

INTERNATIONAL COMMISSION ON AGENCY

THE INTERNATIONAL COMMISSION ON AGENCY FOR THE DEVELOPMENT OF THE  
MOUNTAIN AND HIGHLAND AREAS

REPORTS  
OF

THE INTERNATIONAL COMMISSION ON AGENCY FOR THE DEVELOPMENT OF THE  
MOUNTAIN AND HIGHLAND AREAS

OF

THE INTERNATIONAL COMMISSION ON AGENCY FOR THE DEVELOPMENT OF THE  
MOUNTAIN AND HIGHLAND AREAS

RESEARCH REPORTS

VOLUME VII  
PART A

THE MOUNTAIN AND HIGHLAND AREAS OF THE WORLD

MAY 1999

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INTERNATIONAL COMMISSION ON AGENCY  
FOR THE DEVELOPMENT OF THE MOUNTAIN AND HIGHLAND AREAS

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JAPAN INTERNATIONAL COOPERATION AGENCY

THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA  
MINISTRY OF DEVELOPMENT

**THE STUDY  
ON  
INTEGRATED WATER RESOURCES DEVELOPMENT AND  
MANAGEMENT MASTER PLAN  
IN  
THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA**

**FINAL REPORT**

**VOLUME VI-1  
DATA BOOK**

**RAINFALL AND DISCHARGE RECORDS**

**MAY 1999**

**NIPPON KOEI CO., LTD.  
KRI INTERNATIONAL CORPORATION**

**THE STUDY  
ON  
ON INTEGRATED WATER RESOURCES DEVELOPMENT AND  
MANAGEMENT MASTER PLAN  
IN  
THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA**

**COMPOSITION OF FINAL REPORT**

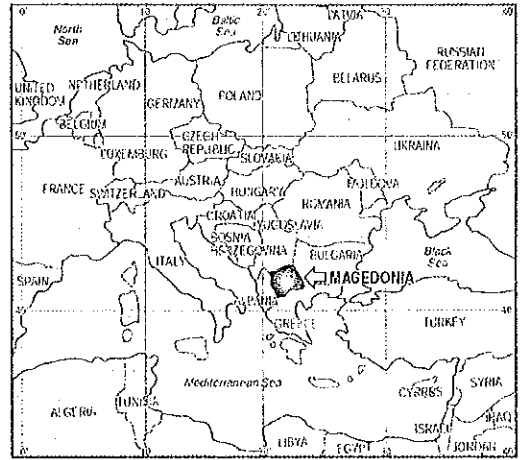
- Volume I**      **Executive Summary**
- Volume II**      **Main Report**
- Volume III**      **Supporting Report 1: Sector Study on Current Conditions**  
Appendix    A    Meteorology and Hydrology  
Appendix    B    Groundwater  
Appendix    C    Water Quality  
Appendix    D    River Environment  
Appendix    E    Watershed Management and Flood Control  
Appendix    F    Socioeconomic Conditions  
Appendix    G    Law and Institution  
Appendix    H    PCM Workshop
- Volume IV**      **Supporting Report 2: Water Demand Projection and Water Balance Study**  
Appendix    I    Current Condition of Water Utilization  
Appendix    J    Water Demand Projection  
Appendix    K    Water Balance Study
- Volume V**      **Supporting Report 3: Proposed Projects and Project Evaluation**  
Appendix    L    Outline of Projects Evaluation  
Appendix    M    Estimate of Cost, Economic Benefit and Financial Revenue  
Appendix    N    Project Evaluation
- Volume VI-1**    **Data Book : Rainfall and Discharge Records**  
Appendix    O    Rainfall and Discharge Records
- Volume VI-2**    **Data Book : Results of Water Balance Study**  
Appendix    P    Results of Water Balance Study  
Appendix    Q    Well Inventory  
Appendix    R    Spring Inventory

*EXCHANGE RATE*

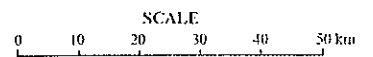
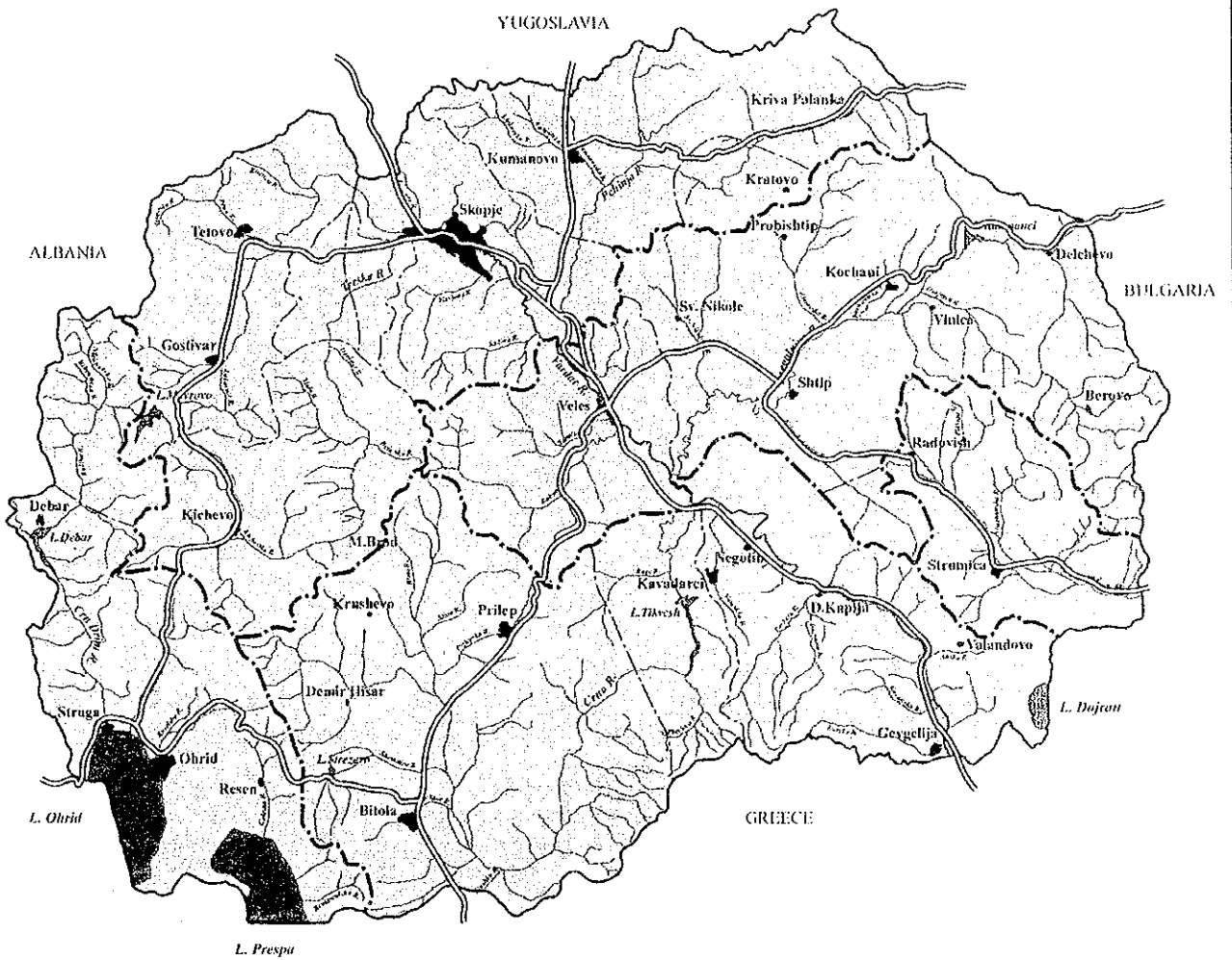
The exchange rate used in this Study are:	
US Dollar (US\$)1.00	= Macedonian Denar (MKD) 52.00
Deutsche Mark (DM) 1.00	= Macedonian Denar (MKD) 30.98
as of Jan.1999	



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KEY MAP



Location Map

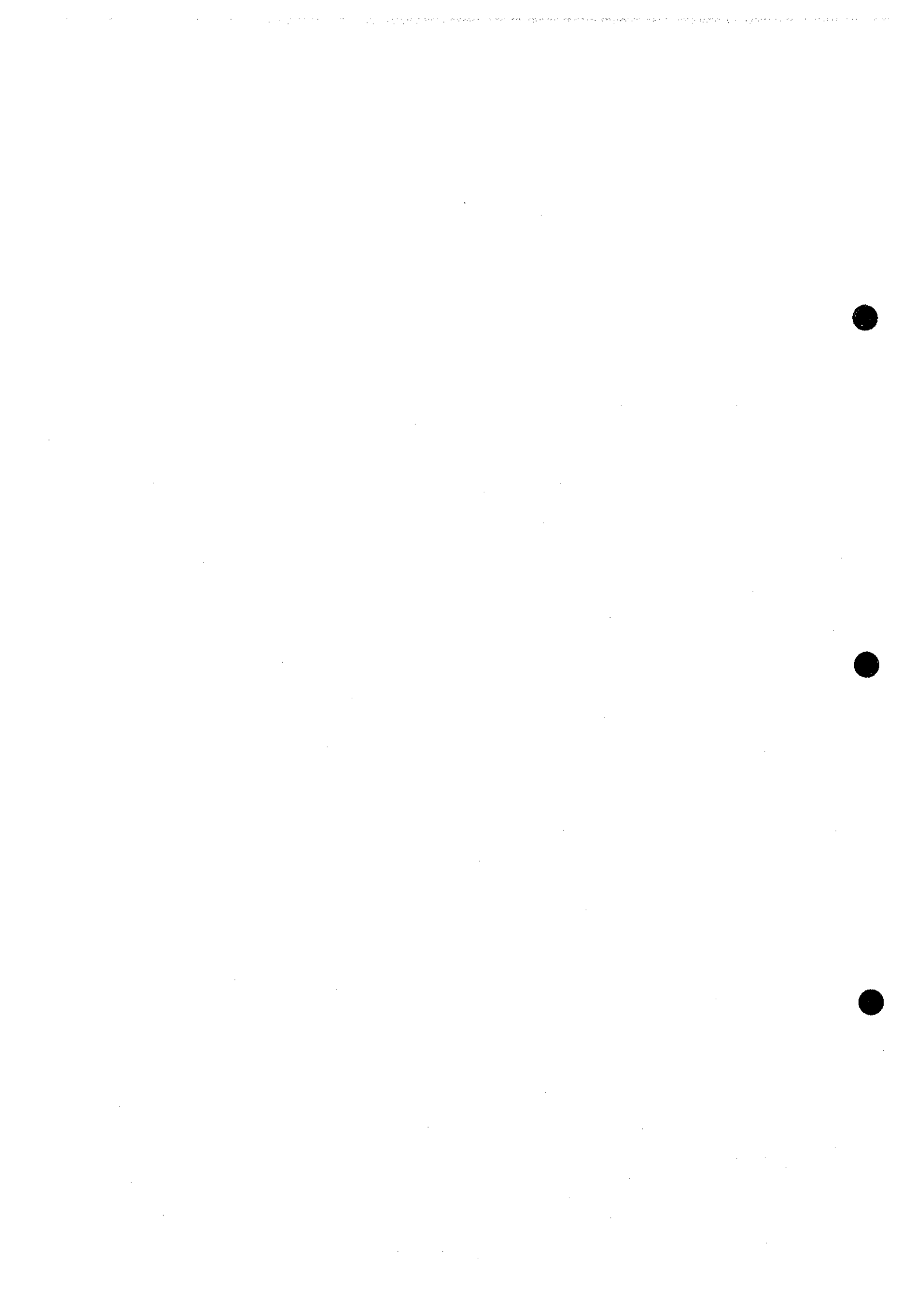


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**DAILY RAINFALL RECORD**



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Vardar  
8  
42° 00'  
682.1

GAUGING STATION  
ELEVATION  
LONGITUDE

RST001\_Tetovo - kl  
462  
20° 58'

