



Koninklijk Nederlands
Meteorologisch Instituut
Ministerie van Verkeer en Waterstaat

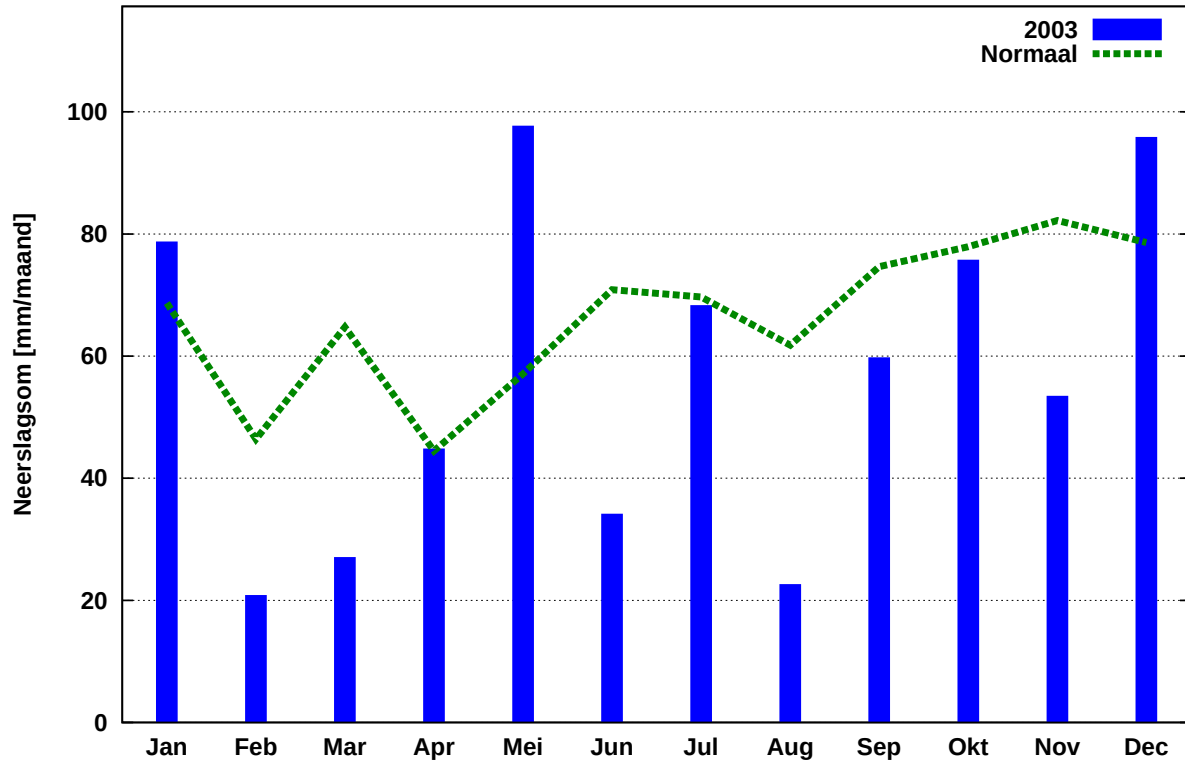
Jaaroverzicht neerslag en verdamping in Nederland

2003



Landelijk gemiddelde maandelijkse neerslagsom in 2003 (gebaseerd op 326 stations)

Jaarsom: 679.5 mm Normaal: 797.1 mm



In het Jaaroverzicht neerslag en verdamping in Nederland (JONV) zijn maandelijkse en jaarlijkse gegevens van neerslag, verdamping, potentieel neerslagoverschot en sneeuwdagen opgenomen. De metingen worden verricht op ca. 325 KNMI-neerslagstations en 25 KNMI meteorologische stations, alwaar uit metingen van temperatuur en straling de referentie-gewasverdamping wordt berekend. Het JONV is ruim 75 jaar uitgegeven als KNMI-periodiek en wordt sinds 2009 verspreid via internet (<http://www.knmi.nl/klimatologie/monv>).

