

**DECKBLATT**

	Projekt	PSP-Element	Obj. Kenn.	Aufgabe	UA	Lfd. Nr.	Rev.
	N A A N	NNNNNNNNNN	NNNNNN	X A A X X	A A	NNNN	NN
EU 472	9K	-	---	LQA	BV	0001	00
<b>Titel der Unterlage:</b> Meteorologische Daten der Wetterstation Konrad 1 für den Zeitraum 1985 - 1990					<b>Seite:</b> I.		
					<b>Stand:</b> 07.05.93		
<b>Ersteller:</b> BfS/ <span style="background-color: black; color: black;">XXXXXXXXXX</span>					<b>Textnummer:</b>		

Stempelfeld:

PSP-Element TP.....:

zu Plan-Kapitel: 3.1.7

PL

19.05.93



Freigabe für Behörden

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19.05.93



Freigabe im Projekt

Diese Unterlage unterliegt samt Inhalt dem Schutz des Urheberrechts sowie der Pflicht zur vertraulichen Behandlung auch bei Beförderung und Vernichtung und darf vom Empfänger nur auftragsbezogen genutzt, vervielfältigt und Dritten zugänglich gemacht werden. Eine andere Verwendung und Weitergabe bedarf der ausdrücklichen Zustimmung des BfS.



Meteorologische Daten der Wetterstation Konrad 1  
für den Zeitraum 1985 - 1990

- 3-parametrische Statistiken der Häufigkeitsverteilung  $P_{i,j,m}^{\tau}$  gemäß Gl. (4.4) der AVV zu § 45 StrlSchV zur Berechnung von  $\bar{\chi}_i^{\tau}(x)$ , getrennt für Sommerhalbjahre und Ganzjahre.
  
- Häufigkeitsverteilung von Niederschlag (und Windrichtung) in den 12 Windrichtungssektoren in Prozent und Niederschlagsmenge zur Berechnung von  $J_i^{\tau}$  für die Ermittlung von  $\bar{w}_i^{\tau}(x)$  gemäß Gl. (4.17) der AVV zu § 45 StrlSchV, getrennt für Sommerhalbjahre und Ganzjahre.

Häufigkeit der Wettersituationen (absolute Zahl der Fälle) bei den unterschiedlichen Windgeschwindigkeitsstufen ( $v_G$  in m/s) und Diffusionskategorien A - F auf der Basis von 10-min-Mittelwerten für die 12 Windrichtungssektoren (Sektor 1: 345°-15°, Sektor 2: 15°-45°, usw.).  
Zeitraum 1985 - 1990 (Sommerhalbjahresstatistik) der meteorologischen Station Konrad 1

## Sektor 1

$v_G$	A	B	C	D	E	F
0- 1	64.0	39.0	47.0	91.0	30.0	243.0
1- 2	317.0	104.0	134.0	210.0	110.0	417.0
2- 3	254.0	123.0	163.0	193.0	173.0	348.0
3- 5	76.0	94.0	201.0	425.0	125.0	161.0
5- 7	.0	11.0	55.0	123.0	9.0	.0
7- 9	.0	10.0	.0	25.0	.0	.0
9-12	.0	1.0	.0	18.0	.0	.0
12-15	.0	.0	.0	.0	.0	.0
15-18	.0	.0	.0	.0	.0	.0
>18	.0	.0	.0	.0	.0	.0

## Sektor 2

$v_G$	A	B	C	D	E	F
0- 1	61.0	37.0	64.0	86.0	42.0	367.0
1- 2	246.0	75.0	101.0	141.0	91.0	482.0
2- 3	168.0	68.0	111.0	136.0	137.0	373.0
3- 5	57.0	82.0	192.0	296.0	114.0	346.0
5- 7	.0	10.0	40.0	130.0	12.0	.0
7- 9	.0	24.0	.0	76.0	.0	.0
9-12	.0	4.0	.0	34.0	.0	.0
12-15	.0	.0	.0	.0	.0	.0
15-18	.0	.0	.0	.0	.0	.0
>18	.0	.0	.0	.0	.0	.0