Total Monthly Rainfall

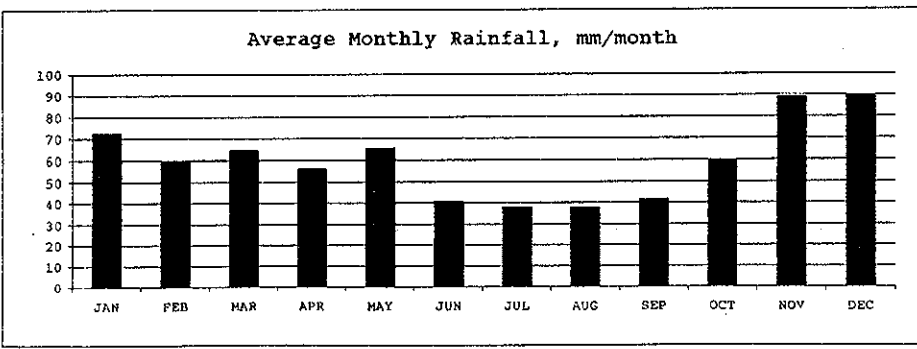
Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1961	28.5	20.7	58.1	58.1	129.3	24.1	26.4	0.6	9.0	39.3	140.5	75.3
1962	42.1	59.9	202.6	64.8	21.6	55.2	20.3	32.7	27.6	71.7	258.5	150.7
1963	102.0	212.1	76.8	45.7	75.5	41.9	19.8	45.4	44.5	107.4	43.9	140.0
1964	5.0	26.1	102.0	38.8	62.2	44.8	44.8	18.8	73.6	94.7	149.9	127.3
1965	50.7	86.9	52.9	104.7	50.9	27.3	2.8	34.7	4.9	-	74.1	128.8
1966	152.3	46.2	40.3	42.1	35.8	27.2	31.2	6.5	39.0	34.8	191.4	130.2
1967	93.5	4.5	39.0	109.9	49.4	18.9	103.1	45.0	13.3	22.9	35.4	105.1
1968	126.4	37.4	29.4	42.8	164.4	112.0	3.1	82.4	39.3	34.4	98.6	97.9
1969	64.6	96.9	125.0	116.8	2.2	39.9	93.2	16.8	41.7	-	35.0	205.4
1970	113.7	104.7	139.2	58.9	62.6	16.0	135.4	4.8	29.2	78.2	37.5	88.9
1971	146.7	48.7	115.3	34.3	44.2	30.8	74.1	29.0	80.2	30.5	31.0	54.1
1972	115.8	73.1	41.9	53.5	70.2	26.6	28.2	61.5	154.4	106.9	51.5	2.2
1973	68.7	83.1	78.1	47.9	38.0	19.3	83.7	162.4	-	-	-	-
1974	60.7	69.5	72.0	62.6	80.6	46.3	1.5	39.3	28.4	108.7	87.1	29.1
1975	11.9	17.6	53.4	74.5	79.0	79.0	23.6	59.9	23.6	149.2	81.2	50.0
1976	74.7	57.1	71.6	42.4	90.9	119.3	58.1	32.7	27.6	87.4	-	-
1977	61.1	80.0	24.0	41.2	39.0	55.0	27.4	36.6	50.1	17.8	98.9	45.8
1978	87.1	87.3	79.1	105.6	124.7	8.0	15.6	16.0	100.0	37.2	-	-
1979	82.7	45.4	19.5	51.2	108.2	18.2	25.8	70.0	26.5	76.0	205.5	58.8
1980	68.4	31.0	59.1	20.4	141.5	26.5	4.0	11.0	17.6	146.2	83.7	81.5
1981	37.5	51.1	54.3	71.5	57.4	38.6	30.5	70.2	73.2	126.1	90.3	130.7
1982	23.0	36.7	72.6	43.2	66.8	21.1	33.6	29.5	27.4	60.2	85.1	126.0
1983	13.6	52.5	34.2	7.0	56.7	72.7	52.6	28.5	39.4	24.4	73.0	38.5
1984	63.2	137.7	92.2	68.2	47.0	32.0	13.0	70.1	51.3	14.4	69.6	25.8
1985	137.2	86.9	49.2	33.7	49.8	19.8	7.6	3.0	8.8	25.2	264.6	27.3
1986	155.9	-	28.6	14.4	60.8	79.5	68.9	23.7	26.2	48.7	19.4	42.1
1987	123.5	31.7	85.4	43.6	83.5	50.3	0.5	48.2	27.0	43.3	41.5	30.6
1988	5.4	24.9	44.1	23.3	10.4	30.5	4.2	6.6	21.9	23.0	68.3	122.5
1989	3.6	50.3	40.2	4.8	56.1	75.7	113.3	32.0	21.9	74.6	18.9	32.4
1990	-	15.2	8.4	95.1	37.6	3.6	30.0	16.1	17.3	4.3	43.8	162.3
1991	-	15.2	8.4	95.1	37.3	3.6	30.0	16.1	17.3	4.3	43.8	162.3
1992	-	-	-	-	-	-	-	-	-	-	-	-
1993	-	-	-	-	-	-	-	-	-	-	-	-
1994	-	-	-	-	-	-	-	-	-	-	-	-
1995	-	-	-	-	-	-	-	-	-	-	-	-
1996	52.0	54.0	62.0	75.0	52.0	34.5	5.5	48.0	125.0	38.0	47.0	110.1
AVERAGE	72.4	59.5	64.3	56.0	65.2	40.6	37.9	37.4	41.5	59.6	88.6	89.0

N_Wet	Annual Total	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
102	609.9	62.0	140	76.0	83.6	84.7
130	1007.7	63.8	320	91.2	91.2	95.8
136	955.0	43.2	278	57.5	80.7	86.0
119	788.0	63.5	315	75.1	77.8	98.5
110	618.7	31.0	360	43.7	45.5	56.5
112	777.0	63.2	13	67.4	71.1	71.1
91	640.0	40.5	192	54.5	63.1	70.6
123	868.1	78.8	136	93.4	104.9	108.9
134	837.5	57.7	187	74.8	81.2	81.2
128	869.1	60.0	74	89.1	96.3	98.9
124	718.9	60.8	1	61.4	70.9	75.9
132	785.8	50.0	272	64.8	67.8	76.0
84	581.2	95.0	240	115.0	128.0	134.0
133	685.8	33.7	305	34.2	45.5	51.5
122	702.9	35.5	352	51.8	57.5	83.3
100	661.8	37.4	158	59.0	65.6	65.9
107	576.9	27.0	327	38.0	40.6	41.6
84	660.6	46.0	30	46.5	50.5	51.5
106	787.8	96.0	323	102.0	138.0	154.0
109	690.9	43.5	287	45.7	84.5	88.5
97	831.4	68.5	297	72.5	73.3	85.0
83	625.2	31.0	79	50.0	57.5	61.5
88	493.1	33.4	144	38.0	38.0	38.0
104	684.5	36.2	50	43.0	62.3	65.6
84	713.1	64.2	324	109.7	150.0	156.0
67	568.2	52.3	5	52.3	60.6	60.6
84	609.1	43.0	213	45.1	45.1	45.1
75	395.1	22.2	338	38.4	51.8	62.3
56	523.8	36.5	283	58.1	67.3	73.4
69	433.7	32.8	345	54.0	55.8	58.3
69	433.4	32.8	345	54.0	55.8	58.3
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
87	703.1	44.0	337	46.0	47.0	63.0

STD DEV	46.4	41.7	40.6	29.7	36.5	28.4	35.8	31.7	34.4	41.7	66.7	52.3
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10



LOCATION Vardar  
 STATION ID 33  
 REGISTRY NUMBER  
 LATITUDE 42° 01'  
 AVERAGE ANNUAL TOTAL 292.3

GAUGING STATION  
 ELEVATION  
 LONGITUDE

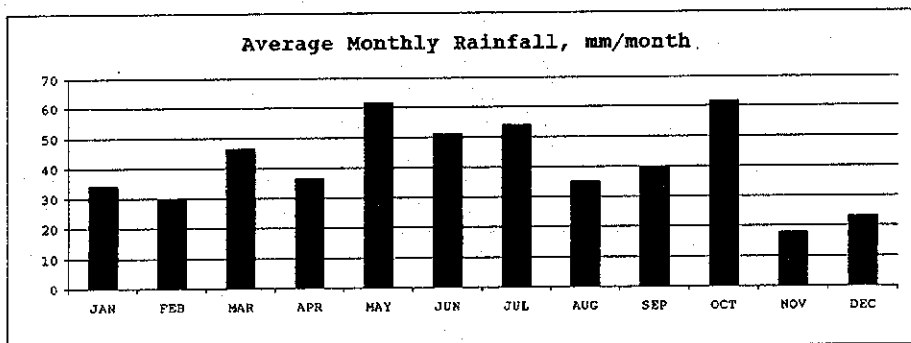
RST002\_Mrshevc1  
 340  
 21° 39'

Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N_Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day	
1961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1962	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1963	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1964	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1965	-	-	-	-	-	-	-	-	9.8	-	-	-	3	11.2	6.0	245	6.0	6.0	6.0	
1966	-	1.4	-	-	-	-	-	-	-	-	-	-	33	308.3	47.9	171	54.0	57.4	57.4	
1967	34.4	3.9	24.9	65.0	77.2	102.9	-	-	-	-	-	-	50	440.2	32.6	177	47.3	49.7	61.4	
1968	-	24.9	32.7	24.0	78.0	106.4	-	66.2	16.2	21.9	33.6	36.3	22	143.3	16.4	76	21.8	23.2	25.1	
1969	27.3	39.1	76.9	-	-	-	-	-	-	-	-	-	60	339.3	31.6	244	31.6	31.6	31.6	
1970	38.1	40.4	-	14.5	40.7	4.7	56.3	31.8	31.8	45.5	8.9	26.6	68	436.5	34.2	1	52.2	52.2	60.1	
1971	69.9	34.2	81.0	7.4	43.1	38.2	39.1	3.2	72.1	11.2	10.4	26.7	69	456.8	24.3	272	29.3	34.9	38.0	
1972	44.5	39.0	21.8	49.6	36.3	0.0	49.3	40.6	83.6	92.1	0.0	0.0	46	328.9	29.8	182	31.3	34.9	34.9	
1973	-	20.8	67.5	46.4	46.8	26.2	79.9	41.3	-	-	-	-	75	594.4	43.5	302	43.5	54.0	61.3	
1974	24.3	83.2	32.8	59.3	102.5	42.0	5.5	30.5	53.8	99.3	35.7	25.5	53	309.2	48.0	170	48.0	60.5	70.5	
1975	31.8	5.3	33.4	25.2	66.5	86.5	19.0	15.5	26.0	-	-	-	32	398.4	81.0	292	99.0	99.0	99.0	
1976	-	-	-	-	-	52.2	127.4	77.3	42.5	99.0	-	-	-	-	-	-	-	-	-	-
1977	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1978	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1979	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1981	-	-	-	-	-	-	-	8.5	-	-	-	-	1	8.5	8.5	214	8.5	8.5	8.5	
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	2.7	-	-	-	-	-	-	-	22.2	-	-	-	5	24.9	9.4	262	14.4	17.5	17.5	
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AVERAGE	34.1	29.2	46.4	36.4	61.4	51.0	53.8	35.0	39.8	61.5	17.7	23.0								
STD DEV	19.0	24.3	24.4	21.4	23.4	39.7	40.6	24.9	25.5	40.3	16.0	13.6								

02



LOCATION Pchinja  
 STATION ID 176  
 REGISTRY NUMBER  
 LATITUDE 42° 05'  
 AVERAGE ANNUAL TOTAL 552.5

GAUGING STATION RST003\_Romanovci  
 ELEVATION 400

LONGITUDE 21° 42'

Total Monthly Rainfall

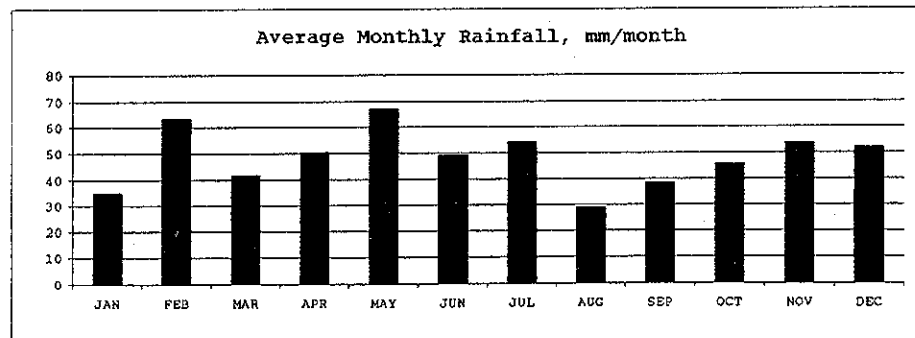
Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1961	19.1	3.9	57.3	57.3	110.2	62.3	13.6	5.5	16.4	15.9	87.7	44.4
1962	22.5	15.0	119.4	93.6	29.0	76.7	71.5	3.9	21.0	56.2	201.0	57.7
1963	104.2	81.4	57.9	36.2	66.5	27.6	47.5	37.0	17.6	53.1	76.3	42.9
1964	0.3	16.2	33.5	44.7	96.0	41.0	27.5	30.3	56.5	82.0	48.1	42.4
1965	46.8	35.8	12.1	48.2	76.1	44.1	54.8	36.8	-	-	36.7	83.8
1966	57.1	38.7	45.3	39.0	24.6	64.8	56.8	23.3	22.3	32.7	100.2	90.5
1967	39.1	9.2	15.4	48.2	50.2	39.3	88.9	2.7	27.9	37.6	13.3	58.8
1968	46.7	19.4	27.8	24.9	87.6	132.9	-	51.8	25.5	22.7	69.2	48.6
1969	33.6	61.6	93.3	67.7	-	45.7	23.1	29.4	24.7	-	7.0	122.3
1970	47.5	46.4	43.7	16.9	67.1	19.8	109.5	19.3	26.1	76.2	14.3	36.8
1971	78.0	25.5	83.0	12.2	57.1	49.0	54.8	7.6	102.3	12.6	14.1	19.8
1972	36.8	55.1	19.4	50.1	121.3	29.2	108.6	33.7	119.9	108.7	29.2	0.8
1973	33.2	40.3	69.8	62.9	53.8	19.2	87.0	36.0	-	-	-	-
1974	26.8	74.3	42.6	53.9	102.2	69.2	7.2	5.7	47.8	51.7	45.1	19.6
1975	13.2	3.6	47.2	20.4	88.5	69.7	31.5	29.4	43.3	82.2	42.1	13.1
1976	31.7	18.9	5.7	50.5	110.6	85.5	183.0	38.5	26.3	93.6	-	-
1977	29.1	52.0	15.6	27.3	24.6	25.6	16.1	20.3	8.9	21.0	37.2	17.9
1978	24.3	26.5	63.2	42.4	101.2	6.1	22.4	19.7	102.2	19.7	17.5	70.2
1979	29.1	31.7	14.7	60.9	73.5	88.4	21.3	62.2	31.1	42.3	49.5	17.3
1980	55.7	10.1	35.7	35.1	146.4	42.3	6.8	11.2	33.5	99.8	44.0	66.5
1981	14.4	27.8	11.6	57.9	13.2	29.2	82.7	55.8	123.6	103.2	71.0	70.4
1982	6.8	37.5	54.0	73.0	48.3	3.5	79.4	44.3	10.9	43.0	61.3	47.9
1983	5.2	22.0	19.0	66.6	72.0	130.5	63.2	39.2	45.5	31.6	68.5	70.6
1984	25.5	80.5	50.5	52.3	38.2	27.0	39.5	51.0	34.0	3.8	46.9	37.3
1985	67.3	30.3	30.7	28.8	48.6	37.7	16.9	19.3	7.9	11.3	149.4	17.0
1986	57.3	-	25.2	22.8	40.3	41.8	51.3	2.3	9.1	47.8	15.4	21.1
1987	48.8	33.1	77.1	45.6	65.7	19.4	2.8	29.6	57.9	49.1	80.7	35.1
1988	13.6	38.6	34.2	24.4	12.1	125.2	59.1	-	18.0	36.6	75.6	28.7
1989	1.3	11.9	32.5	80.2	119.8	101.0	78.8	24.9	18.0	42.4	35.2	28.0
1990	3.5	10.2	15.4	76.2	37.1	17.9	6.1	23.9	14.1	19.2	12.1	131.4
1991	27.5	1146.4	41.5	79.3	60.6	17.2	44.5	54.9	36.8	62.5	46.4	14.5
1992	9.3	3.4	20.7	137.2	-	82.8	51.3	0.3	9.2	23.2	71.5	74.0
1993	31.4	19.6	47.6	14.3	64.5	6.9	11.3	38.7	27.9	44.2	56.4	57.5
1994	40.6	22.2	14.4	57.6	25.2	30.3	100.2	20.7	17.0	27.5	9.6	72.5
1995	76.4	26.8	74.5	51.6	73.6	50.9	150.4	70.6	84.1	0.8	36.5	151.3
1996	52.0	36.9	47.3	47.6	75.4	1.0	22.9	-	-	-	-	-
AVERAGE	34.9	63.2	41.6	50.2	67.1	48.9	54.1	28.8	38.4	45.4	53.6	51.8