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3730 AE De Bilt
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2003
NEERSLAG 8-8 UUR (MM)

DISTRICT 1														DISTRICT 2			
NR	10	11	12	15	16	17	18	19	21	22	24	25	26	61	64	65	66
MND	HOL LUM	W. TER SCHEL LING	SCHIER MONNIK OOG	OOST V LIE LAND	PETTEN	DEN BURG	NES AME LAND	DE COCKS DORP	CAL LANTS OOG	DE KOOG	VLIE LAND	DE KOOY	FOR MERUM	SKRINS	SNEEK	MAK KUM	HAR LINGEN
JAN FEB	63.3 25.6	62.6 22.4	58.8 15.2	52.8 21.7	84.2 14.0	71.6 21.4	64.0 23.7	65.7 16.6	73.9 14.4	63.4 21.6	59.5 14.9	69.1 14.5	57.7 19.2	58.5 26.2	65.9 26.1	62.3 20.1	48.8 15.9
MRT APR MEI	24.6 35.3 99.0	21.3 28.7 69.2	27.0 47.7 100.7	24.0 27.6 60.9	16.4 29.1 64.2	18.4 25.4 59.8	27.3 38.1 103.8	22.3 25.3 57.6	13.7 26.6 64.4	20.8 26.4 57.0	20.0 26.4 54.4	15.8 26.1 65.5	21.7 28.0 71.9	22.6 34.3 104.9	21.9 39.1 115.1	18.1 31.9 100.7	17.4 21.1 79.3
JUN JUL AUG	49.1 92.6 22.2	21.9 71.1 18.2	45.8 89.3 41.8	17.2 57.6 20.5	21.2 51.8 23.5	26.0 73.6 13.9	38.4 120.3 31.3	19.5 54.5 13.2	21.8 47.6 16.0	18.3 26.4 13.3	15.7 56.5 12.5	20.6 50.4 11.8	45.3 74.2 21.0	27.6 86.8 6.1	35.6 48.5 17.4	39.9 79.4 12.0	23.8 65.8 5.0
SEP OKT NOV	59.6 116.6 68.3	38.4 106.2 70.4	80.0 97.3 63.1	36.6 79.8 70.0	57.6 78.0 65.2	46.4 98.0 56.2	59.3 109.6 57.3	42.5 82.9 67.7	52.9 47.6 59.5	38.9 96.8 67.0	40.4 93.6 72.2	39.4 92.0 55.4	41.2 115.2 72.8	61.6 82.4 60.4	59.1 69.9 62.7	31.5 66.7 56.8	36.7 89.2 53.1
DEC	94.1	97.3	80.2	100.4	110.2	99.6	78.4	113.8	111.8	104.9	92.5	91.5	94.2	92.1	94.2	88.7	83.5
JAAR NORM	750.3 785.7	627.7 788.9	746.9 790.7	569.1 789.6	615.4 756.7	610.3 790.0	751.5 832.2	581.6 801.7	585.5 819.2	603.4 803.4	558.6 772.1	552.1 773.0	662.4	663.5	655.5 787.7	608.1 762.7	539.6 779.6

