					61	4	1.0
	18	3.3	95	1.1	94	1005.9	13	13	4	2	1	8					10	6	1.5
4	0	3.0	97	1.1	92	1007.9	16	7	3		0	8	8	6			45	2	.
	6	2.7	97	1.1	91	1009.8	25	5	2		0	8	8	6			45	4	.
	12	3.6	95	1.2	92	1011.5	9	6	2		0	8	8	6			43	4	.
	18	3.1	94	1.5	92	1010.9	11	8	3		0	8	8	6			45	4	.
5	0	3.1	95	1.5	91	1010.9	13	4	2		0	8					51	4	.3
	6	2.2	97	1.5	91	1010.2	29	7	3		0	8	8	6			45	5	1.1
	12	2.3	92	1.4	97	1012.8	29	13	4	2	1	8	8	6			2	5	.0
	18	2.6	89	1.5	98	1015.2	29	20	5	3	1	2					1	2	.0
6	0	1.4	85	1.3	98	1017.3	29	24	6*	3	2	0	0	0	0	0	2	0	.
	6	1.5	75	1.1	98	1018.2	29	25	6*	3	3	1					3	0	.
	12	2.6	79	1.5	98	1020.9	29	17	5	3	2	1	1	2	0	0	2	0	.
	18	2.5	79	1.6	98	1020.2	27	22	6*	3	2	3					3	0	.
7	0	1.5	83	1.5	98	1021.0	27	20	5	3	2	0	0	0	0	0	2	0	.
	6	2.1	92	1.6	96	1019.5	27	14	4	3	1	8					61	0	.4
	12	2.2	92	1.7	96	1019.0	25	14	4	3	1	8	8	5			61	6	.1
	18	2.7	94	1.8	94	1017.9	22	9	3		0	8					10	6	1.2
8	0	1.9	98	1.6	91	1017.1	9	8	3		0	8	8	6			45	2	.
	6	1.9	97	1.6	91	1015.2	13	9	3		0	8	8	6			45	4	.
	12	3.0	98	1.7	94	1011.8	18	12	4	2	1	8					61	4	1.0
	18	3.0	97	1.5	93	1006.5	18	12	4	2	1	8					61	4	2.2
9	0	3.4	97	1.5	92	1005.3	22	9	3		0	8	8	6			45	6	2.0
	6	3.0	77	1.5	97	1011.5	32	19	5	3	2	7					1	5	2.5
	12	4.0	79	1.8	97	1018.0	27	19	5	3	2	0	0	0	0	0	2	2	.
	18	4.3	85	1.7	97	1021.1	29	22	6*	3	2	6					3	0	.
10	0	3.2	89	2.2	98	1022.2	27	24	6*	3	3	0	0	0	0	0	2	2	.
	6	3.2	92	1.9	96	1022.1	27	12	4	3	1	8					10	0	.
	12	3.1	94	1.8	92	1022.9	25	16	5	2	1	8	8	6			45	5	.
	18	4.6	93	1.9	95	1020.5	25	20	5	3	2	8					61	4	1.0

1978 MAERZ FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	3.6	95	2.3	97	1018.5	27	28	7*	3	3	0	0	0	0	0	1	6	1.0
	6	3.0	92	2.2	97	1017.8	29	30	7*	4	4	7					3	0	1.3
	12	3.9	81	1.9	97	1021.3	34	15	4	3	1	2	0	0	0	5	3	2	.
	18	3.4	82	2.0	98	1021.3	34	6	2	2	1	2					2	0	.
12	0	1.9	88	1.9	99	1022.0	0	0	0	0	0	0	0	0	0	0	2	0	.
	6	1.6	90	1.7	98	1019.9	13	12	4		0	2					3	0	.
	12	3.1	91	1.7	97	1017.8	13	18	5	3	2	7	7	0	2		2	0	.
	18	4.2	82	1.9	97	1013.1	13	18	5	3	2	5					1	2	.
13	0	3.9	79	1.9	97	1009.1	18	19	5	3	2	8					61	6	.0
	6	3.4	97	2.2	95	1004.7	20	14	4	2	1	8					61	6	3.2
	12	4.6	84	2.1	97	1006.5	27	19	5	3	2	8	8	5			2	6	.2
	18	3.6	91	2.2	98	1007.9	25	23	6*	3	2	7	7	8			3	2	.2
14	0	3.2	88	2.2	97	1007.5	22	15	4	3	1	8					2	8	.0
	6	3.6	98	2.0	95	1003.5	20	19	5	3	2	8	5	7	2		61	2	1.1
	12	4.6	96	2.0	97	1002.4	22	21	5	3	2	8	8	5			2	6	.6
	18	4.2	97	2.3	96	1000.6	22	16	5	3	2	8					61	2	1.2
15	0	4.6	91	2.2	97	996.3	20	19	5	3	2	8					25	8	2.0
	6	4.7	90	2.1	96	993.7	22	24	6*	3	2	8	8	8			80	2	1.9
	12	5.4	83	2.3	97	992.7	22	25	6*	3	2	8	8	5			60	8	.2
	18	4.1	87	2.3	97	981.3	22	30	7*	4	3	8					60	6	1.3
16	0	4.2	88	2.3	98	991.5	25	21	5	3	3	4					1	6	.2
	6	3.8	89	2.2	97	991.8	18	15	4	3	1	8	8	0	2		3	2	.2
	12	4.4	93	2.4	97	987.4	18	16	5	3	1	8	8	5			2	6	1.0
	18	3.0	92	2.4	98	985.5	22	19	5	3	2	7					25	8	5.0
17	0	3.0	81	2.4	97	981.5	22	31	7*	4	4	8					61	2	.1
	6	2.5	90	2.2	96	985.8	25	21	5	3	2	8	8	5			60	8	2.0
	12	-.7	83	2.3	97	992.5	29	32	7*	4	4	8	8	7			85	8	.0
	18	-.2	89	2.0	97	999.0	32	28	7*	4	4	8					86	8	.0
18	0	-2.8	78	2.0	98	1004.2	32	27	6*			2					1	8	.0
	6	-2.0	80	2.0	98	1008.1	32	18	5	2	1	4	2	2	6	0	3	0	.0
	12	.3	74	2.0	96	1010.1	27	13	4	2	1	8	8	7			71	7	.0
	18	.3	95	1.8	96	1010.9	20	13	4	2	1	7					73	7	.0
19	0	1.0	93	1.8	96	1010.2	4	10	3			8					71	7	.3
	6	1.0	83	1.9	97	1012.5	7	22	6*	3	4	8	8	5			2	2	.3
	12	-3.0	56	2.0	98	1017.0	7	13	4	2	1	0	0	0	0	0	1	0	.
	18	-2.5	72	1.9	98	1015.5	13	10	3	2	0	1					3	0	.
20	0	-1.5	81	2.0	97	1006.9	13	29	7*			8					71	0	.0
	6	-2.0	96	2.1	94	995.1	13	31	7*	4	5	8					75	7	.0
	12	-.5	91	2.0	96	993.8	13	16	5	2	0	8	8	6			22	7	.0
	18	.4	96	1.9	96	994.2	9	10	3	2	1	8					71	7	.7

1978 MAERZ FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	.5	91	1.6	97	994.1	11	14	4			8					2	7	.0
	6	.0	87	1.8	97	996.1	9	13	4	2	1	8	8	7			71	7	.0
	12	1.0	78	1.9	97	1000.0	9	15	4	2	1	8	8	5			2	7	.0
	18	-.5	85	2.0	97	1005.1	4	12	4	2	0	7					22	2	.2
22	0	-.8	96	1.5	98	1009.0	36	20	5			7					22	7	.0
	6	-2.6	78	1.5	97	1012.9	32	14	4	3	2	5					1	2	.0
	12	-2.1	78	1.8	98	1014.4	29	10	3	2	1	1	1	0	1	0	1	0	.
	18	1.8	84	2.0	97	1010.0	13	19	5	2	1	6					3	0	.
23	0	2.1	87	1.8	98	1003.4	16	26	6*			8					3	0	.
	6	1.8	95	1.6	96	995.0	16	29	7*	3	2	8	8	7			69	7	2.0
	12	2.6	97	1.8	96	993.0	18	17	5	3	2	8	8	7			60	6	3.0
	18	2.5	92	1.9	97	994.9	18	18	5	3	2	8					61	8	2.7
24	0	2.7	89	1.9	97	996.2	22	23	6*			7					1	6	.2
	6	2.2	93	1.8	97	997.0	18	16	5	2	1	8	8	6			3	0	1.6
	12	3.5	89	1.9	97	1001.0	25	13	4	2	1	8	8	5			60	2	.0
	18	3.6	97	2.1	97	1006.1	22	25	6*	2	2	6					80	8	1.2
25	0	3.5	89	2.0	97	1010.0	25	14	4			7					3	0	.
	6	1.9	93	2.0	97	1009.1	20	19	5	3	2	7	4	1	1		1	2	.
	12	4.0	92	2.0	97	1005.0	18	22	6*	3	2	8	8	7			60	2	.0
	18	3.9	92	2.1	97	1003.0	22	17	5	2	1	3					1	6	1.8
26	0	3.7	94	2.0	96	996.0	16	18	5			8					10	2	.
	6	2.9	86	2.1	98	989.8	22	32	7*	4	4	5					1	8	3.5
	12	3.0	92	2.0	97	986.9	29	27	6*	4	4	8	8	7			60	7	1.0
	18	3.7	83	2.0	97	997.9	27	28	7*	4	5	7					1	2	2.0
27	0	2.6	90	2.0	98	1003.5	27	18	5			2					1	2	.
	6	2.9	91	2.0	97	1004.8	22	20	5	3	2	6					1	2	.
	12	5.0	83	2.1	97	1006.5	22	21	5	2	1	4	2	0	9	2	1	2	.0
	18	4.5	96	2.4	97	1003.0	18	25	6*			8					61	6	1.4
28	0	4.2	94	2.2	98	1005.2	25	19	5			0	0	0	0	0	1	2	.
	6	4.1	92	2.4	96	1009.6	22	18	5	2	1	7	7	5			10	0	.1
	12	5.6	89	2.4	97	1011.3	22	18	5	2	1	6	4	0	2	2	2	2	.
	18	5.8	92	2.6	97	1009.0	16	14	4	2	1	8					61	6	.3
29	0	6.3	92	2.9	97	1007.5	18	16	5			7					1	2	.
	6	5.2	93	2.8	96	1004.9	18	17	5	2	1	7	7	6			10	2	.
	12	7.4	87	3.0	97	1005.0	22	19	5	2	1	8	8	5			61	2	.0
	18	5.5	86	3.5	97	1007.5	27	12	4	2	0	4					1	6	.0
30	0	5.6	83	3.1	98	1010.0	18	7	3			0	0	0	0	0	2	0	.
	6	6.5	86	3.1	96	1010.0	16	11	4	2	0	8	8	7			61	2	.0
	12	5.2	97	3.1	95	1009.8	11	4	2		0	8	8	7			61	6	.6
	18	5.1	91	3.0	97	1008.5	4	13	4	2	0	8					2	2	2.9
31	0	4.3	96	3.0	96	1008.1	32	17	5			8					61	6	1.0
	6	5.3	90	3.0	98	1009.1	36	16	5	2	1	8	8	5			2	2	2.0
	12	5.2	87	3.0	97	1010.7	36	4	2		0	7	7	8			3	2	.
	18	4.8	93	3.3	97	1011.0	18	8	3	2	1	8					2	2	.

1978 APRIL FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	4.1	95	3.3	96	1010.6	9	13	4	2	1	8					61	2	.5
	6	3.7	94	3.4	96	1009.1	9	15	4	3	1	8	8	6			10	6	.7
	12	3.0	95	3.2	95	1008.5	9	17	5	3	1	8	8	6			10	2	.
	18	3.2	94	3.1	95	1007.5	9	16	5	3	1	8	8	6			10	2	.
2	0	2.1	97	3.2	91	1008.1	9	14	4	3	1	8	8	6			45	2	.
	6	2.6	97	3.2	94	1008.8	9	17	5	3	2						10	4	.
	12	4.1	92	3.2	95	1011.1	7	24	6*	4	3	8	8	5			10	2	.
	18	4.1	88	3.2	97	1014.1	7	29	7*	4	3	7	7	6			3	2	.
3	0	3.2	91	2.9	98	1017.0	7	28	7*	4	3	8					2	2	.
	6	3.2	88	2.8	97	1018.2	7	22	6*	4	3	8	8	5			2	2	.
	12	3.4	89	2.7	97	1019.8	7	19	5	3	2	8	8	5			2	2	.
	18	3.1	94	2.7	96	1019.4	7	22	6*	3	3	8	8	5			10	2	.
4	0	2.1	93	2.7	96	1020.2	7	15	4	3	2	8					10	2	.
	6	2.6	94	2.7	95	1020.0	4	15	4	2	1	8	8	6			10	2	.
	12	4.0	82	2.8	97	1020.3	2	14	4	2	1	8	8	5			2	2	.
	18	4.2	75	2.9	98	1021.1	9	9	3	2	1	0	0	0	0	0	1	2	.
5	0	2.6	81	2.9	98	1023.5	4	13	4	2	1	0	0	0	0	0	2	0	.
	6	1.6	80	2.7	98	1025.0	4	17	5	3	1	4	0	0	0	5	3	0	.
	12	4.2	69	2.8	98	1026.7	7	14	4	3	1	4	3	2	0	5	3	2	.
	18	3.5	68	3.2	98	1027.8	9	17	5	3	2	4	0	0	0	5	2	2	.
6	0	1.3	81	2.9	98	1030.0	7	10	3	2	1	0	0	0	0	0	2	2	.
	6	.7	91	2.5	98	1031.0	7	9	3		0	0	0	0	0	0	2	0	.
	12	4.5	57	3.0	98	1031.9	13	8	3		0	2	1	2	0	2	2	0	.
	18	2.0	76	3.3	98	1029.3	16	7	3		0	6					3	0	.
7	0	2.7	86	3.0	98	1026.1	25	16	5	3	1	4					3	2	.
	6	2.6	90	2.9	97	1022.0	25	19	5	3	2	7	0	0	0	1	2	2	.
	12	3.9	91	2.9	97	1018.5	25	16	5	3	2	8	8	5			3	1	.
	18	4.5	88	3.2	97	1016.2	25	5	2		0	8	8	5			2	2	.
8	0	3.5	92	3.0	97	1016.2	0	0	0	0	0	0	0	0	0	0	1	2	.
	6	4.0	91	3.0	95	1016.5	36	4	2		0	0	0	0	0	0	10	1	.
	12	5.3	86	3.0	96	1016.5	27	7	3		0	2	2	2	0	0	10	0	.
	18	6.4	80	4.3	97	1015.2	0	0	0	0	0	1	0	0	0	1	2	0	.
9	0	5.6	71	4.0	98	1015.2	16	8	3		0	0	0	0	0	0	2	0	.
	6	3.7	92	3.6	95	1013.7	20	9	3		0	2	0	0	0	1	10	0	.
	12	7.3	73	4.3	96	1012.9	25	10	3		0	2	0	0	0	1	10	0	.
	18	6.0	79	4.2	97	1009.2	16	11	4		0	3	0	0	0	1	1	0	.
10	0	4.7	84	3.9	97	1007.5	13	12	4	3	1	2					3	0	.
	6	4.0	84	3.4	97	1003.1	16	15	4	3	1	5	0	0	0	6	3	0	.
	12	6.0	79	4.0	95	1003.4	22	12	4	2	1	7	7	5			5	2	.
	18	5.5	79	3.6	97	1004.0	22	5	2		0	7	7	5			2	2	.

1978 APRIL FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	4.7	83	3.8	97	1004.4	29	3	1		0	8					2	2	.
	6	3.8	80	3.6	98	1004.4	32	8	3	2	1	7	4	5	2		1	2	.
	12	5.1	80	4.2	98	1004.9	13	9	3		0	8	8	5			2	2	.
	18	4.3	91	4.1	96	1003.5	22	13	4	3	1	3	0	0	0	5	21	8	.2
12	0	2.1	77	3.8	98	1004.7	27	15	4	3	2	6					26	0	.0
	6	2.4	86	3.7	97	1004.8	22	24	6*	4	3	6	6	2	0	0	2	2	.0
	12	3.1	86	3.7	97	1007.5	25	22	6*	4	4	6	6	2	0	0	2	2	.
	18	3.0	91	4.0	97	1008.0	25	28	7*	4	4	8	8	5			68	8	.4
13	0	2.4	87	3.8	98	1008.9	22	16	5	3	2	8					68	6	1.0
	6	2.6	94	3.7	96	1007.7	22	11	4	3	1	8	4	7	2		20	6	1.4
	12	4.2	75	3.8	96	1007.1	27	4	2	2	1	5	5	8	0	0	5	6	.0
	18	3.8	88	4.3	96	1004.9	16	8	3		0	3	0	0	0	1	10	2	.0
14	0	3.7	83	4.2	96	1004.5	4	6	2		0	8					10	0	.
	6	3.0	91	3.9	95	1003.6	7	10	3	2	1	8	8	5			10	2	.
	12	3.9	81	4.1	97	1005.1	4	12	4	2	1	8	8	6			2	2	.
	18	4.5	90	4.2	97	1007.0	36	12	4	2	1	8	8	6			2	2	.0
15	0	4.2	84	4.1	98	1008.9	36	14	4			3					1	2	.
	6	3.3	85	4.2	98	1010.5	34	19	5	2	1	6	4	5	9		3	0	.
	12	4.9	78	4.4	98	1012.0	27	19	5	2	1	5	3	2	9	2	3	2	.
	18	5.5	72	5.0	98	1012.0	27	12	4	2	0	3	2	2	4	0	2	0	.
16	0	4.2	88	4.5	98	1013.0	32	17	5			4					3	0	.
	6	4.0	88	4.3	98	1013.8	27	13	4	2	1	0	0	0	0	0	2	0	.
	12	7.4	72	4.5	97	1016.0	27	13	4	2	1	2	2	2	0	0	2	0	.
	18	7.0	78	5.1	98	1017.3	29	10	3		0	3	3	4	0	0	2	0	.
17	0	4.5	68	5.0	98	1019.0	32	8	3			0	0	0	0	0	2	0	.
	6	6.5	84	5.0	98	1020.1	27	8	3		0	0	0	0	0	0	2	0	.
	12	7.0	69	5.6	98	1020.6	29	12	4	2	0	1	1	1	0	0	3	0	.
	18	7.0	74	5.9	98	1020.2	27	8	3		0	3	3	4	0	0	3	0	.
18	0	5.5	75	5.5	98	1020.1	27	12	4			7					3	0	.
	6	5.3	79	5.4	98	1020.1	13	6	2		0	8	8	5			3	2	.
	12	7.0	80	5.5	98	1020.2	11	12	4		0	3		6	2	2	1	2	.
	18	6.3	76	5.8	98	1019.8	11	16	5	2	1	1	1	0	1	0	2	0	.
19	0	5.0	94	5.5	98	1021.0	11	17	5			0	0	0	0	0	2	0	.
	6	5.1	80	5.0	98	1021.8	10	17	5	2	1	0	0	0	0	0	2	0	.
	12	5.4	87	5.3	98	1021.9	12	21	5	2	2	3	0	0	0	2	3	0	.
	18	5.0	79	5.3	98	1019.8	9	20	5	2	2	7	7	5			2	2	.
20	0	4.6	84	5.2	97	1018.1	9	22	6*			8					2	2	.
	6	3.5	97	5.1	96	1017.0	9	16	5	2	2	8	8	7			51	6	.0
	12	4.1	90	5.2	96	1016.1	9	16	5	2	1	8	8	6			20	5	.0
	18	4.4	94	5.1	96	1014.3	9	20	5	2	2	8	8	6			10	2	.0

1978 APRIL FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	4.0	97	4.9	93	1014.9	9	18	5			8	8	6			45	4	.
	6	5.1	91	5.0	96	1014.6	9	14	4	2	1	8	8	6			10	2	.
	12	6.9	85	5.1	96	1015.8	9	18	5	2	1	2	2	2	0	0	10	2	.
	18	6.1	85	5.3	96	1017.0	9	16	5	2	1	8	8	7			50	8	.0
22	0	5.1	96	5.0	97	1019.0	9	10	3			8					3	2	.
	6	5.0	99	5.0	91	1020.0	9	11	4			8	8	6			45	6	.2
	12	7.3	83	5.2	93	1022.8	13	9	3		0	8	8	6			45	4	.
	18	5.9	89	5.6	95	1023.1	11	5	2		0	8	8	6			10	4	.
23	0	3.5	95	5.4	92	1024.2	11	5	2			8	8	6			45	4	.
	6	4.0	94	5.4	91	1024.2	13	6	2		0	8	8	6			45	4	.
	12	5.8	89	5.5	91	1023.5	27	6	2		0	8	8	6			45	4	.
	18	4.8	96	5.5	91	1019.8	29	6	2	2	0	8	8	6			45	4	.
24	0	5.6	97	5.5	91	1016.8	29	16	5			8	8	6			45	4	.
	6	4.3	94	5.2	91	1013.2	27	16	5	2	2	8	8	6			45	4	.
	12	5.8	92	5.3	97	1010.5	27	13	4	2	1	8	8	6			2	2	.
	18	5.7	94	5.3	96	1006.9	27	16	5	2	2	8	8	3			60	5	.1
25	0	4.5	87	5.0	98	1005.0	27	22	6*			1					2	0	.
	6	3.9	91	5.2	98	1006.2	32	24	6*	2	2	6	6	5	0	0	1	2	.
	12	4.6	85	5.2	98	1009.5	36	13	4	2	1	8	8	8			3	2	.
	18	4.8	81	5.2	98	1010.4	11	10	3	2	1	8	8	5			2	2	.
26	0	3.6	85	5.1	98	1011.9	11	16	5			8					2	2	.
	6	3.9	79	5.3	98	1012.3	11	16	5	2	1	8	8	6			2	2	.
	12	3.7	73	5.2	98	1013.1	11	19	5	2	2	8	8	5			2	2	.
	18	3.1	75	5.1	98	1011.4	9	26	6*	3	3	3	2	6	7	0	1	2	.
27	0	2.1	82	4.8	98	1011.5	9	30	7*			7					2	2	.
	6	3.1	74	4.5	98	1010.8	9	29	7*	3	4	7	7	5			3	2	.
	12	3.6	79	4.5	98	1011.8	9	30	7*	4	4	7	7	5			1	2	.
	18	3.0	77	4.5	98	1011.2	9	28	7*	4	4	4	4	5	0	0	1	2	.
28	0	3.2	84	4.8	98	1012.9	9	28	7*			8					3	2	.
	6	3.0	84	4.5	98	1013.8	9	28	7*	3	3	8	8	6			2	2	.
	12	4.0	81	4.5	98	1015.1	9	23	6*	4	3	8	4	6	2		2	2	.
	18	3.5	82	4.6	97	1014.7	9	26	6*	4	3	8	8	8			2	2	.
29	0	3.0	84	4.6	98	1015.0	9	25	6*	4	4	8					2	6	.0
	6	4.0	78	4.4	97	1013.1	9	25	6*	4	3	7	7	0	7		2	2	.0
	12	3.2	89	4.4	97	1013.1	9	26	6*	4	3	8	4	7	2		61	2	.2
	18	4.2	85	4.3	97	1011.2	9	30	7*	4	4	8	8	5			2	6	.7
30	0	4.2	82	4.1	98	1010.7	9	27	6*	4	4	8					21	6	.0
	6	3.5	86	4.0	97	1009.7	7	30	7*	4	4	8	8	5			61	2	1.5
	12	4.5	87	4.1	96	1010.0	9	36	8**	5	5	8	8	8			61	8	1.0
	18	4.2	82	4.0	97	1010.0	7	30	7*	4	4	8	8	5			2	6	3.5

1978 MAI FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	4.0	85	4.0	98	1010.0	7	29	7*	4	4	8					2	2	.
	6	4.6	87	3.8	97	1008.4	7	22	6*	3	2	8	8	6			2	6	.5
	12	6.7	83	4.2	97	1006.8	9	24	6*	4	3	0	0	0	0	0	2	2	.
	18	5.8	78	4.2	97	1005.9	7	27	6*	4	4	2	0	0	0	1	2	0	.
2	0	4.4	82	4.0	98	1005.0	4	21	5	3	3	0	0	0	0	0	1	0	.
	6	5.1	80	3.8	97	1005.0	4	20	5	3	3	4	0	0	0	1	3	0	.
	12	8.5	61	4.4	97	1006.5	7	19	5	3	2	5	0	0	0	6	3	0	.
	18	6.5	69	4.5	97	1009.1	9	17	5	3	2	4	0	0	0	1	2	2	.
3	0	4.3	81	4.3	98	1011.9	4	8	3	2	1	1					2	0	.
	6	4.8	77	4.1	97	1014.5	4	9	3		0	1	0	0	0	5	2	0	.
	12	7.0	65	5.0	98	1016.4	16	9	3	2	1	5	0	0	0	6	3	0	.
	18	6.8	65	4.7	98	1016.6	11	12	4	2	1	7	0	0	0	6	3	2	.
4	0	5.6	75	4.4	98	1017.2	13	14	4	3	1	0	0	0	0	0	1	2	.
	6	5.0	79	4.1	97	1017.3	11	15	4	3	1	5	0	0	0	6	1	0	.
	12	6.9	81	4.5	97	1018.0	11	14	4	2	1	7	7	5			3	2	.
	18	7.3	78	4.8	97	1016.8	9	18	5	3	2	5	4	5	0	1	2	2	.
5	0	6.9	69	4.6	98	1017.2	11	15	4	3	2	7					3	2	.
	6	6.2	82	4.5	97	1018.0	11	12	4	2	1	0	0	0	0	0	2	2	.
	12	8.7	73	5.1	97	1017.2	11	19	5	2	1	0	0	0	0	0	2	0	.
	18	9.0	68	4.9	97	1015.4	9	23	6*	3	3	6	0	0	0	6	2	0	.
6	0	7.9	73	5.0	98	1014.1	9	24	6*	3	3	4					3	2	.
	6	8.1	71	5.0	97	1012.5	7	22	6*	3	3	8	8	0	2		2	2	.
	12	9.5	75	5.3	97	1010.2	7	24	6*	3	3	5	0	0	0	9	1	2	.
	18	8.1	76	5.5	97	1009.3	7	25	6*	4	3	8	4	7	2		21	2	.1
7	0	7.6	79	5.8	98	1009.7	7	25	6*	3	3	8					2	2	.
	6	7.6	81	5.9	97	1009.1	4	23	6*	3	3	8	8	5			60	6	.8
	12	9.8	70	5.8	97	1010.9	4	26	6*	4	3	8	4	5	2		2	2	.
	18	10.1	61	5.7	97	1011.4	7	25	6*	4	3	8	8	5			2	2	.
8	0	7.8	73	5.4	97	1012.0	4	25	6*	4	4	8					2	8	.0
	6	7.8	65	5.7	98	1012.5	4	20	5	4	3	0	0	0	0	0	1	8	.0
	12	9.3	77	5.8	98	1013.8	10	15	4	3	1	0	0	0	0	0	2	0	.
	18	9.1	72	6.2	98	1015.0	11	15	4	3	1	0	0	0	0	0	2	0	.
9	0	7.0	78	6.0	98	1017.1	4	10	3	2	1	0	0	0	0	0	2	0	.
	6	8.0	72	6.2	97	1018.0	36	13	4	2	1	0	0	0	0	0	2	0	.
	12	11.4	63	7.0	98	1019.8	18	6	2		0	0	0	0	0	0	2	0	.
	18	8.8	74	7.2	98	1020.2	25	11	4		0	8	8	5			15	0	.
10	0	7.1	76	6.5	98	1023.4	11	18	5	3	2	7					2	2	.
	6	4.5	82	6.6	96	1026.2	7	15	4	3	1	8	8	5			50	2	.0
	12	4.8	85	6.5	97	1028.8	11	11	4	2	1	7	7	3			27	5	.1
	18	3.3	89	6.4	97	1030.2	22	5	2		0	7	7	3			60	6	1.2