N_Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
65	493.6	36.1	140	51.5	51.9	51.9
72	767.5	50.0	320	66.0	66.0	66.0
70	648.2	35.0	13	36.2	46.8	46.8
60	518.5	42.0	247	44.0	44.0	46.5
59	475.2	45.4	201	45.4	45.4	45.4
78	595.3	33.7	311	53.4	53.4	53.4
68	430.6	61.7	192	69.5	72.7	74.8
92	557.1	41.1	156	49.9	52.0	64.1
93	508.4	34.4	336	40.8	44.2	44.2
86	523.6	54.8	192	54.8	56.4	58.9
86	516.0	51.7	1	65.7	73.9	88.3
100	712.8	52.4	132	52.8	67.2	67.2
64	402.2	20.9	207	37.1	47.8	47.8
80	546.1	36.3	136	45.5	47.3	58.2
82	484.2	27.5	267	27.5	37.8	37.8
81	644.3	89.4	204	93.6	117.0	117.0
74	295.6	20.6	34	21.4	24.2	24.2
79	515.4	36.1	79	41.1	41.1	52.2
89	522.0	39.5	155	41.0	41.0	44.9
88	587.1	29.0	145	38.0	44.9	49.0
70	660.8	78.3	297	78.3	78.3	82.8
78	509.9	31.0	208	43.7	50.5	50.8
78	633.9	34.7	166	57.1	80.5	87.0
83	486.5	29.4	325	38.5	43.4	43.4
89	465.2	32.5	9	48.1	53.5	59.3
72	334.4	23.0	301	26.6	28.4	33.8
80	544.9	51.2	272	54.8	69.2	69.2
98	466.1	41.5	213	41.5	41.5	41.5
80	574.0	72.5	137	74.1	79.2	80.2
91	367.1	19.0	341	31.3	33.7	37.1
99	1632.1	1108.0	47	1118.9	1129.4	1129.8
78	482.9	53.3	345	63.2	66.3	68.9
86	420.3	38.5	277	41.7	41.7	43.4
94	437.8	41.0	204	50.6	58.9	61.4
110	847.5	80.6	200	80.6	80.6	80.6
67	283.1	27.7	150	36.1	39.6	39.6

STD DEV	23.7	199.6	26.0	25.0	33.3	35.4	42.0	18.4	32.4	29.7	40.6	35.4
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03



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Pehinja  
171  
42° 10'  
498.3

GAUGING STATION  
ELEVATION  
LONGITUDE

RST004\_Vojnik  
310  
21° 52'

Total Monthly Rainfall

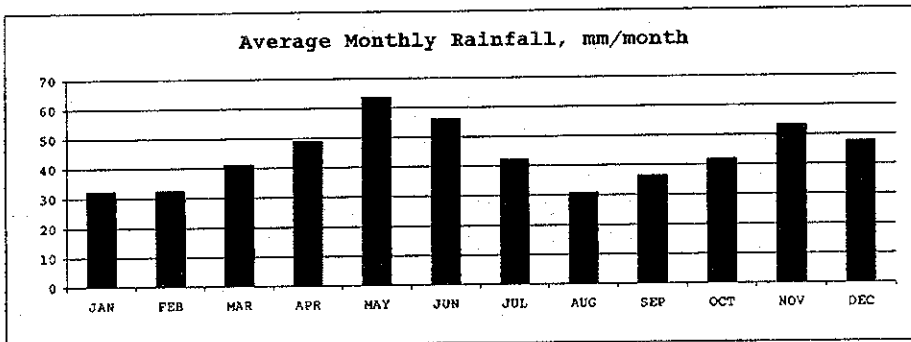
Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1961	26.4	11.2	38.2	38.2	156.2	126.2	54.8	5.3	5.3	9.9	74.3	80.2
1962	11.6	66.9	117.4	96.7	14.3	83.9	30.5	1.1	32.4	58.8	188.4	50.8
1963	104.2	59.6	45.3	45.2	73.6	44.0	20.7	40.0	11.3	107.6	56.8	45.1
1964	11.0	41.5	57.4	109.7	115.5	54.7	50.5	19.1	56.6	75.2	47.5	51.4
1965	64.9	26.4	18.8	57.4	78.9	54.4	12.2	41.8	5.1	-	29.3	110.6
1966	78.8	21.8	46.8	58.9	54.9	38.4	15.5	34.2	16.2	34.1	60.6	84.0
1967	33.1	10.1	17.2	36.8	44.6	70.7	92.2	23.1	17.0	16.7	17.3	26.2
1968	32.8	29.9	25.2	36.9	87.6	85.7	0.6	50.6	29.8	18.2	64.2	37.6
1969	21.5	72.3	75.2	48.9	13.7	51.5	14.9	28.8	19.5	-	12.1	111.4
1970	51.2	34.5	39.0	22.2	96.3	12.3	79.3	15.6	26.7	83.6	22.3	31.1
1971	42.0	30.2	78.5	9.7	61.0	45.1	48.1	49.8	96.0	9.4	7.1	6.1
1972	26.9	43.9	18.4	50.6	67.9	58.2	85.8	36.4	90.7	147.7	27.4	1.1
1973	23.4	23.1	57.8	62.7	41.7	40.5	79.3	24.5	-	-	-	-
1974	29.6	73.9	36.7	52.3	92.6	88.1	23.7	34.8	36.9	34.9	46.3	14.8
1975	8.7	5.3	59.9	19.9	73.8	91.4	6.3	32.3	15.8	47.7	38.3	12.1
1976	26.4	12.9	4.9	51.3	75.8	51.6	113.9	47.6	39.1	44.5	-	-
1977	31.5	44.4	20.3	26.3	40.0	33.9	9.9	22.8	8.6	21.8	44.2	20.6
1978	25.6	24.0	48.5	42.8	79.2	5.2	10.8	11.1	100.5	19.0	21.1	58.3
1979	-	-	-	-	-	16.7	10.8	64.6	41.3	44.3	115.8	16.9
1980	49.2	8.8	46.8	22.9	127.7	51.3	14.4	11.6	39.8	80.3	42.2	50.1
1981	19.6	29.3	18.7	60.6	16.5	78.4	30.1	53.8	136.4	79.8	71.2	67.0
1982	4.6	34.4	39.3	77.8	25.1	15.6	41.2	43.8	18.4	33.1	66.4	43.5
1983	3.1	22.7	16.3	42.5	90.1	155.0	78.9	28.2	47.3	24.3	66.2	52.6
1984	21.0	75.0	50.1	40.6	47.0	18.3	21.5	99.2	19.2	3.5	40.8	3.8
1985	73.0	29.2	43.7	21.1	57.1	40.7	11.4	40.1	5.0	8.8	143.2	13.1
1986	70.7	-	21.6	22.1	36.6	37.3	41.4	8.5	8.8	28.3	9.8	20.6
1987	40.8	38.2	80.4	32.2	94.2	18.2	1.8	24.8	60.7	42.5	88.3	37.5
1988	8.6	36.4	36.3	20.3	17.3	110.4	45.8	1.4	29.9	35.6	68.7	18.4
1989	0.7	8.8	28.2	77.0	111.7	147.2	63.5	29.5	29.9	55.7	37.6	29.6
1990	5.4	15.1	10.8	59.5	34.7	39.2	25.4	14.9	12.6	22.1	15.1	121.6
1991	18.9	40.6	41.3	82.3	74.2	16.3	67.0	17.0	26.4	55.0	37.1	-
1992	6.4	4.5	31.1	109.2	20.3	98.5	45.1	26.8	9.7	21.3	79.4	57.4
1993	22.6	20.4	52.9	14.9	23.9	10.1	5.1	7.4	18.0	47.2	47.7	46.9
1994	26.0	20.4	7.0	62.7	25.5	24.3	86.9	23.4	24.0	24.8	7.7	55.5
1995	70.2	36.8	64.3	51.1	67.2	43.4	95.1	59.5	93.1	1.7	58.7	147.6
1996	-	40.9	40.5	46.4	86.8	-	80.5	-	-	-	-	-
AVERAGE	32.1	32.2	41.0	48.8	63.5	55.9	42.1	30.7	36.1	41.8	53.1	47.6

N. Wet	Av Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
80	626.2	29.5	342	42.7	48.4	48.4
82	752.8	40.1	66	46.2	52.6	52.6
82	653.4	35.9	150	51.2	51.2	51.2
70	690.1	30.4	96	49.3	58.2	66.6
64	499.8	30.2	359	40.3	49.2	49.2
77	544.2	35.9	1	35.9	38.7	41.8
59	405.0	63.6	192	68.7	69.4	69.4
94	499.1	43.7	148	43.7	45.6	45.6
107	469.8	31.5	336	34.6	37.5	37.5
104	514.1	24.5	296	31.2	43.6	44.8
93	483.0	36.2	259	50.1	56.4	81.1
103	655.0	40.4	199	40.8	51.1	63.1
68	353.0	20.0	207	32.2	38.4	38.4
93	564.6	36.6	136	38.1	38.1	43.4
86	411.5	23.4	324	33.1	33.1	35.3
83	468.0	21.0	231	32.6	47.4	57.7
68	324.3	18.2	285	21.4	24.3	31.8
77	446.1	24.8	79	42.0	52.5	52.5
47	310.4	62.5	323	64.3	72.3	74.1
106	545.1	24.5	84	31.5	38.9	38.9
94	661.4	71.4	249	80.4	90.5	95.3
96	443.2	24.8	321	40.0	55.9	57.1
102	627.2	61.6	144	62.1	65.4	76.9
92	440.8	50.0	229	50.0	50.8	60.7
88	486.4	31.5	9	41.5	49.7	55.2
75	305.7	22.3	7	22.9	40.3	40.7
86	559.6	52.5	272	60.7	71.0	71.0
69	429.1	43.0	213	41.0	41.0	41.0
76	619.4	43.3	153	72.0	72.0	72.0
82	376.4	25.8	167	28.0	29.0	36.5
80	476.1	33.6	184	37.1	37.1	37.1
77	509.7	55.3	179	60.8	60.8	60.8
72	317.1	36.5	277	43.8	46.8	46.8
89	388.2	22.7	359	33.2	42.2	44.2
108	788.7	36.1	200	50.6	50.6	75.0
50	295.1	55.7	198	60.7	60.7	60.7

STD DEV	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	25.1	19.6	23.8	25.3	35.3	38.4	32.2	20.9	32.2	32.2	39.0	36.1

04





LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Pchinja  
166  
42° 09'  
493.4

GAUGING STATION  
ELEVATION  
LONGITUDE

RST005\_Stracin  
680  
22° 02'