DISTRICT 2																		
NR	67	68	69	70	73	75	76	77	78	79	80	81	82	84	85	86	87	89
MND	DOK KUM	ST ANNA PAR.	APPEL SCHA	OUDE MIRDUM	DRACH TEN	OLDE HOLT PADE	KORN WERDER ZAND	KOLLUM	HER BAYUM	HEEG	STA VOREN	JOURE	GORRE DIJK	EZUMA ZIJL	LEEU WARDEN	NIJ BEETS	BER GUMER DAM	AK KRUM
JAN FEB	64.2 25.5	59.1 28.5	88.9 21.8	80.3 24.2	87.8 22.4	98.5 31.9	52.2 16.7	81.1 26.2	56.1 31.0	78.6 28.7	74.5 22.3	82.0 25.6	90.3 23.0	68.6 21.6	58.1 22.3	83.6 20.9	80.9 22.7	69.4 19.5
MRT APR MEI	30.8 41.8 113.9	24.1 25.0 94.9	33.5 47.0 109.3	19.4 46.5 91.2	29.9 51.0 127.0	26.4 45.3 134.3	14.5 23.6 70.2	34.3 42.2 121.1	21.9 22.3 100.3	22.4 42.4 107.9	16.4 28.1 72.3	23.3 49.8 99.6	29.3 43.9 124.4	30.7 49.2 108.7	26.5 32.8 111.7	29.5 44.5 121.4	27.8 46.1 117.7	26.7 47.1 124.8
JUN JUL AUG	58.3 92.2 16.4	24.0 98.3 16.8	40.9 81.6 12.5	15.8 58.7 12.0	63.4 76.9 19.4	37.3 64.4 13.1	20.4 36.7 6.9	63.1 68.3 21.1	28.4 111.5 13.2	46.7 52.3 13.7	18.0 39.6 12.1	39.5 74.9 12.5	42.9 66.0 10.4	57.2 53.4 21.9	24.4 93.0 12.0	49.2 89.9 14.7	40.9 83.4 9.9	41.2 75.1 19.4
SEP OKT NOV	82.5 98.1 65.8	57.7 78.9 65.6	60.5 62.3 65.1	41.8 78.6 65.1	60.9 76.1 65.5	55.0 80.4 68.6	38.4 73.2 52.9	97.0 90.7 61.2	47.1 94.2 63.9	53.7 71.3 63.3	39.9 71.4 58.9	51.0 71.0 62.6	63.3 74.4 60.9	89.7 83.7 59.3	57.4 75.9 62.1	52.2 70.6 63.7	50.4 72.7 59.7	54.9 74.3 61.8
DEC	97.1	92.7	105.6	104.9	114.1	111.5	77.5	99.5	102.7	99.2	84.5	102.7	113.0	94.0	91.6	103.5	106.5	96.0
JAAR NORM	786.6 838.0	665.6 828.0	729.0 865.2	638.5 775.0	794.4 836.3	766.7 841.7	483.2 747.9	805.8 844.4	692.6	680.2 807.3	538.0 736.4	694.5 786.1	741.8 839.4	738.0 828.7	667.8 788.4	743.7 790.5	718.7 800.9	710.2

DISTRICT 2								DISTRICT 3									
NR	90	91	166	171	326	338	353	134	135	136	139	140	141	142	143	144	145
MND	EERNE WOUDE	TER NAARD	MARUM	AN JUM	FREDE RIKS OORD	GIET HOORN	BLOK ZIJL	MIDDEL STUM	WOL TER SUM	EZIN GE	GRO NINGEN	ASSEN	DEL F ZIJL	WAR FUM	FINS TER WOLDE	TER APEL	ZOUT KAMP
JAN FEB	68.7 19.4	53.2 23.1	83.4 18.4	62.0 16.9	88.3 25.9	83.2 23.1	85.8 20.8	65.7 18.2	59.1 15.0	70.7 16.0	69.5 13.1	79.4 20.9	63.8 14.8	69.3 24.5	66.4 17.5	75.7 19.5	74.2 17.9
MRT APR MEI	23.7 42.6 122.8	22.9 32.8 101.8	30.4 51.6 91.0	30.1 47.2 114.1	24.4 43.8 90.6	24.6 42.2 92.6	24.1 35.0 99.0	38.7 47.2 90.5	28.1 38.8 79.0	30.2 54.2 94.7	36.0 37.7 92.3	36.2 40.0 114.7	37.7 42.7 92.9	35.8 49.8 93.7	40.2 39.4 102.0	35.8 43.3 96.4	33.5 42.0 110.6
JUN JUL AUG	39.3 78.2 18.9	58.2 88.4 23.9	41.8 74.2 7.5	61.6 80.1 22.7	26.4 94.6 7.7	55.1 89.4 8.5	60.2 112.8 7.0	45.5 61.3 14.9	41.1 55.2 21.6	64.2 53.5 26.0	42.2 70.2 23.2	24.2 81.8 15.0	49.4 54.2 38.1	73.1 56.0 17.6	46.9 78.7 25.4	36.4 86.5 16.0	46.8 53.8 24.1
SEP OKT NOV	44.9 67.6 57.0	75.5 94.9 60.3	68.0 69.5 47.7	79.8 81.9 57.0	61.6 63.5 56.4	48.8 56.7 53.1	39.2 53.6 60.6	100.0 75.4 55.1	96.1 48.6 57.0	92.7 66.0 63.6	92.8 65.0 74.1	73.5 62.5 56.3	130.2 72.0 60.6	117.7 78.9 56.0	107.6 58.3 67.9	97.3 49.2 50.5	144.6 77.0 55.9
DEC	91.8	85.0	100.1	84.2	110.4	94.7	100.9	85.9	85.8	85.2	101.7	101.2	88.5	91.1	86.8	101.7	97.9
JAAR NORM	674.9 784.3	720.0 804.8	683.6 860.4	737.6	691.1 816.2	672.0 802.7	699.0 813.6	698.4	625.4	717.0	717.8 829.9	705.7 818.0	744.9 769.3	763.5 828.5	737.1 754.3	708.3 747.1	778.3 801.3