## Sektor 3

$v_G$	A	B	C	D	E	F
0- 1	62.0	59.0	80.0	75.0	23.0	346.0
1- 2	299.0	110.0	139.0	164.0	132.0	601.0
2- 3	274.0	140.0	160.0	240.0	245.0	691.0
3- 5	162.0	188.0	351.0	577.0	214.0	674.0
5- 7	.0	91.0	169.0	291.0	51.0	.0
7- 9	.0	76.0	.0	161.0	.0	.0
9-12	.0	10.0	.0	74.0	.0	.0
12-15	.0	.0	.0	1.0	.0	.0
15-18	.0	.0	.0	.0	.0	.0
>18	.0	.0	.0	.0	.0	.0

## Sektor 4

v <sub>G</sub>	A	B	C	D	E	F
0- 1	92.0	87.0	87.0	123.0	31.0	362.0
1- 2	350.0	161.0	170.0	244.0	113.0	937.0
2- 3	327.0	206.0	198.0	199.0	213.0	752.0
3- 5	213.0	338.0	424.0	566.0	255.0	613.0
5- 7	.0	217.0	515.0	614.0	86.0	.0
7- 9	.0	355.0	.0	355.0	.0	.0
9-12	.0	41.0	.0	76.0	.0	.0
12-15	.0	.0	.0	1.0	.0	.0
15-18	.0	.0	.0	.0	.0	.0
>18	.0	.0	.0	.0	.0	.0

## Sektor 5

v <sub>G</sub>	A	B	C	D	E	F
0- 1	62.0	72.0	88.0	148.0	45.0	471.0
1- 2	269.0	204.0	188.0	295.0	157.0	1383.0
2- 3	205.0	273.0	291.0	332.0	283.0	1432.0
3- 5	167.0	459.0	673.0	762.0	515.0	1297.0
5- 7	.0	291.0	597.0	890.0	271.0	.0
7- 9	.0	332.0	.0	293.0	.0	.0
9-12	.0	22.0	.0	38.0	.0	.0
12-15	.0	.0	.0	1.0	.0	.0
15-18	.0	.0	.0	.0	.0	.0
>18	.0	.0	.0	.0	.0	.0

## Sektor 6

v <sub>G</sub>	A	B	C	D	E	F
0- 1	57.0	69.0	67.0	146.0	55.0	674.0
1- 2	145.0	92.0	105.0	245.0	149.0	1974.0
2- 3	99.0	86.0	70.0	122.0	140.0	799.0
3- 5	36.0	47.0	100.0	198.0	152.0	224.0
5- 7	.0	11.0	31.0	137.0	16.0	.0
7- 9	.0	19.0	.0	60.0	.0	.0
9-12	.0	1.0	.0	13.0	.0	.0
12-15	.0	.0	.0	.0	.0	.0
15-18	.0	.0	.0	.0	.0	.0
>18	.0	.0	.0	.0	.0	.0

## Sektor 7

v <sub>G</sub>	A	B	C	D	E	F
0- 1	44.0	42.0	63.0	96.0	42.0	503.0
1- 2	138.0	55.0	52.0	115.0	84.0	1098.0
2- 3	61.0	53.0	75.0	86.0	145.0	518.0
3- 5	25.0	42.0	121.0	229.0	193.0	206.0
5- 7	.0	17.0	84.0	224.0	30.0	.0
7- 9	.0	30.0	.0	135.0	.0	.0
9-12	.0	6.0	.0	63.0	.0	.0
12-15	.0	.0	.0	16.0	.0	.0
15-18	.0	.0	.0	.0	.0	.0
>18	.0	.0	.0	.0	.0	.0

## Sektor 8

v <sub>G</sub>	A	B	C	D	E	F
0- 1	60.0	55.0	62.0	112.0	44.0	430.0
1- 2	175.0	102.0	112.0	195.0	113.0	993.0
2- 3	172.0	168.0	235.0	364.0	449.0	1126.0
3- 5	198.0	483.0	1207.0	1786.0	1175.0	1698.0
5- 7	.0	289.0	1150.0	2634.0	416.0	.0
7- 9	.0	477.0	.0	1569.0	.0	.0
9-12	.0	77.0	.0	748.0	.0	.0
12-15	.0	.0	.0	108.0	.0	.0
15-18	.0	.0	.0	6.0	.0	.0
>18	.0	.0	.0	.0	.0	.0