Total Monthly Rainfall

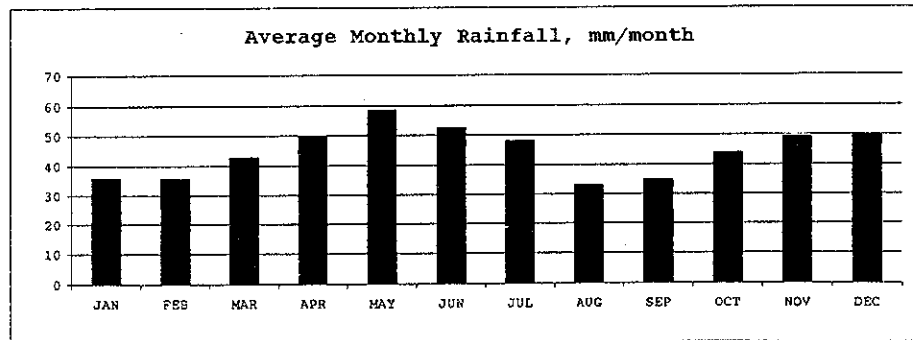
Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1961	22.7	3.5	43.2	43.2	123.3	43.0	7.1	5.2	6.0	29.8	55.8	49.0
1962	10.0	25.7	75.9	89.5	-	82.6	32.3	10.5	20.3	60.9	165.3	65.2
1963	73.3	49.5	57.6	38.1	47.8	85.5	8.0	45.5	1.7	57.1	23.1	49.6
1964	5.1	31.5	64.4	59.6	92.4	105.9	73.5	12.1	65.4	58.7	53.9	27.2
1965	67.3	43.6	19.1	56.5	42.2	69.1	21.6	35.7	5.5	0.1	34.9	94.7
1966	76.4	27.3	48.4	45.8	27.3	36.8	5.2	25.3	4.2	49.2	69.2	-
1967	34.6	11.0	14.5	48.9	26.0	49.8	130.4	37.5	23.2	39.0	25.6	33.0
1968	44.6	28.2	25.2	17.2	106.3	69.4	-	56.3	59.0	15.0	57.6	36.8
1969	47.6	124.6	75.9	46.2	15.1	83.3	52.0	26.3	23.1	-	9.1	120.0
1970	44.6	26.7	34.0	30.0	76.1	23.3	131.2	10.5	44.9	55.3	34.2	21.1
1971	50.2	36.2	88.5	9.5	63.8	27.5	115.2	13.2	87.5	10.2	14.6	36.2
1972	40.1	38.5	18.0	59.6	61.3	30.1	51.7	12.1	104.2	114.9	27.4	1.5
1973	35.0	41.0	48.7	62.2	51.8	29.6	52.3	61.4	-	-	-	-
1974	27.3	71.7	37.4	37.0	81.8	70.7	7.0	63.6	15.1	13.9	49.4	15.9
1975	20.2	-	78.0	11.0	87.8	70.7	37.7	-	25.2	54.7	20.9	36.0
1976	24.9	9.3	2.5	37.2	77.2	76.6	169.3	32.2	18.9	104.5	-	-
1977	24.0	54.3	28.6	17.3	38.5	36.5	6.5	14.9	14.9	34.7	39.7	30.0
1978	13.4	41.4	14.4	49.2	80.2	15.0	22.3	3.0	47.4	25.1	20.0	60.5
1979	53.0	31.4	22.1	45.6	46.8	30.5	4.0	72.9	39.2	40.3	95.3	17.7
1980	39.9	8.5	52.2	42.6	101.3	63.1	5.5	11.7	44.7	119.1	42.0	74.0
1981	30.6	27.3	19.9	47.4	31.5	27.5	44.0	50.3	130.1	83.1	64.9	87.5
1982	7.2	44.3	33.0	121.1	53.4	3.4	22.4	42.0	17.9	42.0	76.9	42.6
1983	11.4	13.8	24.4	17.4	44.9	147.6	116.9	87.0	51.1	18.3	62.0	47.7
1984	31.3	73.2	56.3	36.7	28.0	24.0	18.4	89.1	48.7	-	31.9	-
1985	91.8	44.3	100.0	33.8	133.1	33.9	18.2	23.3	5.0	9.7	93.7	9.9
1986	61.5	-	54.0	29.8	34.2	57.6	79.4	11.8	7.5	21.9	6.0	17.6
1987	54.5	21.6	65.5	48.8	60.0	14.6	1.3	19.1	59.5	38.2	67.2	32.3
1988	9.2	41.1	24.9	-	50.5	93.8	24.2	0.5	25.6	21.4	77.2	46.8
1989	-	7.6	30.1	80.8	87.7	112.9	96.4	46.1	25.6	50.9	23.0	11.5
1990	-	-	-	76.7	27.3	29.6	24.5	8.6	13.2	31.6	8.5	148.5
1991	12.3	77.2	38.0	84.9	73.7	25.4	27.2	31.2	20.9	56.0	61.6	18.0
1992	-	8.8	29.2	82.6	24.2	71.7	35.7	12.0	10.0	21.1	64.0	83.4
1993	-	36.3	62.7	-	21.8	19.5	3.7	18.2	30.4	42.5	73.0	54.5
1994	14.4	16.0	4.9	74.8	22.4	45.4	91.0	-	-	35.8	-	49.3
1995	38.7	23.5	55.6	38.4	58.9	31.2	91.8	95.8	50.8	-	21.5	125.5
1996	26.0	31.7	50.5	61.0	49.0	-	52.0	-	-	-	-	-
AVERAGE	35.7	35.5	42.8	49.4	58.5	52.5	48.0	32.9	34.7	44.0	49.0	49.8

N Wet	Av Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
54	431.8	27.0	286	32.1	36.7	43.0
70	638.2	40.1	320	51.2	51.2	52.8
60	536.8	42.0	243	45.5	48.0	51.0
59	649.7	48.0	168	57.0	65.0	68.8
52	490.3	24.1	336	42.2	48.3	51.2
44	415.1	28.0	1	28.0	30.3	36.1
41	473.5	67.5	192	67.5	67.5	67.5
42	515.6	59.0	269	59.0	59.0	66.0
62	623.2	41.1	159	41.1	49.2	55.4
51	531.9	90.0	186	103.0	123.1	123.1
51	552.6	93.1	211	96.2	96.2	96.2
89	559.4	32.1	278	37.1	41.1	55.2
50	382.0	25.0	239	40.0	40.5	45.2
65	490.8	37.6	234	37.6	43.6	53.1
52	442.2	34.0	352	34.0	39.3	41.3
54	552.6	65.0	206	80.0	80.0	90.0
50	339.9	20.0	285	31.2	34.7	34.7
57	391.9	22.3	197	22.3	27.5	27.5
83	498.8	60.0	323	62.8	69.6	72.4
90	604.6	37.3	285	42.2	56.9	58.5
82	644.1	58.0	297	58.0	85.4	97.7
91	506.2	26.7	106	46.5	67.3	67.3
95	642.5	61.0	167	74.2	86.5	91.0
82	437.6	30.9	41	34.5	34.9	34.9
85	596.7	54.0	151	61.2	71.4	74.9
75	381.3	19.0	199	19.0	30.0	30.0
77	482.6	47.5	272	60.5	72.7	72.7
79	415.2	23.0	213	37.5	43.7	46.3
80	580.6	47.3	208	52.8	55.4	56.6
47	368.5	25.2	341	46.2	48.4	48.4
54	526.4	31.2	228	45.0	53.3	53.3
52	442.7	48.0	345	56.9	63.6	65.9
26	362.6	42.5	277	54.5	54.5	54.5
27	354.0	29.5	359	39.0	41.7	45.5
46	631.7	44.5	339	51.0	59.7	59.7
30	270.2	41.0	213	41.0	41.4	45.1

STD DEV	22.1	24.6	24.0	24.6	30.2	32.5	44.6	26.5	29.9	29.6	32.8	35.8
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05



LOCATION Pchinja  
 STATION ID 162  
 REGISTRY NUMBER  
 LATITUDE 42° 17'  
 AVERAGE ANNUAL TOTAL 653.3

GAUGING STATION  
 ELEVATION  
 LONGITUDE 22° 07'

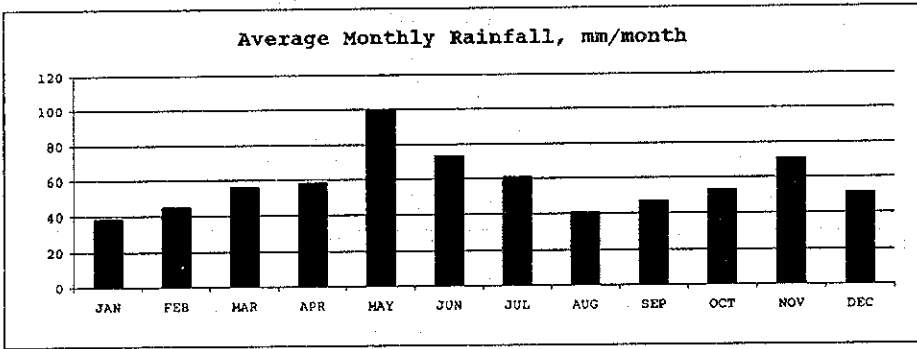
RST006\_German  
 1340

Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	34.9	24.6	47.0	47.0	138.3	77.9	20.0	7.0	3.0	31.5	136.8	65.4	71	633.4	37.9	322	53.8	65.0	65.0
1962	22.1	31.5	140.7	80.8	23.2	30.3	21.7	5.1	15.8	32.4	84.8	18.6	96	507.0	45.0	321	46.9	47.4	47.4
1963	37.4	29.9	25.2	33.1	174.0	57.9	26.5	40.7	9.4	38.5	78.2	16.3	75	567.1	49.6	320	49.6	52.5	54.9
1964	1.1	46.7	21.7	91.3	199.2	41.4	38.2	10.8	94.3	81.0	134.0	53.4	76	813.1	47.0	151	93.3	121.3	121.3
1965	62.4	64.5	45.8	63.4	72.6	99.1	48.6	42.7	-	-	75.8	64.3	78	639.2	40.0	147	42.5	45.0	65.7
1966	100.0	59.1	53.1	49.0	83.6	108.4	28.0	44.1	17.0	79.9	121.4	97.1	104	840.7	35.7	154	47.0	50.0	52.7
1967	36.2	18.4	21.6	80.5	73.9	61.8	137.2	60.8	58.1	44.1	4.7	63.3	103	660.6	56.5	184	74.5	76.7	76.7
1968	44.9	32.2	11.6	22.5	122.9	96.4	2.3	85.0	57.5	18.5	90.0	78.4	101	662.2	31.0	156	42.9	55.2	62.3
1969	59.3	123.6	100.1	74.2	19.6	120.6	97.8	81.0	11.7	-	65.6	115.7	99	869.2	50.4	222	64.6	65.3	65.3
1970	77.9	71.6	67.4	37.9	140.8	73.0	124.3	37.7	40.8	107.5	42.3	73.8	106	893.0	67.2	187	91.9	91.9	91.9
1971	73.0	59.9	100.1	32.2	127.0	32.1	26.4	23.7	143.1	26.3	23.1	34.1	80	701.0	69.1	259	96.4	108.7	108.7
1972	37.4	40.5	24.2	56.0	56.3	23.2	83.7	42.9	151.7	135.2	14.8	3.2	94	669.1	39.6	206	58.1	58.1	68.4
1973	38.4	35.4	44.8	87.8	60.1	58.4	121.6	56.0	-	-	-	-	56	502.5	47.4	183	66.8	85.1	94.8
1974	30.8	74.0	37.3	28.9	75.2	78.8	12.9	25.5	20.4	26.6	10.6	15.7	92	436.7	32.5	173	33.1	39.6	39.8
1975	7.9	1.1	71.1	1.8	96.4	89.6	42.8	11.8	28.3	81.8	52.1	11.0	87	495.7	26.1	324	41.4	42.9	49.2
1976	25.6	13.7	4.0	43.7	57.4	72.9	171.0	34.9	25.8	106.7	-	-	86	555.7	58.0	207	76.2	77.5	86.8
1977	33.9	42.0	28.7	27.7	34.2	46.5	6.9	35.1	20.2	30.1	49.7	17.3	70	372.3	26.0	284	28.2	28.2	30.9
1978	53.4	64.8	76.1	82.1	69.5	28.7	24.8	2.9	142.8	12.9	41.2	52.9	99	652.1	36.6	79	45.2	55.1	56.8
1979	16.4	18.5	58.9	21.0	11.5	102.0	22.3	104.3	32.3	57.6	119.7	27.2	103	591.7	49.0	323	56.3	75.2	82.5
1980	24.6	38.0	93.6	50.4	125.2	48.5	1.2	17.9	63.4	72.4	87.4	118.0	104	740.6	25.1	295	40.3	54.9	54.9
1981	55.5	85.9	39.6	73.2	29.8	19.8	78.5	92.8	74.8	104.8	129.5	81.9	86	866.1	63.3	297	64.1	66.5	66.5
1982	25.6	47.8	88.6	79.2	41.2	49.7	94.7	80.4	33.6	25.2	80.5	62.4	106	708.9	43.5	79	57.5	62.9	79.1
1983	40.9	8.0	77.6	40.4	58.3	137.9	171.0	62.5	66.4	30.4	53.7	62.1	92	809.2	38.8	211	57.3	72.5	91.0
1984	45.3	70.5	67.4	29.0	31.6	20.1	14.7	76.9	58.0	11.9	33.7	31.5	108	490.6	21.0	270	27.2	27.2	33.2
1985	55.4	51.9	43.6	49.1	153.9	48.6	12.5	34.3	5.0	2.0	210.6	6.2	70	673.1	39.5	331	56.0	72.0	78.5
1986	69.8	-	17.1	9.7	71.4	39.3	84.1	22.6	4.6	31.4	2.5	32.7	67	385.2	55.1	200	57.2	57.2	58.9
1987	77.0	29.8	101.8	37.8	172.6	29.0	16.4	30.9	40.6	60.4	77.8	56.5	93	732.4	43.1	90	71.1	71.5	71.7
1988	18.1	58.5	92.3	9.1	36.1	211.1	37.8	-	30.1	39.4	73.7	26.9	88	633.1	52.0	181	52.0	52.0	84.0
1989	3.7	12.0	79.8	54.2	298.6	211.4	246.8	19.3	30.1	76.4	31.4	34.9	86	1098.6	52.7	158	84.8	120.0	148.7
1990	2.7	28.7	31.5	240.9	296.6	71.8	5.2	21.3	79.2	94.8	66.9	161.1	78	1100.7	52.3	140	74.4	84.4	98.8
1991	30.1	73.8	45.3	171.6	153.8	50.4	61.1	46.6	20.6	25.3	89.9	17.5	95	786.0	46.1	138	59.0	67.4	83.5
1992	2.6	28.4	37.8	48.6	90.6	98.4	-	-	20.2	-	35.6	38.7	55	400.9	31.0	146	31.0	33.1	58.1
1993	17.2	-	49.2	-	-	-	-	5.3	-	-	-	-	14	71.7	27.1	87	30.5	30.5	42.3
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AVERAGE	38.3	44.7	55.9	57.9	99.9	73.0	60.7	40.7	46.6	53.0	70.6	51.2							
STD DEV	24.6	26.5	31.8	46.5	72.4	47.6	60.3	28.1	41.2	35.1	46.5	37.2							