1978 MAI FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	3.0	86	6.1	98	1031.8	0	0	0	0	0	0	0	0	0	0	1	7	.4
	6	5.0	57	5.9	98	1030.4	36	12	4	2	1	1	1	3	0	0	3	0	.4
	12	5.4	57	6.4	98	1029.0	36	15	4	3	2	5	5	2	0	0	1	0	.
	18	5.7	71	6.9	98	1026.4	16	14	4	2	1	2	1	0	3	5	2	2	.
12	0	5.2	65	6.4	98	1022.3	20	11	4	2	1	1					1	0	.
	6	4.6	66	6.4	98	1016.9	18	17	5	3	2	8	8	0	7		3	0	.
	12	7.0	59	6.6	98	1012.0	13	16	5	2	1	7	7	5			1	2	.
	18	6.3	72	6.8	98	1008.1	11	19	5	2	1	8	8	5			3	2	.
13	0	6.1	74	6.0	98	1007.5	11	19	5			4					1	2	.
	6	5.5	86	6.2	98	1007.0	9	13	4	2	1	3	3	2	0	0	3	0	.
	12	7.9	63	6.6	98	1008.7	11	12	4	2	1	7	7	5			3	2	.
	18	7.2	78	6.6	97	1010.0	11	12	4	2	1	8	8	5			2	2	.
14	0	6.2	92	6.6	97	1011.0	7	12	4			8					2	2	.
	6	7.8	87	6.7	96	1011.1	7	6	2	2	1	7	7	6			10	2	.
	12	8.9	84	7.4	96	1011.8	11	11	4	2	0	6	6	6	0	0	10	2	.
	18	7.0	93	7.5	96	1012.0	13	6	2		0	1	1	0	9	0	10	2	.
15	0	7.0	89	7.2	97	1012.8	9	16	5			7					3	2	.
	6	6.0	86	6.8	97	1012.1	9	16	5	2	1	8	8	6			2	2	.
	12	9.3	76	7.8	97	1013.8	11	12	4	2	1	8	8	6			2	2	.
	18	8.1	92	7.7	97	1013.4	13	4	2	2	0	6	6	6	0	0	2	2	.
16	0	7.3	89	7.5	97	1015.0	9	4	2		0	0	0	0	0	0	1	2	.
	6	8.4	80	7.4	97	1015.4	4	8	3		0	2	2	2	0	0	3	0	.
	12	11.0	69	9.0	97	1016.5	27	11	4	2	0	1	1	2	0	0	1	0	.
	18	10.0	80	9.5	97	1016.4	25	7	3		0	2	2	4	0	0	3	0	.
17	0	8.0	95	7.8	98	1017.1	27	11	4			1					1	2	.
	6	8.8	92	8.6	97	1018.3	32	6	2		0	3	3	0	1	0	3	0	.
	12	11.0	78	9.2	97	1019.1	27	9	3	2	0	6	4	1	4	2	3	2	.
	18	11.4	75	9.7	97	1018.8	25	8	3		0	6	4	5	2	2	3	2	.
18	0	9.8	90	9.5	97	1019.9	25	11	4			8					3	2	.
	6	9.5	90	9.2	96	1019.9	25	8	3		0	3	1	1	8	0	10	2	.
	12	14.2	83	10.5	96	1020.5	13	7	3		0	2	1	2	0	2	10	2	.
	18	11.3	80	10.0	97	1019.4	11	16	5	2	1	2	1	5	2	2	3	0	.
19	0	10.2	84	9.3	97	1019.9	9	13	4			3					1	8	.0
	6	9.5	94	9.5	97	1018.9	9	12	4	2	1	6	6	0	3	0	3	0	.0
	12	12.3	75	10.0	97	1018.0	9	21	5	2	1	8	8	6			2	2	.
	18	10.0	87	9.4	97	1017.2	9	28	7*	3	2	8	8	6			21	2	.0
20	0	9.4	85	8.4	98	1017.3	9	25	6*			7					2	8	.
	6	9.5	87	8.5	97	1016.6	9	19	5	3	2	8	8	6			2	2	.
	12	10.6	85	8.8	97	1016.2	9	19	5	3	2	8	8	6			21	2	.0
	18	11.8	80	8.8	97	1015.1	9	22	6*	3	2	2	1	0	9	2	1	2	.0

1978 MAI FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	10.0	89	8.9	97	1015.7	9	16	5			5					1	2	.
	6	10.5	88	8.4	97	1014.1	9	13	4	2	1	8	8	6			3	0	.
	12	13.5	73	8.9	97	1013.0	10	19	5	2	1	7	7	6			1	2	.
	18	11.2	92	8.9	96	1011.2	9	17	5	2	1	8	8	6			95	9	4.0
22	0	10.0	94	8.9	97	1011.0	9	14	4			4					1	2	.
	6	9.5	94	9.0	96	1007.2	4	10	3	2	1	7	7	6			10	0	.
	12	12.8	81	9.2	97	1004.3	9	14	4	2	1	6	4	6	8	2	2	2	.
	18	12.1	89	9.4	97	1002.0	7	15	4	2	1	7	4	6	3	2	3	2	.
23	0	11.0	95	9.1	96	999.5	9	20	5			8					61	2	.0
	6	11.1	95	9.0	96	999.2	7	19	5	2	1	8	8	7			60	6	1.8
	12	13.0	84	9.3	97	1000.0	9	19	5	2	1	7	7	6			1	2	.1
	18	11.3	91	9.3	97	1001.1	7	14	4	2	1	7	7	5			1	6	.8
24	0	11.5	90	9.6	98	1004.0	7	19	5			8					3	2	.
	6	11.2	91	9.5	97	1007.1	7	13	4	2	1	8	8	6			2	2	.
	12	11.0	91	9.9	97	1010.0	9	15	4	2	1	8	8	6			21	2	.1
	18	13.0	77	9.8	97	1012.7	7	14	4	2	1	8	8	7			61	2	.1
25	0	10.0	88	9.9	98	1015.0	7	16	5			8					2	2	.
	6	10.5	80	9.5	98	1017.0	9	9	3	2	0	4	2	0	1	2	2	0	.1
	12	12.5	79	10.0	98	1019.5	11	12	4	2	1	2	1	8	3	2	3	0	.
	18	12.5	86	10.4	97	1021.2	9	13	4	2	1	3	2	0	7	2	1	1	.
26	0	10.5	93	10.0	97	1024.5	4	9	3		0	1					3	0	.
	6	10.6	84	9.9	97	1025.2	7	10	3	2	1	0	0	0	0	0	1	0	.
	12	14.5	78	10.3	97	1026.9	9	10	3	2	1	4	0	0	0	1	3	0	.
	18	14.2	76	10.1	97	1025.4	9	13	4	2	1	0	0	0	0	0	2	0	.
27	0	11.0	85	10.0	98	1026.1	11	8	3		0	0	0	0	0	0	1	0	.
	6	11.9	79	10.0	97	1026.2	9	9	3		0	2	0	0	0	1	2	0	.
	12	14.8	70	11.5	97	1027.0	13	10	3		0	3	0	0	0	2	2	0	.
	18	16.9	45	11.0	98	1025.8	0	0	0	0	0	7	0	0	0	6	3	0	.
28	0	12.7	91	10.2	98	1026.0	27	9	3		0	0	0	0	0	0	1	2	.
	6	13.1	89	10.5	96	1026.2	0	0	0	0	0	3	3	2	0	0	10	0	.
	12	15.2	83	12.7	97	1027.0	32	9	3		0	5	0	0	0	6	1	0	.
	18	16.2	83	14.0	97	1026.1	27	7	3		0	0	0	0	0	0	2	2	.
29	0	13.8	94	12.7	98	1027.1	22	9	3		0	1					3	0	.
	6	14.7	88	13.4	95	1027.1	27	4	2			0	0	0	0	0	10	0	.
	12	16.2	86	14.8	97	1027.6	29	11	4		0	1	1	3	0	0	2	0	.
	18	16.6	84	15.3	98	1025.9	27	11	4		0	1	0	0	0	1	2	0	.
30	0	14.7	88	13.6	98	1026.1	32	4	2		0	0	0	0	0	0	2	0	.
	6	15.5	85	14.4	96	1026.3	0	0	0	0	0	0	0	0	0	0	10	0	.
	12	17.8	77	14.3	97	1026.9	13	6	2		0	3	1	3	0	5	2	0	.
	18	16.5	84	15.8	99	1024.4	0	0	0	0	0	2	0	0	0	1	3	0	.
31	0	15.5	83	15.0	99	1025.0	11	8	3		0	0	0	0	0	0	2	0	.
	6	15.6	89	13.7	98	1025.6	4	6	2		0	1	0	0	0	1	2	0	.
	12	19.5	64	13.5	99	1025.5	13	5	2		0	1	0	0	0	1	2	0	.
	18	18.0	75	16.5	99	1023.8	11	9	3		0	1	0	0	0	1	2	0	.

1978 JUNI FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	16.0	82	15.0	98	1024.2	11	10	3	2	1	1					2	0	.
	6	15.8	84	14.7	97	1024.5	9	10	3		0	2	0	0	0	2	2	0	.
	12	17.5	78	15.1	97	1024.1	11	11	4	2	1	1	1	2	0	0	3	0	.
	18	17.5	68	15.0	98	1022.4	11	11	4	2	1	0	0	0	0	0	2	0	.
2	0	16.6	86	15.2	98	1022.7	13	7	3		0	0	0	0	0	0	2	0	.
	6	17.8	75	14.5	97	1022.1	13	10	3		0	7	7	8			3	0	.
	12	17.6	80	16.2	97	1022.0	11	12	4	2	1	3	3	2	0	0	1	2	.
	18	18.8	82	15.8	97	1020.8	0	0	0	0	0	8	1	6	0		3	0	.
3	0	15.5	93	14.5	97	1021.3	27	6	2		0	8					61	2	.0
	6	16.8	78	13.9	97	1020.5	13	2	1		0	7	2	2	3	1	1	6	.0
	12	19.2	79	15.2	96	1020.5	9	2	1		0	0	0	0	0	0	5	2	.
	18	18.6	79	15.0	97	1018.1	9	5	2		0	2	0	0	0	1	3	0	.
4	0	16.3	89	14.5	97	1018.3	20	9	3		0	0	0	0	0	0	2	0	.
	6	16.5	90	14.5	96	1018.0	11	7	3		0	0	0	0	0	0	10	0	.
	12	19.6	73	17.1	97	1018.2	13	6	2		0	4	0	0	0	2	3	0	.
	18	18.8	79	16.5	97	1016.5	13	10	3		0	2	0	0	0	2	1	2	.
5	0	16.5	88	16.5	97	1017.2	11	11	4		0	7					3	0	.
	6	16.5	91	15.7	95	1017.2	11	9	3		0	0	0	0	0	0	10	2	.
	12	18.8	84	15.6	95	1017.2	11	10	3		0	0	0	0	0	0	10	0	.
	18	18.4	81	15.8	97	1016.2	16	11	4	2	1	4	0	0	0	5	2	0	.
6	0	16.5	90	15.4	96	1017.1	18	9	3		0	3					10	0	.
	6	16.9	93	15.5	94	1016.5	22	5	2		0	2	0	0	0	9	10	0	.
	12	21.6	77	16.5	95	1015.5	13	6	2		0	4	0	0	0	2	5	0	.
	18	20.2	86	20.3	97	1013.5	13	13	4	2	1	2	0	0	0	2	2	0	.
7	0	18.8	93	19.2	97	1012.1	13	9	3	2	1	8					3	0	.
	6	18.3	93	18.7	95	1011.2	22	9	3	2	1	7	7	0	7		10	2	.
	12	19.4	86	18.5	96	1011.0	25	9	3		0	7	7	0	7		10	2	.4
	18	17.7	75	17.7	97	1010.2	29	20	5	3	2	7	7	5			2	2	2.5
8	0	15.8	79	18.7	97	1010.8	25	14	4	3	1	5					3	2	.
	6	16.2	88	17.2	95	1008.9	22	17	5	3	2	8	4	2	2		10	2	.
	12	15.4	79	17.0	98	1010.1	27	21	5	3	3	7	7	8			21	2	2.0
	18	15.2	67	16.7	98	1011.8	27	27	6*	4	4	5	5	2	0	0	2	2	2.3
9	0	12.0	80	16.1	98	1012.0	27	26	6*	4	3	7					2	2	.
	6	14.2	60	16.3	97	1010.5	25	22	6*	4	3	5	0	0	0	6	1	2	.
	12	13.6	71	15.9	98	1010.1	32	23	6*	2	2	6	6	5	0	0	1	2	.
	18	13.5	74	16.4	98	1010.2	27	29	7*	3	3	8	8	5			3	2	.
10	0	11.6	88	15.0	98	1009.4	27	25	6*			8					2	6	.0
	6	12.4	79	13.1	98	1008.0	27	24	6*	3	2	8	8	5			21	2	.0
	12	12.1	81	13.4	98	1008.2	26	25	6*	3	2	5	3	2	6	3	21	2	3.0
	18	13.4	73	12.8	98	1009.7	29	28	7*	3	2	4	3	3	6	1	1	2	4.5

1978 JUNI FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	11.0	83	12.2	98	1011.1	28	28	7*			5					1	8	.6
	6	11.3	81	11.6	98	1012.3	28	34	8**	3	3	7	7	5			1	6	.7
	12	11.3	80	13.0	98	1015.0	29	32	7*	3	4	8	8	5			2	6	.0
	18	12.5	84	13.0	97	1014.2	28	31	7*	3	4	8	8	5			2	2	.0
12	0	11.3	81	13.0	98	1009.8	28	33	7*			8					21	2	.0
	6	9.8	74	11.7	98	1006.0	29	33	7*	4	4	6	4	2	2	3	2	2	.0
	12	12.0	71	12.2	98	1006.6	29	25	6*	3	2	7	7	5			2	2	.
	18	11.9	86	11.4	98	1008.0	32	22	6*	3	2	3	2	4	7	1	1	2	.9
13	0	12.7	76	12.3	98	1010.2	32	22	6*			1					1	0	.
	6	11.9	89	12.4	98	1011.4	32	19	5	2	1	7	1	3	6		2	2	.
	12	14.2	78	13.4	98	1012.7	32	18	5	2	1	3	2	9	9	2	1	2	.
	18	14.1	75	13.1	98	1013.1	34	14	4	2	1	6	4	4	2	2	3	2	.
14	0	12.9	89	13.0	98	1014.5	34	9	3			2					1	2	.
	6	13.8	74	14.5	98	1014.1	27	10	3	2	0	5	1	5	2		3	2	.
	12	15.0	82	13.8	98	1013.5	28	13	4	1	0	6	4	2	6	3	2	2	.0
	18	15.4	77	12.6	98	1012.1	0	0	0	0	0	5	2	3	3	3	3	6	.7
15	0	13.1	86	14.0	98	1012.9	9	6	2		0	7					2	2	.
	6	13.6	88	14.0	97	1012.8	7	10	3	2	1	2	1	2	3	0	2	0	.
	12	14.1	78	14.2	98	1012.2	13	8	3	0	0	3	2	9	9	2	2	0	.
	18	16.2	55	14.5	98	1010.0	32	4	2		0	4	2	3	6	2	3	0	.
16	0	13.1	88	13.3	98	1010.2	13	15	4			4					3	0	.
	6	13.2	64	13.6	98	1010.0	11	15	4	2	1	0	0	0	0	0	1	0	.
	12	14.9	61	14.4	98	1010.1	10	12	4	2	1	4	1	1	3	2	1	2	.
	18	14.0	76	14.4	98	1009.8	9	12	4	2	1	1	0	0	0	5	1	0	.
17	0	13.9	67	14.4	98	1011.2	9	10	3			0	0	0	0	0	2	0	.
	6	14.4	79	14.5	98	1012.1	36	11	4	2	1	0	0	0	0	0	2	0	.
	12	13.6	65	14.5	98	1014.0	9	21	5	3	2	1	1	0	8	0	3	0	.
	18	12.6	70	14.2	98	1016.0	9	21	5	3	2	0	0	0	0	0	2	0	.
18	0	11.2	76	14.0	98	1018.0	11	11	4			0	0	0	0	0	2	0	.
	6	11.5	67	13.6	98	1019.8	11	4	2		0	2	1	8	7	4	3	0	.
	12	13.6	73	14.2	98	1021.0	27	9	3	2	1	3	1	1	8	5	1	2	.
	18	15.4	70	15.0	98	1019.6	25	8	3	2	0	1	1	0	1	5	2	0	.
19	0	14.5	83	14.6	98	1019.9	32	9	3		0	0	0	0	0	0	1	0	.
	6	13.8	74	14.5	98	1019.1	27	10	3	2	1	1	1	0	1	2	2	0	.
	12	16.2	72	15.0	97	1018.0	34	6	2	2	0	0	0	0	0	0	1	0	.
	18	16.1	77	16.0	98	1016.1	22	3	1		0	4	1	2	9	0	3	0	.
20	0	15.0	75	15.0	98	1016.2	32	10	3		0	2					1	0	.
	6	12.6	84	15.1	98	1015.7	32	12	4	3	1	7	7	8			3	0	.
	12	13.5	78	15.3	97	1015.2	29	8	3	2	1	6	4	6	9	9	3	2	.
	18	15.3	80	15.4	98	1013.0	0	0	0	0	0	8	8	5			3	2	.

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Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	14.2	86	15.4	97	1012.0	27	7	3		0	6					1	2	.
	6	15.0	88	15.6	96	1010.5	22	5	2		0	2	1	6	7	9	10	0	.
	12	18.8	65	15.6	97	1010.3	11	9	3		0	2	2	2	0	1	2	0	.
	18	16.5	85	16.3	97	1008.0	11	10	3	2	1	4	3	2	3	9	3	0	.
22	0	15.3	93	16.0	98	1008.1	13	6	2		0	8					3	2	.
	6	16.0	79	16.2	96	1007.0	20	9	3	2	0	8	8	6			10	6	.0
	12	19.6	63	16.8	97	1005.2	18	18	5	2	1	6	4	8	3	2	1	2	.
	18	17.0	75	17.2	98	1003.0	27	19	5	2	1	7	5	8	1		3	2	.
23	0	15.7	84	16.5	98	1002.8	16	14	4			8					2	6	.0
	6	15.0	82	16.2	97	1000.3	18	12	4	2	1	8	8	6			3	2	.0
	12	15.7	79	16.4	97	999.1	18	10	3	3	1	7	7	8			21	2	.5
	18	14.2	89	15.8	96	994.2	18	28	7*	3	2	8	4	7	2		81	2	3.5
24	0	13.3	87	15.4	97	995.1	20	18	5	3	2	8					2	8	2.0
	6	12.3	80	15.2	97	995.1	22	21	5	4	3	2	2	2	0	0	3	2	2.3
	12	15.2	64	15.5	98	997.0	22	19	5	3	2	7	7	8			2	0	.
	18	14.6	81	15.5	98	998.8	20	19	5	3	2	7	7	3			15	8	.4
25	0	12.0	87	16.1	98	1001.5	20	15	4	3	2	0	0	0	0	0	1	6	.5
	6	11.8	89	15.9	97	1003.8	20	17	5	3	2	5	5	5	0	0	1	0	.5
	12	16.0	56	16.1	98	1005.0	22	19	5	3	1	2	2	3	0	0	3	2	.
	18	14.8	67	15.0	98	1005.2	29	18	5	3	2	7	3	3	0	6	3	0	.
26	0	12.5	79	14.8	97	1005.9	22	18	5	3	2	8					61	2	.0
	6	11.6	90	14.8	97	1002.0	20	22	6*	3	2	8	8	5			61	6	3.1
	12	12.9	90	14.5	97	1001.8	22	17	5	3	2	8	5	3	2		81	6	2.0
	18	13.6	83	14.5	98	1001.8	29	26	6*	3	2	8	8	8			2	8	2.5
27	0	13.5	84	14.8	97	1002.6	25	24	6*	3	3	8					2	8	1.0
	6	13.3	81	14.8	97	1002.8	32	19	5	3	2	7	7	3			15	6	1.7
	12	12.8	91	14.8	97	1004.4	29	24	6*	3	3	8	8	3			81	2	8.0
	18	13.5	90	14.8	97	1006.0	29	28	7*	4	3	7	4	3	2		81	8	24.0
28	0	12.8	86	14.7	98	1008.9	29	26	6*	4	4	8					2	8	3.0
	6	12.6	77	14.2	98	1010.9	32	21	5	3	2	8	8	5			2	2	2.5
	12	13.2	79	14.7	98	1012.1	27	19	5	3	2	3	2	2	0	5	1	2	.
	18	15.1	72	14.9	98	1013.1	27	11	4	2	1	7	5	5	0	5	3	0	.
29	0	13.8	79	15.0	97	1012.7	22	15	4	2	1	8					2	2	.
	6	13.2	83	15.2	96	1012.5	20	14	4	2	1	8	8	5			10	2	.
	12	14.8	82	14.6	97	1013.3	22	12	4	3	1	8	8	5			2	2	.
	18	15.8	84	15.2	97	1014.8	16	9	3	2	1	4	4	2	0	0	1	2	.
30	0	15.0	89	15.0	97	1014.9	16	12	4	2	1	8					61	2	.0
	6	15.3	88	14.7	97	1013.8	22	11	4	2	1	7	7	5			21	6	.7
	12	15.0	95	15.0	96	1014.3	18	7	3	2	1	8	4	5	2		60	2	.1
	18	15.8	91	15.0	97	1014.0	22	12	4	2	1	8	8	5			2	6	3.5

1978 JULI FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	13.5	95	14.8	97	1014.6	22	14	4	3	1	8					2	6	2.0
	6	13.5	81	14.5	97	1015.0	22	16	5	3	2	7	7	3			1	2	1.5
	12	14.8	76	14.7	96	1017.1	25	19	5	3	2	7	7	8			50	6	.0
	18	15.0	73	14.8	98	1018.0	27	14	4	3	1	4	1	3	0	1	1	5	.0
2	0	14.0	89	14.9	98	1017.9	20	12	4	2	1	8					3	2	.
	6	13.9	88	14.5	96	1016.2	20	12	4	2	1	8	8	5			10	6	.3
	12	14.6	82	14.9	97	1013.9	18	14	4	3	1	8	8	6			2	2	.
	18	14.6	94	14.9	96	1009.9	16	12	4	2	1	8	8	5			61	2	2.0
3	0	14.6	96	14.7	96	1003.0	18	15	4	2	1	8					61	6	7.0
	6	13.5	85	14.5	98	1002.0	25	24	6*	4	3	8	8	5			2	6	10.0
	12	14.8	86	14.6	97	1001.9	18	10	3	3	1	8	8	5			21	2	.3
	18	16.0	87	15.0	97	1000.0	22	14	4	3	1	8	8	8			21	2	.4
4	0	13.5	88	14.7	98	1001.7	27	15	4	3	2	7					2	6	.4
	6	13.1	78	14.5	98	1002.0	20	8	3	2	1	7	7	8			2	2	.4
	12	14.2	82	14.7	97	1002.2	18	15	4	2	1	7	7	5			2	8	.
	18	12.3	91	14.8	98	1002.8	27	8	3	2	1	4	4	8	0	0	25	2	.2
5	0	12.5	89	14.8	97	1003.5	22	13	4	3	1	0	0	0	0	0	1	2	.
	6	12.6	85	14.8	97	1003.5	22	15	4	2	1	7	7	8			2	9	.3
	12	14.3	66	15.0	97	1004.3	22	10	3		0	5	5	8	0	0	15	2	.
	18	14.3	78	15.2	97	1004.9	9	3	1		0	4	4	2	0	0	1	8	.2
6	0	11.8	91	15.0	97	1004.1	36	8	3		0	8					61	6	4.0
	6	11.6	93	15.3	97	1004.0	32	13	4	3	1	8	8	8			25	6	15.0
	12	13.5	74	15.5	98	1005.4	29	9	3	2	1	8	8	8			3	2	.
	18	12.8	90	15.4	97	1005.1	22	8	3		0	7	7	2			60	2	4.2
7	0	12.5	82	15.3	98	1005.4	29	14	4	3	1	8					25	6	3.0
	6	12.8	83	15.2	98	1005.2	25	17	5	3		7	7	8			2	2	2.5
	12	12.5	89	15.2	97	1005.5	22	21	5	3	2	8	8	5			60	2	.0
	18	13.4	82	15.2	98	1007.0	27	23	6*	3	2	7	4	8	2		21	6	2.0
8	0	12.5	78	14.8	98	1008.9	27	23	6*			8					2	2	.
	6	11.8	82	14.8	98	1008.1	25	25	6*	3	3	8	8	5			21	2	.1
	12	12.4	89	14.6	97	1008.8	25	21	5	3	3	8	8	7			60	6	.3
	18	13.8	80	14.2	97	1006.9	25	21	5	3	2	7	4	9	6	2	2	6	21.0
9	0	12.8	86	14.1	97	1005.8	25	15	4			8					61	6	.0
	6	12.2	82	14.2	98	1004.1	27	14	4	2	2	7	7	5			2	8	3.5
	12	13.4	82	14.4	98	1004.3	22	10	3	2	1	8	4	3	5		2	6	.0
	18	13.8	81	14.7	98	1005.0	27	13	4	2	0	4	2	3	6	3	1	2	.0
10	0	13.4	84	14.4	98	1006.9	34	12	4			4					1	2	.
	6	13.6	83	14.5	98	1008.0	34	14	4	2	0	7	3	2	3	2	3	2	.
	12	14.8	82	15.0	98	1010.0	27	17	5	2	2	3	2	3	3	1	1	2	.
	18	16.0	90	15.2	98	1010.0	27	17	5	2	0	7	3	3	6	2	3	0	.