## Sektor 9

v <sub>G</sub>	A	B	C	D	E	F
0- 1	63.0	55.0	71.0	121.0	34.0	434.0
1- 2	293.0	135.0	157.0	264.0	190.0	1382.0
2- 3	275.0	319.0	442.0	564.0	729.0	1925.0
3- 5	290.0	605.0	1686.0	2093.0	1326.0	1825.0
5- 7	.0	446.0	1700.0	2527.0	309.0	.0
7- 9	.0	549.0	.0	1214.0	.0	.0
9-12	.0	66.0	.0	597.0	.0	.0
12-15	.0	.0	.0	88.0	.0	.0
15-18	.0	.0	.0	12.0	.0	.0
>18	.0	.0	.0	4.0	.0	.0

Sektor 10

v <sub>G</sub>	A	B	C	D	E	F
0- 1	62.0	52.0	61.0	106.0	34.0	332.0
1- 2	366.0	148.0	142.0	278.0	180.0	860.0
2- 3	352.0	342.0	410.0	599.0	774.0	1567.0
3- 5	314.0	682.0	1639.0	2746.0	1609.0	2275.0
5- 7	.0	494.0	2141.0	3163.0	302.0	.0
7- 9	.0	1239.0	.0	2107.0	.0	.0
9-12	.0	305.0	.0	1417.0	.0	.0
12-15	.0	.0	.0	282.0	.0	.0
15-18	.0	.0	.0	37.0	.0	.0
>18	.0	.0	.0	17.0	.0	.0

Sektor 11

v <sub>G</sub>	A	B	C	D	E	F
0- 1	53.0	40.0	75.0	112.0	42.0	221.0
1- 2	376.0	149.0	142.0	243.0	118.0	636.0
2- 3	353.0	291.0	296.0	379.0	343.0	848.0
3- 5	282.0	584.0	1398.0	1489.0	687.0	784.0
5- 7	.0	246.0	1095.0	1345.0	138.0	.0
7- 9	.0	335.0	.0	896.0	.0	.0
9-12	.0	68.0	.0	466.0	.0	.0
12-15	.0	.0	.0	147.0	.0	.0
15-18	.0	.0	.0	6.0	.0	.0
>18	.0	.0	.0	.0	.0	.0

Sektor 12

v <sub>G</sub>	A	B	C	D	E	F
0- 1	66.0	53.0	59.0	93.0	33.0	223.0
1- 2	425.0	122.0	134.0	186.0	98.0	412.0
2- 3	298.0	151.0	177.0	233.0	162.0	479.0
3- 5	160.0	224.0	447.0	511.0	223.0	444.0
5- 7	.0	33.0	198.0	254.0	38.0	.0
7- 9	.0	24.0	.0	98.0	.0	.0
9-12	.0	6.0	.0	47.0	.0	.0
12-15	.0	.0	.0	10.0	.0	.0
15-18	.0	.0	.0	.0	.0	.0
>18	.0	.0	.0	.0	.0	.0

Häufigkeitsverteilung von Windrichtung  
 und Niederschlag in den 12 Sektoren:  
 Sommerhalbjahre 1985 - 1990

Sektor	Windrose Prozent	Niederschlagsrose Prozent
1	2.94	3.77
2	2.78	3.68
3	4.77	3.72
4	6.41	1.73
5	8.93	4.84
6	4.32	4.39
7	3.29	4.18
8	14.42	12.24
9	16.48	17.70
10	19.00	23.46
11	10.10	14.93
12	4.21	5.36

Calmen: 2.35%

Niederschlag: 1486 mm



Häufigkeit der Wettersituationen (absolute Zahl der Fälle) bei den unterschiedlichen Windgeschwindigkeitsstufen ( $v_G$  in m/s) und Diffusionskategorien A -F auf der Basis von 10-min-Mittelwerten für die 12 Windrichtungssektoren (Sektor 1: 345°-15°, Sektor 2: 15°-45°, usw.).  
Zeitraum 1985 - 1990 (Ganzjahresstatistik) der meteorologischen Station Konrad 1

## Sektor 1

$v_G$	A	B	C	D	E	F
0- 1	81.0	65.0	73.0	168.0	114.0	407.0
1- 2	397.0	149.0	192.0	381.0	263.0	635.0
2- 3	285.0	157.0	208.0	426.0	371.0	560.0
3- 5	78.0	113.0	335.0	1023.0	296.0	314.0
5- 7	.0	12.0	92.0	450.0	18.0	.0
7- 9	.0	19.0	.0	165.0	.0	.0
9-12	.0	1.0	.0	47.0	.0	.0
12-15	.0	.0	.0	.0	.0	.0
15-18	.0	.0	.0	.0	.0	.0
>18	.0	.0	.0	.0	.0	.0