90



LOCATION Fchinja  
 STATION ID 164  
 REGISTRY NUMBER  
 LATITUDE 42° 08'  
 AVERAGE ANNUAL TOTAL 588.7

GAUGING STATION  
 ELEVATION  
 LONGITUDE 22° 03'

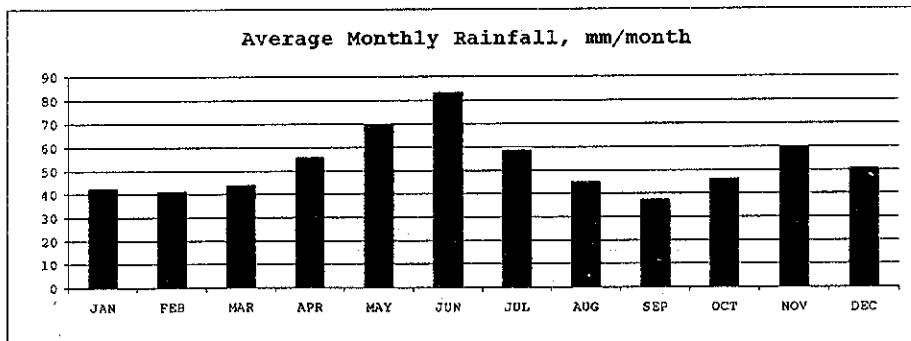
RST007\_Trnovac  
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Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N. Wet	Av Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	22.4	9.0	38.1	38.1	113.1	37.6	45.4	15.7	11.5	28.9	96.4	35.7	60	491.9	32.3	310	47.1	50.2	50.2
1962	9.8	34.8	121.5	79.2	22.0	59.2	30.4	15.6	15.0	53.8	198.5	40.3	85	680.1	38.1	75	50.4	53.6	54.5
1963	95.6	99.7	57.3	49.9	48.7	45.4	20.2	55.0	1.0	55.2	47.6	34.4	95	610.0	53.2	243	53.2	53.2	54.8
1964	8.6	31.5	45.8	63.6	73.5	93.4	135.5	46.3	62.6	53.2	73.3	37.6	96	724.9	46.1	170	61.5	64.6	72.8
1965	63.4	34.8	28.4	69.3	45.1	79.2	35.3	63.0	4.4	-	31.7	96.9	80	551.5	23.7	20	31.6	50.5	50.5
1966	86.3	48.4	36.5	65.1	44.0	43.7	17.3	32.5	18.9	90.3	72.0	109.3	82	664.3	40.3	279	40.3	42.1	43.2
1967	26.5	9.0	20.3	57.7	53.6	68.0	121.7	42.1	24.5	27.3	40.2	64.6	72	555.5	47.3	192	58.0	58.0	59.3
1968	40.4	42.0	29.1	17.6	95.9	54.6	1.2	47.9	50.2	8.3	68.4	69.4	73	525.0	31.5	136	37.2	39.7	55.8
1969	59.5	111.1	90.2	57.1	23.4	75.0	40.0	13.9	17.4	-	12.2	135.9	85	635.7	35.4	159	43.3	43.3	45.7
1970	51.4	57.0	35.6	18.8	113.6	13.1	183.4	82.8	41.8	96.2	20.4	29.8	78	743.9	61.2	234	83.0	114.5	149.2
1971	58.1	33.6	97.6	8.0	80.6	35.5	93.3	20.5	96.6	23.7	21.5	6.8	69	575.8	54.3	211	64.4	71.1	81.3
1972	60.3	56.9	26.1	112.2	122.7	104.1	103.7	96.1	234.7	241.7	63.4	0.5	111	1222.4	62.0	278	66.4	66.4	81.2
1973	34.1	40.7	84.3	95.8	110.5	67.2	143.5	129.7	-	-	-	-	81	705.8	69.2	241	81.0	119.0	119.9
1974	80.8	67.5	52.9	85.5	119.8	129.6	68.3	38.1	47.0	51.6	83.3	30.1	112	854.5	48.6	168	48.6	50.2	50.2
1975	38.3	27.6	64.9	26.1	143.6	169.8	68.9	36.8	54.3	81.7	83.5	50.5	117	846.0	37.2	179	56.0	58.4	62.7
1976	44.5	31.1	38.8	62.5	42.9	99.0	170.9	76.4	45.2	99.7	-	-	107	711.0	45.0	207	74.0	74.0	87.8
1977	62.9	70.5	61.6	65.0	71.8	-	63.0	78.0	17.1	32.2	62.7	49.0	90	633.8	53.0	199	53.0	53.0	53.9
1978	17.9	35.6	40.4	54.5	55.9	8.6	13.2	44.0	38.9	14.2	7.5	-	65	330.7	27.5	243	27.5	27.5	27.5
1979	141.9	65.2	25.0	93.7	113.0	11.2	8.4	41.0	2.1	9.6	89.2	10.0	94	610.3	66.5	323	68.4	70.6	73.6
1980	78.4	6.0	11.7	34.4	70.0	17.6	8.6	17.9	42.4	76.0	46.3	57.4	86	467.5	30.6	270	32.4	35.1	37.3
1981	23.0	52.4	24.7	50.0	54.3	6.8	11.7	36.2	113.3	87.1	-	157.3	74	616.8	53.6	297	59.8	74.5	75.6
1982	6.0	52.4	34.6	92.0	56.9	14.6	43.0	46.6	17.0	11.0	85.2	77.6	101	536.9	34.8	321	59.8	74.6	79.8
1983	9.0	24.5	20.9	38.4	74.4	130.7	185.4	46.6	57.2	22.1	71.8	52.3	96	733.3	50.0	189	59.6	83.0	88.5
1984	27.6	71.9	38.9	40.4	23.2	22.4	13.0	86.4	46.7	8.5	30.3	25.5	67	434.8	37.5	41	40.4	40.4	40.4
1985	75.1	56.6	63.8	33.9	117.6	19.8	12.9	23.2	4.6	9.2	127.9	10.6	67	555.2	58.8	133	61.4	68.8	71.3
1986	61.2	-	38.7	29.7	22.5	33.2	71.0	-	8.3	20.7	7.9	20.4	54	313.6	35.5	199	38.3	38.3	38.3
1987	54.5	25.2	66.3	61.3	50.0	18.8	-	14.8	45.7	34.8	75.9	43.1	65	490.4	40.0	90	73.1	77.1	77.1
1988	12.2	34.6	28.3	67.2	73.2	112.9	28.0	-	19.6	19.7	112.8	17.1	85	525.6	36.3	328	44.4	50.9	53.6
1989	5.7	6.6	12.4	105.7	102.4	89.1	56.3	94.2	19.6	39.1	64.7	23.4	59	619.2	47.3	242	51.4	52.7	54.0
1990	3.0	8.8	7.7	41.7	21.5	20.3	15.2	9.0	13.6	21.0	14.0	116.2	38	292.0	24.0	346	34.0	34.0	34.0
1991	15.5	74.3	51.6	82.2	70.8	28.7	-	-	21.0	48.9	61.5	13.5	46	468.0	26.0	117	37.1	47.3	52.2
1992	0.8	5.3	9.8	69.0	93.4	991.1	36.1	7.0	5.5	5.4	-	64.7	49	1288.1	939.0	162	939.0	948.8	954.1
1993	10.0	37.8	42.7	8.1	-	-	2.3	13.0	14.8	39.9	15.1	36.8	28	220.5	33.2	277	38.6	39.9	39.9
1994	26.0	-	-	53.7	3.4	29.0	29.2	12.8	16.4	15.6	10.2	34.3	43	230.6	24.8	111	36.8	36.8	36.8
1995	69.2	9.5	37.3	31.7	47.7	12.9	98.4	47.5	35.3	-	51.9	61.9	53	503.3	34.5	200	48.8	48.8	48.8
1996	41.9	22.7	47.4	43.9	56.5	-	13.1	-	-	-	-	-	33	225.5	21.2	26	25.7	28.1	28.1
AVERAGE	42.3	41.0	43.7	55.6	69.5	83.1	58.5	44.7	37.2	46.0	59.6	50.4							
STD DEV	31.9	26.3	25.7	26.6	35.5	168.3	54.5	30.3	43.3	46.3	41.3	38.0							

07



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Fchinja  
161  
42° 05'  
637.0

GAUGING STATION  
ELEVATION

RST008\_Kratovo - kl  
640

LONGITUDE

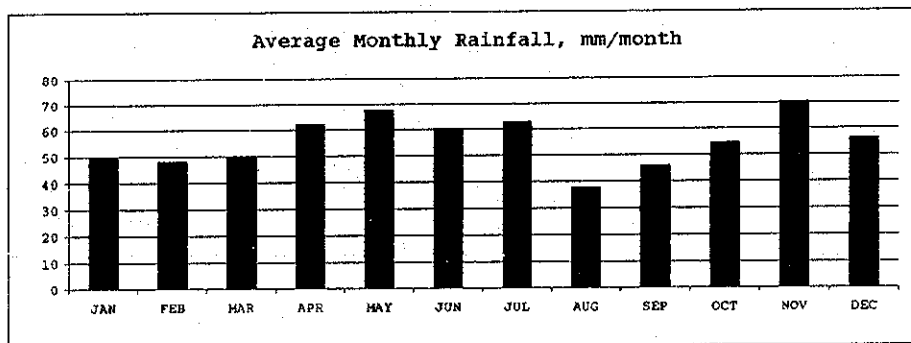
22° 09'

Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day	
1961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1962	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1963	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1964	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1965	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1966	158.0	25.1	52.2	46.6	65.5	53.6	35.9	37.3	25.9	122.0	120.1	173.9	97	916.1	61.2	287	61.2	61.2	61.9	
1967	46.6	7.2	46.2	92.2	52.5	98.4	90.4	23.2	42.3	33.6	25.6	101.9	82	660.1	51.0	192	57.7	63.8	68.4	
1968	65.8	69.9	46.7	22.0	175.9	78.0	-	64.3	54.0	12.3	86.8	101.9	99	777.6	50.2	136	68.2	108.3	113.3	
1969	112.6	215.6	110.5	81.1	27.1	50.8	87.8	4.1	12.2	-	17.8	151.2	95	870.8	59.4	37	67.0	67.0	67.0	
1970	68.4	85.2	48.4	67.8	84.3	7.5	142.9	77.6	7.5	114.6	-	32.4	94	736.6	40.2	186	56.9	68.7	81.4	
1971	45.4	58.1	87.7	11.1	65.5	41.0	75.0	16.7	66.9	15.6	16.6	24.9	95	524.5	34.2	211	41.3	42.5	55.8	
1972	87.9	71.5	24.1	67.5	73.0	45.9	44.1	26.0	123.2	167.5	67.3	0.0	111	798.0	38.1	30	66.4	67.9	83.8	
1973	29.6	60.7	63.1	66.3	59.0	39.9	125.1	62.9	-	-	-	-	50	506.6	59.9	182	79.7	79.7	92.0	
1974	40.3	35.6	61.9	25.1	112.0	75.6	18.7	30.3	17.5	43.6	78.2	34.5	74	573.3	37.4	305	41.2	41.6	45.4	
1975	31.2	15.6	108.3	13.6	69.5	144.0	20.3	15.0	38.2	104.9	95.7	21.1	98	677.4	45.0	324	61.2	61.5	67.1	
1976	40.3	21.4	17.2	74.3	80.3	117.3	262.1	113.7	34.2	129.2	-	-	93	890.0	69.0	206	115.5	133.5	143.1	
1977	47.6	52.6	42.3	31.8	68.1	62.0	136.9	35.7	8.6	24.8	67.8	14.6	78	592.8	54.5	204	82.9	104.6	107.4	
1978	56.7	50.4	72.9	81.7	81.9	17.3	24.3	12.4	127.5	17.7	51.2	79.5	106	673.5	42.0	334	43.3	49.9	53.2	
1979	94.0	37.4	44.2	90.5	80.6	100.6	20.5	101.5	42.2	48.5	143.7	38.0	120	841.7	54.3	323	61.3	83.5	90.5	
1980	60.1	8.1	81.4	39.2	171.7	51.3	14.2	45.5	61.1	177.2	64.3	72.6	115	846.7	40.8	270	73.0	88.2	97.0	
1981	41.7	35.8	15.2	62.7	40.8	38.9	48.0	66.0	78.4	76.0	56.7	43.7	85	603.9	50.5	297	51.5	51.5	53.8	
1982	12.7	31.5	37.5	94.1	43.7	6.3	32.7	47.6	24.3	24.0	84.0	34.4	80	472.8	26.8	321	51.8	74.0	74.0	
1983	6.0	15.1	17.4	26.3	42.8	118.3	75.8	53.8	67.5	15.2	63.6	36.9	70	538.7	35.0	167	49.8	60.6	66.8	
1984	18.8	99.7	43.0	36.7	17.8	20.8	14.4	49.9	46.3	10.8	70.5	37.3	87	466.0	35.2	325	41.2	56.7	62.7	
1985	81.6	62.1	86.3	49.5	81.5	29.6	12.0	31.4	6.3	12.6	149.4	8.4	94	610.9	43.0	329	55.3	66.8	69.6	
1986	70.2	-	37.8	36.2	40.1	52.0	84.5	5.9	11.3	27.7	12.9	9.1	77	387.7	32.5	198	36.6	45.0	45.8	
1987	53.4	38.2	98.0	92.0	109.6	22.4	-	-	25.6	50.9	94.6	38.3	89	623.0	54.5	82	65.4	77.8	77.8	
1988	6.9	69.1	48.9	52.2	37.8	84.3	10.8	28.3	60.6	21.7	137.1	30.7	96	588.4	38.2	262	55.8	57.3	58.0	
1989	0.9	24.2	16.6	146.6	47.5	172.0	79.8	27.1	60.6	69.0	38.8	22.8	89	705.9	58.8	154	73.0	85.0	85.0	
1990	-	18.6	3.5	85.8	36.3	47.2	29.6	14.0	16.8	25.2	14.2	151.3	86	442.5	26.8	101	46.5	50.7	65.4	
1991	13.7	65.5	18.6	112.9	99.2	55.9	40.4	29.2	18.5	59.3	76.0	16.7	86	605.9	25.2	156	48.0	48.0	48.0	
1992	4.7	5.7	28.5	102.7	40.5	96.3	30.8	1.2	5.6	20.1	83.4	60.8	86	480.3	35.6	345	37.6	56.0	58.0	
1993	22.3	20.5	68.5	30.4	48.3	5.3	9.2	7.2	14.8	36.6	69.6	74.9	80	407.6	38.7	87	51.0	51.3	51.5	
1994	-	19.5	6.6	76.8	17.7	69.7	71.9	16.9	36.7	40.2	7.8	79.5	79	443.3	36.0	359	52.4	62.4	66.9	
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	60.5	68.9	61.2	47.7	55.8	0.2	118.2	42.2	189.1	20.5	105.5	76.1	126	845.9	72.8	198	77.9	77.9	77.9	
AVERAGE	49.2	47.9	49.8	62.1	67.5	60.1	62.7	37.5	45.6	54.3	70.3	56.0								
STD DEV	36.0	41.0	29.7	32.4	37.8	42.2	56.4	28.0	41.9	48.2	39.9	45.6								

Average Monthly Rainfall, mm/month



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Pehinja  
156  
42° 12'  
606.3

GAUGING STATION  
ELEVATION

RST009\_Kriva Palanka  
691

LONGITUDE

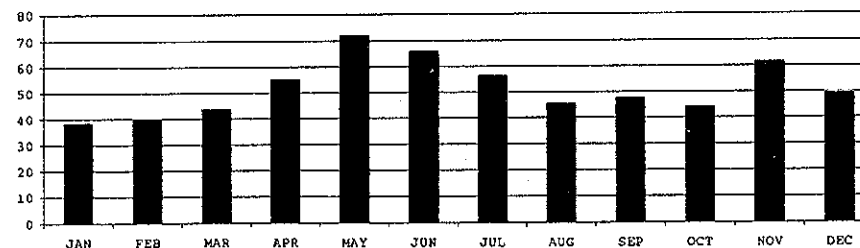
22°20'

Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N. Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	38.9	7.3	35.8	35.8	179.9	34.0	41.3	4.7	9.2	27.7	132.4	66.0	78	613.0	47.2	311	81.7	92.0	92.2
1962	16.5	37.1	138.5	52.4	29.6	65.8	46.6	40.2	14.6	50.8	135.1	50.1	140	677.3	31.4	320	53.5	53.9	53.9
1963	82.3	92.2	56.4	65.8	50.5	51.1	36.3	24.6	4.4	62.2	32.4	48.0	133	606.2	26.2	13	35.7	39.3	46.9
1964	1.3	26.6	44.8	75.9	94.9	45.3	56.6	42.3	77.3	75.1	77.7	58.5	137	676.3	39.7	117	60.0	60.0	60.0
1965	50.7	31.4	17.2	77.2	76.8	87.1	65.5	31.9	7.8	-	50.7	96.4	122	592.7	35.6	201	55.0	55.0	55.0
1966	91.7	78.3	45.6	53.9	80.3	82.8	19.5	61.1	13.3	57.5	101.7	83.4	137	769.1	49.5	44	51.4	59.5	60.9
1967	33.5	7.9	29.7	65.7	45.0	99.4	65.3	32.6	43.5	20.6	31.9	59.9	110	535.0	30.2	192	52.7	52.7	55.8
1968	51.8	43.6	29.1	8.1	72.3	125.8	14.8	54.8	67.5	1.9	42.7	49.4	114	561.8	45.2	156	46.6	46.6	53.8
1969	72.6	104.9	56.3	70.3	41.1	84.9	41.6	33.8	21.7	0.5	21.3	106.5	145	655.5	37.8	1	38.4	48.2	50.2
1970	51.5	68.8	54.4	33.2	104.8	45.8	172.4	9.4	11.9	76.1	29.6	23.0	128	680.9	97.0	186	126.2	127.0	130.4
1971	59.0	42.4	93.0	12.8	62.9	47.9	39.1	19.5	84.9	16.8	33.3	20.4	124	532.0	27.7	260	36.1	49.0	57.4
1972	33.1	29.3	13.0	33.2	42.5	25.5	75.0	67.4	157.2	119.8	42.3	0.0	131	638.3	48.6	272	63.4	68.0	76.0
1973	24.6	44.9	32.8	127.4	43.2	59.8	74.4	91.0	-	-	-	-	88	498.1	38.3	207	47.5	54.2	69.1
1974	24.9	59.8	27.2	29.2	134.5	123.6	23.0	49.4	18.8	65.2	40.2	45.2	135	641.0	39.0	136	40.8	42.1	51.3
1975	28.1	8.1	71.8	27.1	93.0	113.3	50.0	32.0	50.1	106.6	79.1	10.1	130	669.3	48.9	324	50.2	50.8	70.0
1976	32.2	8.5	15.6	48.9	66.6	107.7	185.1	104.3	29.7	82.3	-	-	132	681.9	55.2	211	75.2	85.3	85.6
1977	50.9	45.0	27.5	37.1	68.2	91.0	64.8	55.3	26.7	23.7	62.2	29.2	124	581.6	33.9	221	36.1	37.4	39.1
1978	40.5	50.2	76.1	47.7	116.7	60.7	32.0	25.0	152.4	28.6	27.6	54.8	129	712.3	49.2	256	62.8	62.8	63.9
1979	58.9	28.6	29.6	83.4	29.9	57.8	54.9	142.6	30.3	43.3	129.1	17.0	134	705.4	62.5	323	64.4	79.2	81.1
1980	66.5	12.5	61.8	39.9	132.1	48.5	11.2	30.6	32.4	111.9	45.6	70.6	142	663.6	27.0	295	46.3	58.7	64.5
1981	36.6	41.0	34.3	30.7	69.9	24.6	57.7	59.4	98.2	75.9	98.1	71.4	133	697.8	53.8	320	58.1	58.9	61.7
1982	7.2	19.2	35.3	84.3	70.3	26.4	46.2	65.0	7.0	24.1	85.9	68.2	123	539.1	27.5	321	55.0	77.0	78.4
1983	21.8	49.5	24.9	32.5	33.5	111.9	118.5	47.7	74.8	18.7	62.2	23.9	126	619.9	54.0	248	56.6	60.0	66.6
1984	36.3	61.6	63.0	28.1	26.1	24.9	19.4	88.7	41.3	7.4	36.4	18.1	136	451.3	28.2	41	32.1	35.1	35.3
1985	64.4	57.5	62.2	40.1	119.2	53.8	20.4	31.8	15.1	11.4	107.2	11.6	122	594.7	30.1	79	37.3	51.4	52.4
1986	68.2	-	31.1	30.4	74.3	41.3	84.0	5.6	11.4	31.5	3.4	26.6	104	407.8	39.1	199	40.2	40.3	41.6
1987	57.6	23.9	61.9	86.7	85.7	13.3	16.1	40.9	84.9	48.0	92.4	37.7	135	649.1	53.3	272	78.4	91.7	91.7
1988	10.0	56.0	54.3	42.2	36.5	93.9	6.0	17.3	47.9	24.6	92.9	32.0	128	513.6	25.0	58	43.1	44.7	45.3
1989	2.5	19.7	27.1	88.8	98.9	142.1	138.0	62.0	47.9	71.0	40.7	33.1	121	771.6	48.8	185	51.2	78.6	78.6
1990	2.3	22.7	13.7	56.7	35.1	32.3	34.9	44.1	34.5	27.7	22.4	117.8	122	444.2	36.4	222	37.6	42.3	45.7
1991	17.6	56.8	17.3	113.3	106.0	20.4	49.5	31.3	33.8	58.7	80.9	26.1	132	611.7	28.9	295	51.8	51.8	51.8
1992	1.7	11.0	23.8	83.3	53.2	147.3	95.1	19.6	13.6	33.4	53.0	32.3	127	567.3	40.5	195	57.2	67.0	71.7
1993	14.2	19.1	60.8	33.5	24.7	13.1	7.5	9.4	21.4	38.1	46.5	72.0	112	360.3	33.7	87	42.3	45.0	46.5
1994	22.9	19.0	9.8	110.3	23.4	74.3	49.3	36.9	23.5	27.1	11.3	34.5	113	442.3	30.0	97	39.7	41.9	42.9
1995	69.5	31.5	43.4	48.9	74.4	75.7	82.8	79.7	106.3	2.5	77.1	111.5	157	803.3	49.6	339	51.4	55.7	61.3
1996	30.6	62.0	46.2	50.1	90.8	13.8	30.7	40.0	146.9	24.3	60.3	64.7	151	660.4	29.1	132	39.3	44.6	49.6
AVERAGE	38.1	39.4	43.5	55.1	71.9	65.7	56.3	45.3	47.5	44.0	61.3	49.1							
STD DEV	24.4	24.4	25.8	28.5	36.5	38.1	42.5	29.3	42.6	31.8	35.0	30.2							

Average Monthly Rainfall, mm/month



LOCATION Bregalnica  
 STATION ID 185  
 REGISTRY NUMBER  
 LATITUDE 42° 05'  
 AVERAGE ANNUAL TOTAL 760.8

GAUGING STATION  
 ELEVATION 920

RST010\_Sasa  
 920

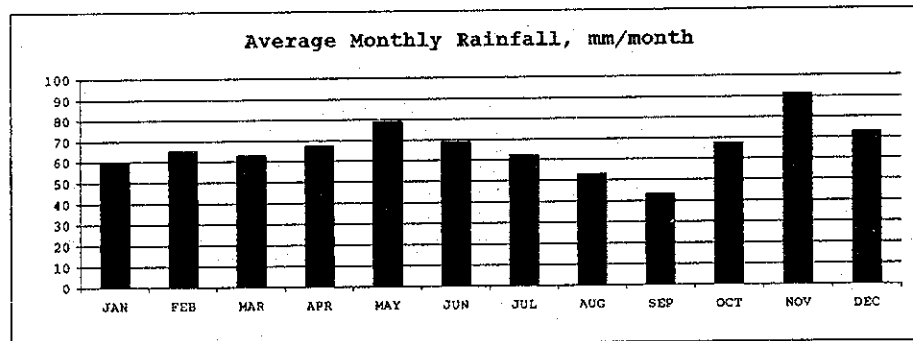
LONGITUDE 22° 38'

Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N_Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	22.1	8.8	48.7	48.7	145.5	62.4	24.0	13.8	13.2	18.3	139.8	49.6	97	594.9	49.3	311	89.8	96.2	97.2
1962	28.8	73.5	184.6	91.7	50.7	88.5	77.3	30.1	18.8	117.1	221.4	91.7	145	1074.2	59.2	320	89.5	89.9	90.7
1963	168.0	227.0	91.8	62.1	85.0	87.1	17.9	42.2	15.7	67.8	45.6	117.8	144	1028.0	60.9	51	78.5	96.0	113.2
1964	18.5	44.3	80.1	63.7	92.8	40.9	62.1	30.6	124.0	115.8	150.3	73.1	130	904.2	65.8	284	67.2	67.2	67.2
1965	107.6	78.3	33.0	132.4	83.9	66.2	39.2	37.0	8.2	0.8	58.5	136.4	123	781.5	39.0	20	51.2	61.2	77.4
1966	188.4	83.8	56.2	46.4	71.2	89.5	21.7	68.6	32.3	101.3	148.7	129.8	134	1037.9	65.4	220	65.4	66.3	70.4
1967	64.2	11.9	17.0	56.8	69.1	69.9	186.7	34.0	61.2	44.8	31.5	96.2	103	745.3	48.0	189	53.1	58.7	103.0
1968	87.4	74.7	42.2	12.6	65.0	130.0	4.6	89.2	34.3	15.8	97.2	93.4	119	746.4	33.8	156	45.0	46.0	49.3
1969	81.9	146.5	134.3	71.5	76.2	94.8	43.5	58.4	51.6	-	63.5	168.2	149	990.4	53.5	122	62.4	65.9	65.9
1970	92.0	137.0	97.6	54.9	107.8	35.2	83.1	34.8	11.9	185.5	38.4	55.2	140	923.4	39.8	296	65.4	65.4	77.0
1971	95.6	42.8	122.8	18.1	80.9	69.2	52.3	40.1	99.3	17.7	55.4	20.6	124	704.8	46.7	1	52.1	52.1	62.1
1972	105.4	106.8	22.4	102.4	64.0	34.0	177.6	50.9	190.4	165.0	47.7	0.5	144	1067.1	74.3	204	101.0	121.0	126.5
1973	54.7	60.9	71.2	76.4	43.7	47.0	132.0	89.6	-	-	-	-	102	575.5	32.3	207	45.0	57.5	63.5
1974	81.0	68.3	101.1	59.0	140.0	126.1	11.3	43.7	27.8	108.2	91.8	45.4	127	903.7	44.5	66	60.8	71.4	77.1
1975	24.1	8.8	103.2	30.6	74.5	92.1	102.9	86.0	50.6	131.3	117.2	35.5	118	856.0	63.0	324	63.4	87.8	88.6
1976	40.2	40.0	48.3	66.3	95.8	114.2	127.6	119.5	13.0	141.6	-	-	116	806.5	48.1	158	72.6	80.5	80.5
1977	59.9	51.3	21.2	57.1	70.4	95.9	91.6	32.1	26.6	21.0	94.9	27.8	95	649.8	71.0	205	79.1	79.1	79.1
1978	58.4	63.5	86.0	118.2	152.1	59.5	25.0	22.7	94.6	18.3	24.1	68.6	121	791.0	27.8	149	55.0	72.1	72.8
1979	84.5	53.7	50.8	101.1	50.0	62.2	47.0	98.7	22.7	90.4	111.7	28.2	122	801.0	36.4	323	49.6	71.8	73.1
1980	69.6	8.8	75.8	57.6	172.8	29.0	18.8	24.5	22.8	146.8	71.3	109.1	126	806.9	39.3	293	44.5	66.8	88.8
1981	51.4	-	27.2	42.6	53.6	45.0	60.4	85.0	80.2	80.0	72.7	105.1	104	703.2	51.2	247	59.3	60.4	61.5
1982	10.0	62.5	61.6	82.1	38.6	19.9	74.3	94.7	16.0	85.6	138.1	79.9	110	763.3	54.6	321	101.1	115.1	122.2
1983	7.6	-	15.1	33.2	51.2	135.5	118.1	29.6	58.0	24.6	101.7	45.5	92	620.1	48.5	248	51.1	67.5	69.4
1984	54.4	132.0	78.9	41.1	10.5	37.9	12.9	77.7	38.2	20.1	102.0	38.3	106	644.0	41.8	325	53.1	67.9	78.2
1985	107.6	53.5	87.0	52.0	110.4	42.1	42.0	22.4	10.5	4.1	250.2	16.1	111	797.9	45.4	331	52.2	87.4	100.9
1986	73.4	-	51.6	65.6	70.0	67.2	96.4	60.4	12.9	28.0	10.3	25.0	101	560.8	47.7	199	50.1	53.1	53.1
1987	98.7	45.0	94.1	79.9	68.3	34.2	10.9	45.3	53.0	58.4	123.7	54.8	119	766.3	47.1	82	55.9	57.3	59.6
1988	17.6	48.6	67.4	60.6	112.0	99.8	19.5	6.1	40.1	11.5	131.2	57.3	98	671.7	35.2	338	45.0	57.9	67.9
1989	0.7	23.7	34.7	90.8	77.8	158.3	90.4	95.5	40.1	145.5	77.9	35.3	108	870.7	49.0	282	76.4	101.1	113.8
1990	1.5	27.5	6.9	116.9	64.9	24.0	7.4	22.5	22.0	78.8	69.5	169.8	84	611.7	25.2	341	42.1	52.1	66.7
1991	19.2	106.5	26.5	118.4	99.3	45.7	78.1	83.8	35.1	55.4	51.8	9.3	85	729.1	42.0	228	54.3	57.8	60.6
1992	19.2	6.5	8.1	81.7	25.1	85.2	26.5	9.4	7.7	35.9	97.1	47.2	67	449.6	26.0	345	45.2	49.0	51.4
1993	9.4	36.8	47.3	52.2	47.8	-	20.8	14.0	24.1	39.5	100.7	90.8	64	483.4	31.5	361	33.5	49.5	54.9
1994	32.5	71.0	8.3	76.4	65.0	33.9	90.3	34.8	20.0	45.0	16.8	80.4	79	574.4	44.0	51	44.0	51.0	65.0
1995	71.6	26.8	68.0	50.0	94.8	35.2	129.1	121.0	89.8	3.1	57.0	195.7	108	942.1	57.4	143	68.9	72.9	93.4
1996	55.6	112.4	82.6	50.3	49.4	44.8	14.8	-	-	-	-	-	63	409.9	29.3	166	37.5	41.0	43.3
AVERAGE	59.5	65.0	62.8	67.3	78.6	68.6	62.2	52.8	43.1	67.4	91.2	72.7							
STD. DEV	43.6	47.7	39.6	28.2	35.1	35.4	48.8	32.5	39.2	53.2	53.6	48.8							

010



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Crni Drim  
279  
41° 31'  
739.1

GAUGING STATION  
ELEVATION  
LONGITUDE

RST011\_Debar - kl  
675  
20° 32'

Total Monthly Rainfall

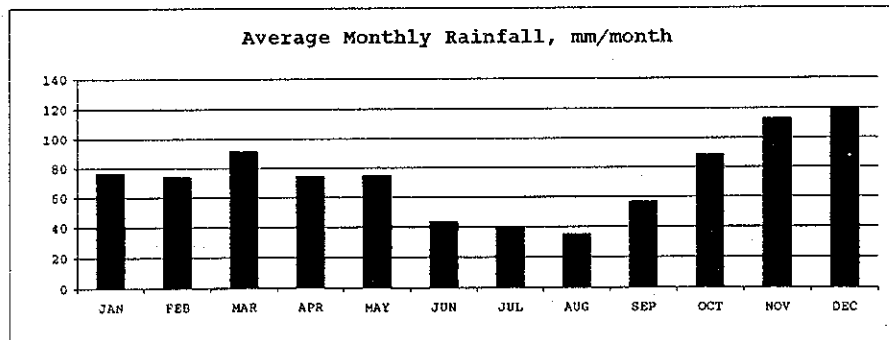
Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1961	40.9	24.5	51.2	51.2	151.5	62.8	37.7	-	7.0	22.3	158.2	72.3
1962	40.8	59.0	195.4	71.6	26.0	36.9	18.6	10.9	32.6	81.2	268.7	197.3
1963	200.8	227.6	62.1	31.0	60.7	77.8	15.4	44.7	49.2	114.0	53.8	158.9
1964	12.5	54.8	103.6	74.8	76.3	42.0	35.4	34.9	65.0	81.9	149.6	167.7
1965	43.9	140.8	46.1	134.5	66.9	21.8	5.4	53.1	20.6	0.4	154.4	219.9
1966	190.4	74.5	70.8	62.2	60.9	27.1	43.6	0.9	38.3	60.0	228.0	193.1
1967	142.8	23.9	44.2	100.4	52.8	50.6	135.0	2.6	45.8	30.6	25.8	141.6
1968	-	-	-	28.8	59.9	65.6	17.6	72.6	44.9	36.4	79.2	129.7
1969	96.0	153.2	192.8	182.2	21.6	46.3	20.4	32.0	30.3	-	83.0	204.5
1970	121.0	168.2	121.1	81.6	49.5	33.3	76.4	37.6	27.8	106.8	105.0	90.2
1971	68.0	36.6	121.9	39.5	58.5	45.0	42.5	7.9	147.6	21.4	122.0	61.0
1972	77.0	27.0	8.0	80.4	27.5	17.0	155.5	78.0	157.8	147.5	91.6	2.0
1973	59.5	85.0	59.0	99.0	45.0	14.1	41.0	66.0	-	-	-	-
1974	36.0	126.0	54.0	82.9	233.0	62.5	-	32.5	38.4	192.3	78.0	29.0
1975	9.4	13.0	81.0	50.5	47.4	32.7	11.5	6.5	16.0	122.0	97.1	56.0
1976	87.0	51.0	60.0	52.6	73.2	91.0	20.2	31.0	72.5	95.6	-	-
1977	82.8	125.5	15.1	28.0	49.3	29.0	10.0	32.0	149.0	42.0	184.0	92.0
1978	128.5	111.5	189.0	113.0	134.0	56.9	-	3.0	139.0	50.0	11.4	164.3
1979	87.3	70.0	80.3	151.6	88.6	17.7	48.9	115.9	48.0	81.2	219.0	123.4
1980	128.9	43.6	67.8	66.0	175.5	30.2	24.0	44.0	40.1	204.0	172.8	117.0
1981	51.3	86.8	612.8	105.6	125.0	23.0	26.0	85.2	108.6	175.0	73.6	421.6
1982	23.0	32.0	50.4	76.0	71.8	15.0	20.0	21.0	61.4	167.4	81.4	190.7
1983	68.8	-	27.6	78.2	-	-	-	-	49.8	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	32.0	-
1985	-	-	-	1.2	-	-	-	-	-	-	-	-
1986	135.3	-	74.3	55.8	41.3	97.0	29.4	12.5	27.1	35.7	11.6	64.0
1987	199.5	10.9	77.2	44.3	58.2	78.3	21.9	21.8	35.6	101.5	41.2	92.4
1988	20.0	71.3	87.5	32.8	14.9	21.8	2.6	19.6	35.1	41.3	165.0	81.4
1989	-	69.2	59.2	52.0	81.4	66.2	70.7	53.0	35.1	123.4	80.2	49.1
1990	9.1	30.3	5.8	93.5	47.4	19.4	16.0	22.8	72.5	56.6	80.5	88.3
1991	21.3	107.8	22.8	101.0	96.3	20.4	113.0	1.3	19.0	58.4	149.7	2.5
1992	3.4	26.3	3.7	92.6	-	53.1	16.6	-	7.7	136.0	82.4	-
1993	-	13.5	91.0	65.7	-	-	-	-	72.3	-	-	-
1994	-	-	-	-	-	-	-	-	-	-	-	-
1995	-	-	-	-	-	-	-	-	-	-	-	-
1996	27.3	-	-	-	-	-	-	-	-	-	-	-
AVERAGE	76.4	73.7	91.2	74.4	74.8	43.3	39.8	34.9	56.5	88.3	112.9	120.1

N Wet	Av Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
105	679.6	39.6	310	76.6	89.2	92.0
93	1039.0	60.0	320	72.0	73.0	95.0
118	1096.0	56.0	14	90.4	92.4	111.8
106	898.5	35.9	315	55.6	69.0	76.2
95	907.8	42.0	130	51.1	55.1	72.9
109	1049.8	57.6	348	71.2	87.4	93.6
90	796.1	40.4	10	65.4	76.2	79.6
70	534.7	25.6	353	38.8	43.2	48.8
115	1062.3	116.8	108	118.4	132.0	133.6
108	1018.5	45.0	296	61.2	74.4	81.2
104	771.9	38.0	259	50.0	60.0	78.0
99	869.3	45.5	197	73.5	98.5	116.5
62	468.6	27.0	47	47.0	50.0	50.0
90	966.6	42.0	38	72.0	97.0	97.0
67	543.1	42.0	352	42.0	56.0	62.0
85	634.1	54.0	245	54.0	61.0	73.0
79	838.7	65.0	246	91.0	91.0	96.0
98	1100.6	55.0	81	66.0	93.0	111.0
105	1131.9	68.4	321	120.4	156.8	164.8
104	1113.9	48.0	285	73.0	105.0	117.0
93	1894.5	4.8,2	73	4.8,2	4.8,2	496.4
61	810.1	38.4	135	56.0	72.0	87.0
21	224.4	30.0	269	36.0	36.0	41.0
1	52.0	32.0	365	32.0	32.0	32.0
1	1.2	1.2	107	1.2	1.2	1.2
85	584.0	49.1	5	52.3	52.3	64.0
99	782.8	47.7	173	55.4	56.5	66.7
98	593.3	33.4	328	58.0	77.0	90.8
98	739.5	38.5	58	55.6	81.8	90.6
87	542.2	32.7	100	50.1	53.7	53.7
82	713.5	62.4	211	68.6	90.9	90.9
57	421.8	31.0	287	37.8	44.4	50.7
33	242.5	27.6	249	41.8	47.1	50.8
-	-	-	-	-	-	-
-	-	-	-	-	-	-
8	27.3	6.2	1	9.6	9.6	10.1