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FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	14.5	85	15.1	98	1011.0	27	22	6*			1					1	0	.
	6	13.0	89	14.5	97	1010.8	27	20	5	2	1	7	4	5	2		1	2	1.0
	12	13.6	83	15.1	98	1011.5	27	19	5	2	2	4	2	6	7	3	1	2	.
	18	15.2	74	15.1	98	1012.3	29	17	5	2	1	5	2	8	3	1	1	2	.
12	0	13.5	79	14.9	98	1013.0	29	15	4			8					3	2	.
	6	12.6	86	14.5	97	1013.1	29	16	5	2	2	8	8	5			61	2	.0
	12	14.8	77	14.5	98	1015.0	27	15	4	2	1	8	8	5			2	2	.
	18	13.5	76	15.0	98	1016.3	29	15	4	2	1	8	8	6			2	2	.
13	0	12.9	80	14.9	98	1018.2	29	14	4			8					2	2	.
	6	12.0	78	14.6	98	1019.1	29	14	4	2	1	8	8	6			2	2	.
	12	13.2	72	14.9	98	1021.1	27	18	5	2	2	8	8	5			2	2	.
	18	13.5	79	14.9	98	1020.9	27	20	5	3	2	8	8	5			2	2	.
14	0	13.4	76	14.8	98	1020.0	27	23	6*			8					2	2	.0
	6	12.0	90	14.4	97	1018.8	27	23	6*	3	2	8	8	5			61	2	.0
	12	13.0	83	14.5	98	1018.8	27	21	5	3	2	8	8	5			21	2	.0
	18	13.8	79	14.5	98	1017.7	29	24	6*	3	3	5	3	3	9	2	2	2	.0
15	0	12.8	70	14.4	98	1017.1	32	27	6*			8					2	2	.
	6	12.5	85	14.0	97	1015.1	29	28	7*	3	3	7	5	3	2		60	2	.0
	12	13.5	69	14.0	98	1015.0	29	27	6*	3	3	7	4	8	5	4	3	2	.
	18	13.2	76	14.3	98	1015.2	28	26	6*	3	4	4	2	3	1	2	2	1	.
16	0	12.0	78	14.0	98	1015.0	29	26	6*			8					2	2	.
	6	11.8	85	13.7	98	1013.0	27	23	6*	3	3	8	8	5			21	2	.0
	12	14.0	90	13.5	98	1012.2	29	19	5	3	2	6	4	3	6	1	1	2	.
	18	14.1	76	13.3	98	1012.7	28	22	6*	3	2	3	2	3	6	4	1	2	.3
17	0	12.0	83	15.0	98	1014.1	29	23	6*			1					1	0	.
	6	12.2	82	13.3	98	1014.8	29	21	5	3	2	7	5	8	8		1	2	.
	12	13.5	78	13.4	98	1015.7	28	20	5	3	3	6	4	2	8	4	2	0	.
	18	14.4	69	13.5	98	1016.0	27	19	5	3	2	6	1	3	6	1	3	0	.
18	0	12.2	78	13.5	98	1016.1	29	13	4			8					3	2	.
	6	13.2	72	13.5	98	1013.9	32	9	3		0	6	1	3	2	1	1	2	.
	12	14.5	62	13.6	98	1012.4	6	32	7*		0	5	2	1	8	1	1	2	.
	18	14.3	60	15.0	98	1010.7	29	3	1		0	7	3	4	1	1	3	2	.
19	0	13.5	73	14.3	98	1008.7	0	0	0			8					2	2	.
	6	13.5	73	15.0	98	1007.9	27	10	3		0	8	8	6			2	2	.
	12	13.7	78	14.8	98	1007.0	27	13	4	2	1	5	3	3	3	6	1	2	.
	18	14.0	74	14.5	97	1006.1	29	24	6*	3	2	8	8	5			60	5	.0
20	0	13.3	84	14.5	98	1006.2	27	14	4			8					2	2	.
	6	13.0	89	14.2	96	1003.0	25	14	4	2	1	8	8	7			63	2	4.2
	12	13.7	88	14.2	96	1001.1	25	17	5	2	1	8	8	7			95	6	3.0
	18	14.1	79	14.3	98	999.9	27	24	6*	2	2	7	4	9	6		25	8	6.0

1978 JULI FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	12.5	84	14.3	98	1002.0	29	25	6*			6					1	2	.0
	6	12.8	84	14.1	98	1003.2	28	27	6*	3	4	6	3	5	6	5	1	2	.0
	12	14.4	78	14.5	98	1006.1	27	25	6*	4	4	5	4	2	0	1	2	6	.4
	18	14.5	80	14.5	98	1008.7	29	26	6*	4	4	3	3	2	0	0	2	2	.4
22	0	13.4	85	14.2	98	1012.8	29	27	6*	4	3	8					3	0	.
	6	12.7	88	14.2	98	1016.0	29	24	6*	4	3	8	8	8			2	2	.
	12	13.8	73	14.3	98	1019.3	29	16	5	3	2	8	8	8			2	2	.
	18	15.6	73	14.7	98	1019.8	25	8	3	2	1	7	4	0	3	6	2	2	.
23	0	14.4	85	14.4	97	1020.1	18	11	4		0	8					2	2	.
	6	14.0	84	14.2	96	1019.4	20	9	3	2	1	4	0	0	0	9	10	2	.
	12	16.5	82	15.0	95	1019.8	13	10	3		0	8	8	8			10	2	.
	18	16.4	82	15.2	97	1019.0	27	7	3		0	4	2	0	3	1	2	2	.
24	0	15.7	85	15.1	97	1019.0	13	14	4	2	1	2					1	2	.
	6	16.0	85	15.0	96	1017.7	16	10	3	2	1	7	7	0	7		10	0	.
	12	19.7	71	16.2	97	1016.6	13	11	4	2	1	8	0	0	0	7	3	2	.
	18	16.8	90	15.9	97	1016.5	9	9	3	2	1	7	4	5	2		25	2	3.5
25	0	16.0	96	15.5	97	1016.6	32	4	2		0	8					21	6	3.0
	6	14.5	89	15.7	97	1017.4	32	10	3	2	1	8	8	5			2	6	3.0
	12	16.5	71	15.5	97	1018.8	29	4	2	2	1	8	2	2	0	7	1	2	.
	18	17.0	75	16.5	97	1018.5	0	0	0	0	0	5	0	0	0	1	2	2	.
26	0	14.8	92	15.4	97	1018.8	16	6	2		0	1					1	2	.
	6	15.6	86	15.4	97	1017.2	13	14	4	2	1	0	0	0	0	0	1	0	.
	12	16.5	83	15.5	97	1014.8	9	22	6*	3	3	0	0	0	0	0	2	0	.
	18	17.5	81	16.2	97	1012.0	9	25	6*	3	3	7	7	5			3	0	.
27	0	16.0	88	15.7	97	1013.0	11	14	4	3	1	0	0	0	0	0	1	2	.
	6	16.8	91	15.8	96	1015.2	25	8	3		0	8	8	5			10	6	.0
	12	18.2	86	15.0	95	1019.1	25	2	1		0	7	7	5			10	2	.
	18	18.2	89	17.3	96	1020.0	16	8	3		0	6	6	5	0	0	10	2	.
28	0	16.5	97	17.3	97	1022.0	18	7	3		0	0	0	0	0	0	1	2	.
	6	16.5	95	16.5	95	1022.3	7	11	4	2	1	5	5	5	0	0	10	0	.
	12	18.5	85	17.0	96	1022.8	11	12	4	2	1	1	1	2	0	0	10	2	.
	18	19.7	84	17.6	96	1022.8	9	15	4	2	1	5	1	2	0	5	10	0	.
29	0	18.2	84	16.8	97	1024.0	13	10	3		0	4					1	2	.
	6	17.3	91	17.3	96	1024.7	11	8	3	2	1	7	7	5			10	2	.
	12	18.7	85	17.7	97	1025.1	11	11	4	2	1	7	0	0	0	6	3	2	.
	18	19.2	78	18.1	97	1023.4	11	11	4	2	1	1	0	0	0	2	2	2	.
30	0	18.3	86	18.0	97	1023.3	9	11	4	2	1	0	0	0	0	0	1	0	.
	6	17.4	80	17.2	97	1022.2	7	12	4	2	1	0	0	0	0	0	2	0	.
	12	18.7	89	18.0	95	1020.3	11	17	5	3	1	0	0	0	0	0	10	0	.
	18	20.2	84	17.9	96	1017.9	9	17	5	3	1	0	0	0	0	0	10	0	.
31	0	18.3	85	17.5	98	1018.6	9	15	4	3	1	0	0	0	0	0	2	0	.
	6	18.5	74	17.4	98	1017.5	11	18	5	3	2	0	0	0	0	0	2	0	.
	12	20.3	76	17.8	97	1017.5	9	17	5	3	2	0	0	0	0	0	2	0	.
	18	20.6	74	18.0	97	1015.0	9	24	6*	3	2	0	0	0	0	0	2	0	.

1978 AUGUST FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	17.5	86	16.5	98	1016.1	9	18	5	3	2	1					2	0	.
	6	17.8	80	15.8	97	1015.8	11	15	4	3	1	0	0	0	0	0	2	0	.
	12	18.1	85	16.2	96	1016.0	9	16	5	3	1	0	0	0	0	0	10	0	.
	18	20.1	76	16.2	96	1014.1	9	21	5	3	2	6	0	0	0	1	5	0	.
2	0	17.1	84	15.5	97	1013.0	11	18	5	3	2	8					2	2	.
	6	16.2	84	14.3	97	1011.9	11	13	4	2	1	6	4	0	3	1	1	2	.
	12	17.2	85	14.6	95	1012.2	22	10	3	2	1	8	8	5			61	2	.0
	18	17.9	84	14.4	97	1013.1	22	11	4	2	1	2	0	0	0	2	1	6	.8
3	0	16.0	92	14.3	97	1013.5	16	11	4	2	1	8					3	0	.
	6	15.5	93	13.5	96	1012.0	18	11	4		0	7	5	0	3	5	10	2	.
	12	18.5	78	13.7	97	1012.1	11	6	2		0	7	4	2	3	5	3	2	.
	18	15.9	85	12.9	97	1010.8	2	4	2		0	8	2	2	7		21	2	1.0
4	0	15.4	91	12.5	97	1011.2	22	11	4	3	1	1					1	2	.
	6	15.5	90	14.2	96	1011.0	22	17	5	3	2	8	8	5			10	0	.
	12	18.3	86	16.3	97	1012.1	22	12	4	2	1	7	7	6			21	2	.0
	18	16.5	90	16.4	97	1012.6	25	17	5	2	1	7	7	5			1	6	2.8
5	0	15.8	92	15.8	97	1013.4	25	16	5			8					2	2	.
	6	15.3	92	15.0	97	1012.8	25	22	6*	2	2	8	8	6			2	2	.
	12	18.6	91	15.5	97	1013.1	25	12	4	2	1	8	8	6			2	2	.
	18	16.3	91	15.7	97	1012.7	25	16	5	2	1	7	7	5			1	6	1.0
6	0	16.1	90	18.6	98	1013.0	25	12	4			8					3	2	.
	6	15.3	92	16.2	97	1011.4	25	13	4	2	1	6	6	5	0	0	1	2	.
	12	17.2	90	15.5	97	1011.0	27	9	3	2	1	4	2	2	7	1	1	2	.
	18	17.2	85	17.1	97	1009.8	22	6	2	2	0	7	7	5			2	2	.
7	0	16.5	86	17.1	97	1007.9	13	8	3			8					3	2	.
	6	15.5	96	17.0	96	1005.9	22	8	3		0	8	8	7			61	6	2.5
	12	19.0	82	17.1	97	1005.0	26	5	2		0	4	4	6	0	0	1	6	.
	18	18.0	82	17.6	97	1004.2	11	8	3		0	6	4	6	7	2	3	2	.6
8	0	16.9	81	17.0	97	1003.7	36	8	3		0	0	0	0	0	0	1	2	.
	6	15.5	95	16.6	93	1002.9	2	10	3	2	0	7	7	6			46	0	.
	12	17.2	80	17.1	97	1002.6	2	14	4	2	1	8	8	6			2	2	.
	18	17.0	90	16.2	97	1002.8	32	18	5	2	1	8	8	6			2	2	.
9	0	16.4	86	15.6	98	1004.2	36	12	4			8					2	2	.
	6	16.0	79	15.7	98	1006.2	36	12	4	2	1	6	2	5	3	5	1	2	.
	12	17.2	79	16.2	98	1007.9	32	13	4	2	1	7	3	1	6	1	3	2	.
	18	16.0	88	16.5	98	1009.8	34	14	4	2	1	6	2	2	6	1	3	2	.
10	0	15.6	87	15.5	98	1012.2	32	11	4			0	0	0	0	0	1	2	.
	6	15.3	92	14.5	98	1013.0	32	10	3		0	0	0	0	0	0	2	0	.
	12	17.0	78	15.5	98	1014.5	34	16	5	2	1	3	2	8	7	2	3	0	.
	18	16.2	79	16.2	98	1014.7	32	20	5	3	2	7	7	5			3	0	.

1978 AUGUST FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	15.0	82	15.7	98	1016.0	32	18	5			7					1	2	.
	6	14.6	88	15.5	98	1015.6	29	17	5	2	2	8	8	5			2	2	.
	12	16.8	81	15.7	97	1016.3	27	14	4	2	1	7	7	5			2	2	.
	18	16.5	86	16.1	98	1015.4	29	23	6*	2	2	6	4	3	6	2	1	2	.
12	0	15.5	86	15.6	98	1016.5	32	21	5			8					2	2	.
	6	15.1	78	16.2	98	1016.1	32	17	5	2	2	7	7	5			3	2	.
	12	15.5	77	16.4	98	1017.5	29	17	5	2	1	2	2	8	0	1	1	0	.
	18	16.5	78	16.9	98	1016.8	27	22	6*	2	1	3	1	1	6	1	3	0	.
13	0	15.5	84	16.8	98	1016.3	29	18	5			8					3	2	.
	6	15.0	76	17.1	98	1016.3	32	14	4	2	1	7	7	5			2	2	.
	12	16.2	74	17.2	98	1016.8	27	12	4	2	1	4	3	2		0	3	2	.
	18	18.0	72	18.0	98	1016.8	29	14	4	2	0	1	1	5	0	0	2	0	.
14	0	15.1	79	17.2	97	1015.9	29	15	4			7					1	2	.
	6	15.2	90	17.5	97	1014.6	22	11	4	2	1	8	8	6			2	6	.0
	12	16.2	88	17.4	97	1013.7	22	19	5	3	2	6	6	6	0	0	1	6	.0
	18	16.5	86	17.2	97	1013.0	29	19	5	3	2	8	8	6			2	6	.1
15	0	16.0	85	17.0	97	1013.0	22	14	4			8					2	2	.
	6	16.7	83	17.0	97	1012.0	18	16	5	2	1	7	4	6	5	1	1	2	.
	12	19.2	81	17.5	97	1010.8	13	12	4	2	1	3	2	6	1	9	1	0	.
	18	19.5	82	17.5	97	1008.1	13	16	5	2	1	2	1	5	7	1	1	0	.
16	0	18.5	78	17.6	98	1007.8	27	22	6*			7					2	2	.
	6	16.5	86	17.4	98	1011.0	25	17	5	3	2	7	7	5			3	0	.
	12	19.0	80	17.7	98	1012.3	22	16	5	3	2	8	8	5			3	2	.
	18	15.5	93	17.7	98	1013.8	27	18	5	2	1	7	6	9	9		95	8	1.0
17	0	15.7	86	17.5	98	1015.6	25	12	4			2					3	0	.
	6	15.1	89	17.2	98	1015.8	22	14	4	2	1	2	1	2	7	1	2	0	.
	12	18.0	77	17.5	98	1015.7	27	22	6*	2	2	7	5	9	6		2	0	.
	18	15.4	78	17.3	98	1016.5	27	21	5	3	2	8	6	4	7		25	2	1.0
18	0	14.6	79	16.8	98	1018.5	32	14	4			4					1	2	4.0
	6	14.4	84	17.1	98	1019.9	25	13	4	2	1	5	4	2	9		3	1	3.7
	12	16.5	81	17.1	98	1021.3	27	11	4	3	1	2	2	2	0	0	1	2	.
	18	17.9	69	17.4	98	1022.9	27	11	4	2	1	0	0	0	0	0	1	0	.
19	0	16.5	86	17.3	98	1023.9	32	18	5	3	2	0	0	0	0	0	2	0	.
	6	15.5	95	17.5	97	1024.9	34	12	4	3	1	0	0	0	0	0	1	0	.
	12	17.3	82	17.4	97	1025.2	29	11	4	2	1	2	2	2	0	0	1	0	.
	18	18.6	78	17.7	98	1023.2	32	5	2		0	2	0	0	0	1	2	0	.
20	0	16.1	89	17.4	98	1023.0	0	0	0	0	0	0	0	0	0	0	1	0	.
	6	17.3	83	17.2	97	1022.4	9	4	2	0	0	0	0	0	0	0	2	0	.
	12	20.2	70	17.9	97	1022.3	13	12	4	2	1	1	1	2	0	0	3	0	.
	18	18.2	89	18.3	98	1021.2	11	13	4	3	1	0	0	0	0	0	2	0	.

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Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	17.7	84	17.6	98	1020.8	16	19	5	3	2	4					3	0	.
	6	16.5	90	17.5	98	1020.5	13	13	4	3	1	0	0	0	0	0	1	2	.
	12	18.2	92	17.8	97	1020.2	11	14	4	3	1	0	0	0	0	0	2	0	.
	18	19.0	86	17.8	97	1019.4	11	12	4	3	1	7	0	0	0	6	3	0	.
22	0	18.4	94	17.8	97	1019.1	27	10	3		0	3					3	2	.
	6	18.0	92	17.5	96	1019.1	22	11	4	2		7	7	2			10	0	.
	12	19.5	85	18.1	96	1017.8	25	9	3	2	1	4	0	0	0	6	10	2	.
	18	19.8	88	18.2	97	1016.2	22	14	4	3	1	0	0	0	0	0	1	2	.
23	0	17.7	93	18.0	97	1016.0	32	17	5	3	2	8					61	0	.3
	6	16.4	86	17.8	98	1017.6	34	17	5	3	2	4	2	2	0	1	1	6	1.8
	12	17.3	85	18.0	98	1020.2	29	14	4	3	2	5	4	2	0	5	2	2	.
	18	16.9	90	17.7	98	1021.2	32	22	6*	3	2	1	1	2	0	0	1	2	.
24	0	15.3	84	17.1	98	1023.1	34	21	5			1					2	0	.
	6	15.8	82	17.8	98	1023.3	32	21	5	3	2	8	8	5			3	0	.
	12	15.8	85	17.3	99	1024.2	29	17	5	3	2	5	5	8	0	0	1	2	.
	18	16.7	88	17.0	98	1021.8	27	24	6*	4	3	8	8	5			3	2	.
25	0	15.7	86	17.0	98	1019.9	29	25	6*	4	3	8					2	2	.
	6	14.2	99	16.6	96	1017.7	29	29	7*	4	4	8	8	8			81	6	3.7
	12	15.1	89	16.4	98	1016.6	29	26	6*	4	3	7	7	8			3	8	3.0
	18	15.5	69	16.7	98	1014.9	29	30	7*	4	4	7	5	8	0	5	2	2	3.0
26	0	12.2	81	14.7	98	1014.0	32	27	6*	4	4	4					2	8	1.0
	6	12.7	82	14.1	98	1014.1	32	23	6*	4	4	1	1	2	0	0	2	2	1.0
	12	15.3	71	16.2	98	1015.2	29	21	5	3	3	3	2	2	0	5	3	0	.
	18	14.0	70	17.0	98	1013.4	32	34	8**	4	4	7	7	8			3	0	.
27	0	13.2	78	15.1	98	1010.8	29	29	7*	5	5	3					1	6	.0
	6	11.8	79	15.0	98	1006.9	32	33	7*	4	5	4	4	2	0	0	2	0	.0
	12	12.6	67	15.2	98	1007.5	32	25	6*	4	3	7	7	3			25	2	.2
	18	13.4	68	15.3	98	1009.2	34	23	6*	3	3	7	7	8			15	8	4.0
28	0	13.2	76	15.1	98	1011.4	32	25	6*	4	3	0	0	0	0	0	1	2	.
	6	12.3	72	15.0	98	1012.3	32	27	6*	3	3	4	4	2	0	0	3	0	.
	12	13.4	64	15.7	98	1013.0	32	26	6*	4	4	7	7	8			3	2	.
	18	14.0	65	15.8	98	1014.5	32	27	6*	4	4	5	5	8	0	0	25	2	.
29	0	12.7	95	15.4	96	1015.5	27	22	6*	3	3	8					61	2	.0
	6	14.6	89	15.5	97	1013.2	27	25	6*	3	3	8	8	5			21	6	2.8
	12	14.9	93	15.4	97	1012.0	25	23	6*	3	3	8	4	8	2		61	6	.0
	18	14.7	88	15.5	97	1009.2	27	25	6*	4	3	8	8	8			61	6	2.0
30	0	12.0	79	15.2	98	1008.9	32	24	6*	3	3	6					1	6	.0
	6	12.3	78	15.1	98	1006.2	32	23	6*	3	3	7	7	8			3	2	.0
	12	14.2	63	15.3	98	1006.9	34	9	3	2	1	5	4	2	0	2	3	2	.
	18	14.2	62	15.7	98	1007.2	29	6	2		0	7	6	8	0	5	15	8	.1
31	0	13.7	77	15.8	98	1007.9	32	12	4	3	1	1					1	2	.
	6	12.6	74	15.2	98	1007.2	32	16	5	3	1	6	6	8	0	0	15	0	.
	12	14.1	69	15.3	98	1007.7	32	6	2	2	1	5	5	9	0	0	21	9	.2
	18	14.3	70	15.9	98	1006.4	34	21	5	3	1	2	2	2	0	0	2	2	.2

1978 SEPTEMBER FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	13.8	71	15.7	98	1006.5	34	15	4	3	1	3					13	0	.
	6	12.6	83	15.4	97	1004.5	32	15	4	3	1	2	2	3	0	0	1	0	.
	12	14.3	73	15.6	98	1002.8	29	22	6*	3	2	3	2	2	9	0	1	1	.
	18	12.4	84	14.8	97	1001.1	29	28	7*	3	3	8					61	6	.8
2	0	13.7	77	15.0	98	1001.6	32	28	7*			8					2	2	.0
	6	12.5	89	14.3	98	1001.5	32	25	6*	3	3	6	4	2	9		1	2	.0
	12	14.7	76	14.4	98	1001.9	29	21	5	3	2	4	3	2	9		2	1	.
	18	13.8	79	14.7	98	1002.3	28	29	7*	3	3	6	6	4	0	0	3	6	.0
3	0	12.0	78	14.6	98	1003.2	32	28	7*			2					2	0	.
	6	12.4	91	14.6	98	1002.5	27	27	6*	3	3	6	6	5	0	0	2	2	.
	12	14.8	72	14.7	98	1003.3	29	27	6*	3	4	2	2	2	0	0	1	2	.
	18	14.0	70	14.6	98	1002.9	29	35	8**	5	5	6	6	5	0	0	1	2	.0
4	0	12.0	83	14.3	98	1002.0	29	33	7*			8					2	2	.
	6	12.9	80	14.4	98	999.2	29	34	8**	5	5	8	8	6			2	2	.
	12	14.0	84	14.2	97	1000.0	29	29	7*	5	5	8	8	7			60	6	1.0
	18	14.0	86	14.4	97	1001.5	27	27	6*	3	3	8	7	5			2	2	1.2
5	0	13.0	91	14.2	98	1001.9	29	23	6*			8					2	2	.
	6	13.0	89	14.4	97	1002.2	32	14	4	2	2	8	8	7			61	2	.0
	12	13.3	82	14.2	98	1005.5	4	5	2	2	0	3	3	2	0	0	1	2	.0
	18	14.5	67	14.5	98	1006.5	34	11	4	2	0	1					1	0	.0
6	0	13.7	82	14.1	98	1007.8	34	13	4			0	0	0	0	0	2	0	.
	6	12.8	88	13.8	98	1007.8	36	10	3	2	1	2	0	0	0	1	3	0	.0
	12	15.1	74	14.2	98	1008.8	32	8	3	2	0	2	0	0	0	1	2	0	.
	18	14.6	79	15.0	98	1008.6	29	7	3		0	6	6	0	2	0	3	2	.
7	0	14.0	91	14.3	97	1008.8	4	6	2		0	0	0	0	0	0	1	0	.
	6	12.5	89	13.7	97	1008.8	7	9	3	2	0	4	1	6	3	1	3	0	.
	12	14.5	88	13.8	96	1009.8	11	4	2		0	8	8	6			10	4	.
	18	14.0	84	14.9	97	1010.9	2	7	3		0	6	2	6	2		2	2	.
8	0	13.4	88	14.4	97	1012.1	16	6	2		0	6					2	2	.
	6	11.6	97	13.5	91	1012.8	11	8	3		0	8	8	6			47	2	.
	12	14.6	84	14.0	97	1016.1	11	8	3		0	1	0	0	0	5	3	4	.
	18	14.5	85	14.0	97	1016.4	11	16	5	2	1	4	2	6	2	0	3	0	.
9	0	14.2	90	15.0	97	1015.9	11	10	3		0	7					1	2	.
	6	14.5	90	14.7	95	1013.1	16	17	5			8	8	6			10	2	.
	12	14.5	97	14.7	95	1009.0	20	18	5	2	2	8	8	7			61	2	3.0
	18	15.1	89	14.8	97	1009.5	25	23	6*	3	3	8	3	6	2	9	3	2	5.0
10	0	15.0	89	14.3	98	1009.6	25	28	7*			8					2	2	.
	6	14.2	97	14.0	96	1006.8	25	17	5	2	2	8	8	7			51	2	2.9
	12	15.2	96	13.8	97	1001.9	22	21	5	3	2	8	8	7			59	6	10.0
	18	15.7	85	14.1	97	1001.1	27	26	6*	3	4	5	2	6	7	9	1	2	13.0

1978 SEPTEMBER FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	15.0	90	14.2	98	1001.9	27	22	6*			8					2	2	.
	6	14.6	89	14.3	98	999.4	27	15	4	2	2	8	8	5			2	2	.1
	12	16.6	89	14.5	97	992.5	25	35	8**	3	3	8	8	5			2	6	2.0
	18	14.0	82	14.3	98	992.6	27	31	7*	4	4	8	4	6	1		21	2	3.5
12	0	12.6	82	14.0	98	994.1	32	32	7*			8					2	6	.2
	6	13.3	83	14.6	96	1000.1	29	28	7*	3	3	8	8	6			63	2	.3
	12	14.3	72	14.3	98	1006.9	29	28	7*	4	4	2	1	6	9	3	1	0	.
	18	13.2	82	14.2	97	1013.0	32	33	7*	4	4	6	3	5	2		3	2	.
13	0	12.0	74	14.1	97	1015.0	32	28	7*			4					2	2	.2
	6	12.7	74	14.0	98	1018.0	29	20	5	3	2	8	2	3	2		3	0	.2
	12	13.0	87	14.0	96	1017.6	25	16	5	2	2	8	8	7			51	2	.0
	18	14.3	98	14.0	95	1015.0	25	17	5	2	1	8	8	7			51	5	.5
14	0	14.9	95	14.0	97	1015.0	25	19	5			8					2	2	.2
	6	15.2	94	14.0	95	1010.0	22	21	5	2	2	8	8	6			10	2	.3
	12	14.9	90	14.1	96	1008.2	22	25	6*	2	2	8	8	7			61	2	.3
	18	13.5	88	14.0	98	1008.9	27	23	6*	3	3	3	2	5	7	0	1	2	.9
15	0	13.0	91	13.6	98	1011.0	27	23	6*			1					3	0	.
	6	12.1	96	13.8	98	1010.8	26	20	5	2	2	7	7	6			3	2	.
	12	14.3	81	14.0	97	1005.0	22	31	7*	4	4	8	8	5			2	2	.
	18	13.5	95	13.8	97	1000.9	27	41	9**	5	6	7	7	5			81	2	2.0
16	0	13.1	73	13.8	98	1010.1	29	32	7*	5	6	4					1	8	1.0
	6	12.8	77	13.8	98	1015.5	29	24	6*	4	4	5	4	8	0	1	1	2	.8
	12	14.5	76	13.9	98	1018.9	27	17	5	3	2	8	2	2	2		2	2	.
	18	15.0	85	13.8	97	1016.8	22	14	4	3	1	8	8	5			2	6	1.3
17	0	14.7	90	13.6	97	1012.6	22	21	5	3	2	2					1	2	.
	6	14.3	92	13.7	97	1009.1	27	23	6*	3	2	8	8	5			15	6	1.2
	12	14.9	71	13.7	97	1012.2	27	27	6*	4	4	7	7	8			25	2	.0
	18	13.7	63	13.8	98	1013.9	29	32	7*	5	6	3	3	2	0	0	1	8	.0
18	0	11.7	77	13.8	98	1015.9	29	28	7*	4	5	3					2	0	.
	6	12.6	70	13.7	97	1014.7	27	32	7*	5	5	5	5	2	0	0	15	6	.0
	12	14.2	68	13.5	98	1015.7	29	29	7*	4	4	8	4	2	1		15	8	.0
	18	12.5	76	13.7	97	1013.9	29	29	7*	5	4	5	5	2	0	0	1	8	1.5
19	0	12.2	85	13.3	98	1011.0	27	29	7*	4	4	6					3	8	.0
	6	10.5	77	13.4	98	1009.7	32	28	7*	4	4	4	4	8	0	0	1	2	.0
	12	11.6	69	13.4	98	1011.9	32	21	5	4	4	3	3	2	0	0	1	2	.
	18	12.1	69	13.5	98	1013.2	32	22	6*	3	2	4	4	3	0	0	15	0	.
20	0	10.4	78	13.2	98	1017.9	32	19	5	3	2	0	0	0	0	0	1	0	.
	6	10.0	79	13.0	98	1020.0	32	19	5	3	2	5	3	2	0	6	3	0	.
	12	12.1	65	13.2	98	1021.2	32	22	6*	3	3	7	5	8	0	5	2	2	.
	18	11.2	73	13.2	98	1020.8	29	22	6*	4	3	8	5	8	2		2	2	.