2003
NEERSLAG 8-8 UUR (MM)

DISTRICT 14			DISTRICT 15											
NR	970	977	962	963	965	966	968	969	971	973	974	979	980	982
MND	STRAMP ROY	REUVER	UBACHS BERG	VAL KEN BURG	SCHAES BERG	SCHIN NEN	VAALS	STEIN	NOOR BEEK	BEEK	BUCH TEN	ECHT	EPEN	SCHIN VELD
JAN	70.1	66.3	68.4	85.6	72.3	81.2	100.7	80.0	77.6	76.5	58.5	53.4	104.4	67.7
FEB	16.9	15.4	17.0	17.7	19.7	21.3	25.7	21.8	20.6	19.7	13.0	12.8	23.5	16.0
MRT	44.4	55.4	53.1	52.8	53.6	55.6	59.4	49.1	48.6	53.7	40.5	35.3	55.9	52.3
APR	37.6	59.8	41.2	49.9	46.6	52.7	58.8	41.3	52.1	41.8	38.9	32.9	55.3	41.4
MEI	88.5	99.5	94.0	92.5	75.5	101.9	91.9	106.5	93.0	85.0	102.8	92.2	95.3	83.1
JUN	43.3	51.5	35.2	42.8	58.0	23.3	30.7	30.3	27.5	26.5	37.0	46.0	45.8	29.5
JUL	81.6	48.5	85.1	90.9	72.5	74.1	91.4	68.2	79.2	62.9	79.5	79.3	76.1	79.9
AUG	44.8	43.9	38.3	49.2	37.5	34.3	30.8	41.6	36.1	36.0	45.1	49.8	32.7	33.3
SEP	35.5	32.6	28.8	29.8	33.8	30.7	27.7	29.8	25.5	33.8	28.9	24.9	29.7	31.4
OKT	88.6	89.1	64.2	80.7	76.6	83.8	84.1	85.7	78.8	77.5	82.6	81.3	74.2	85.7
NOV	48.1	43.2	37.5	43.8	38.7	47.0	44.5	45.1	39.2	41.3	34.7	33.8	39.8	39.5
DEC	72.7	80.3	72.2	82.2	68.3	75.8	92.1	72.2	75.1	68.7	60.6	54.0	77.7	58.0
JAAR	672.1	685.5	635.0	717.9	653.1	681.7	737.8	671.6	653.3	623.4	622.1	595.7	710.4	617.8
NORM	705.4	734.4	810.3	841.1	778.2	816.5	902.7	774.4	813.0	750.2	732.1	695.3		