## Sektor 2

$v_G$	A	B	C	D	E	F
0- 1	84.0	60.0	92.0	197.0	116.0	544.0
1- 2	309.0	106.0	144.0	323.0	281.0	738.0
2- 3	196.0	103.0	157.0	330.0	314.0	578.0
3- 5	66.0	110.0	314.0	977.0	244.0	574.0
5- 7	.0	10.0	77.0	672.0	36.0	.0
7- 9	.0	28.0	.0	186.0	.0	.0
9-12	.0	4.0	.0	71.0	.0	.0
12-15	.0	.0	.0	.0	.0	.0
15-18	.0	.0	.0	.0	.0	.0
>18	.0	.0	.0	.0	.0	.0

## Sektor 3

$v_G$	A	B	C	D	E	F
0- 1	88.0	108.0	118.0	223.0	107.0	570.0
1- 2	343.0	153.0	216.0	493.0	351.0	945.0
2- 3	299.0	198.0	233.0	636.0	500.0	1113.0
3- 5	169.0	256.0	624.0	2165.0	546.0	1400.0
5- 7	.0	130.0	407.0	1828.0	200.0	.0
7- 9	.0	143.0	.0	712.0	.0	.0
9-12	.0	15.0	.0	284.0	.0	.0
12-15	.0	.0	.0	2.0	.0	.0
15-18	.0	.0	.0	.0	.0	.0
>18	.0	.0	.0	.0	.0	.0

## Sektor 4

v <sub>G</sub>	A	B	C	D	E	F
0- 1	111.0	137.0	131.0	298.0	156.0	600.0
1- 2	448.0	251.0	281.0	641.0	410.0	1557.0
2- 3	383.0	273.0	351.0	692.0	536.0	1348.0
3- 5	226.0	443.0	695.0	1884.0	667.0	1071.0
5- 7	.0	240.0	704.0	2000.0	202.0	.0
7- 9	.0	460.0	.0	1340.0	.0	.0
9-12	.0	49.0	.0	850.0	.0	.0
12-15	.0	.0	.0	79.0	.0	.0
15-18	.0	.0	.0	1.0	.0	.0
>18	.0	.0	.0	.0	.0	.0

## Sektor 5

v <sub>G</sub>	A	B	C	D	E	F
0- 1	79.0	101.0	140.0	262.0	137.0	826.0
1- 2	311.0	257.0	301.0	687.0	523.0	2430.0
2- 3	255.0	373.0	470.0	931.0	750.0	2645.0
3- 5	188.0	581.0	1164.0	2816.0	1128.0	2551.0
5- 7	.0	314.0	855.0	2071.0	515.0	.0
7- 9	.0	372.0	.0	744.0	.0	.0
9-12	.0	29.0	.0	256.0	.0	.0
12-15	.0	.0	.0	34.0	.0	.0
15-18	.0	.0	.0	1.0	.0	.0
>18	.0	.0	.0	.0	.0	.0

## Sektor 6

v <sub>G</sub>	A	B	C	D	E	F
0- 1	68.0	83.0	108.0	244.0	159.0	1121.0
1- 2	161.0	123.0	168.0	493.0	365.0	3250.0
2- 3	115.0	113.0	131.0	336.0	316.0	1597.0
3- 5	49.0	68.0	203.0	657.0	396.0	641.0
5- 7	.0	11.0	38.0	406.0	40.0	.0
7- 9	.0	19.0	.0	122.0	.0	.0
9-12	.0	1.0	.0	14.0	.0	.0
12-15	.0	.0	.0	1.0	.0	.0
15-18	.0	.0	.0	.0	.0	.0
>18	.0	.0	.0	.0	.0	.0

Sektor 7

v <sub>G</sub>	A	B	C	D	E	F
0- 1	49.0	50.0	90.0	154.0	169.0	882.0
1- 2	161.0	75.0	86.0	247.0	210.0	1916.0
2- 3	66.0	71.0	107.0	192.0	271.0	1092.0
3- 5	28.0	74.0	194.0	505.0	329.0	590.0
5- 7	.0	23.0	151.0	641.0	99.0	.0
7- 9	.0	62.0	.0	441.0	.0	.0
9-12	.0	13.0	.0	187.0	.0	.0
12-15	.0	.0	.0	32.0	.0	.0
15-18	.0	.0	.0	1.0	.0	.0
>18	.0	.0	.0	.0	.0	.0