1978 SEPTEMBER FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	12.7	90	13.2	97	1017.0	25	19	5	3	2	8					21	6	3.0
	6	12.5	87	13.2	98	1016.0	29	21	5	3	3	8	8	5			2	2	4.5
	12	14.2	76	13.2	98	1017.0	29	28	7*	4	4	6	5	4	0	2	1	2	.0
	18	12.3	69	13.2	98	1019.1	32	26	6*	4	5	7	1	2	0	1	3	2	.0
22	0	11.8	80	13.4	98	1021.9	32	21	5	4	4	7					21	2	.0
	6	12.4	97	13.1	96	1018.5	25	12	4	3	1	8	8	5			61	2	3.0
	12	13.6	91	13.1	97	1014.2	27	16	5	3	2	8	8	5			21	6	3.0
	18	14.0	92	13.1	97	1010.6	27	13	4	3	1	8	8	5			2	2	3.1
23	0	13.4	97	13.0	97	1007.9	25	17	5	3	2	8					21	6	4.0
	6	12.8	91	13.1	96	1010.9	29	16	5	3	2	8	8	5			51	2	4.1
	12	13.0	89	13.1	97	1015.9	7	10	3	3	1	8	8	6			2	5	.1
	18	11.6	91	13.1	97	1017.8	0	0	0	0	0	8	8	5			2	5	.2
24	0	11.7	95	13.0	97	1017.1	18	11	4		0	8					2	5	.0
	6	13.1	95	12.8	95	1012.4	20	16	5	3	2	8	8	6			21	6	1.0
	12	14.4	96	12.8	94	1011.1	25	16	5	3	2	8	8	5			61	2	.1
	18	14.0	95	12.9	96	1010.4	27	22	6*	3	3	7	5	5	3		21	6	3.0
25	0	13.6	99	13.0	96	1010.7	25	17	5	3	2	8					62	1	2.0
	6	13.6	98	12.7	95	1009.0	25	7	3	2	1	8	8	5			61	6	7.0
	12	13.5	91	12.7	98	1012.0	27	17	5	3	2	7	5	8	0	5	1	6	3.0
	18	13.3	92	12.4	98	1014.2	27	20	5	3	2	7	7	8			21	2	3.3
26	0	12.4	90	12.6	98	1017.6	27	22	6*	4	3	3					1	2	.
	6	12.1	88	12.5	98	1018.2	25	21	5	3	3	4	3	2	0	5	3	0	.
	12	14.8	86	12.6	98	1017.6	25	15	4	3	2	6	2	2	0	2	3	0	.
	18	12.8	92	12.7	97	1014.1	22	15	4	3	1	8	4	5	2		61	2	.0
27	0	12.0	83	12.7	98	1012.0	25	23	6*	4	3	6					1	6	2.0
	6	11.0	87	12.6	97	1010.5	25	21	5	4	3	5	2	2	9	1	3	2	1.5
	12	12.7	82	12.6	98	1010.0	25	14	4	3	2	6	3	3	3	5	3	2	.
	18	11.9	88	12.5	98	1008.0	25	13	4	3	1	7					2	2	.
28	0	11.3	80	12.5	98	1007.8	27	11	4	3	1	4					1	6	.3
	6	9.8	98	12.4	97	1008.0	29	10	3	3	1	6	6	3	0	0	80	2	.5
	12	13.1	78	12.4	98	1009.3	27	11	4	3	1	4	4	3	0	0	2	2	.0
	18	11.4	81	12.4	98	1009.5	27	8	3	2	1	4					2	2	.0
29	0	10.6	92	12.2	98	1008.9	18	8	3	2	1	1					1	2	.
	6	10.4	83	12.0	98	1006.1	11	10	3	2	1	3	3	2	0	0	2	0	.
	12	10.4	89	12.2	97	1004.3	16	15	4	2	1	8	8	6			2	2	.
	18	9.0	88	12.3	97	1002.0	16	22	6*			8					61	6	.6
30	0	9.3	91	12.2	97	1000.2	11	26	6*			8					61	6	2.0
	6	10.0	88	12.1	97	999.9	13	21	5	2	1	8	8	6			21	6	4.0
	12	12.4	93	12.1	97	1001.8	22	9	3	2	1	8	8	8			2	6	11.0
	18	11.0	94	11.6	97	1004.8	11	16	5	2	0	8					2	6	12.0

1978 OKTOBER FEUERSCHIFF. " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	10.2	88	11.6	98	1007.8	9	12	4			2					1	2	.
	6	9.5	94	11.3	97	1011.5	9	21	5	3	2	8	8	8			21	0	.2
	12	11.0	87	12.0	97	1016.0	7	23	6*		2	8	8	7			61	2	.0
	18	10.0	79	11.6	98	1020.2	9	20	5			8					2	2	.0
2	0	8.2	85	11.5	98	1022.2	7	15	4			1					1	0	.
	6	8.5	84	11.4	98	1022.5	7	10	3	2	0	3	1	5	7	9	3	0	.
	12	12.8	79	11.5	98	1024.5	22	6	2		0	4	1	3	6	2	2	1	.
	18	10.6	70	11.3	98	1023.9	16	8	3		0	7					3	2	.
3	0	9.5	83	11.1	97	1023.0	16	15	4			8					3	0	.
	6	9.3	88	11.6	97	1021.1	20	12	4	2	1	8	8	6			2	2	.
	12	9.5	82	12.0	97	1020.8	13	7	3		0	8	8	6			2	2	.
	18	10.1	85	12.2	97	1018.8	22	8	3		0	8					2	2	.
4	0	8.0	87	11.4	97	1018.0	22	10	3			8					2	2	.
	6	8.9	89	11.2	96	1015.9	25	10	3	2	1	8	8	6			10	2	.
	12	10.1	93	11.4	96	1015.6	29	7	3	2	1	8	8	6			10	2	.
	18	11.5	89	10.8	98	1013.9	29	12	4			4					2	6	.0
5	0	10.1	87	10.9	98	1015.1	32	21	5			0	0	0	0	0	1	0	.
	6	10.3	89	11.0	98	1015.4	29	19	5	3	2	7	7	6			3	0	.
	12	10.8	91	11.2	97	1013.0	22	23	6*	3	2	8	8	8			61	2	.0
	18	12.8	95	11.0	96	1006.0	25	30	7*			8					63	6	4.0
6	0	12.6	97	11.6	95	1005.8	27	29	7*			8					53	6	.0
	6	13.0	95	11.6	97	1008.2	27	27	6*	4	4	8	8	6			2	5	.3
	12	13.5	93	12.2	97	1013.0	27	23	6*	3	3	8	8	6			2	2	.0
	18	13.3	91	12.0	97	1017.7	27	19	5			8					3	2	.0
7	0	13.1	93	12.1	97	1020.6	27	21	5			0	0	0	0	0	1	2	.
	6	12.3	92	12.0	97	1022.6	27	17	5	3	2	7	7	6			1	2	.
	12	12.8	91	11.9	97	1023.9	27	20	5	3	2	8	8	6			2	2	.
	18	12.8	89	11.8	97	1023.4	27	8	3			8					3	2	.
8	0	12.3	96	11.8	97	1022.3	18	8	3			8					2	2	.
	6	12.1	96	12.0	96	1019.9	16	12	4	2	1	7	7	6			10	2	.
	12	11.0	94	12.1	93	1019.8	18	12	4	2	0	8	8	6			45	2	.
	18	11.2	97	12.0	93	1018.5	18	8	3		0	6	6	6	0	0	44	4	.
9	0	10.0	98	10.5	91	1018.1	18	10	3			0	0	0	0	0	46	4	.
	6	10.4	98	11.6	95	1017.6	18	9	3	2	1	5	3	6	6	4	10	4	.
	12	14.5	85	12.1	96	1017.0	18	14	4		0	6	6	6	0	0	10	2	.
	18	13.9	87	12.0	96	1017.4	22	10	3			8					51	2	.0
10	0	13.0	95	12.0	95	1019.0	22	9	3			8					10	2	.4
	6	12.5	96	11.4	93	1020.0	22	9	3			0	0	0	0	0	46	0	.4
	12	12.6	93	11.6	93	1023.0	11	10	3		0	8	8	6			45	4	.
	18	12.0	94	11.5	93	1024.0	9	10	3			2	2	6	0	0	44	4	.

1978 OKTOBER FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	10.6	99	11.2	91	1026.2	9	14	4			8	8	6			45	4	.
	6	11.0	97	11.6	92	1027.0	11	15	4	2	1	8	8	6			45	4	.
	12	12.8	95	12.0	95	1028.1	11	11	4	2	1	2	1	6	5	0	10	4	.
	18	12.8	93	12.0	95	1028.6	11	13	4			0	0	0	0	0	10	0	.
12	0	13.0	96	11.9	95	1029.0	13	10	3			0	0	0	0	0	10	0	.
	6	12.5	98	12.3	93	1029.6	13	9	3		0	1	1	6	0	0	44	0	.
	12	13.6	91	11.8	95	1030.2	13	12	4	2	0	2	2	6	0	0	10	0	.
	18	13.5	91	12.0	96	1030.0	13	12	4		0	0	0	0	0	0	10	0	.
13	0	14.0	90	11.7	95	1029.8	13	8	3			0	0	0	0	0	10	0	.
	6	12.1	94	11.7	96	1028.0	13	14	4	2	0	1					10	0	.
	12	12.7	90	11.3	95	1027.1	11	13	4	3	1	4	0	0	0	1	10	0	.
	18	12.6	92	11.2	95	1023.2	11	14	4	2	1	1					10	0	.
14	0	12.2	86	11.3	96	1022.5	11	6	2		0	1					10	0	.
	6	11.3	95	11.3	95	1019.2	13	11	4	2	1	0	0	0	0	0	10	0	.
	12	12.8	93	11.6	95	1018.2	13	4	2		0	0	0	0	0	0	10	0	.
	18	11.5	97	11.5	92	1018.6	27	17	5	3	1	8	8	6			45	4	.
15	0	11.9	89	11.6	96	1019.3	29	16	5	3	1	8					10	4	.
	6	11.6	89	11.5	97	1019.9	29	11	4	2	1	8	8	5			2	2	.
	12	12.0	94	11.2	95	1020.6	27	3	1		0	8	8	6			10	2	.
	18	11.6	95	11.2	95	1019.3	18	10	3		0	8					10	2	.
16	0	11.1	95	11.3	95	1016.2	18	14	4	3	1	8					10	2	.
	6	11.2	97	11.2	95	1011.9	18	20	5	3	1	8	8	6			21	2	9.5
	12	12.1	86	11.2	98	1010.5	25	24	6*	3	3	8	8	5			21	2	.0
	18	10.3	89	11.2	98	1008.1	25	23	6*	4	3	8					25	2	.2
17	0	10.2	80	11.2	98	1004.1	25	27	6*	4	3	7					2	6	.3
	6	8.5	91	11.0	98	1002.0	25	22	6*	4	3	7	7	8			2	2	.3
	12	9.1	81	11.3	98	1003.9	25	13	4	3	2	7	7	2			2	2	.
	18	8.9	85	11.3	98	1006.4	32	4	2		0	1	1	9	0	0	15	2	.
18	0	8.9	82	10.8	98	1011.0	29	8	3	2	1	1					2	0	.
	6	9.2	82	11.0	98	1015.0	36	7	3		0	1	1	6	0	0	2	0	.
	12	9.6	89	10.7	98	1018.3	27	15	4	3	1	1	1	2	0	0	2	0	.
	18	10.7	84	11.5	98	1019.6	29	14	4	3	1	6					3	0	.
19	0	10.0	88	11.2	98	1020.7	25	19	5	3	2	7					21	2	.0
	6	10.7	93	11.3	97	1020.5	25	19	5	3	3	8	8	5			61	6	.0
	12	11.2	90	11.2	97	1022.0	27	18	5	3	2	5	4	8	0	1	3	2	.
	18	11.2	92	11.2	98	1021.6	27	16	5	3	2	8					3	2	.
20	0	10.5	94	11.2	98	1021.0	25	16	5	3	2	8					2	2	.0
	6	9.7	95	11.1	97	1016.2	25	25	6*	3	3	8	8	5			2	2	.0
	12	10.6	91	11.3	96	1012.8	25	26	6*	4	4	8	8	6			60	6	.5
	18	10.4	76	11.4	98	1008.9	29	31	7*	4	4	3					21	6	1.2

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Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	8.9	80	11.3	98	1010.2	32	38	8**	5	5	2					2	0	.
	6	5.8	77	11.2	98	1013.3	32	28	7*	4	4	2	2	8	0	0	1	0	.
	12	7.2	73	11.2	98	1015.1	32	29	7*	4	4	3	3	2	0	0	3	0	.
	18	7.6	82	11.2	98	1015.0	32	27	6*	5	4	8					27	8	1.3
22	0	5.4	93	11.2	97	1014.2	32	25	6*	4	4	7					60	2	1.0
	6	6.8	92	11.0	97	1010.9	27	15	4	3	2	8	8	5			61	6	2.1
	12	8.2	86	11.1	95	1004.1	18	12	4	3	1	8	8	5			61	6	2.0
	18	10.5	78	11.0	98	1004.1	29	34	8**	5	5	7					2	8	2.9
23	0	8.7	91	10.6	98	1010.2	32	27	6*	4	4	8					2	2	.
	6	9.1	79	10.9	98	1013.1	29	26	6*	4	4	7	4	8	3	1	3	8	.2
	12	10.6	86	10.7	98	1016.5	29	24	6*	4	4	5	3	2	0	9	1	2	.
	18	10.5	85	11.0	98	1017.9	27	23	6*	4	3	5					2	2	.
24	0	10.0	94	10.9	98	1016.2	25	23	6*	3	3	8					2	2	.
	6	10.5	89	11.0	97	1013.0	25	31	7*	5	4	8	8	5			2	2	.
	12	11.1	94	10.8	96	1011.4	25	31	7*	4	4	8	8	6			50	2	.0
	18	11.5	98	10.9	97	1009.2	25	30	7*	4	4	8					61	8	1.0
25	0	10.8	88	10.7	98	1010.2	27	25	6*	4	4	8					2	6	2.0
	6	9.3	83	10.7	98	1010.7	29	32	7*	4	4	7	7	8			15	2	2.5
	12	8.7	84	10.6	98	1011.1	29	34	8**	5	5	7	7	3			25	2	1.0
	18	9.2	74	10.5	98	1014.0	29	34	8**	6	5	1					2	2	.7
26	0	8.2	81	10.5	98	1018.0	32	28	7*	5	5	2					2	0	.
	6	8.0	83	10.4	98	1019.7	32	24	6*	4	3	1	1	2	0	0	2	0	.
	12	9.6	74	10.4	98	1021.8	32	21	5	3	3	5	5	2	0	0	3	0	.
	18	8.7	79	10.2	98	1024.0	34	16	5	3	2	1					1	2	.
27	0	8.3	85	10.0	98	1028.5	34	10	3	2	1	0	0	0	0	0	1	0	.
	6	9.1	78	9.5	98	1029.0	22	12	4	2	1	7	1	2	0	1	3	0	.
	12	8.2	87	10.0	95	1028.8	25	19	5	3	2	8	8	6			52	5	.0
	18	9.5	96	10.0	96	1025.0	25	21	5			8					10	6	.1
28	0	10.2	96	10.0	96	1024.0	27	19	5			8					10	2	.
	6	10.5	88	10.0	98	1021.7	27	17	5	2	1	8	7	6			1	2	.
	12	11.3	91	10.1	97	1021.7	27	20	5	3	2	4	2	6	2	2	1	2	.
	18	10.7	94	10.1	96	1020.8	27	21	5			8					61	2	.0
29	0	11.2	94	10.1	97	1021.8	27	24	6*			8					2	6	.0
	6	11.0	94	9.9	97	1020.8	27	21	5			8					2	2	.0
	12	11.0	98	10.0	95	1022.4	27	19	5	2	1	8	8	7			61	5	.0
	18	11.0	88	10.3	97	1021.0	27	19	5			8					21	6	.2
30	0	10.5	94	10.3	98	1022.0	27	19	5			1					1	2	.0
	6	11.0	88	10.0	97	1021.3	27	20	5	2	2	8					2	2	.0
	12	11.3	93	10.1	96	1022.4	27	18	5	2	1	8	8	6			10	2	.
	18	10.9	94	10.1	97	1022.0	25	14	4			8					2	2	.0
31	0	10.5	94	10.0	96	1022.0	25	17	5			8					10	2	.0
	6	10.3	96	10.1	96	1022.2	22	17	5			8					61	6	.0
	12	10.5	94	10.2	95	1023.8	25	17	5	2	1	8	8	6			10	6	1.0
	18	9.9	92	10.3	96	1025.8	22	12	4			8					10	2	1.0

1978 NOVEMBER FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	10.1	81	10.2	96	1027.0	22	17	5			8					10	2	.
	6	9.5	90	10.3	96	1028.0	22	9	3	2	1	7					10	2	.
	12	9.9	88	10.5	96	1030.9	22	12	4	2	1	4	4	6	0	0	10	2	.
	18	9.7	92	10.3	96	1032.0	18	10	3		0	0	0	0	0	0	10	0	.
2	0	8.1	94	10.0	95	1032.3	18	14	4			8					28	0	.
	6	8.8	92	10.0	95	1029.3	22	13	4			8					10	4	.
	12	8.6	94	10.2	94	1027.4	20	16	5	2	1	8	8	6			28	2	.
	18	9.7	88	10.1	96	1025.0	20	18	5			1					10	2	.
3	0	10.0	92	10.1	96	1024.0	22	23	6*			8					10	2	.
	6	10.0	94	10.2	95	1025.9	27	14	4	2	1	4					10	2	.0
	12	9.8	95	10.3	97	1026.7	25	14	4	2	1	4	3	5	7	0	1	4	.
	18	9.5	94	10.2	96	1025.0	22	18	5			8					10	2	.
4	0	9.6	95	10.2	96	1023.8	22	17	5			8					20	2	.0
	6	10.2	93	10.0	97	1023.0	25	17	5			8					3	0	.0
	12	10.7	95	10.2	95	1025.1	25	16	5	2	2	8	8	6			10	2	.
	18	10.6	96	10.2	96	1026.2	22	15	4			8					10	2	.
5	0	10.5	93	10.2	96	1026.5	22	20	5			8					10	2	.
	6	9.6	90	10.1	96	1026.3	22	18	5			8					10	2	.
	12	10.2	93	10.1	95	1028.0	22	17	5	2	2	8	8	6			10	2	.
	18	10.5	94	10.1	96	1028.2	22	18	5			8					10	2	.
6	0	10.7	94	10.0	95	1028.8	25	19	5			8					10	2	.
	6	10.8	95	10.1	97	1029.2	27	21	5			8					2	5	.
	12	10.7	94	10.2	97	1030.5	25	15	4	2	1	7	7	6			2	5	.
	18	10.7	94	10.2	97	1030.9	25	13	4			8					3	2	.0
7	0	10.5	88	10.0	96	1031.4	25	12	4			8	8	6			10	2	.
	6	10.5	96	10.1	97	1032.0	25	5	2			8					2	2	.
	12	9.1	99	10.1	97	1032.4	18	19	5	2	1	8	8	6			3	2	.
	18	7.5	83	10.0	96	1031.2	16	15	4			8					10	4	.
8	0	6.6	96	10.0	96	1030.1	18	17	5			8					10	2	.
	6	5.0	90	10.0	96	1028.9	18	15	4	2	1	8					10	2	.
	12	5.3	90	10.0	96	1028.7	22	12	4	2	1	8	8	6			10	2	.
	18	6.7	87	9.8	96	1028.0	20	16	5			0	0	0	0	0	10	2	.
9	0	8.2	87	9.9	96	1027.9	25	20	5			0	0	0	0	0	10	0	.
	6	8.8	96	9.8	95	1028.0	22	14	4	2	1	8					10	5	.0
	12	9.5	95	9.9	95	1029.1	25	17	5	2	2	8	8	6			28	4	.
	18	9.5	94	9.7	96	1029.0	22	16	5			7					10	2	.
10	0	9.4	95	9.7	97	1028.9	22	15	4			8					2	2	.
	6	9.5	88	9.6	96	1027.3	22	12	4			8					10	2	.
	12	7.3	97	9.7	95	1026.4	20	11	4	3	1	8	8	5			10	2	.
	18	7.0	92	9.2	96	1024.9	20	11	4	2	1	0	0	0	0	0	10	2	.