NR	270	277	286	249	269	279	210	240	275	290	344	356	283	323	319	350	370	375	377	391
MND	LEEUWARDEN	LAUWERS OOG	NIEUW BEERTA	BERKHOUT	LELYSTAD	HOOGHEVALKENVEEN	SCHIPBURG	SCHIPHOL	DEELEN	TWENTE	R'DAM	HERWIJNEN	WILHELMHUPSEL	MINA DORP	WESTDORPE	GILZERIJEN	EINDHOVENVOLKEL	ELL	ARCEN	
JAN FEB	7.2 17.6	7.3 16.7	6.9 17.0	9.2 19.9	8.6 20.3	7.2 19.5	9.2 21.0	8.6 21.0	7.6 20.7	7.6 21.3	8.6 21.6	8.9 21.5	8.1 21.4	9.6 21.4	10.0 21.5	8.4 21.1	8.5 22.4	8.6 21.8	9.0 21.8	8.3 21.8
MRT APR MEI	40.6 64.8 84.6	42.3 68.4 84.6	39.2 66.3 83.8	42.9 70.5 90.1	43.1 67.4 85.1	40.8 65.0 81.8	46.5 73.1 89.8	46.3 71.5 85.0	46.3 66.5 79.3	42.5 66.4 83.2	47.5 70.8 84.0	47.0 68.3 83.2	43.8 66.2 83.7	48.1 71.9 86.5	47.4 70.4 80.9	48.2 68.2 79.9	49.6 70.3 82.5	48.4 68.7 83.6	48.2 69.8 85.5	47.7 67.7 83.9
JUN JUL AUG	103.2 105.3 91.1	108.0 105.2 97.4	105.8 99.0 92.3	105.9 106.8 91.7	107.7 103.9 94.6	105.8 104.0 94.4	112.9 108.8 91.8	107.1 104.4 91.6	107.2 99.9 92.9	109.5 105.0 98.3	111.6 106.0 94.1	108.9 105.0 93.4	110.0 106.5 95.2	113.6 106.5 96.7	108.8 104.2 94.0	111.2 103.8 94.2	113.4 106.2 94.6	110.1 105.3 94.6	115.0 106.3 93.5	110.7 105.1 94.7
SEP OKT NOV	56.3 29.6 11.3	61.2 31.4 10.8	55.8 28.2 9.8	57.6 32.1 12.1	60.5 30.5 12.2	57.4 29.0 11.4	63.0 29.8 12.8	59.0 29.9 11.3	58.6 26.7 12.3	60.2 27.9 12.8	60.5 29.8 12.4	60.7 28.4 12.6	60.8 27.0 13.0	65.1 32.6 13.2	61.5 31.3 12.4	62.8 28.0 12.6	64.5 28.0 13.3	62.4 27.1 13.0	60.4 26.5 13.8	64.9 26.7 14.2
DEC	5.9	6.3	5.8	6.6	6.6	6.3	6.5	6.6	6.6	6.7	6.5	7.2	7.0	7.0	7.1	6.9	8.1	8.0	7.5	8.4
JAAR	617.5	639.6	609.9	645.4	640.5	622.6	665.2	642.3	624.6	642.4	653.4	645.1	642.7	672.2	649.5	645.3	661.4	651.6	657.3	654.1

REFERENTIE GEWASVERDAMPING (MM)						DOORLOPEND POTENTIEEL NEERSLAGOVERSCHOT (MM)						AANTAL SNEEUWDEKDAGEN					
NR	235	280	260	310	380	NR	235	280	260	310	380	NR	025	161	550	733	973
MND	DE KOOY	EELDE	DE BILT	VLIS SINGEN	BEEK	MND	DE KOOY	EELDE	DE BILT	VLIS SINGEN	BEEK	MND	DE KOOY	EELDE	DE BILT	RIT THEM	BEEK
JAN	8.7	7.6	7.9	10.6	7.9							JAN	.	7	.	3	2
FEB	19.6	17.5	20.8	21.1	23.1							FEB	1	2	1	2	4
MRT	42.0	40.2	46.0	48.5	50.5							MRT	.	.	.	.	.
APR	73.0	66.9	69.4	70.8	71.3	APR	-46	-31	-23	-27	-23						
MEI	95.8	81.9	79.3	89.4	86.5	MEI	-85	-18	-11	-35	-28						
JUN	109.8	103.6	109.4	115.2	117.2	JUN	-165	-75	-85	-125	-103						
JUL	112.4	102.4	102.9	111.0	110.9	JUL	-236	-120	-158	-196	-171						
AUG	97.9	94.9	93.8	100.1	100.9	AUG	-322	-194	-243	-248	-236						
SEP	64.8	56.2	57.4	69.9	67.0	SEP	-356	-157	-249	-263	-270						
OKT	33.0	28.5	29.1	34.5	27.4	OKT	-302	-126	-194	-214	-220						
NOV	11.7	10.6	12.3	13.4	14.9							NOV	.	.	.	.	.
DEC	6.6	5.9	6.6	7.2	8.3							DEC	.	.	2	.	3
JAAR	675.3	616.2	634.9	691.7	685.9							SNEEUWDEKDAG IS EEN DAG WAAROP EEN SNEEUWDEK IS GECONSTATEERD OM 08.00 UUR					