Sektor 8

v <sub>G</sub>	A	B	C	D	E	F
0- 1	69.0	68.0	90.0	186.0	156.0	775.0
1- 2	194.0	130.0	177.0	469.0	263.0	1775.0
2- 3	193.0	202.0	367.0	800.0	761.0	2048.0
3- 5	224.0	630.0	1910.0	4356.0	2103.0	3801.0
5- 7	.0	342.0	2095.0	8571.0	1295.0	.0
7- 9	.0	804.0	.0	7298.0	.0	.0
9-12	.0	114.0	.0	4250.0	.0	.0
12-15	.0	.0	.0	1001.0	.0	.0
15-18	.0	.0	.0	84.0	.0	.0
>18	.0	.0	.0	4.0	.0	.0

Sektor 9

v <sub>G</sub>	A	B	C	D	E	F
0- 1	76.0	76.0	103.0	222.0	98.0	706.0
1- 2	323.0	157.0	221.0	586.0	439.0	2068.0
2- 3	315.0	395.0	599.0	1245.0	1180.0	3027.0
3- 5	304.0	762.0	2399.0	5556.0	2283.0	3709.0
5- 7	.0	463.0	2348.0	8376.0	1058.0	.0
7- 9	.0	753.0	.0	5510.0	.0	.0
9-12	.0	106.0	.0	3420.0	.0	.0
12-15	.0	.0	.0	606.0	.0	.0
15-18	.0	.0	.0	150.0	.0	.0
>18	.0	.0	.0	49.0	.0	.0

Sektor 10

v <sub>G</sub>	A	B	C	D	E	F
0- 1	88.0	78.0	88.0	228.0	97.0	549.0
1- 2	451.0	207.0	195.0	501.0	342.0	1155.0
2- 3	417.0	420.0	520.0	1144.0	1081.0	1944.0
3- 5	330.0	843.0	2033.0	4993.0	2137.0	3298.0
5- 7	.0	537.0	2521.0	6773.0	575.0	.0
7- 9	.0	1436.0	.0	6052.0	.0	.0
9-12	.0	365.0	.0	5393.0	.0	.0
12-15	.0	.0	.0	2003.0	.0	.0
15-18	.0	.0	.0	338.0	.0	.0
>18	.0	.0	.0	135.0	.0	.0

Sektor 11

v <sub>G</sub>	A	B	C	D	E	F
0- 1	85.0	71.0	106.0	187.0	102.0	388.0
1- 2	460.0	205.0	206.0	433.0	263.0	813.0
2- 3	410.0	349.0	378.0	744.0	574.0	1125.0
3- 5	301.0	670.0	1756.0	2876.0	927.0	1194.0
5- 7	.0	278.0	1410.0	3214.0	330.0	.0
7- 9	.0	518.0	.0	2422.0	.0	.0
9-12	.0	89.0	.0	1425.0	.0	.0
12-15	.0	.0	.0	353.0	.0	.0
15-18	.0	.0	.0	50.0	.0	.0
>18	.0	.0	.0	9.0	.0	.0

Sektor 12

v <sub>G</sub>	A	B	C	D	E	F
0- 1	86.0	77.0	84.0	176.0	86.0	355.0
1- 2	529.0	187.0	200.0	342.0	245.0	617.0
2- 3	358.0	208.0	236.0	449.0	319.0	704.0
3- 5	172.0	294.0	608.0	1196.0	408.0	717.0
5- 7	.0	51.0	270.0	894.0	78.0	.0
7- 9	.0	44.0	.0	414.0	.0	.0
9-12	.0	22.0	.0	182.0	.0	.0
12-15	.0	.0	.0	22.0	.0	.0
15-18	.0	.0	.0	2.0	.0	.0
>18	.0	.0	.0	.0	.0	.0

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Häufigkeitsverteilung von Windrichtung  
und Niederschlag in den 12 Sektoren:  
Ganzjahre 1985 - 1990

Sektor	Windrose Prozent	Niederschlagsrose Prozent
1	2.81	4.00
2	2.80	4.05
3	5.46	4.43
4	6.84	3.86
5	8.68	5.31
6	4.04	3.76
7	3.30	3.41
8	16.90	12.73
9	17.61	16.81
10	17.16	23.81
11	8.55	13.03
12	3.76	4.92

Calmen: 2.1%

Niederschlag: 2773,2 mm