1978 NOVEMBER FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	6.7	95	9.2	95	1024.5	25	13	4	3	1	8					10	0	.
	6	7.0	89	9.3	96	1025.0	25	14	4	3	1	8					10	4	.
	12	7.1	97	9.2	93	1027.0	27	15	4	3	1	8	8	6			51	2	.0
	18	7.2	95	9.2	96	1027.0	22	10	3	2	1	8					10	5	.0
12	0	7.0	96	9.2	96	1028.0	22	11	4	2	1	8					10	2	.
	6	4.7	99	9.3	93	1026.5	16	12	4	2	1	8	8	6			45	2	.
	12	3.2	95	9.4	95	1024.3	16	18	5	3	1	8	8	6			10	4	.
	18	2.3	90	9.3	96	1021.3	18	20	5	3	2	8					10	2	.
13	0	2.5	95	9.2	96	1018.7	18	19	5	3	2	5					10	2	.
	6	5.3	82	9.0	96	1017.0	20	21	5	3	2	7					10	2	.
	12	8.2	94	9.0	96	1019.2	25	23	6*	4	3	8	8	6			21	2	.4
	18	8.5	95	9.0	96	1022.1	25	21	5	4	3	8					10	2	.4
14	0	8.3	84	9.2	97	1024.9	22	26	6*	4	3	7					2	2	.
	6	8.0	91	9.0	97	1024.7	22	25	6*	4	4	2					1	2	.
	12	8.6	91	8.9	96	1023.5	22	28	7*	4	4	8	8	5			10	0	.
	18	9.7	89	9.0	97	1019.3	22	31	7*	4	4	8					2	2	.
15	0	9.9	92	9.2	97	1017.2	25	30	7*	4	4	8					2	2	.
	6	10.0	90	9.4	97	1018.2	25	24	6*	4	4	8					2	6	.0
	12	9.6	90	9.5	97	1018.0	22	24	6*	3	3	8	8	5			2	5	.0
	18	8.6	86	9.4	97	1013.4	20	23	6*	3	3	0	0	0	0	0	1	2	.0
16	0	8.6	86	9.1	98	1007.5	22	30	7*	4	4	8					2	0	.
	6	10.0	87	9.4	97	1007.2	22	28	7*	4	4	4					1	6	.5
	12	9.3	77	9.5	98	1012.9	27	31	7*	4	4	2	2	2	0	0	2	8	.3
	18	8.9	67	9.3	98	1017.1	27	29	7*	4	4	3					1	8	.8
17	0	8.0	85	9.5	98	1019.0	25	31	7*	4	4	3					3	6	.0
	6	8.4	94	9.4	97	1017.6	25	31	7*	4	4	7					2	6	1.2
	12	10.3	91	9.4	97	1019.7	25	22	6*	4	3	2	1	5	0	1	1	6	.0
	18	10.2	92	9.4	97	1020.8	25	22	6*	3	2	8					3	0	.0
18	0	9.9	92	9.4	97	1021.0	22	19	5	3	2	8					61	2	.0
	6	9.4	84	9.2	97	1015.8	22	30	7*	4	4	8					2	6	.2
	12	9.0	96	9.2	96	1015.0	22	27	6*	4	4	8	8	5			60	8	.0
	18	10.0	98	9.4	97	1014.5	25	25	6*	4	3	8					60	6	.0
19	0	10.1	95	9.4	95	1015.0	22	22	6*	4	3	8					60	6	.1
	6	10.7	91	9.3	97	1013.0	22	23	6*	4	3	8					2	6	.4
	12	11.3	85	9.4	96	1012.0	22	25	6*	4	3	8	8	5			10	2	.
	18	10.1	92	9.4	97	1008.7	22	28	7*	4	4	8					2	2	.
20	0	10.4	87	9.4	98	1005.8	22	30	7*	4	4	8					2	2	.
	6	9.4	83	9.4	98	1008.5	27	30	7*	4	4	1					1	6	2.5
	12	10.0	70	9.4	98	1015.7	27	25	6*	4	3	2	1	2	0	2	3	0	.
	18	7.8	90	9.4	99	1018.9	25	25	6*	3	3	5					3	8	2.0

1978 NOVEMBER FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	7.0	89	9.3	98	1020.0	25	25	6*	3	3	3					2	2	.
	6	6.9	83	9.2	98	1019.1	22	25	6*	4	3	6					2	0	.
	12	8.2	87	9.3	96	1020.2	25	28	7*	4	4	7	7	8			10	8	.
	18	8.7	95	9.3	97	1020.9	22	24	6*	4	3	8					2	2	.
22	0	10.0	89	9.3	97	1019.8	25	23	6*	4	3	8					3	6	.2
	6	10.6	96	9.3	96	1019.4	25	27	6*	4	4	8					51	6	.3
	12	10.8	93	9.3	97	1021.8	25	23	6*	4	3	8	8	5			2	5	.0
	18	10.6	87	9.3	97	1021.9	25	27	6*	4	3	8					2	2	.0
23	0	10.4	93	9.3	98	1020.2	25	31	7*	4	4	8					2	6	.0
	6	11.0	83	9.4	97	1022.0	27	24	6*	4	3	8					2	6	.0
	12	9.4	90	9.4	97	1026.0	27	22	6*	3	2	4	2	5	0	1	3	2	.
	18	9.4	95	9.3	97	1025.3	25	15	4	2	1	8					61	2	.9
24	0	10.0	94	9.2	97	1021.6	25	26	6*	3	3	8					21	6	6.0
	6	9.6	98	9.2	96	1017.3	25	27	6*	4	3	8					60	6	6.1
	12	9.7	96	9.3	95	1016.8	25	24	6*	3	3	8	8	7			61	6	2.0
	18	7.7	97	9.3	95	1014.0	4	10	3			8					65	6	15.0
25	0	6.2	90	9.1	98	1014.9	36	5	2			8					21	2	.0
	6	6.0	93	9.2	98	1013.4	32	10	3			8					2	2	3.0
	12	7.1	78	9.1	98	1013.6	34	10	3	2	0	7	1	2	2	2	2	1	.
	18	5.5	93	8.9	98	1013.0	4	5	2		0	8					3	2	.
26	0	5.6	83	9.0	98	1012.9	20	17	5			8					3	2	.
	6	4.8	88	8.9	98	1011.1	22	16	5			6					3	0	.1
	12	5.5	83	8.9	98	1011.1	22	21	5	3	2	7	4	5	7		3	2	.
	18	4.5	93	8.8	98	1010.8	22	21	5			8					3	2	.
27	0	4.3	88	8.6	98	1008.8	22	24	6*			8					3	6	.1
	6	4.0	92	8.4	98	1005.8	29	23	6*			8					27	2	.5
	12	5.0	77	8.6	98	1004.1	29	25	6*	4	4	8	8	5			3	0	.
	18	3.2	74	8.6	98	1002.3	32	16	5			2					2	7	1.1
28	0	2.7	66	8.2	98	1002.5	27	8	3			2					3	0	.
	6	1.0	85	7.4	98	1004.6	16	10	3			1					2	0	.
	12	3.2	81	8.0	98	1009.0	7	16	5	2	1	2	2	2	0	0	1	2	.0
	18	4.0	88	7.9	98	1013.5	7	19	5			1					1	2	.
29	0	3.0	84	7.9	98	1017.5	4	21	5			8					3	2	.
	6	2.3	85	7.9	98	1018.6	2	21	5			8					2	2	.
	12	1.6	83	6.9	97	1019.2	36	19	5	2	2	8	8	6			3	2	.
	18	2.0	84	7.1	98	1018.9	36	19	5			8					3	2	.
30	0	1.5	85	7.2	98	1018.8	10	20	5			8					2	2	.
	6	1.6	85	7.2	98	1018.2	2	22	6*			8					2	2	.
	12	1.5	93	6.9	97	1017.9	1	21	5	3	2	8	8	5			20	2	.0
	18	2.0	85	7.0	97	1018.0	2	18	5			8					70	7	.0

1978 DEZEMBER FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
1	0	1.6	92	6.8	98	1019.3	2	16	5			8					2	2	.
	6	2.8	80	6.8	97	1020.8	4	15	4			8					2	2	.
	12	3.0	89	6.9	97	1022.9	2	14	4	2	1	8	8	6			2	2	.
	18	3.0	84	6.7	97	1023.3	4	13	4			4					1	2	.
2	0	3.6	92	6.7	98	1023.9	2	14	4			8					2	2	.
	6	4.0	92	7.0	97	1023.0	7	12	4			8					2	2	.
	12	6.1	92	7.1	97	1023.8	9	10	3	2	1	8		6			2	5	.1
	18	5.5	86	7.1	97	1023.3	13	20	5			8					2	2	1.5
3	0	5.6	80	7.2	97	1023.8	13	16	5			8					2	2	.
	6	4.9	86	7.1	97	1021.9	13	16	5			0	0	0	0	0	1	2	.
	12	4.3	77	7.3	97	1021.1	13	14	4	2	1	7	7	5			3	2	.
	18	3.9	79	7.1	97	1019.9	11	19	5			8					2	2	.
4	0	2.8	80	7.2	97	1019.9	13	26	6*			2					1	2	.
	6	1.6	78	7.1	97	1019.6	13	34	8**			1					1	1	.
	12	2.8	57	7.1	98	1020.9	13	22	6*	3	3	1	1	5	0	0	3	0	.
	18	2.8	72	7.2	98	1022.0	11	25	6*			8					3	0	.
5	0	1.8	77	7.0	97	1025.8	11	23	6*			1					1	2	.
	6	.7	86	6.9	98	1028.6	13	20	5			0	0	0	0	0	2	0	.
	12	2.6	76	6.6	98	1032.5	13	11	4	2	1	8	8	6			3	2	.
	18	1.6	74	6.6	97	1033.2	9	8	3		0	8					3	0	.
6	0	2.1	92	6.4	97	1033.9	11	6	2			8					60	0	.
	6	2.6	73	6.5	97	1033.2	22	14	4			8					2	2	.0
	12	2.0	87	6.6	97	1032.9	0	0	0	0	0	8	8	6			20	2	.0
	18	2.5	84	6.5	97	1030.0	7	12	4			8					2	2	.0
7	0	3.2	83	6.5	97	1027.6	13	19	5			8					22	2	.0
	6	.6	83	6.6	97	1025.2	11	20	5			0	0	0	0	0	1	2	.0
	12	-1.4	79	6.6	96	1023.1	11	21	5	3	3	4	4	5	0	0	10	0	.
	18	-.5	73	6.4	97	1021.9	11	24	6*			0	0	0	0	0	1	0	.
8	0	-2.3	81	6.4	97	1021.0	11	24	6*			2					3	0	.
	6	-3.5	82	6.2	97	1018.5	13	26	6*			4					2	1	.
	12	-2.7	83		96	1014.3	13	26	6*	4	4	7	7	6			10	2	.
	18	-2.0	86	5.8	97	1009.0	13	34	8**	4	4	7					2	2	.
9	0	-.7	85	5.7	96	1003.4	11	31	7*	4	4	8					10	2	.
	6	-1.1	92	5.5	93	1002.0	13	22	6*	4	3	8					75	2	.0
	12	2.5	97	5.6	92	1002.8	18	7	3	3	1	8					61	7	2.0
	18	6.0	96	5.5	96	1004.1	25	21	5	3	2	8					10	6	3.5
10	0	6.1	99	5.8	96	1007.1	25	17	5	3	2	8					60	2	.4
	6	6.1	97	5.5	92	1008.8	22	20	5	3	3	8	8	6			45	6	.5
	12	6.0	96	5.6	93	1012.0	27	10	3	2	1	8					51	4	.3
	18	2.8	94	5.0	96	1015.0	4	11	4	2	1	8					10	5	.4

1978 DEZEMBER FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
11	0	5.0	86	5.0	97	1015.5	11	19	5	3	2	8					2	2	.
	6	3.5	89	5.0	97	1013.7	11	28	7*	4	3	8					2	2	.
	12	3.0	95	5.5	95	1010.8	11	28	7*	4	4	8	8	5			61	2	2.0
	18	4.2	91	5.5	96	1005.2	11	28	7*			8					50	0	3.2
12	0	4.2	94	5.9	95	1001.6	13	28	7*			8					10	6	.
	6	4.3	90	6.0	96	996.8	13	20	5	3	3	8					10	2	.2
	12	4.5	93	6.0	94	994.8	16	17	5	3	2	8	8	6			10	2	.
	18	5.9	94	5.4	96	989.3	16	15	4	3	1	7					10	6	.7
13	0	6.0	93	5.5	96	986.8	18	15	4	3	1	7					10	2	.
	6	6.3	96	5.5	97	984.8	22	14	4	2	1	4					1	6	.7
	12	6.7	93	5.4	96	983.5	20	15	4	3	1	8	4	5	1		21	2	.2
	18	6.2	96	5.5	98	981.0	22	17	5	2	1	8					21	2	3.0
14	0	6.0	88	5.4	97	980.2	22	19	5	3	2	7					2	8	.3
	6	4.9	93	5.1	98	980.1	18	14	4	3	1	7					2	2	.3
	12	5.5	90	5.2	97	980.7	18	15	4	2	1	8	8	5			21	2	.0
	18	5.8	90	5.2	97	980.2	13	18	5	3	1	8					21	2	.8
15	0	5.1	84	5.5	97	981.5	20	19	5			8					0	0	.
	6	3.6	91	5.5	98	983.8	4	17	5	3	2	8					2	6	10.0
	12	3.7	92	5.6	97	988.8	4	24	6*	3	2	8	8	5			21	2	.0
	18	3.5	92	5.5	97	992.1	7	20	5	3	2	8					2	6	.0
16	0	2.5	94	5.4	98	997.3	7	20	5	3	2	8					2	2	.
	6	2.0	87	5.2	97	999.8	4	18	5	3	2	8					68	2	.0
	12	2.2	70	5.2	97	1002.3	2	18	5	3	2	5	5	8	0	0	3	2	.
	18	.2	79	5.2	98	1005.0	2	17	5	3	2	3					2	2	.
17	0	-.4	76	5.2	98	1008.0	4	10	3	2	1	1					2	0	.
	6	-.4	69	5.2	98	1011.4	2	10	3	2	1	8					3	0	.
	12	.3	50	4.7	98	1015.9	4	8	3	2	1	4	0	0	0	1	1	2	.
	18	-.4	85	4.4	98	1020.1	34	11	4	2	1	1					2	2	.
18	0	-2.3	82	4.5	98	1024.5	2	11	4	2	1	0	0	0	0	0	1	0	.
	6	-1.2	85	4.5	98	1026.4	29	5	2		0	0	0	0	0	0	2	0	.
	12	1.5	67	4.5	98	1028.0	25	14	4	3	2	4	1	0	3	5	1	0	.
	18	-1.0	92	4.5	96	1026.6	25	18	5	3	2	3					10	2	.
19	0	.3	98	4.4	96	1026.0	25	16	5	3	2	8					10	0	.
	6	1.0	90	4.1	97	1024.9	25	12	4	3	1	8					2	2	.
	12	2.0	76	4.1	96	1024.0	27	7	3		0	8	8	5			5	2	.
	18	2.4	87	4.3	97	1021.3	11	7	3		0	8					2	2	.
20	0	2.3	87	4.0	97	1019.0	4	12	4	2	1	7					2	2	.
	6	2.9	78	4.0	97	1017.2	11	20	5	3	2	8					2	2	.
	12	2.8	67	4.4	98	1017.3	11	28	7*	4	4	7	7	5			2	2	.
	18	3.2	78	4.2	98	1017.1	11	31	7*	4	4	4					1	2	.

1978 DEZEMBER FEUERSCHIFF " FEHMARNBELT "

Tag	Zeit	T	U	T_W	V	P	D	v	F	P_W	H_W	N	N_h	C_L	C_M	C_H	ww	W	R
21	0	1.8	75	4.3	97	1020.3	11	25	6*	4	3	8					2	2	.
	6	1.3	73	4.3	97	1021.9	11	27	6*	4	4	8					2	2	.
	12	.5	86	4.4	97	1025.0	11	27	6*	4	4	7	4	5	0	6	1	2	.
	18	2.2	62	4.0	98	1024.2	11	33	7*			5					1	2	.
22	0	.4	84	3.9	98	1024.8	13	32	7*			1					1	0	.
	6	-.4	75	3.7	98	1021.3	11	27	6*			0	0	0	0	0	1	0	.
	12	-1.5	88	3.5	97	1019.0	11	20	5	3	2	8	8	6			3	0	.
	18	.9	49	3.5	97	1015.3	11	18	5			8					2	2	.
23	0	-1.3	84	3.5	97	1013.9	10	14	4			8					2	2	.
	6	-.5	100	3.5	97	1011.8	9	12	4			8					2	2	.
	12	.1	95	3.4	96	1011.0	13	6	2		0	8	8	7			51	2	.0
	18	.0	91	3.3	96	1010.1	11	12	4			8					20	5	.0
24	0	.0	95	3.2	96	1009.9	18	12	4			8					10	2	.
	6	-.2	95	3.4	97	1007.6	13	16	5			8					2	2	.
	12	.1	93	3.3	96	1007.5	11	26	6*	3	2	8	8	6			20	2	.0
	18	2.5	76	3.5	97	1005.0	9	26	6*			8					2	5	.0
25	0	2.1	87	3.5	96	1001.8	11	29	7*			8					10	2	.
	6	2.3	95	3.7	96	997.0	11	28	7*			8					69	7	1.0
	12	3.5	94	3.6	95	995.8	13	14	4	2	1	8	8	7			50	7	5.0
	18	4.6	96	3.6	96	997.0	20	10	3			8					10	7	5.5
26	0	4.5	97	4.3	96	999.5	18	17	5			8					61	2	.0
	6	4.7	97	3.6	97	1000.1	22	21	5			8					2	6	.6
	12	5.0	93	3.7	97	1002.0	25	23	6*	3	3	8	8	6			2	6	.2
	18	3.7	85	3.8	97	1003.9	27	16	5			8					2	2	.2
27	0	2.9	91	3.9	97	1003.9	32	10	3			8					2	2	.
	6	2.8	92	3.7	97	1005.0	34	10	3			8					50	2	.0
	12	2.4	98	3.7	96	1007.1	32	8	3	2	0	8	8	7			61	2	.5
	18	3.6	88	3.5	97	1005.8	13	11	4			8					2	2	.5
28	0	2.7	90	3.6	97	1002.2	13	15	4			8					2	2	.
	6	1.3	97	3.5	96	994.7	9	28	7*			8					68	7	1.7
	12	1.1	97	3.5	95	991.2	9	33	7*	5	5	8	8	7			69	7	3.0
	18	.4	96	3.5	94	992.0	9	30	7*	5	5	8					73	7	3.0
29	0	-.7	92	3.7	97	994.9	9	30	7*	5	5	8					71	7	.0
	6	-1.6	92	3.5	97	995.0	9	31	7*	5	5	8					71	7	.0
	12	-2.0	94	3.6	92	996.2	9	32	7*	4	4	8	8	5			73	7	.0
	18	-2.5	90	3.2	96	998.0	9	37	8**	5	5	8					71	7	.0
30	0	-3.0	92	3.5	92	1001.6	9	38	8**	5	5	8					75	7	.0
	6	-4.3	93	2.7	94	1003.2	9	39	8**	5	6	8					73	7	.0
	12	-5.0	93	3.2	91	1005.1	9	35	8**	5	6	8					75	7	.0
	18	-5.2	92	3.2	94	1006.2	11	34	8**	5	6	8					73	7	.0
31	0	-5.8	90	3.0	95	1005.0	9	37	8**	5	6	8					86	7	.0
	6	-5.8	90	1.2	96	999.8	9	39	8**	5	6	8					86	8	.0
	12	-5.6	95	2.7	94	997.5	9	37	8**	5	7	8					75	8	.0
	18																		.

MITTEL -, EXTREM - UND HÄUFIGKEITSWERTE

für die Feuerschiffe

J / E 3 - Borkumriff TW - Ems Deutsche Bucht Weser Elbe 1	NORDSEE
Leuchtturm Kiel Fehmarnbelt	OSTSEE

- - - - -

FEUERSCHIFF RORKUMRIFF 1978

LUFTTEMPERATUR (CELSIUS)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL	STREUUNG
JAN.	4.2	4.2	4.1	4.2	4.3	4.5	4.4	4.1	4.2	1.5
FEB.	.9	.9	.8	.8	1.1	1.4	1.2	1.2	1.0	2.6
MAR.	4.6	4.5	4.6	4.8	5.0	5.2	5.0	4.9	4.8	1.3
APR.	5.0	4.8	4.8	5.2	5.9	6.1	5.7	5.4	5.4	1.3
MAI	8.5	8.3	8.6	9.0	9.3	9.6	9.5	8.9	9.0	1.8
JUN.	12.3	12.3	12.5	13.0	13.2	13.3	13.0	12.7	12.8	1.5
JUL.	13.6	13.5	13.7	14.1	14.5	14.9	14.7	14.1	14.1	2.1
AUG.	15.3	15.1	15.2	15.6	16.0	16.0	15.8	15.3	15.6	1.5
SEP.	13.9	13.8	13.7	13.9	13.9	14.4	13.9	13.9	13.9	1.5
OKT.	12.2	12.1	12.2	12.1	12.5	12.7	12.5	12.4	12.3	1.7
NOV.	9.3	9.3	9.2	8.8	9.0	9.4	9.1	9.0	9.1	2.8
DEZ.	2.7	2.8	2.7	2.6	2.8	3.2	3.0	2.8	2.8	3.0
JAHR	8.5	8.5	8.5	8.7	9.0	9.2	9.0	8.7	8.8	1.9

EXTREMTEMPERATUREN

MAX.	DATUM	MIN.	DATUM
7.7 AM	1. UM 21 UHR	0.3 AM	5. UM 3 UHR
6.7 AM	26. UM 15 UHR	-4.1 AM	17. UM 9 UHR
8.7 AM	29. UM 0 UHR	1.0 AM	17. UM 6 UHR
9.6 AM	18. UM 15 UHR	1.7 AM	11. UM 12 UHR
14.5 AM	31. UM 18 UHR	4.8 AM	12. UM 12 UHR
16.1 AM	21. UM 12 UHR	9.4 AM	15. UM 0 UHR
20.2 AM	27. UM 15 UHR	11.0 AM	4.. 5.
21.4 AM	1. UM 12 UHR	12.4 AM	28. UM 6 UHR
17.6 AM	10. UM 15 UHR	10.3 AM	27..28..29.
16.4 AM	11. UM 15 UHR	8.6 AM	17. UM 6 UHR
12.9 AM	5. UM 15 UHR	1.9 AM	12. UM 12 UHR
8.5 AM	10. UM 3 UHR	-4.4 AM	30. UM 12 UHR

WASSERTEMPERATUR (CELSIUS)

MONAT	UHRZEIT 00	06	12	18	MONATS-MITTEL	STREUUNG
JAN.	5.9	5.9	5.8	5.9	5.9	.6
FEB.	3.5	3.5	3.5	3.5	3.5	.6
MAR.	4.2	4.2	4.3	4.3	4.3	.7
APR.	6.1	6.1	6.1	6.2	6.1	.4
MAI	8.5	8.5	8.7	8.9	8.7	1.2
JUN.	12.8	12.7	12.9	13.0	12.9	.7
JUL.	14.8	14.8	14.9	15.1	14.9	.8
AUG.	16.8	16.8	16.8	16.9	16.9	.4
SEP.	15.3	15.3	15.3	15.3	15.3	.5
OKT.	13.8	13.8	13.8	13.8	13.8	.6
NOV.	11.7	11.7	11.6	11.6	11.6	.7
DEZ.	6.8	6.7	6.7	6.7	6.7	1.5
JAHR	10.0	10.0	10.0	10.1	10.0	.7

TEMPERATURDIFFERENZ LUFT MINUS WASSER

MONATS-MITTEL	STREUUNG
-1.6	1.4
-2.4	2.7
-.6	1.2
-.8	1.1
-.3	1.2
-.1	1.5
-.8	1.5
-1.3	1.3
-1.4	1.3
-1.5	1.6
-2.5	2.5
-3.9	3.1
-1.3	1.7

EXTREMTEMPERATUREN

MAX.	DATUM	MIN.	DATUM
7.0 AM	3. UM 18 UHR	4.7 AM	29. UM 21 UHR
4.7 AM	1. UM 0 UHR	2.4 AM	22. UM 6 UHR
5.8 AM	30..31.	3.3 AM	1.. 2.
7.0 AM	18..30.	5.5 AM	5.. 6.. 7..11.
12.1 AM	31. UM 18 UHR	6.7 AM	1. UM 0 UHR
14.8 AM	18. UM 12 UHR	10.9 AM	1. UM 3 UHR
17.5 AM	29. UM 18 UHR	14.1 AM	1.. 2.. 3.. 4.
19.2 AM	1. UM 15 UHR	16.0 AM	5. UM 0 UHR
16.1 AM	1.. 2.	14.5 AM	29..30.
14.5 AM	1.. 2..11..12..13.	12.7 AM	27..28..30..31.
12.7 AM	1. UM 12 UHR	9.7 AM	30. UM 18 UHR
9.9 AM	1. UM 0 UHR	3.7 AM	30. UM 12 UHR

LUFTDRUCK (1000+ ΔP MBAR)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL	STREUUNG
JAN.	8.9	8.6	8.1	8.4	8.3	7.8	8.4	8.6	8.4	13.5
FEB.	9.6	9.2	9.3	9.8	9.8	9.3	9.5	9.6	9.5	10.7
MAR.	7.2	7.1	6.6	7.7	8.1	7.8	7.7	8.3	7.6	10.4
APR.	14.1	13.7	13.7	14.1	14.3	13.9	13.6	14.0	13.9	7.3
MAI	16.3	15.9	16.0	16.4	16.5	16.3	16.2	16.7	16.3	8.2
JUN.	13.2	12.7	12.6	13.0	13.2	13.0	12.9	12.9	12.9	7.2
JUL.	14.4	13.8	13.6	14.0	14.2	14.2	14.2	14.4	14.1	6.7
AUG.	16.4	16.0	15.9	16.3	16.6	16.6	16.4	16.6	16.4	5.9
SEP.	13.2	12.7	12.2	12.7	13.0	13.1	13.2	13.5	13.0	6.9
OKT.	20.0	19.7	19.7	20.3	20.5	20.2	20.4	20.7	20.2	5.6
NOV.	21.6	21.6	21.6	22.0	22.1	21.3	21.5	21.6	21.7	6.7
DEZ.	7.8	6.6	8.4	9.0	10.7	8.3	7.9	7.8	8.3	13.6
JAHR	13.6	13.1	13.1	13.6	14.0	13.5	13.5	13.7	13.5	8.6

BEWOELKUNG (ZEHNTEL)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL
JAN.	7.7	8.1	8.3	8.8	9.0	9.0	7.7	7.2	8.2
FEB.	7.9	8.9	8.7	8.4	8.4	8.3	8.9	7.3	8.4
MAR.	7.3	7.8	8.5	8.2	8.0	8.2	8.4	7.2	8.0
APR.	7.2	6.9	7.8	8.0	7.5	7.7	8.2	7.7	7.6
MAI	6.6	7.6	8.0	7.4	7.5	6.7	7.1	7.8	7.3
JUN.	7.3	7.4	7.7	7.5	8.2	7.8	7.7	7.9	7.7
JUL.	7.7	8.3	8.3	8.5	8.7	8.1	8.1	8.4	8.3
AUG.	5.9	6.4	8.0	7.2	7.6	8.1	7.6	7.1	7.2
SEP.	7.6	7.7	8.6	8.7	8.4	8.0	7.9	7.7	8.1
OKT.	7.8	7.3	8.4	8.2	8.1	8.1	8.5	7.3	8.0
NOV.	8.8	8.5	8.2	8.8	9.1	8.8	8.4	7.8	8.5
DEZ.	7.5	7.8	8.2	8.7	8.8	8.6	8.4	7.5	8.2
JAHR	7.4	7.7	8.2	8.2	8.3	8.1	8.1	7.6	8.0

ANZAHL DER TAGE MIT :

MONAT	BEAUFORT ≥6	≥8	SCHNEE ODER SCHNEEREGEN	GRAUPEL HAGEL	NEBEL	GEWITTER	NIEDERSCHLAG ≥0.1 MM	≥1.0 MM	≥10.0 MM	NIEDERSCHLAGSMENGE RR IN MM	RELATIVE FEUCHTE MONATSMITTEL
JAN.	29	8	12	7	3	0	22	18	4	112.6	88
FEB.	14	2	14	1	6	0	14	7	0	20.1	87
MAR.	17	6	3	2	7	0	20	18	4	92.5	89
APR.	14	1	2	2	7	0	10	7	1	43.6	83
MAI	8	0	0	0	10	0	9	6	1	29.7	86
JUN.	12	0	0	0	5	1	15	14	2	78.1	84
JUL.	14	0	0	0	1	1	17	14	3	99.1	83
AUG.	12	1	0	0	1	1	20	13	3	95.2	81
SEP.	26	4	0	0	0	2	21	20	8	192.8	81
OKT.	14	3	0	3	3	1	14	12	1	59.6	83
NOV.	20	6	4	7	8	0	17	14	1	51.2	86
DEZ.	25	5	8	2	6	0	16	14	6	131.4	85
JAHR	205	36	43	24	57	6	195	157	34	1005.9	85

FEUERSCHIFF BORKUMRIFF 1978

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WINDSTAERKE (KNOTEN)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL
JAN.	21.7	22.0	21.2	20.7	20.5	20.8	21.5	21.6	21.2
FEB.	16.9	16.5	16.3	16.3	16.2	16.1	16.4	16.2	16.4
MAR.	18.2	18.3	18.6	17.6	18.7	18.4	17.9	18.4	18.3
APR.	14.9	14.4	14.6	14.5	14.1	14.7	15.1	17.3	14.9
MAI	14.3	13.0	13.3	13.1	12.7	13.5	13.5	13.3	13.3
JUN.	15.0	14.7	15.0	15.3	14.8	15.3	16.2	15.6	15.3
JUL.	14.5	15.0	15.5	15.3	15.0	15.0	14.1	14.1	14.8
AUG.	15.6	15.6	16.1	15.6	15.3	16.2	15.4	15.4	15.6
SEP.	20.2	20.6	21.3	21.4	21.2	21.2	20.2	19.8	20.7
OKT.	17.5	17.7	17.9	17.8	17.3	17.3	17.9	17.5	17.6
NOV.	22.1	21.3	21.2	19.6	20.5	21.1	21.6	22.6	21.3
DEZ.	21.0	19.8	20.1	18.9	20.1	20.1	20.4	21.9	20.3
JAHR	17.7	17.4	17.6	17.2	17.2	17.5	17.5	17.8	17.5