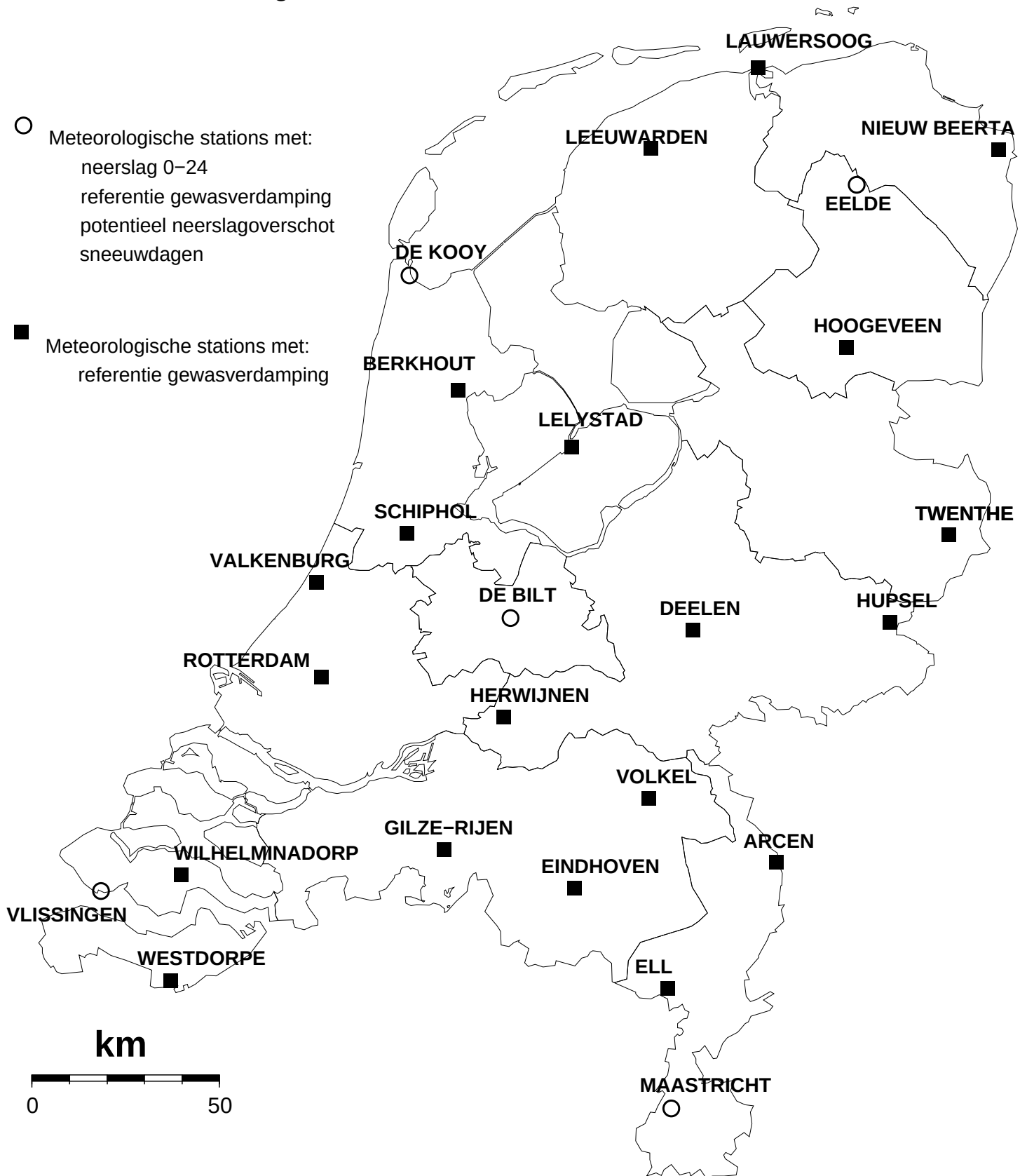
NEERSLAGGEMIDDELDEN PER DISTRICT (MM)

	D1	D2	D3	D4	D5	D6	D7	D8
JAAR	631.9	687.6	726.0	682.5	673.5	678.5	688.3	681.6
NORM	791.9	806.6	799.8	816.1	793.1	785.4	831.6	834.0
	D9	D10	D11	D12	D13	D14	D15	LAND
JAAR	737.9	618.3	665.8	634.9	683.6	657.0	660.0	679.8
NORM	769.4	783.4	778.2	801.5	763.0	727.4	791.4	797.2