HAEUFIGKEITEN IN PROZENT

MONAT	BEAUFORT 0	1 - 3	4 - 5	6 - 7	8 - 9	10-12
JAN.	.0	7.7	43.1	40.3	8.9	.0
FEB.	.4	17.9	63.4	17.4	.9	.0
MAR.	.0	14.1	57.7	23.8	4.4	.0
APR.	1.7	30.0	47.1	20.8	.0	.4
MAI	.8	33.9	55.2	10.1	.0	.0
JUN.	.8	27.1	48.3	23.8	.0	.0
JUL.	.8	24.2	59.3	15.7	.0	.0
AUG.	1.2	23.4	51.6	23.4	.4	.0
SEP.	.0	9.6	41.3	44.2	5.0	.0
OKT.	.0	14.1	61.3	21.8	2.8	.0
NOV.	.0	10.5	43.0	38.4	7.6	.4
DEZ.	.4	16.5	37.1	38.8	6.8	.4
JAHR	.5	19.1	50.7	26.5	3.1	.1

WINDRICHTUNGEN (GRAD)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL
JAN.	220	215	213	212	214	217	200	197	211
FEB.	121	125	127	130	122	132	116	112	123
MAR.	237	247	235	239	234	240	232	229	237
APR.	55	41	38	61	41	28	30	27	39
MAI	38	40	35	43	31	29	27	31	34
JUN.	290	278	242	241	283	292	291	296	279
JUL.	257	248	270	250	268	279	298	286	270
AUG.	269	277	270	270	273	291	293	288	279
SEP.	279	274	278	278	281	281	288	281	280
OKT.	257	257	253	249	251	253	250	244	251
NOV.	229	238	241	235	231	224	220	223	230
DEZ.	138	138	141	146	135	131	132	128	136
JAHR	240	244	240	229	249	266	276	256	249

HAEUFIGKEITEN IN PROZENT

MONAT	RICHTUNGEN N	NE	E	SE	S	SW	W	NW	C	HAEUFIGSTE WINDRICHTUNG
JAN.	7.1	3.7	3.3	17.5	22.3	19.0	16.8	9.5	.8	S
FEB.	4.2	15.6	19.8	27.9	16.2	8.7	2.6	1.5	3.6	SE
MAR.	4.7	2.9	5.1	6.9	18.1	28.4	16.4	16.5	.8	SW
APR.	14.0	26.5	25.8	2.8	2.0	6.6	5.5	14.0	2.9	NE
MAI	22.4	41.2	14.6	2.8	1.5	2.2	.0	11.6	3.6	NE
JUN.	8.1	13.9	8.2	3.4	8.5	20.3	18.6	17.6	1.3	SW
JUL.	2.7	3.3	7.4	6.1	9.8	15.9	21.4	30.1	3.2	NW
AUG.	4.1	1.0	4.4	5.2	8.1	15.7	21.3	35.7	4.4	NW
SEP.	1.4	.4	3.3	3.5	3.4	15.6	32.9	38.1	1.3	NW
OKT.	5.4	1.9	4.3	11.6	13.2	16.7	25.7	20.3	.8	W
NOV.	5.5	4.4	1.9	2.4	13.7	48.9	16.2	5.2	1.7	SW
DEZ.	.4	3.6	23.9	38.9	13.0	14.1	2.1	1.4	2.5	SE
JAHR	6.7	9.9	10.2	10.8	10.8	17.7	15.0	16.8	2.2	SW

HAEUFIGKEIT DER WELLENHOEHEN IN PROZENT

MONAT	ANZAHL DER BEOBACHTUNGEN	HOEHE (METER) 00	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	≥ 6.0	MITTLERE HOEHE
JAN.	93	2.2	9.7	24.7	44.1	8.6	4.3	1.1	2.2	1.1	1.1	1.1	.0	.0	.7
FEB.	92	2.2	33.7	28.3	28.3	5.4	2.2	.0	.0	.0	.0	.0	.0	.0	.5
MAR.	141	5.7	16.3	29.1	24.1	10.6	6.4	5.7	2.1	.0	.0	.0	.0	.0	.7
APR.	142	7.7	18.3	31.7	30.3	7.0	4.9	.0	.0	.0	.0	.0	.0	.0	.6
MAI	154	10.4	37.7	24.7	13.6	10.4	1.3	1.9	.0	.0	.0	.0	.0	.0	.5
JUN.	189	11.1	32.8	18.0	11.6	15.9	2.6	5.3	1.6	1.1	.0	.0	.0	.0	.6
JUL.	181	10.5	27.6	25.4	22.1	9.9	4.4	.0	.0	.0	.0	.0	.0	.0	.5
AUG.	160	9.4	16.2	34.4	15.0	10.6	8.8	5.0	.6	.0	.0	.0	.0	.0	.6
SEP.	149	.0	6.0	11.4	34.9	19.5	14.1	8.7	2.0	2.7	.7	.0	.0	.0	.9
OKT.	115	.0	39.1	18.3	13.9	14.8	12.2	1.7	.0	.0	.0	.0	.0	.0	.6
NOV.	83	.0	13.3	32.5	14.5	19.3	2.4	12.0	4.8	1.2	.0	.0	.0	.0	.8
DEZ.	76	1.3	18.4	27.6	31.6	9.2	5.3	1.3	5.3	.0	.0	.0	.0	.0	.7
JAHR	1575	5.0	22.4	25.5	23.7	11.8	5.7	3.6	1.5	.5	.1	.1	.0	.0	.6

FEUERSCHIFF TW EMS 1978

LUFTTEMPERATUR (CELSIUS)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL	STREUUNG	EXTREMTEMPERATUREN MAX.	DATUM	MIN.	DATUM
JAN.	5.1	5.1	5.1	4.9	4.8	5.1	5.0	5.1	5.0	1.4	8.1 AM	1. UM 12 UHR	1.7 AM	15. UM 21 UHR
FEB.	1.9	1.8	1.8	1.8	1.8	1.9	2.0	2.1	1.9	2.3	7.1 AM	26. UM 6 UHR	-2.1 AM	10. UM 9 UHR
MAR.														
APR.														
MAI														
JUN.														
JUL.														
AUG.														
SEP.														
OKT.														
NOV.														
DEZ.														
JAHR														

WASSERTEMPERATUR (CELSIUS)

MONAT	UHRZEIT 00	06	12	18	MONATS-MITTEL	STREUUNG	TEMPERATURDIFFERENZ LUFT MINUS WASSER MONATS-MITTEL	STREUUNG	EXTREMTEMPERATUREN MAX.	DATUM	MIN.	DATUM
JAN.	6.6	6.6	6.6	6.6	6.6	.8	-1.6	1.3	7.9 AM	3.. 4.	5.3 AM	25..28..31.
FEB.	4.2	4.2	4.2	4.2	4.2	.6	-2.3	2.4	5.4 AM	1. UM 0 UHR	3.2 AM	21. UM 6 UHR
MAR.												
APR.												
MAI												
JUN.												
JUL.												
AUG.												
SEP.												
OKT.												
NOV.												
DEZ.												
JAHR												

LUFTDRUCK (1000+ ΔP MBAR)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL	STREUUNG
JAN.	8.9	8.6	8.0	8.6	8.1	8.0	8.5	9.0	8.5	13.6
FEB.	10.0	9.6	9.6	10.3	10.4	9.9	10.2	10.3	10.0	10.9
MAR.										
APR.										
MAI										
JUN.										
JUL.										
AUG.										
SEP.										
OKT.										
NOV.										
DEZ.										
JAHR										

BEWOELKUNG (ZEHNTEL)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL
JAN.	8.4	8.5	8.5	8.9	9.0	9.2	8.8	7.8	8.6
FEB.	8.0	8.7	8.7	8.8	8.4	8.5	8.7	8.1	8.5
MAR.									
APR.									
MAI									
JUN.									
JUL.									
AUG.									
SEP.									
OKT.									
NOV.									
DEZ.									
JAHR									

ANZAHL DER TAGE MIT :

MONAT	BEAUFORT ≥6	≥8	SCHNEE ODER SCHNEEREGEN	GRAUPEL HAGEL	NEBEL	GEWITTER	NIEDERSCHLAG ≥0.1	≥1.0	≥10.0	NIEDERSCHLAGSMENGE RR IN MM	RELATIVE FEUCHTE MONATSMITTEL
JAN.	29	8	4	8	3	0	20	16	1	57.6	84
FEB.	11	2	13	3	3	0	9	6	0	11.9	83
MAR.											
APR.											
MAI											
JUN.											
JUL.											
AUG.											
SEP.											
OKT.											
NOV.											
DEZ.											
JAHR											

FEUERSCHIFF TW EMS 1978

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WINDSTAERKE (KNOTEN)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL
JAN.	22.9	21.9	21.5	21.5	22.3	22.5	22.7	22.5	22.2
FEB.	16.0	16.5	16.5	16.9	16.9	16.3	16.7	15.9	16.5
MAR.									
APR.									
MAI									
JUN.									
JUL.									
AUG.									
SEP.									
OKT.									
NOV.									
DEZ.									
JAHR									

HAEUFIGKEITEN IN PROZENT

MONAT	BEAUFORT 0	1 - 3	4 - 5	6 - 7	8 - 9	10-12
JAN.	.0	8.1	40.7	41.9	9.3	.0
FEB.	.4	21.4	60.3	15.6	2.2	.0
MAR.						
APR.						
MAI						
JUN.						
JUL.						
AUG.						
SEP.						
OKT.						
NOV.						
DEZ.						
JAHR						

WINDRICHTUNGEN (GRAD)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL
JAN.	228	225	226	228	227	231	216	225	226
FEB.	124	126	131	131	131	132	124	120	127
MAR.									
APR.									
MAI									
JUN.									
JUL.									
AUG.									
SEP.									
OKT.									
NOV.									
DEZ.									
JAHR									

HAEUFIGKEITEN IN PROZENT

MONAT	RICHTUNGEN N	NE	E	SE	S	SW	W	NW	C	HAEUFIGSTE WINDRICHTUNG
JAN.	6.1	8.1	2.8	10.1	24.1	17.1	21.7	10.0	.0	S
FEB.	3.1	9.3	26.8	30.1	13.5	12.1	2.0	2.7	.4	SE
MAR.										
APR.										
MAI										
JUN.										
JUL.										
AUG.										
SEP.										
OKT.										
NOV.										
DEZ.										
JAHR										

HAEUFIGKEIT DER WELLENHOEHEN IN PROZENT

MONAT	ANZAHL DER BEOBACHTUNGEN	HOEHE (METER) 00	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	≥ 6.0	MITTLERE HOEHE
JAN.	93	.0	7.5	23.7	32.3	20.4	5.4	4.3	1.1	5.4	.0	.0	.0	.0	.8
FEB.	94	1.1	19.1	44.7	16.0	8.5	7.4	3.2	.0	.0	.0	.0	.0	.0	.6
MAR.															
APR.															
MAI															
JUN.															
JUL.															
AUG.															
SEP.															
OKT.															
NOV.															
DEZ.															
JAHR															

FEUERSCHIFF DEUTSCHE BUCHT 1978

LUFTTEMPERATUR (CELSIUS)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL	STREUUNG	EXTREMTEMPERATUREN MAX.	DATUM	MIN.	DATUM
JAN.	4.2	4.1	4.1	4.0	4.2	4.2	4.3	4.1	4.2	1.5	7.7 AM	1. UM 18 UHR	0.7 AM	5. UM 6 UHR
FEB.	1.3	1.1	1.0	1.2	1.5	1.7	1.5	1.4	1.3	2.6	7.0 AM	26. UM 12 UHR	-3.5 AM	11..19.
MAR.	4.3	4.3	4.3	4.5	4.8	4.9	4.7	4.8	4.6	1.4	8.2 AM	29. UM 15 UHR	.0 AM	17..22.
APR.	5.0	4.9	4.8	5.5	6.0	6.2	5.8	5.4	5.4	1.2	8.5 AM	21..30.	1.8 AM	11. UM 18 UHR
MAI	9.0	9.0	9.0	9.5	10.1	10.4	10.3	9.4	9.6	2.3	17.5 AM	31. UM 12 UHR	4.4 AM	12. UM 12 UHR
JUN.	12.9	12.6	12.7	13.2	13.7	14.1	13.8	13.1	13.3	1.9	19.0 AM	20. UM 15 UHR	9.7 AM	12. UM 6 UHR
JUL.	13.4	13.5	13.5	14.0	14.5	14.9	14.4	13.9	14.0	2.2	20.8 AM	29. UM 15 UHR	10.4 AM	5. UM 3 UHR
AUG.	15.3	15.1	15.1	15.5	15.7	15.7	15.6	15.2	15.4	1.3	18.4 AM	1..15.	12.4 AM	28. UM 9 UHR
SEP.														
OKT.														
NOV.	9.5	9.4	9.3	9.1	9.2	9.1	9.2	9.1	9.2	2.8	13.0 AM	5. UM 18 UHR	2.0 AM	27. UM 15 UHR
DEZ.	3.1	3.1	3.1	3.1	3.2	3.2	3.1	2.9	3.1	3.1	8.6 AM	9. UM 18 UHR	-5.0 AM	31. UM 18 UHR
JAHR														

WASSERTEMPERATUR (CELSIUS) / TEMPERATURDIFFERENZ LUFT MINUS WASSER

MONAT	UHRZEIT 00	06	12	18	MONATS-MITTEL	STREUUNG	MONATS-MITTEL	STREUUNG	EXTREMTEMPERATUREN MAX.	DATUM	MIN.	DATUM
JAN.	5.5	5.4	5.5	5.5	5.5	.4	-1.3	1.4	6.9 AM	1. UM 15 UHR	4.8 AM	28..29..31.
FEB.	3.9	3.8	3.9	3.9	3.9	.4	-2.5	2.5	5.0 AM	2. UM 15 UHR	3.2 AM	8..10.
MAR.	4.0	4.0	4.1	4.1	4.1	.1	.5	1.3	6.6 AM	31. UM 6 UHR	3.8 AM	20..22..23.
APR.	5.6	5.5	5.6	5.7	5.6	.7	-.2	1.2	6.7 AM	23. UM 15 UHR	4.5 AM	1.. 4.. 5.. 6.
MAI	8.4	8.4	8.6	8.8	8.5	1.7	1.0	1.4	14.0 AM	31. UM 15 UHR	6.0 AM	1.. 2.
JUN.	12.9	12.7	12.9	13.3	13.0	1.4	.3	1.6	16.6 AM	20. UM 15 UHR	10.4 AM	1. UM 9 UHR
JUL.	13.9	13.7	14.1	14.2	14.0	1.2	.0	1.4	18.1 AM	28. UM 15 UHR	12.0 AM	1.. 2.. 3.
AUG.	16.1	16.0	16.2	16.3	16.2	.3	-.8	1.2	17.3 AM	8. UM 12 UHR	15.5 AM	1. UM 6 UHR
SEP.												
OKT.												
NOV.	11.5	11.5	11.5	11.4	11.5	.8	-2.2	2.4	12.6 AM	1.. 2.	10.0 AM	28..29..30.
DEZ.	7.3	7.2	7.2	7.1	7.2	1.4	-4.0	2.9	10.0 AM	1. UM 0 UHR	0.0 AM	14. UM 15 UHR
JAHR												

LUFTDRUCK (1000+ MBAR) / BEWOELKUNG (ZEHNTEL)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL	STREUUNG	BEWOELKUNG (ZEHNTEL) UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL
JAN.	9.2	8.9	8.9	8.9	7.8	8.4	9.4	9.2	8.9	13.6	7.9	8.5	8.0	8.9	8.4	9.0	8.7	8.0	8.4
FEB.	10.4	10.0	9.9	10.5	10.6	10.0	10.4	10.5	10.3	10.6	7.9	8.2	7.9	8.2	7.9	8.1	8.7	8.1	8.1
MAR.	7.2	6.8	6.6	7.6	8.0	7.8	7.7	7.7	7.4	10.5	7.7	8.5	8.5	8.4	8.4	8.5	8.1	7.5	8.2
APR.	14.2	14.0	14.1	14.4	14.6	14.1	13.9	14.3	14.2	7.3	7.0	6.9	7.5	7.3	7.3	7.0	7.6	7.7	7.3
MAI	16.4	16.1	16.2	16.8	16.9	16.6	16.5	16.6	16.5	8.2	7.1	7.2	6.5	6.9	6.6	6.3	6.3	6.9	6.7
JUN.	12.4	12.0	12.0	12.5	12.7	12.6	12.4	12.4	12.4	7.1	6.6	7.6	6.5	6.6	7.1	6.9	7.0	6.8	6.9
JUL.	13.7	13.2	13.0	13.3	13.5	13.5	13.4	13.7	13.4	6.8	7.2	7.7	7.5	7.9	7.7	7.1	7.3	7.4	7.5
AUG.	15.5	15.1	14.9	15.7	15.7	15.8	15.5	15.7	15.5	5.6	6.8	6.3	7.5	7.7	7.5	8.0	7.9	7.7	7.4
SEP.																			
OKT.																			
NOV.	21.1	20.9	21.0	21.7	21.7	21.2	21.3	21.2	21.3	7.0	8.4	8.5	8.3	8.7	8.8	8.9	8.1	8.5	8.5
DEZ.	8.4	7.2	7.5	7.5	8.3	8.8	8.2	7.9	8.0	14.6	7.1	7.6	7.8	8.8	8.9	8.5	8.6	8.3	8.2
JAHR																			

ANZAHL DER TAGE MIT :

MONAT	BEAUFORT ≥6	≥8	SCHNEE ODER SCHNEEREGEN	GRAUPEL HAGEL	NEBEL	GEWITTER	NIEDERSCHLAG >MM ≥0.1	≥1.0	≥10.0	NIEDER-SCHLAGS-MENGE RR IN MM	RELATIVE FEUCHTE MONATS-MITTEL
JAN.	24	4	11	3	1	0	20	17	2	81.6	RR
FEB.	14	2	14	0	5	0	8	5	0	12.8	R7
MAR.	19	4	5	4	12	0	24	17	3	114.8	90
APR.	9	0	4	0	7	0	9	9	1	36.2	R4
MAI	7	0	0	0	10	0	9	8	0	26.5	R4
JUN.	11	1	0	0	5	2	13	11	3	63.4	R6
JUL.	9	0	0	0	1	0	18	12	1	61.6	R6
AUG.	11	1	0	0	1	1	18	13	1	58.1	R4
SEP.											
OKT.											
NOV.	21	6	4	4	5	0	16	13	1	57.9	R8
DEZ.	25	7	6	0	2	0	12	9	1	55.5	R7
JAHR											

FEUERSCHIFF DEUTSCHE BUCHT 1978

WINDSTAERKE (KNOTEN)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL
JAN.	19.6	20.1	20.1	19.0	20.0	19.7	20.3	20.0	19.8
FEB.	15.8	15.4	16.1	16.9	16.5	16.3	16.8	16.3	16.2
MAR.	19.4	18.0	18.8	18.7	17.9	18.7	18.3	18.3	18.5
APR.	14.7	14.4	14.2	14.5	14.5	13.7	14.3	15.6	14.5
MAI	11.5	11.4	11.7	11.5	10.8	11.1	11.5	12.1	11.5
JUN.	15.0	15.8	15.2	14.0	14.2	14.5	14.7	14.5	14.7
JUL.	13.6	14.4	14.4	14.6	15.0	14.5	15.0	15.2	14.6
AUG.	14.8	16.6	15.9	16.2	16.6	14.6	15.0	14.5	15.5
SEP.									
OKT.									
NOV.	23.0	22.3	22.0	21.2	20.8	20.5	21.1	22.1	21.6
DEZ.	22.4	23.0	21.9	21.0	21.2	20.7	23.2	23.1	22.1
JAHR									

HAEUFIGKEITEN IN PROZENT

BEAUFORT 0	1 - 3	4 - 5	6 - 7	8 - 9	10-12
.8	11.8	45.7	37.6	4.1	.0
.0	22.3	56.7	20.1	.9	.0
1.2	11.7	58.7	25.5	2.4	.4
1.7	30.0	52.5	15.8	.0	.0
2.0	49.0	41.3	7.7	.0	.0
.4	33.7	45.4	20.0	.4	.0
.8	25.8	61.3	12.1	.0	.0
2.0	21.4	55.6	20.6	.4	.0
.0	5.8	47.5	39.2	7.5	.0
.0	14.2	32.2	39.3	14.2	.0

WINDRICHTUNGEN (GRAD)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL
JAN.	240	229	230	215	221	245	224	232	230
FEB.	131	126	136	138	132	122	123	121	129
MAR.	245	248	247	244	252	256	255	247	249
APR.	51	53	57	59	50	36	30	37	45
MAI	37	46	55	53	46	38	33	35	43
JUN.	286	271	245	260	283	280	296	265	274
JUL.	275	267	265	259	267	264	282	288	271
AUG.	272	271	273	268	274	281	293	283	277
SEP.									
OKT.									
NOV.	245	249	243	240	238	244	243	239	242
DEZ.	120	122	127	127	131	117	107	116	121
JAHR									

HAEUFIGKEITEN IN PROZENT

RICHTUNGEN N	NE	E	SE	S	SW	W	NW	C	HAEUFIGSTE WINDRICHTUNG
8.4	5.4	7.6	10.7	21.1	20.5	19.2	11.3	.8	S
7.1	15.2	22.7	23.1	16.6	12.7	5.1	1.5	.0	SE
4.9	4.3	5.3	6.2	14.1	23.1	23.8	17.3	1.2	W
14.6	15.9	32.2	6.9	1.0	4.2	10.2	13.3	1.7	E
27.8	28.5	27.5	3.9	1.8	.0	2.1	6.2	2.0	NE
8.4	7.5	11.6	4.7	10.3	16.7	21.8	18.6	.4	W
1.6	3.1	9.6	6.1	7.8	15.3	26.3	29.3	.8	NW
3.9	.1	3.1	6.5	8.1	17.5	20.4	38.4	2.0	NW
3.9	7.2	2.5	2.1	9.2	43.3	26.6	4.9	.4	SW
2.7	9.2	32.8	28.9	7.1	13.2	4.9	1.2	.0	E

HAEUFIGKEIT DER WELLENHOEHEN IN PROZENT

MONAT	ANZAHL DER BEOBACHTUNGEN	HOEHE (METER) 00	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	≥ 6.0	MITTLERE HOEHE
JAN.	90	1.1	14.4	24.4	25.6	12.2	8.9	2.2	1.1	5.6	.0	4.4	.0	.0	.9
FEB.	94	7.4	31.9	27.7	21.3	2.1	8.5	1.1	.0	.0	.0	.0	.0	.0	.5
MAR.	137	.7	15.3	33.6	30.7	9.5	7.3	2.2	.0	.7	.0	.0	.0	.0	.7
APR.	147	6.1	32.0	31.3	18.4	6.1	6.1	.0	.0	.0	.0	.0	.0	.0	.5
MAI	161	7.5	55.9	21.7	8.7	5.0	1.2	.0	.0	.0	.0	.0	.0	.0	.4
JUN.	210	7.1	39.0	23.3	10.5	8.6	6.7	2.9	1.9	.0	.0	.0	.0	.0	.5
JUL.	179	6.1	26.8	41.3	11.2	8.9	5.6	.0	.0	.0	.0	.0	.0	.0	.5
AUG.	153	5.9	26.1	29.4	19.6	8.5	7.2	2.6	.7	.0	.0	.0	.0	.0	.6
SEP.															
OKT.															
NOV.	90	.0	13.3	33.3	15.6	8.9	12.2	8.9	4.4	.0	3.3	.0	.0	.0	.8
DEZ.	82.	3.7	18.3	28.0	15.9	12.2	3.7	7.3	7.3	3.7	.0	.0	.0	.0	.8
JAHR															

FEUERSCHIFF WESER 1978

LUFTTEMPERATUR (CELSIUS)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL	STREUUNG
JAN.	3.1	3.0	2.7	2.7	3.3	3.5	3.2	3.1	3.1	1.6
FEB.	.5	.2	-.1	.0	.6	1.4	1.0	.7	.5	2.7
MAR.	4.0	4.0	4.0	4.4	4.9	4.8	4.6	4.5	4.4	1.5
APR.	4.7	4.3	4.2	5.0	5.9	5.9	5.4	4.9	5.0	1.3
MAI	8.5	8.3	8.4	9.1	9.8	10.1	9.8	9.0	9.1	1.9
JUN.	12.7	12.3	12.6	13.3	14.1	14.0	13.5	12.9	13.2	1.6
JUL.	13.7	13.4	13.5	14.3	14.9	15.3	14.9	14.0	14.2	2.2
AUG.	15.5	15.2	15.0	15.8	16.5	16.4	15.9	15.5	15.7	1.6
SEP.										
OKT.										
NOV.	8.1	7.9	8.0	7.9	8.1	8.3	8.2	8.0	8.1	2.7
DEZ.	1.9	1.8	1.8	1.7	2.2	2.2	2.0	1.6	1.9	3.4
JAHR										

EXTREMTEMPERATUREN

MONAT	MAX.	DATUM	MIN.	DATUM
JAN.	6.4 AM 6. UM 9 UHR		-2.0 AM 5. UM 6 UHR	
FEB.	7.6 AM 26. UM 15 UHR		-4.5 AM 16..18.	
MAR.	8.5 AM 29. UM 15 UHR		0.3 AM 17. UM 18 UHR	
APR.	8.7 AM 20. UM 15 UHR		2.0 AM 11. UM 18 UHR	
MAI	14.6 AM 31. UM 15 UHR		3.8 AM 12. UM 9 UHR	
JUN.	18.4 AM 2. UM 12 UHR		10.0 AM 11..12.	
JUL.	22.0 AM 31. UM 15 UHR		10.5 AM 5. UM 12 UHR	
AUG.	21.6 AM 15. UM 15 UHR		12.0 AM 30. UM 15 UHR	
SEP.				
OKT.				
NOV.	11.7 AM 2. UM 15 UHR		1.3 AM 27. UM 15 UHR	
DEZ.	8.0 AM 12. UM 15 UHR		-7.4 AM 31. UM 9 UHR	
JAHR				

WASSERTEMPERATUR (CELSIUS)

MONAT	UHRZEIT 00	06	12	18	MONATS-MITTEL	STREUUNG
JAN.	4.5	4.5	4.5	4.5	4.5	.4
FEB.	2.8	2.7	2.8	2.8	2.8	.5
MAR.	3.7	3.7	3.8	3.8	3.8	.7
APR.	5.3	5.2	5.4	5.4	5.3	.4
MAI	7.9	7.9	8.1	8.2	8.0	1.2
JUN.	12.8	12.6	13.1	13.1	12.9	1.1
JUL.	14.7	14.6	14.9	15.0	14.8	.8
AUG.	16.5	16.4	16.6	16.6	16.5	.5
SEP.						
OKT.						
NOV.	10.6	10.5	10.5	10.5	10.5	.9
DEZ.	6.1	6.2	6.2	6.2	6.2	1.2
JAHR						

TEMPERATURDIFFERENZ LUFT MINUS WASSER

MONAT	MONATS-MITTEL	STREUUNG
JAN.	-1.4	1.5
FEB.	-2.3	2.5
MAR.	-.6	1.2
APR.	-.3	1.1
MAI	1.1	1.3
JUN.	.3	1.9
JUL.	-.6	1.6
AUG.	-.8	1.5
SEP.		
OKT.		
NOV.	-2.4	2.3
DEZ.	-4.3	3.1
JAHR		

EXTREMTEMPERATUREN

MONAT	MAX.	DATUM	MIN.	DATUM
JAN.	5.5 AM 1.. 2.		3.4 AM 31. UM 21 UHR	
FEB.	3.8 AM 4..26.		2.0 AM 19..20..21..22.	
MAR.	5.5 AM 28..30.		2.9 AM 7. UM 6 UHR	
APR.	7.0 AM 19. UM 12 UHR		4.6 AM 7. UM 9 UHR	
MAI	11.3 AM 30. UM 15 UHR		5.7 AM 1. UM 6 UHR	
JUN.	15.8 AM 21. UM 15 UHR		10.5 AM 1. UM 3 UHR	
JUL.	17.2 AM 27..29.		13.9 AM 1..16.	
AUG.	18.1 AM 21. UM 15 UHR		15.5 AM 3.. 5.	
SEP.				
OKT.				
NOV.	11.9 AM 6. UM 15 UHR		7.4 AM 30. UM 18 UHR	
DEZ.	8.9 AM 1.. 2.. 3.		4.1 AM 31. UM 18 UHR	
JAHR				

LUFTDRUCK (1000+ ΔP MBAR)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL	STREUUNG
JAN.	8.8	8.5	8.0	8.5	8.1	7.6	8.0	8.7	8.3	13.4
FEB.	9.8	9.5	9.4	10.0	10.0	9.4	9.6	9.8	9.7	10.5
MAR.	6.9	6.7	6.4	7.1	7.7	7.4	7.4	7.4	7.1	10.3
APR.	13.9	13.5	13.5	14.1	14.1	13.6	13.2	13.7	13.7	7.2
MAI	15.8	15.4	15.5	16.1	16.2	15.8	15.7	16.2	15.8	8.3
JUN.	12.4	12.1	12.1	12.4	12.6	12.3	12.3	12.4	12.3	6.9
JUL.	13.8	13.3	13.1	13.4	13.6	13.5	13.4	13.6	13.5	6.7
AUG.	15.5	15.1	15.1	15.4	15.7	15.7	15.4	15.6	15.4	5.7
SEP.										
OKT.										
NOV.	21.2	20.8	21.1	21.8	21.9	21.2	21.5	21.3	21.4	7.1
DEZ.	7.5	8.3	6.9	7.3	7.4	6.9	7.9	6.6	7.4	14.3
JAHR										

BEWOELKUNG (ZEHNTEL)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL
JAN.	7.6	8.8	8.5	8.9	8.0	8.1	8.1	7.0	8.1
FEB.	7.6	8.3	8.2	7.8	8.2	7.7	8.4	7.3	7.9
MAR.	7.3	7.9	7.9	8.5	7.7	8.3	8.1	7.4	7.9
APR.	6.3	7.1	6.8	6.7	7.0	6.9	6.9	6.3	6.8
MAI	5.9	6.8	5.8	6.2	5.8	5.2	5.7	5.5	5.9
JUN.	6.5	7.1	6.0	6.4	6.6	6.5	6.8	6.5	6.5
JUL.	7.2	8.1	7.8	7.1	7.0	7.2	7.2	7.2	7.4
AUG.	6.3	6.9	6.8	6.7	6.5	6.9	7.2	7.7	6.9
SEP.									
OKT.									
NOV.	8.4	8.8	8.5	9.1	8.7	8.5	8.0	8.1	8.5
DEZ.	7.0	7.4	8.4	8.8	8.8	8.1	8.2	7.3	8.0
JAHR									

ANZAHL DER TAGE MIT :

MONAT	BEAUFORT ≥6	≥8	SCHNEE ODER SCHNEEREGEN	GRAUPEL HAGEL	NEBEL	GEWITTER	NIEDERSCHLAG ≥0.1 MM	≥1.0 MM	≥10.0 MM	NIEDERSCHLAGSMENGE RR IN MM	RELATIVE FEUCHTE MONATSMITTEL
JAN.	21	5	15	1	3	0	19	17	1	66.2	90
FEB.	8	0	12	0	5	0	8	4	0	6.8	90
MAR.	17	3	4	3	10	0	22	17	1	61.6	93
APR.	9	0	4	0	9	0	10	6	0	24.3	90
MAI	7	0	0	0	9	0	10	7	0	21.7	89
JUN.	13	1	0	0	5	4	16	12	0	54.4	85
JUL.	8	0	0	0	1	2	20	15	1	60.7	86
AUG.	13	2	0	0	2	3	19	12	1	72.3	85
SEP.											
OKT.											
NOV.	16	2	4	5	9	0	16	10	0	24.7	92
DEZ.	24	4	8	0	7	0	13	8	3	79.3	89
JAHR											

FEUERSCHIFF WESER 1978

WINDSTAERKE (KNOTEN)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL
JAN.	19.0	18.8	18.2	17.8	18.0	19.6	19.4	18.9	18.7
FEB.	14.3	14.9	15.4	15.5	15.1	14.7	15.9	15.1	15.1
MAR.	17.7	17.7	17.9	17.5	16.2	17.5	17.2	17.4	17.4
APR.	14.9	14.5	15.0	15.0	13.9	14.6	15.5	15.9	14.9
MAI	12.6	12.2	11.6	12.0	12.5	12.8	13.8	13.1	12.6
JUN.	14.4	14.7	15.4	14.8	15.0	14.9	15.7	14.8	15.0
JUL.	12.2	14.0	14.6	14.4	14.2	14.2	14.7	14.4	14.1
AUG.	15.3	16.0	15.2	15.8	15.0	14.0	14.7	14.5	15.1
SEP.									
OKT.									
NOV.	19.3	19.5	19.6	19.0	17.5	18.0	18.5	19.3	18.8
DEZ.	20.4	20.8	20.2	19.6	19.4	19.5	20.6	20.7	20.2
JAHR									

HAEUFIGKEITEN IN PROZENT

MONAT	BEAUFORT 0	1 - 3	4 - 5	6 - 7	8 - 9	10-12
JAN.	.0	12.1	54.0	29.4	4.4	.0
FEB.	1.3	24.6	60.7	13.4	.0	.0
MAR.	.4	14.5	60.9	21.8	2.0	.4
APR.	.4	30.4	53.3	15.8	.0	.0
MAI	.4	37.5	54.0	8.1	.0	.0
JUN.	.8	34.2	42.5	22.1	.4	.0
JUL.	2.0	20.6	66.1	11.3	.0	.0
AUG.	.8	22.2	58.5	17.7	.8	.0
SEP.						
OKT.						
NOV.	.0	17.1	41.3	40.4	1.3	.0
DEZ.	.0	20.2	35.9	34.7	9.3	.0
JAHR						

WINDRICHTUNGEN (GRAD)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL
JAN.	212	211	206	223	219	212	203	204	211
FEB.	133	140	149	135	144	136	129	121	136
MAR.	257	262	261	255	270	279	270	266	265
APR.	63	70	79	78	83	56	50	59	67
MAI	52	63	69	70	51	40	41	40	53
JUN.	268	271	242	254	311	306	309	291	288
JUL.	265	268	268	280	283	314	303	292	284
AUG.	283	277	273	276	276	292	301	297	285
SEP.									
OKT.									
NOV.	228	234	235	237	231	231	228	229	232
DEZ.	130	142	146	142	137	135	129	125	135
JAHR									

HAEUFIGKEITEN IN PROZENT

MONAT	RICHTUNGEN N	NE	E	SE	S	SW	W	NW	C	HAEUFIGSTE WINDRICHTUNG
JAN.	10.5	4.5	2.7	13.7	24.5	22.5	14.3	6.9	.4	S
FEB.	1.2	10.7	25.3	22.1	17.7	12.3	6.6	.0	4.0	E
MAR.	10.1	4.9	4.8	6.6	9.0	18.1	31.5	13.4	1.6	W
APR.	11.5	16.1	36.3	11.1	2.8	1.4	7.6	9.5	3.8	E
MAI	21.7	28.5	36.6	2.2	2.8	.5	1.3	4.3	2.0	E
JUN.	11.6	5.9	12.6	5.4	8.4	13.9	21.3	17.6	3.3	W
JUL.	4.2	4.2	8.3	6.5	5.5	13.2	21.7	31.6	4.8	NW
AUG.	11.8	.1	3.5	5.3	9.3	13.6	23.0	31.8	1.6	NW
SEP.										
OKT.										
NOV.	5.1	5.6	3.2	2.5	14.7	43.5	23.3	2.0	.0	SW
DEZ.	.4	6.9	26.8	35.7	8.8	14.1	5.2	.1	2.0	SE
JAHR										

HAEUFIGKEIT DER WELLENHOEHEN IN PROZENT

MONAT	ANZAHL DER BEOBACHTUNGEN	HOEHE (METER) 00	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	≥ 6.0	MITTLERE HOEHE
JAN.	246	.0	19.9	48.0	21.5	5.3	3.3	2.0	.0	.0	.0	.0	.0	.0	.6
FEB.	222	2.7	41.9	39.6	14.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.4
MAR.	248	4.0	30.6	33.1	23.4	5.2	3.2	.0	.4	.0	.0	.0	.0	.0	.5
APR.	240	4.6	40.4	42.5	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
MAI	247	4.9	64.0	24.3	6.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
JUN.	239	8.4	41.4	22.6	16.3	5.4	5.9	.0	.0	.0	.0	.0	.0	.0	.5
JUL.	246	5.7	35.0	34.6	16.3	8.1	.4	.0	.0	.0	.0	.0	.0	.0	.5
AUG.	248	3.2	41.1	29.4	11.3	8.5	4.4	2.0	.0	.0	.0	.0	.0	.0	.5
SEP.															
OKT.															
NOV.	240	.0	33.7	21.3	19.6	17.9	7.1	.4	.0	.0	.0	.0	.0	.0	.6
DEZ.	238	.8	25.6	40.8	22.7	3.4	6.7	.0	.0	.0	.0	.0	.0	.0	.6
JAHR															

FEUERSCHIFF ELBE 1 1978

LUFTTEMPERATUR (CELSIUS)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL	STREUUNG
JAN.	3.3	3.4	3.1	2.9	3.3	3.6	3.2	3.3	3.3	1.6
FEB.	.5	.4	.2	.1	.6	1.2	1.0	.7	.6	2.6
MAR.	4.1	3.9	3.9	4.1	4.5	4.6	4.6	4.3	4.3	1.5
APR.	4.8	4.5	4.4	4.9	5.8	6.0	5.6	5.0	5.1	1.3
MAI	9.1	8.7	8.8	9.6	10.5	10.8	10.5	9.7	9.7	2.4
JUN.	13.0	12.7	12.9	13.8	14.6	14.5	14.0	13.3	13.6	1.9
JUL.	13.9	13.7	13.8	14.3	15.3	15.5	15.2	14.3	14.5	2.3
AUG.	15.6	15.3	15.4	15.8	16.6	16.8	16.3	15.6	15.9	1.6
SEP.	13.4	13.5	13.4	13.7	14.0	14.0	13.7	13.6	13.6	1.4
OKT.	11.7	11.8	11.7	11.9	12.1	12.3	12.2	11.9	11.9	1.7
NOV.	8.7	8.7	8.3	8.5	8.5	8.5	8.6	8.3	8.5	2.8
DEZ.	2.1	2.2	2.0	1.8	2.1	2.4	2.1	1.9	2.1	3.6
JAHR	8.3	8.2	8.2	8.5	9.0	9.2	8.9	8.5	8.6	2.1

EXTREMTEMPERATUREN

MAX.	DATUM	MIN.	DATUM
9.5 AM	16. UM 6 UHR	-0.6 AM	5. UM 3 UHR
7.0 AM	25. UM 15 UHR	-4.1 AM	16. UM 12 UHR
9.5 AM	30. UM 12 UHR	.0 AM	17..22.
10.4 AM	18. UM 12 UHR	1.0 AM	12. UM 3 UHR
16.8 AM	31. UM 15 UHR	4.0 AM	12. UM 9 UHR
21.3 AM	2. UM 12 UHR	10.0 AM	12. UM 6 UHR
21.9 AM	28. UM 12 UHR	11.5 AM	5..16..17.
21.7 AM	21. UM 12 UHR	11.3 AM	30. UM 12 UHR
17.3 AM	10. UM 18 UHR	9.9 AM	27..30.
14.8 AM	11. UM 15 UHR	7.8 AM	2. UM 6 UHR
12.5 AM	2. UM 15 UHR	1.2 AM	28. UM 15 UHR
9.1 AM	10. UM 0 UHR	-7.2 AM	31. UM 21 UHR

WASSERTEMPERATUR (CELSIUS)

MONAT	UHRZEIT 00	06	12	18	MONATS-MITTEL	STREUUNG
JAN.	4.3	4.3	4.3	4.3	4.3	.4
FEB.	3.1	3.1	3.1	3.1	3.1	.5
MAR.	3.5	3.5	3.6	3.7	3.6	.4
APR.	5.2	5.2	5.3	5.5	5.3	.6
MAI	7.8	7.8	8.1	8.3	8.0	1.5
JUN.	13.2	12.8	13.7	13.2	13.3	1.2
JUL.	14.4	14.3	14.6	14.7	14.5	.9
AUG.	16.4	16.5	16.6	16.7	16.6	.7
SEP.	14.5	14.5	14.5	14.5	14.5	.8
OKT.	12.4	12.2	12.4	12.3	12.4	1.0
NOV.	10.8	10.7	10.7	10.6	10.7	.9
DEZ.	6.7	6.7	6.7	6.6	6.7	1.3
JAHR	9.4	9.3	9.5	9.5	9.4	.9

TEMPERATURDIFFERENZ LUFT MINUS WASSER

MONATS-MITTEL	STREUUNG
-1.1	1.5
-2.5	2.6
.7	1.3
-.2	1.2
1.7	1.6
-.0	1.7
-.7	1.6
-.9	1.2
-.4	1.6
-2.2	2.3
-4.6	3.1
-.8	1.8

EXTREMTEMPERATUREN

MAX.	DATUM	MIN.	DATUM
5.5 AM	2.. 3.	3.2 AM	14..15.
4.3 AM	1. UM 3 UHR	2.0 AM	14..20..23.
5.2 AM	29. UM 15 UHR	2.6 AM	6. UM 12 UHR
7.2 AM	16. UM 15 UHR	3.0 AM	11. UM 21 UHR
12.5 AM	31. UM 18 UHR	5.4 AM	1.. 2.
16.2 AM	20. UM 15 UHR	9.9 AM	1. UM 3 UHR
18.4 AM	27. UM 15 UHR	13.1 AM	1.. 3.. 4.. 5.
18.0 AM	6..22.	11.4 AM	30. UM 0 UHR
16.2 AM	8. UM 15 UHR	12.8 AM	5. UM 0 UHR
14.0 AM	8. UM 9 UHR	10.0 AM	27. UM 6 UHR
12.1 AM	6. UM 21 UHR	7.8 AM	30. UM 9 UHR
9.0 AM	2. UM 9 UHR	2.3 AM	31. UM 15 UHR

LUFTDRUCK (1000+ hPa MBAR)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL	STREUUNG
JAN.	9.3	9.1	8.7	9.0	8.7	8.2	8.7	9.3	8.9	13.2
FEB.	10.5	10.1	10.1	10.6	10.7	10.1	10.3	10.5	10.4	10.4
MAR.	7.4	6.9	6.7	7.6	8.1	8.0	8.0	7.9	7.6	10.2
APR.	14.4	14.1	14.3	14.6	14.6	14.2	14.0	14.3	14.3	7.1
MAI	16.2	16.0	16.2	16.6	16.6	16.4	16.3	16.7	16.4	8.2
JUN.	12.8	12.4	12.3	12.7	13.0	12.9	12.6	12.7	12.7	6.9
JUL.	14.0	13.6	13.3	13.7	13.8	13.8	13.6	13.9	13.7	6.7
AUG.	15.8	15.4	15.2	15.7	16.0	16.0	15.7	15.9	15.7	5.6
SEP.	12.0	11.5	11.1	11.4	11.6	11.6	11.9	12.3	11.7	6.6
OKT.	19.4	19.3	19.2	19.8	19.8	19.5	19.9	20.3	19.7	5.8
NOV.	21.4	21.1	21.2	21.8	21.9	21.5	21.5	21.4	21.5	7.0
DEZ.	8.5	8.0	8.8	8.6	8.0	7.3	8.6	8.8	8.3	14.0
JAHR	13.5	13.1	13.1	13.5	13.6	13.3	13.4	13.7	13.4	8.5

BEWOELKUNG (ZEHNTEL)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL
JAN.	6.7	8.1	8.1	8.6	7.9	7.5	8.3	7.1	7.8
FEB.	6.9	7.8	7.2	7.9	7.7	7.5	7.3	7.0	7.4
MAR.	6.8	7.1	8.5	9.0	7.9	8.1	7.5	7.1	7.7
APR.	6.3	6.1	7.0	6.9	7.2	7.0	7.1	6.4	6.7
MAI	5.2	5.7	5.9	5.7	5.3	4.4	4.8	4.2	5.2
JUN.	6.5	6.6	5.9	5.5	5.9	6.0	6.4	6.3	6.1
JUL.	7.7	7.5	7.3	7.3	6.8	6.4	6.4	7.2	7.1
AUG.	6.6	6.4	6.9	7.0	6.2	6.4	7.2	7.2	6.7
SEP.	6.0	6.7	8.5	8.1	8.0	7.7	7.1	6.0	7.3
OKT.	6.5	7.1	7.7	7.5	7.7	7.3	6.9	5.9	7.1
NOV.	8.5	8.7	9.2	8.8	8.8	8.5	8.0	8.2	8.6
DEZ.	6.8	6.7	7.7	8.5	9.0	8.1	7.8	7.5	7.8
JAHR	6.7	7.0	7.5	7.6	7.4	7.1	7.1	6.7	7.1

ANZAHL DER TAGE MIT :

MONAT	BEAUFORT ≥6	≥8	SCHNEE ODER SCHNEEREGEN	GRAUPEL HAGEL	NEBEL	GEWITTER	NIEDERSCHLAG .MM ≥0.1	≥1.0	≥10.0	NIEDERSCHLAGSMENGE RR IN MM	RELATIVE FEUCHTE MONATSMITTEL
JAN.	21	5	14	4	2	0	20	18	1	66.5	87
FEB.	12	1	14	0	5	0	10	6	0	15.8	85
MAR.	15	3	5	2	10	0	26	19	2	86.7	90
APR.	10	0	2	0	8	0	9	7	1	27.2	86
MAI	8	0	0	0	6	0	9	5	0	18.6	87
JUN.	10	1	0	0	3	2	14	12	1	50.3	86
JUL.	10	0	0	0	1	0	17	11	0	49.5	84
AUG.	10	0	0	0	1	1	17	12	2	62.3	82
SEP.	24	3	0	2	0	3	26	22	2	108.3	83
OKT.	14	1	0	0	3	0	16	13	1	46.6	85
NOV.	17	5	5	2	6	0	14	9	3	65.8	89
DEZ.	22	4	7	0	4	0	10	9	1	42.9	86
JAHR	173	23	47	10	49	6	188	143	14	640.5	86

FEUERSCHIFF ELBE 1 1978

WINDSTAERKE (KNOTEN)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL
JAN.	18.4	18.4	18.5	18.0	18.7	19.0	19.9	18.9	18.7
FEB.	14.6	14.6	15.9	15.3	15.4	14.9	16.4	16.7	15.5
MAR.	17.4	17.3	18.3	17.4	16.1	16.5	16.4	16.7	17.0
APR.	14.8	14.7	14.1	14.8	14.1	15.0	15.5	16.4	14.9
MAI	13.2	12.8	12.3	11.3	11.6	13.4	13.9	13.6	12.8
JUN.	14.9	14.4	14.6	13.8	13.0	14.6	14.1	14.3	14.2
JUL.	12.8	13.4	13.9	14.5	13.9	13.9	14.3	13.2	13.7
AUG.	14.8	15.6	15.7	15.0	14.6	13.2	13.7	13.4	14.5
SEP.	18.5	19.3	20.2	19.8	20.3	21.0	20.2	19.4	19.8
OKT.	16.0	16.1	16.8	16.1	17.3	16.1	17.4	17.3	16.6
NOV.	19.4	20.2	20.6	19.7	18.8	18.8	19.7	20.1	19.7
DEZ.	19.5	20.5	18.7	18.9	19.5	19.7	19.7	20.6	19.6
JAHR	16.2	16.4	16.6	16.2	16.1	16.3	16.8	16.7	16.4

HAEUFIGKEITEN IN PROZENT

BEAUFORT 0	1 - 3	4 - 5	6 - 7	8 - 9	10-12
1.2	10.1	58.1	27.0	3.6	.0
.0	21.4	63.8	14.3	.4	.0
.0	16.1	60.9	21.8	.8	.4
.4	30.4	53.8	15.4	.0	.0
.4	35.1	56.5	8.1	.0	.0
2.9	32.9	45.0	18.8	.4	.0
2.0	28.2	59.3	10.5	.0	.0
3.7	25.2	56.1	15.0	.0	.0
.8	13.3	41.3	42.1	2.5	.0
.0	21.8	53.2	24.6	.4	.0
.0	10.8	51.3	35.8	2.1	.0
.0	15.3	44.8	36.3	3.6	.0
1.0	21.7	53.7	22.5	1.2	.0

WINDRICHTUNGEN (GRAD)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL
JAN.	203	218	204	207	208	207	201	202	206
FEB.	122	112	127	125	126	109	103	102	116
MAR.	230	235	237	232	246	246	243	239	239
APR.	43	48	57	66	61	18	16	29	40
MAI	37	49	55	55	36	17	23	31	37
JUN.	280	261	261	247	277	298	298	281	276
JUL.	276	269	260	262	267	263	291	292	272
AUG.	269	271	271	267	267	278	282	276	273
SEP.	278	272	267	269	274	284	287	280	276
OKT.	255	242	243	242	241	251	255	253	247
NOV.	229	234	231	226	228	232	231	226	230
DEZ.	120	119	125	118	121	118	110	117	119
JAHR	248	243	228	224	242	272	286	272	251

HAEUFIGKEITEN IN PROZENT

RICHTUNGEN N	NE	E	SE	S	SW	W	NW	C	HAEUFIGSTE WINDRICHTUNG
7.6	3.4	4.4	19.9	18.0	24.0	11.6	9.9	1.2	SW
7.3	16.6	23.0	23.5	14.5	11.5	2.7	.9	.0	SE
4.5	3.3	8.1	6.7	18.0	21.8	21.4	16.2	.0	SW
15.2	16.1	35.5	1.7	2.4	4.9	8.8	14.2	1.3	E
28.3	34.5	19.9	3.5	2.5	.9	2.1	7.9	.4	NE
8.1	5.5	12.6	4.3	11.6	14.5	21.7	18.9	2.9	W
.8	2.7	9.8	7.2	6.6	13.8	28.4	28.3	2.4	W
4.9	.5	2.3	6.1	8.9	17.7	24.9	31.0	3.7	NW
2.6	1.4	3.9	3.9	4.4	17.0	34.6	31.6	.8	W
3.2	1.0	7.5	9.9	14.7	17.3	28.3	18.0	.0	W
3.2	8.8	1.6	3.6	13.0	50.0	17.2	2.6	.0	SW
1.7	8.1	42.4	22.8	8.1	12.7	4.0	.4	.0	E
7.3	8.5	14.2	9.4	10.2	17.1	17.1	15.0	1.1	SW

HAEUFIGKEIT DER WELLENHOEHEN IN PROZENT

MONAT	ANZAHL DER BEOBACHTUNGEN	HOEHE (METER) 00	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	≥ 6.0	MITTLERE HOEHE
JAN.	216	.9	28.2	27.8	22.7	10.2	4.6	2.8	.5	.9	.5	.9	.0	.0	.6
FEB.	186	1.6	40.3	40.9	15.1	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.4
MAR.	229	1.7	42.4	20.1	18.3	10.5	2.6	2.2	.9	.0	.0	.4	.9	.0	.6
APR.	220	3.2	50.9	32.3	12.3	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.4
MAI	232	8.6	69.4	14.7	7.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
JUN.	233	15.5	40.3	14.6	8.2	12.4	3.0	3.4	1.7	.9	.0	.0	.0	.0	.5
JUL.	233	6.9	47.6	16.7	13.7	7.7	3.9	3.0	.0	.4	.0	.0	.0	.0	.5
AUG.	223	5.4	42.2	17.5	16.1	6.7	5.4	3.1	3.6	.0	.0	.0	.0	.0	.6
SEP.	228	2.6	11.8	15.8	26.8	12.7	11.0	8.8	3.9	2.6	.9	3.1	.0	.0	.9
OKT.	237	1.3	39.7	21.9	14.8	7.2	8.4	5.5	1.3	.0	.0	.0	.0	.0	.6
NOV.	229	.0	32.8	14.4	12.2	8.7	10.9	14.8	3.5	2.6	.0	.0	.0	.0	.8
DEZ.	233	1.7	34.3	29.2	20.6	9.0	3.4	1.7	.0	.0	.0	.0	.0	.0	.5
JAHR	2699	4.1	40.0	22.1	15.7	7.4	4.4	3.8	1.3	.6	.1	.4	.1	.0	.6

LEUCHTTURM KIEL 1978

LUFTTEMPERATUR (CELSIUS)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL	STREUUNG
JAN.			2.1	2.0	2.4	2.7	2.4		2.3	1.5
FEB.			-.9	-.5	.4	.6	.3		-.0	2.7
MAR.			2.3	2.8	3.5	3.8	3.5		3.2	2.5
APR.			3.5	4.2	4.7	5.2	4.8		4.5	1.3
MAI			8.5	9.4	10.3	10.9	10.7		10.0	3.6
JUN.			13.8	14.9	15.9	16.1	15.8		15.3	2.6
JUL.			13.8	14.8	16.1	16.3	15.8		15.3	2.4
AUG.			15.2	16.3	17.4	17.9	17.4		16.8	2.1
SEP.			12.5	13.2	13.9	14.1	13.4		13.4	1.7
OKT.			10.4	11.0	12.0	12.1	11.6		11.4	2.0
NOV.			8.1	8.1	8.7	8.7	8.1		8.3	2.8
DEZ.			1.7	1.7	2.0	2.3	2.4		2.0	2.9
JAHR			7.6	8.2	8.9	9.2	8.8		8.5	2.4

EXTREMTEMPERATUREN

MONAT	MAX.	DATUM	MIN.	DATUM
JAN.	6.2 AM	1. UM 18 UHR	-1.6 AM	5. UM 12 UHR
FEB.	7.9 AM	27. UM 15 UHR	-6.1 AM	20. UM 6 UHR
MAR.	9.6 AM	29. UM 12 UHR	-4.4 AM	22. UM 6 UHR
APR.	8.5 AM	15. UM 15 UHR	1.9 AM	6. UM 6 UHR
MAI	19.5 AM	29. UM 18 UHR	4.3 AM	10. UM 18 UHR
JUN.	21.0 AM	2. UM 15 UHR	9.5 AM	12. UM 6 UHR
JUL.	21.4 AM	29. UM 15 UHR	10.8 AM	21. UM 6 UHR
AUG.	23.4 AM	15. UM 15 UHR	11.9 AM	30. UM 6 UHR
SEP.	17.2 AM	10. UM 15 UHR	9.0 AM	29. UM 6 UHR
OKT.	19.1 AM	12. UM 12 UHR	6.7 AM	21. UM 6 UHR
NOV.	11.9 AM	4. UM 15 UHR	1.2 AM	28. UM 6 UHR
DEZ.	7.6 AM	13. UM 12 UHR	-4.4 AM	8. UM 6 UHR