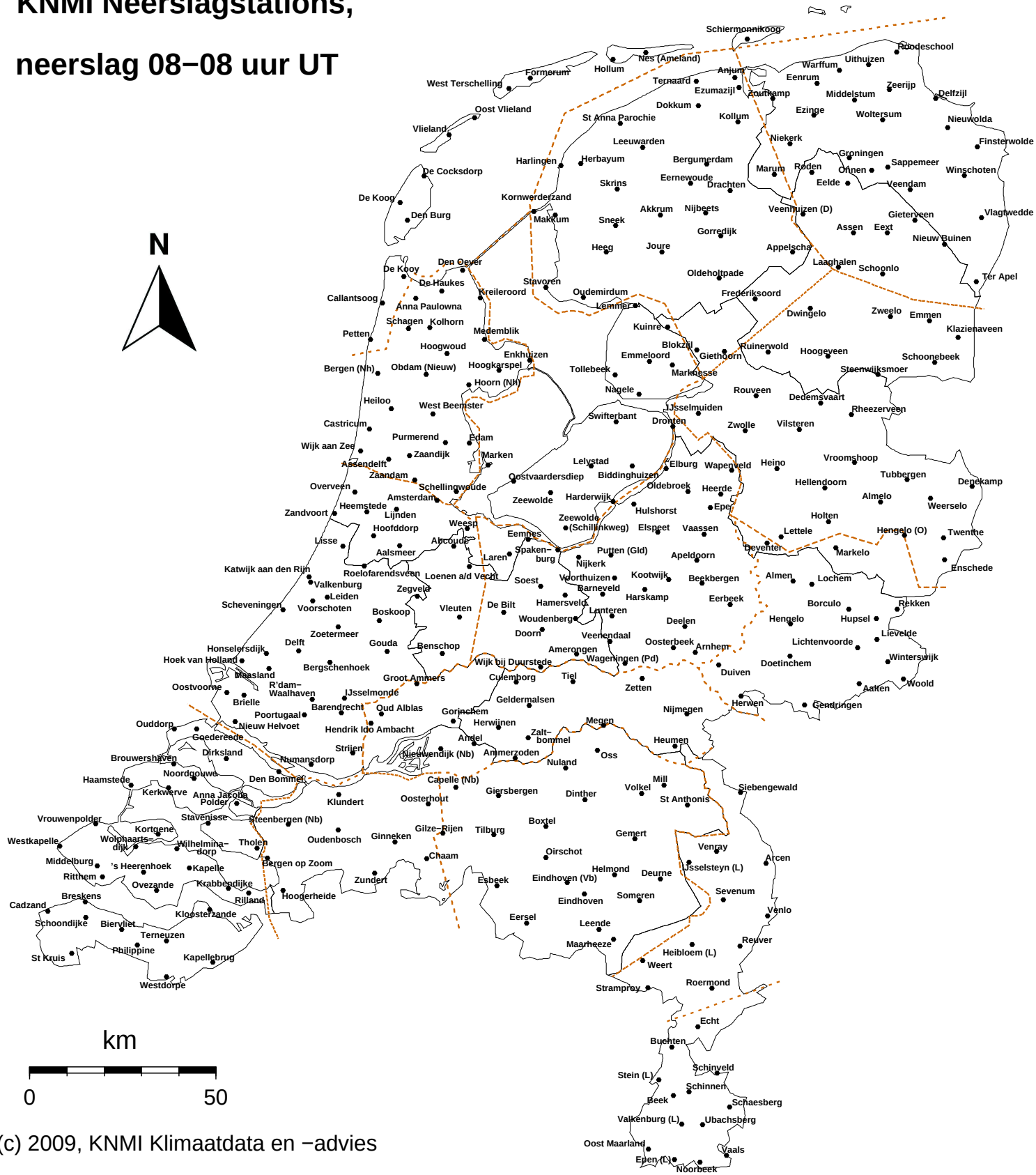
HOOGSTE JAARSOM 805.8 MM TE
77 KOLLUMLAAGSTE JAARSOM 483.2 MM TE
76 KORNWERDERZANDHOOGSTE MAANDSOM 144.6 MM IN
SEPTEMBER TE 145 ZOUTKAMPLAAGSTE MAANDSOM 2.8 MM IN
AUGUSTUS TE 342 VILSTERENHOOGSTE DAGSOM 115.0 MM OP
03/06 TE 317 MARKNESSE