WASSERTEMPERATUR (CELSIUS)

MONAT	UHRZEIT 00	06	12	18	MONATS-MITTEL	STREUUNG
JAN.	3.3	3.3	3.3	3.3	.6	
FEB.	1.0	1.0	1.0	1.0	1.0	
MAR.	1.6	1.7	1.8	1.7	.6	
APR.	4.0	4.1	4.2	4.1	.6	
MAI	8.0	8.4	8.6	8.3	2.8	
JUN.	14.5	14.7	14.9	14.7	1.1	
JUL.	14.6	14.7	14.9	14.7	.9	
AUG.	16.8	16.8	16.9	16.8	.6	
SEP.	13.8	13.9	13.8	13.8	.9	
OKT.	11.5	11.5	11.5	11.5	.8	
NOV.	9.6	9.6	9.6	9.6	.7	
DEZ.	5.0	5.0	4.9	5.0	1.3	
JAHR	8.6	8.7	8.8	8.7	1.0	

TEMPERATURDIFFERENZ LUFT MINUS WASSER

MONAT	MONATS-MITTEL	STREUUNG
JAN.	-1.0	1.5
FEB.	-1.0	2.7
MAR.	1.5	2.3
APR.	.4	1.1
MAI	1.7	1.5
JUN.	.6	2.1
JUL.	.6	1.9
AUG.	.0	1.9
SEP.	-.4	1.4
OKT.	-.1	1.8
NOV.	-1.3	2.4
DEZ.	-3.0	2.6
JAHR	-.2	1.9

EXTREMTEMPERATUREN

MONAT	MAX.	DATUM	MIN.	DATUM
JAN.	4.6 AM	2. UM 12 UHR	2.5 AM	27..28..29..30..31.
FEB.	2.5 AM	1.. 2.. 3.	-1.8 AM	20. UM 9 UHR
MAR.	4.2 AM	31. UM 15 UHR	1.0 AM	1.. 2.. 3.
APR.	5.5 AM	17. UM 15 UHR	3.0 AM	3.. 4.
MAI	15.0 AM	30. UM 18 UHR	4.3 AM	2. UM 6 UHR
JUN.	17.1 AM	7. UM 18 UHR	13.0 AM	29. UM 9 UHR
JUL.	17.5 AM	31. UM 6 UHR	13.0 AM	3. UM 9 UHR
AUG.	18.1 AM	21. UM 18 UHR	15.4 AM	30..31.
SEP.	15.5 AM	1. UM 12 UHR	12.4 AM	30. UM 6 UHR
OKT.	12.6 AM	12. UM 15 UHR	9.7 AM	27. UM 6 UHR
NOV.	10.5 AN	11 TAGEN	7.5 AM	30. UM 9 UHR
DEZ.	7.4 AM	1. UM 6 UHR	2.3 AM	31. UM 15 UHR

LUFTDRUCK (1000+ ΔP MBAR)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL	STREUUNG
JAN.			9.8	10.8	10.5	10.1	11.3		10.5	12.6
FEB.			12.8	13.4	12.8	12.6	12.8		12.9	9.7
MAR.			8.4	9.2	9.4	9.3	9.5		9.1	9.9
APR.			16.3	16.8	16.7	16.1	15.8		16.4	6.9
MAI			18.6	19.2	19.0	18.7	18.4		18.8	7.8
JUN.			14.1	14.3	14.3	13.9	14.1		14.2	6.5
JUL.			15.4	15.7	15.4	15.4	15.3		15.4	6.5
AUG.			16.6	16.7	16.8	16.4	16.6		16.6	5.4
SEP.			11.6	11.9	11.8	11.7	12.0		11.8	6.4
OKT.			20.4	21.0	20.8	20.4	20.8		20.7	6.4
NOV.			22.3	23.2	23.2	22.9	23.0		22.9	7.1
DEZ.			9.9	10.6	10.3	9.8	9.9		10.1	14.8
JAHR			14.7	15.2	15.1	14.8	15.0		14.9	8.3

BEWOELKUNG (ZEHNTEL)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL
JAN.			8.3	9.3	9.0	9.4	8.8		8.9
FEB.			8.8	8.8	8.5	8.5	8.8		8.7
MAR.			9.4	8.6	8.8	8.8	8.5		8.8
APR.			7.5	8.0	8.2	8.5	8.0		8.1
MAI			7.0	6.8	6.0	6.8	6.8		6.7
JUN.			6.7	6.8	6.7	7.1	7.0		6.9
JUL.			8.3	7.7	8.0	7.7	7.5		7.9
AUG.			7.0	7.5	7.7	7.5	6.9		7.3
SEP.			8.1	8.2	8.4	8.0	8.1		8.1
OKT.			8.5	8.0	8.3	7.6	7.6		8.0
NOV.			8.8	8.9	8.4	8.3	8.2		8.5
DEZ.			8.0	8.6	8.8	8.8	8.1		8.5
JAHR			8.1	8.1	8.1	8.1	7.8		8.0

ANZAHL DER TAGE MIT :

MONAT	BEAUFORT ≥6	≥8	SCHNEE ODER SCHNEEREGEN	GRAUPEL HAGEL	NEBEL	GEWITTER	NIEDERSCHLAG ≥0.1 mm	≥1.0 mm	≥10.0 mm	NIEDERSCHLAGSMENGE RR IN MM	RELATIVE FEUCHTE MONATSMITTEL
JAN.	13	2	9	1	5	0					90
FEB.	7	1	12	0	5	0					87
MAR.	13	1	6	0	9	0					88
APR.	9	0	1	0	8	0					86
MAI	5	0	0	0	2	0					81
JUN.	6	0	0	0	0	0					78
JUL.	2	0	0	0	1	1					79
AUG.	8	0	0	0	1	0					82
SEP.	16	2	0	1	1	1					81
OKT.	10	0	0	1	5	0					84
NOV.	13	1	4	1	6	0					85
DEZ.	16	5	6	1	5	0					84
JAHR	118	12	38	5	48	2					84

LEUCHTTURM KIEL 1978

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WINDSTAERKE (KNOTEN)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL
JAN.			15.2	15.6	15.2	15.2	17.4		15.7
FEB.			13.5	14.4	13.9	13.3	14.4		13.9
MAR.			16.0	15.2	15.8	15.6	15.5		15.6
APR.			12.9	13.2	12.9	14.6	14.8		13.7
MAI			11.5	10.9	10.5	10.9	10.6		10.9
JUN.			12.4	11.2	12.5	13.8	13.0		12.6
JUL.			11.8	12.3	12.7	13.2	12.3		12.4
AUG.			13.1	12.8	12.6	16.0	14.5		13.8
SEP.			16.5	18.6	18.7	19.1	19.3		18.4
OKT.			14.4	15.1	15.7	16.4	16.1		15.5
NOV.			18.3	17.7	17.6	17.3	16.6		17.5
DEZ.			18.7	18.3	18.0	18.6	19.4		18.6
JAHR			14.5	14.6	14.7	15.3	15.3		14.9

HAEUFIGKEITEN IN PROZENT

	BEAUFORT 0	1 - 3	4 - 5	6 - 7	8 - 9	10-12
JAN.	.0	16.1	65.8	15.5	2.6	.0
FEB.	.0	32.1	54.3	12.9	.7	.0
MAR.	1.9	18.7	59.4	19.4	.6	.0
APR.	.7	36.7	44.7	18.0	.0	.0
MAI	1.3	49.7	43.2	5.8	.0	.0
JUN.	3.3	38.7	49.3	8.7	.0	.0
JUL.	.0	33.7	64.2	2.1	.0	.0
AUG.	.0	32.9	53.5	13.5	.0	.0
SEP.	.0	15.3	51.3	31.3	2.0	.0
OKT.	.0	29.0	50.3	20.6	.0	.0
NOV.	.0	18.7	52.7	28.0	.7	.0
DEZ.	.0	18.1	46.5	26.5	9.0	.0
JAHR	.6	28.3	52.9	14.9	1.3	.0

WINDRICHTUNGEN (GRAD)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL
JAN.			216	209	207	204	207		209
FEB.			121	121	150	110	110		122
MAR.			212	227	234	230	228		225
APR.			94	73	64	70	92		77
MAI			61	66	63	75	84		70
JUN.			244	231	208	167	177		230
JUL.			226	222	217	213	209		220
AUG.			269	277	282	286	287		280
SEP.			267	277	274	281	274		274
OKT.			241	241	251	258	253		248
NOV.			240	239	243	247	239		242
DEZ.			128	124	142	121	123		128
JAHR			224	222	224	223	200		219

HAEUFIGKEITEN IN PROZENT

	RICHTUNGEN N	NE	E	SE	S	SW	W	NW	C	HAEUFIGSTE WINDRICHTUNG
JAN.	2.1	2.7	5.2	21.1	13.9	31.1	13.9	10.0	.0	SW
FEB.	1.1	20.0	22.7	18.9	12.1	15.5	7.5	2.1	.0	E
MAR.	2.3	2.7	12.4	6.8	17.1	25.2	17.4	14.2	1.9	SW
APR.	4.3	14.8	45.5	5.2	1.8	8.5	12.2	7.0	.7	E
MAI	10.6	24.4	53.1	4.7	1.1	.6	.0	4.2	1.3	E
JUN.	2.0	3.5	23.8	6.2	8.3	16.2	27.7	9.0	3.3	W
JUL.	1.1	.3	24.2	7.1	10.0	21.6	25.8	10.0	.0	W
AUG.	5.5	4.4	7.1	3.4	5.0	17.4	28.4	28.9	.0	NW
SEP.	4.0	2.3	3.8	3.7	5.3	15.5	43.3	22.0	.0	W
OKT.	.0	.6	7.6	9.0	9.7	21.1	38.2	13.7	.0	W
NOV.	1.8	6.7	2.0	1.0	10.0	48.8	25.5	4.2	.0	SW
DEZ.	.5	13.2	20.2	35.8	8.9	12.4	7.1	1.9	.0	SE
JAHR	2.9	8.0	19.0	10.2	8.6	19.5	20.6	10.4	.6	W

HAEUFIGKEIT DER WELLENHOEHEN IN PROZENT

MONAT	ANZAHL DER BEOBACHTUNGEN	00	0.5	1.0	1.5	HOEHE (METER) 2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	≥ 6.0	MITTLERE HOEHE
JAN.	154	1.9	83.8	13.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
FEB.	138	36.2	43.5	11.6	8.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
MAR.	155	14.2	76.1	9.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
APR.	150	38.0	40.7	7.3	14.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
MAI	154	42.9	47.4	8.4	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
JUN.	150	40.0	44.0	10.7	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
JUL.	101	30.7	59.4	9.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
AUG.	151	17.9	65.6	16.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
SEP.	150	8.0	70.7	20.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
OKT.	154	11.7	68.8	18.8	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.3
NOV.	149	1.3	71.1	27.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
DEZ.	151	5.3	53.0	29.1	10.6	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
JAHR	1757	20.7	60.3	15.3	3.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3

FEUERSCHIFF FEHMARNBELT 1978

LUFTTEMPERATUR (CELSIUS)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL	STREUUNG
JAN.	2.2	2.4	2.4	2.3	2.5	2.4	2.3	2.2	2.3	1.4
FEB.	-.4	-.7	-.8	-.5	-.2	.2	-.1	-.3	-.3	2.0
MAR.	2.5	2.3	2.3	2.5	2.9	3.4	2.9	2.8	2.7	2.1
APR.	3.7	3.5	3.6	4.4	4.9	5.1	4.6	4.1	4.2	1.4
MAI	8.6	8.2	8.7	10.0	11.0	11.3	10.4	9.5	9.7	3.6
JUN.	14.1	13.6	14.1	14.7	15.6	16.1	15.5	14.7	14.8	2.3
JUL.	14.0	13.6	13.8	14.6	15.1	16.0	15.4	14.6	14.6	2.3
AUG.	15.6	15.1	15.2	16.1	16.9	17.1	16.7	15.9	16.1	1.9
SEP.	12.8	12.6	12.5	13.1	13.9	14.1	13.2	12.8	13.1	1.5
OKT.	10.4	10.3	10.2	10.6	11.1	11.2	11.0	10.6	10.7	1.7
NOV.	7.9	7.7	7.8	7.8	8.0	7.9	7.7	7.6	7.8	2.8
DEZ.	1.8	1.5	1.5	1.6	1.8	2.3	2.2	1.9	1.8	2.9
JAHR	7.8	7.5	7.6	8.1	8.6	8.9	8.5	8.0	8.1	2.1

EXTREMTEMPERATUREN

MONAT	MAX.	DATUM	MIN.	DATUM
JAN.	6.3 AM	2. UM 3 UHR	-2.0 AM	5. UM 0 UHR
FEB.	6.0 AM	28. UM 15 UHR	-4.7 AM	17. UM 3 UHR
MAR.	8.3 AM	28. UM 15 UHR	-3.0 AM	19. UM 12 UHR
APR.	8.7 AM	8. UM 15 UHR	0.7 AM	6. UM 6 UHR
MAI	19.5 AM	31. UM 12 UHR	3.0 AM	11. UM 0 UHR
JUN.	21.6 AM	6. UM 12 UHR	9.8 AM	12. UM 6 UHR
JUL.	22.0 AM	28. UM 15 UHR	10.5 AM	8. UM 3 UHR
AUG.	22.4 AM	15. UM 15 UHR	11.5 AM	30. UM 3 UHR
SEP.	16.6 AM	11. UM 12 UHR	9.0 AM	29..30.
OKT.	14.5 AM	9. UM 12 UHR	5.4 AM	22. UM 0 UHR
NOV.	11.3 AM	19. UM 12 UHR	1.0 AM	28. UM 6 UHR
DEZ.	6.8 AM	13. UM 15 UHR	-5.8 AM	31. UM 0 UHR

WASSERTEMPERATUR (CELSIUS)

MONAT	UHRZEIT 00	06	12	18	MONATS-MITTEL	STREUUNG
JAN.	3.3	3.3	3.4	3.3	3.3	.7
FEB.	1.2	1.1	1.1	1.2	1.1	.7
MAR.	1.9	1.9	1.9	2.0	1.9	.5
APR.	4.2	4.1	4.2	4.4	4.2	.9
MAI	7.8	7.8	8.4	8.6	8.2	3.0
JUN.	15.0	14.7	15.1	15.2	15.0	1.5
JUL.	15.1	14.9	15.1	15.3	15.1	1.1
AUG.	16.3	16.1	16.5	16.6	16.4	1.2
SEP.	13.7	13.6	13.6	13.7	13.6	.9
OKT.	11.1	11.1	11.2	11.2	11.1	.6
NOV.	9.3	9.3	9.3	9.3	9.3	.8
DEZ.	5.1	4.9	5.0	5.0	5.0	1.4
JAHR	8.7	8.6	8.7	8.8	8.7	1.1

TEMPERATURDIFFERENZ LUFT MINUS WASSER

MONAT	MONATS-MITTEL	STREUUNG
JAN.	-1.0	1.3
FEB.	-1.5	2.0
MAR.	.7	1.9
APR.	.0	1.2
MAI	1.5	1.6
JUN.	-.2	1.7
JUL.	-.4	1.5
AUG.	-.3	1.7
SEP.	-.5	1.2
OKT.	-.5	1.5
NOV.	-1.5	2.2
DEZ.	-3.1	2.6
JAHR	-.6	1.7

EXTREMTEMPERATUREN

MONAT	MAX.	DATUM	MIN.	DATUM
JAN.	4.8 AM	3. UM 9 UHR	2.1 AM	30. UM 3 UHR
FEB.	2.3 AM	1.. 2.	-0.7 AM	20. UM 9 UHR
MAR.	3.5 AM	29. UM 15 UHR	1.0 AM	1.. 2.. 3.
APR.	6.0 AM	18. UM 15 UHR	2.5 AM	5.. 6.
MAI	16.5 AM	31. UM 15 UHR	3.8 AM	1.. 2.
JUN.	20.3 AM	6. UM 18 UHR	11.4 AM	12. UM 18 UHR
JUL.	18.6 AM	29. UM 21 UHR	13.0 AM	16..17.
AUG.	19.0 AM	22. UM 15 UHR	12.4 AM	3. UM 21 UHR
SEP.	15.7 AM	1. UM 0 UHR	11.6 AM	30. UM 18 UHR
OKT.	12.3 AM	6..12.	9.5 AM	27. UM 6 UHR
NOV.	10.5 AM	1. UM 12 UHR	6.9 AM	29..30.
DEZ.	7.3 AM	3. UM 12 UHR	1.2 AM	31. UM 6 UHR

LUFTDRUCK (1000+ ΔP MBAR)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL	STREUUNG
JAN.	9.1	8.9	8.5	8.9	8.8	8.2	8.3	8.8	8.7	12.2
FEB.	11.0	10.8	10.7	11.1	11.3	10.8	10.9	11.0	11.0	9.5
MAR.	7.0	6.4	6.5	6.8	7.2	6.9	7.1	7.5	6.9	9.4
APR.	14.6	14.2	14.3	14.8	14.9	14.4	14.2	14.5	14.5	6.7
MAI	16.5	16.3	16.4	14.9	16.8	16.5	16.3	16.8	16.6	7.5
JUN.	12.1	11.7	11.6	11.9	11.9	11.7	11.3	11.7	11.8	6.4
JUL.	12.9	12.6	12.6	13.0	13.0	12.8	12.6	12.8	12.8	6.6
AUG.	14.3	14.0	13.9	14.2	14.2	14.0	13.7	13.8	14.0	5.3
SEP.	9.8	9.4	9.2	9.4	9.4	9.2	9.3	10.0	9.5	6.4
OKT.	18.4	18.1	18.1	18.6	18.6	18.0	18.3	18.8	18.4	6.4
NOV.	20.6	20.1	20.0	20.8	21.1	20.9	20.7	20.7	20.6	7.4
DEZ.	11.0	10.2	9.6	9.9	10.0	10.0	10.1	10.1	10.1	13.7
JAHR	13.1	12.7	12.6	13.0	13.1	12.8	12.7	13.1	12.9	8.1

BEWOELKUNG (ZEHNTEL)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL
JAN.	7.9	8.5	7.2	8.3	8.5	8.7	7.6	8.5	8.2
FEB.	7.5	8.1	8.3	8.3	7.9	7.6	7.6	7.7	7.9
MAR.	6.6	7.3	8.8	7.8	8.2	7.9	8.1	6.7	7.7
APR.	6.7	7.0	7.3	7.5	7.5	7.5	7.1	6.2	7.1
MAI	4.7	4.6	5.3	5.7	5.7	5.6	5.8	6.0	5.4
JUN.	6.1	6.5	6.1	6.0	5.7	5.6	6.2	6.4	6.1
JUL.	6.9	8.5	8.1	7.3	7.5	6.8	6.7	7.2	7.4
AUG.	5.9	6.0	6.6	6.0	6.2	5.9	6.5	6.6	6.2
SEP.	6.5	6.6	8.0	7.6	7.6	7.6	7.9	7.6	7.4
OKT.	6.1	6.2	7.4	7.9	7.7	7.6	7.3	6.7	7.1
NOV.	8.8	8.5	8.5	8.5	8.3	8.7	7.5	8.0	8.3
DEZ.	8.2	8.5	7.7	8.5	9.0	8.5	8.4	9.0	8.5
JAHR	6.8	7.2	7.5	7.4	7.5	7.3	7.2	7.2	7.3

ANZAHL DER TAGE MIT :

MONAT	BEAUFORT ≥6	≥8	SCHNEE ODER SCHNEEREGEN	GRAUPEL HAGEL	NEBEL	GEWITTER	NIEDERSCHLAG ≥0.1 mm	≥1.0 mm	≥10.0 mm	NIEDERSCHLAGSMENGE QR IN MM	RELATIVE FEUCHTE MONATSMITTEL
JAN.	21	3	16	0	5	0	15	8	0	25.5	87
FEB.	10	0	20	0	7	0	5	1	1	11.4	86
MAR.	16	0	7	1	10	0	24	19	0	50.7	89
APR.	12	1	2	0	5	0	8	4	0	8.7	84
MAI	9	0	1	1	1	1	9	4	0	9.9	80
JUN.	11	1	0	0	1	1	13	9	1	56.3	80
JUL.	15	0	0	0	0	2	15	11	4	82.0	82
AUG.	13	1	0	0	2	2	16	12	0	33.1	83
SEP.	24	4	0	0	2	1	21	16	3	83.7	84
OKT.	15	3	0	1	6	0	15	9	0	28.1	89
NOV.	16	0	3	3	6	0	12	6	1	35.0	90
DEZ.	20	5	8	1	3	0	12	8	1	37.3	86
JAHR	182	18	57	7	48	7	165	107	11	460.8	85

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WINDSTAERKE (KNOTEN)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL
JAN.	17.8	17.2	17.4	18.1	17.5	17.9	18.1	19.1	17.9
FEB.	15.1	14.7	15.4	14.7	15.3	15.3	15.6	15.8	15.2
MAR.	16.6	17.6	17.8	17.1	16.2	15.6	16.7	16.7	16.8
APR.	15.2	15.3	15.8	15.1	15.8	14.8	15.4	16.1	15.4
MAI	14.3	13.3	12.3	12.0	13.9	13.5	13.8	13.8	13.4
JUN.	14.5	13.9	14.1	13.2	14.4	14.5	15.0	15.2	14.4
JUL.	14.9	15.0	15.7	15.7	15.9	14.5	15.4	15.2	15.3
AUG.	16.4	16.7	16.3	15.6	14.5	15.8	17.3	16.6	16.1
SEP.	20.6	20.0	18.7	19.0	18.8	19.3	20.9	20.1	19.7
OKT.	17.5	17.5	17.5	16.7	17.0	17.0	17.4	17.4	17.2
NOV.	20.2	19.3	19.4	19.4	19.9	17.6	18.6	18.6	19.1
DEZ.	20.0	20.4	20.5	19.9	18.4	18.4	19.9	20.0	19.7
JAHR	16.9	16.7	16.7	16.4	16.5	16.2	17.0	17.1	16.7

HAEUFIGKEITEN IN PROZENT

BEAUFORT 0	1 - 3	4 - 5	6 - 7	8 - 9	10-12
1.6	10.5	58.9	27.4	1.6	.0
.9	24.6	58.5	16.1	.0	.0
1.6	15.7	63.7	19.0	.0	.0
2.9	27.1	46.2	23.3	.4	.0
2.8	32.3	52.4	12.5	.0	.0
1.3	40.8	38.7	17.9	1.3	.0
2.8	23.8	51.6	21.8	.0	.0
.4	16.5	63.7	19.0	.4	.0
.4	15.0	42.9	38.7	2.9	.0
.0	21.8	50.0	26.2	2.0	.0
.0	9.6	52.5	37.9	.0	.0
.4	12.2	51.0	29.8	6.5	.0
1.3	20.8	52.5	24.1	1.3	.0

WINDRICHTUNGEN (GRAD)

MONAT	UHRZEIT 00	03	06	09	12	15	18	21	MONATS-MITTEL
JAN.	211	202	203	206	207	194	190	200	202
FEB.	95	80	107	118	133	111	84	82	100
MAR.	208	203	206	208	218	212	198	197	206
APR.	77	85	85	93	99	87	111	80	89
MAI	83	69	64	80	103	105	104	88	87
JUN.	212	217	221	245	219	211	244	198	221
JUL.	260	263	260	253	239	249	260	265	256
AUG.	295	292	283	276	276	273	290	291	285
SEP.	277	270	276	278	265	273	276	273	274
OKT.	255	256	245	239	243	244	255	254	249
NOV.	228	235	237	238	242	239	227	235	235
DEZ.	113	111	113	117	116	106	108	110	112
JAHR	218	226	222	220	216	212	215	205	217

HAEUFIGKEITEN IN PROZENT

RICHTUNGEN N	NE	E	SE	S	SW	W	NW	C	HAEUFIGSTE WINDRICHTUNG
4.0	1.3	4.4	19.7	22.4	19.3	19.0	8.4	1.6	S
10.6	15.2	24.0	19.9	9.8	5.9	12.5	1.2	.9	E
3.9	2.4	13.8	11.8	19.8	16.7	21.9	8.1	1.6	W
5.3	7.8	43.2	7.4	3.9	6.5	19.1	4.0	2.9	E
2.4	13.4	51.2	11.1	2.8	2.2	10.7	3.3	2.8	E
3.9	1.3	16.7	12.3	13.6	13.1	26.7	11.2	1.3	W
2.2	.7	13.7	5.5	9.6	10.1	45.9	9.5	2.8	W
9.1	.6	9.1	6.5	4.9	11.0	33.2	26.3	.4	W
3.5	1.7	5.7	4.2	5.7	10.0	49.4	19.4	.4	W
1.9	.6	10.2	9.5	10.5	12.2	42.5	12.6	.0	W
5.9	4.2	2.2	.6	12.5	41.6	31.0	2.0	.0	SW
4.9	9.6	37.8	24.1	8.0	6.9	6.6	1.7	.4	E
4.8	4.9	19.2	11.0	10.3	13.0	26.5	9.0	1.3	W

HAEUFIGKEIT DER WELLENHOEHEN IN PROZENT

MONAT	ANZAHL DER BEOBACHTUNGEN	HOEHE (METER) 00	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	≥ 6.0	MITTLERE HOEHE
JAN.	163	7.4	42.3	31.9	16.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.4
FEB.	162	12.3	54.3	21.0	7.4	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.3
MAR.	195	20.5	34.9	30.8	6.7	4.6	2.6	.0	.0	.0	.0	.0	.0	.0	.4
APR.	200	30.0	32.0	16.5	11.0	9.5	1.0	.0	.0	.0	.0	.0	.0	.0	.4
MAI	221	35.3	38.5	12.7	9.5	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.3
JUN.	228	33.8	32.9	21.1	7.5	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.3
JUL.	221	17.2	46.2	21.3	12.7	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.3
AUG.	210	15.7	43.3	20.0	11.9	6.7	2.4	.0	.0	.0	.0	.0	.0	.0	.4
SEP.	198	13.1	20.2	28.3	16.7	13.6	6.1	2.0	.0	.0	.0	.0	.0	.0	.6
OKT.	182	21.4	28.0	17.6	12.6	14.8	4.9	.5	.0	.0	.0	.0	.0	.0	.5
NOV.	166	5.4	28.3	15.7	27.7	22.3	.6	.0	.0	.0	.0	.0	.0	.0	.6
DEZ.	169	10.1	29.6	23.7	10.1	12.4	7.7	5.9	.6	.0	.0	.0	.0	.0	.6
JAHR	2315	18.5	35.9	21.7	12.5	8.6	2.1	.7	.0	.0	.0	.0	.0	.0	.4