NORMALEN: TIJDVAK 1971-2000

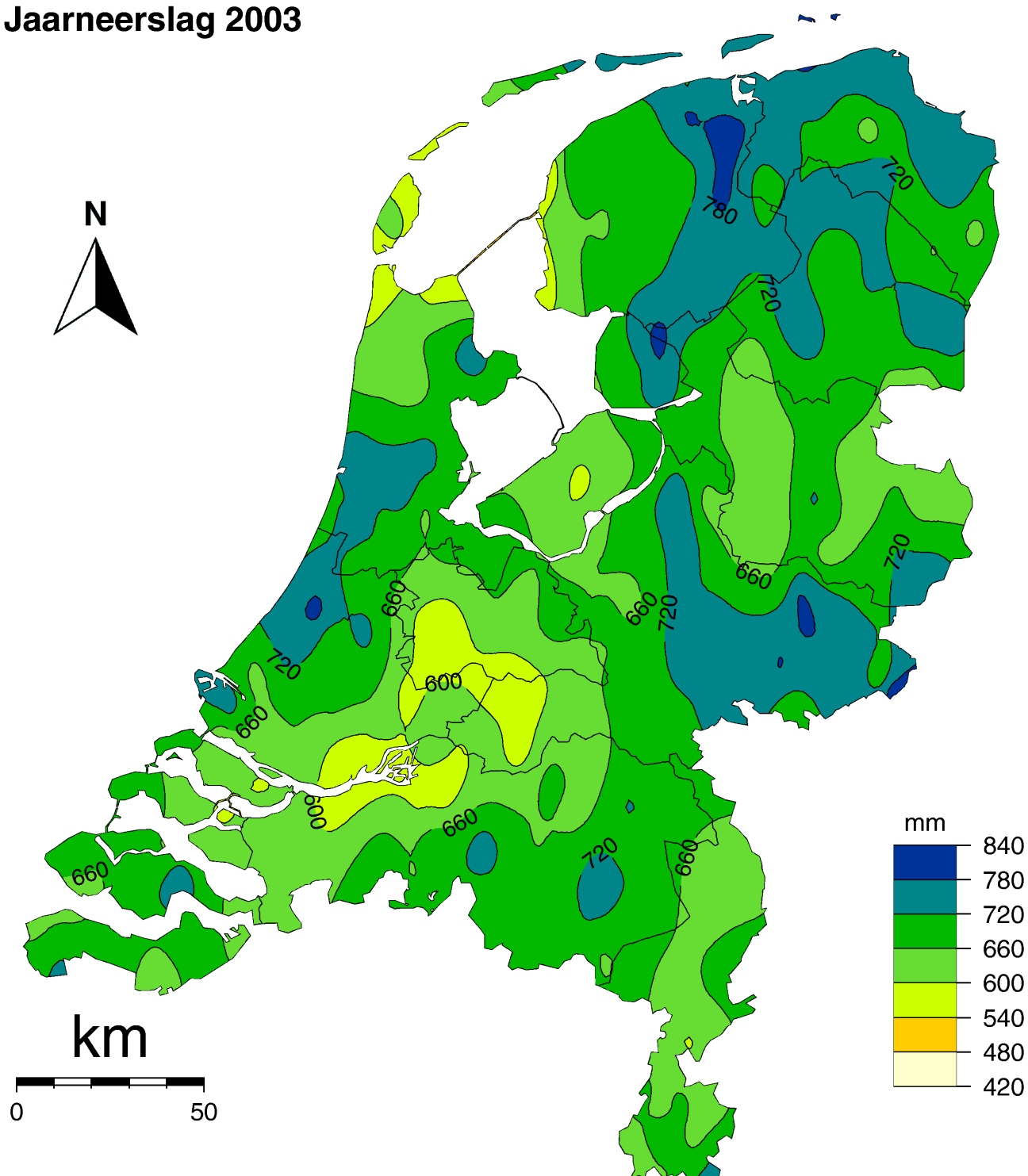
Kaart met meteorologische stations



KNMI Neerslagstations, neerslag 08–08 uur UT



Jaarneerslag 2003



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Dit rapport is een uitgave van:

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