STD DEV	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	58.4	54.2	110.7	37.9	49.2	23.9	38.8	29.0	42.5	55.9	65.9	87.1

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LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

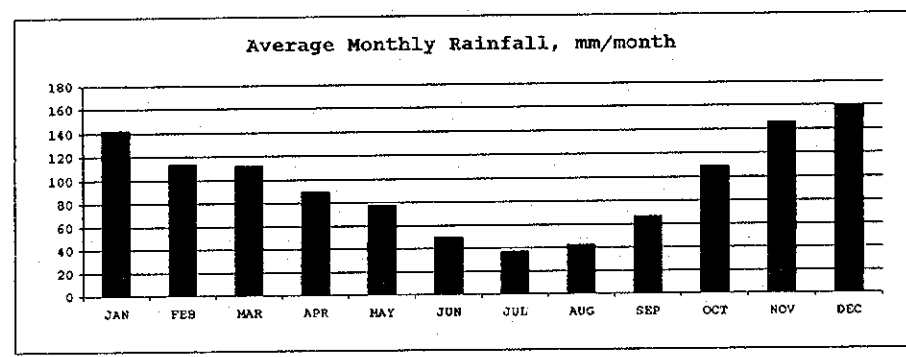
Criol Drim  
272  
41° 14'  
1073.6

GAUGING STATION  
ELEVATION  
LONGITUDE

RST012\_Vevchani  
975  
20°36'

Total Monthly Rainfall												Units: mm								
Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N_Wet	Av_Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day	
1961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1962	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1963	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1964	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1965	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1966	265.0	74.9	122.6	74.3	63.1	39.0	34.6	21.0	45.2	69.8	319.7	351.8	104	1481.0	58.0	309	89.3	89.3	106.8	
1967	175.9	31.0	39.2	101.0	74.0	67.4	99.3	-	74.0	43.3	35.8	199.9	71	940.8	39.4	210	47.0	49.7	57.3	
1968	-	92.5	82.0	26.5	120.0	168.0	4.5	93.5	70.3	27.0	133.2	227.0	80	1044.5	58.0	353	72.0	102.0	102.0	
1969	120.0	213.2	-	101.0	23.0	48.0	28.0	39.5	138.4	-	61.7	374.0	78	1146.8	55.0	108	77.4	91.4	104.4	
1970	129.4	233.7	266.5	127.5	77.2	35.1	35.4	32.9	31.6	159.2	109.9	135.6	127	1374.0	72.5	365	107.9	109.1	109.1	
1971	232.8	80.7	213.0	91.1	57.0	17.1	51.0	28.3	169.6	29.0	95.0	76.3	106	1140.9	90.0	1	103.2	113.2	136.2	
1972	187.5	206.3	43.0	102.5	40.0	10.1	54.3	76.5	172.4	180.3	80.8	21.0	109	1074.7	48.0	29	80.0	80.0	80.0	
1973	146.4	160.7	137.5	77.9	30.4	36.4	58.4	48.7	-	-	-	-	88	696.4	30.9	17	56.1	71.6	71.6	
1974	81.7	136.8	98.2	136.1	183.9	64.1	7.5	30.2	98.8	346.6	189.5	35.5	127	1408.9	65.5	270	99.0	119.5	119.5	
1975	21.5	50.6	95.9	121.6	68.8	37.1	35.5	15.0	7.2	265.0	114.4	92.8	105	925.4	67.0	284	105.0	144.0	153.0	
1976	86.7	58.6	67.4	50.9	70.3	118.7	41.0	46.0	30.3	141.1	-	-	100	711.0	52.1	305	57.5	67.7	67.7	
1977	133.9	196.6	36.0	71.9	82.3	42.3	3.8	46.0	94.8	31.6	237.2	111.4	110	1087.8	57.8	44	89.5	99.6	131.6	
1978	145.9	170.0	193.7	160.7	188.0	50.1	0.9	9.4	164.6	58.7	53.3	291.6	127	1486.9	87.0	349	127.5	139.0	147.5	
1979	330.9	130.0	109.8	204.0	135.3	14.9	24.0	96.8	48.8	75.5	231.4	181.2	129	1582.6	65.5	1	111.1	123.4	124.6	
1980	224.3	34.5	119.1	66.6	173.4	44.4	20.6	32.0	11.4	245.3	213.9	237.2	120	1422.7	65.8	285	85.5	118.1	147.9	
1981	74.2	140.8	183.8	77.3	97.9	14.9	35.1	87.4	94.8	305.4	105.7	374.0	123	1591.3	120.5	297	131.0	140.8	171.8	
1982	77.5	88.0	81.8	55.5	28.8	24.2	44.6	35.5	52.7	153.0	111.4	177.6	97	930.6	57.0	349	83.0	95.6	109.0	
1983	56.0	108.3	56.0	60.5	85.0	102.7	31.9	52.2	66.3	38.4	168.1	125.4	109	950.8	68.0	305	69.2	69.2	69.2	
1984	174.7	168.3	198.7	73.7	55.3	27.7	10.1	91.9	90.1	8.6	140.7	60.4	104	1100.2	64.5	325	73.0	99.5	108.0	
1985	274.0	132.2	124.0	100.1	101.5	45.9	12.9	9.7	17.0	33.6	469.2	43.8	105	1363.9	104.5	324	152.5	198.3	236.5	
1986	273.5	-	139.6	102.5	88.0	183.4	56.3	14.3	29.5	68.3	46.7	85.4	103	1087.5	64.1	27	69.2	96.0	111.3	
1987	260.8	44.8	149.3	61.8	72.9	58.4	19.3	19.6	46.3	110.1	101.1	132.6	103	1077.0	43.5	82	64.5	92.0	105.1	
1988	80.8	85.5	163.3	43.0	23.5	108.8	10.9	14.4	32.1	100.3	235.0	76.6	104	974.2	70.9	328	90.9	109.6	125.6	
1989	-	133.2	112.2	49.0	94.2	53.0	96.2	58.2	32.1	109.9	153.5	83.3	87	974.8	70.0	58	106.5	144.5	167.0	
1990	10.9	61.8	22.0	95.4	15.5	0.8	3.6	11.9	83.5	108.6	134.4	277.2	82	825.6	53.6	100	73.1	77.4	81.3	
1991	31.6	218.1	33.0	164.2	112.3	30.2	110.0	10.9	19.3	59.6	219.8	3.1	94	1012.1	60.5	310	82.5	100.8	127.3	
1992	51.2	30.5	23.7	140.2	22.5	43.7	65.1	9.2	23.7	89.3	14.4	7.5	64	521.0	48.9	206	52.3	61.3	71.0	
1993	19.9	45.1	114.2	24.8	31.6	11.6	2.1	63.0	18.2	60.7	83.1	198.2	72	672.5	58.0	277	58.0	58.7	74.8	
1994	109.3	116.4	11.9	75.6	11.0	0.9	68.4	62.0	28.4	20.6	45.4	121.5	71	671.4	42.0	358	72.1	78.5	89.5	
1995	266.3	70.6	99.5	68.1	57.1	10.4	50.0	67.7	130.8	-	171.5	361.7	124	1353.7	74.0	2	109.1	122.8	130.3	
1996	64.6	181.8	210.7	56.2	98.1	16.4	21.9	-	-	-	-	-	54	649.7	56.0	88	71.1	71.1	77.9	
AVERAGE	141.6	113.2	111.6	89.1	76.8	49.2	36.7	42.2	66.3	108.8	145.6	159.4								
STD DEV	91.8	59.6	65.5	41.3	47.6	44.6	29.3	28.1	49.6	90.4	97.1	115.0								

012





LOCATION Radixia GAUGING STATION RST013\_Lazaropole  
 STATION ID 265 ELEVATION 1320  
 REGISTRY NUMBER  
 LATITUDE 41° 32' LONGITUDE 20° 42'  
 AVERAGE ANNUAL TOTAL 1028.8

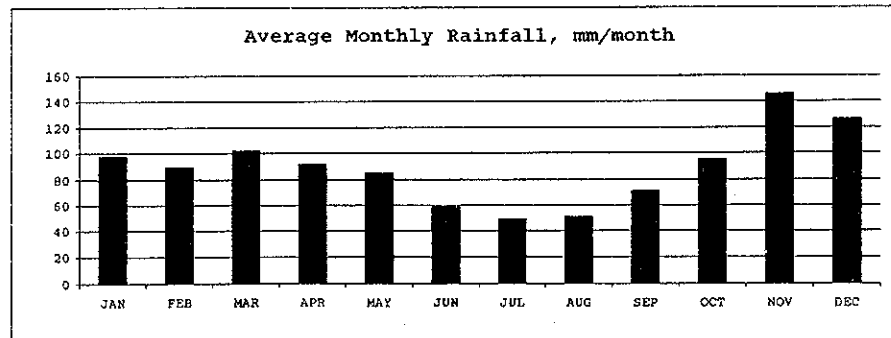
Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N Wet	Av Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	51.2	45.8	142.3	142.3	164.4	19.3	29.4	18.5	13.0	33.1	163.7	106.9	125	929.9	52.3	82	92.7	131.2	131.3
1962	50.5	75.0	238.0	86.8	44.2	53.4	20.9	23.2	57.4	114.0	355.9	222.6	166	1341.9	82.8	320	123.8	124.1	124.8
1963	252.3	243.5	97.0	60.5	115.8	84.5	73.9	91.0	55.1	112.5	111.3	104.5	173	1481.9	77.2	319	78.2	84.4	99.1
1964	11.8	53.2	107.5	78.2	84.7	106.9	70.7	37.6	90.0	154.0	148.6	166.7	135	1109.9	51.6	264	54.6	58.9	68.9
1965	46.3	121.0	68.4	143.8	60.8	33.2	3.7	78.6	48.5	1.6	188.8	218.6	127	1013.3	40.7	363	64.5	70.1	75.3
1966	168.9	85.6	78.2	74.4	49.6	71.3	57.9	8.6	41.4	98.8	243.2	173.4	158	1151.3	46.9	348	59.5	60.9	65.5
1967	138.3	12.8	39.6	109.8	80.2	48.1	155.9	32.2	61.0	48.0	30.9	141.6	135	898.4	36.9	10	50.0	60.2	74.0
1968	136.2	56.7	73.0	30.5	136.1	96.3	15.5	109.7	42.7	28.2	79.2	115.6	157	919.7	50.9	136	58.2	71.6	75.4
1969	88.0	109.5	132.1	120.2	19.2	32.8	35.8	77.7	63.9	1.2	176.2	260.4	153	1117.0	85.0	108	106.1	128.1	134.4
1970	133.1	140.6	218.7	103.0	72.6	48.8	85.9	62.3	20.9	162.6	116.0	159.4	153	1323.9	77.8	365	90.6	100.4	101.0
1971	144.3	-	128.5	64.7	78.9	40.1	55.1	19.4	135.9	29.3	110.1	61.4	138	867.7	57.0	1	65.2	80.2	97.2
1972	111.7	41.4	34.3	103.4	56.3	14.0	100.6	119.0	163.7	136.1	146.4	5.2	147	1032.1	52.8	272	61.6	69.7	86.1
1973	73.2	125.5	111.5	103.9	46.1	22.6	72.9	58.9	-	-	-	-	93	614.6	39.3	47	63.9	70.8	74.9
1974	55.7	121.7	52.4	115.4	172.3	65.7	3.4	57.1	75.0	240.9	94.0	42.2	152	1095.8	36.5	295	59.2	80.8	81.2
1975	16.5	21.6	56.0	137.0	90.5	35.9	45.4	14.6	16.1	216.8	94.6	23.0	132	768.0	43.9	101	67.5	81.2	94.4
1976	64.3	41.3	42.5	61.8	105.0	154.0	65.1	50.4	57.8	114.9	-	-	127	757.1	34.7	291	52.3	70.6	73.0
1977	78.6	143.7	28.2	40.8	50.4	43.6	1.3	42.9	136.7	45.7	179.2	64.9	129	856.0	55.5	44	75.2	77.6	83.9
1978	118.9	135.7	168.1	139.6	188.7	69.8	1.5	14.6	153.5	65.5	18.7	184.9	158	1259.5	49.2	81	78.6	78.6	108.2
1979	178.4	102.8	136.2	129.2	150.8	16.8	33.5	96.0	56.1	92.7	247.2	72.8	169	1312.5	111.2	323	149.2	180.9	184.8
1980	120.6	41.4	102.6	56.2	172.7	34.5	5.6	31.0	25.6	193.5	133.3	138.2	150	1055.2	61.2	285	67.7	112.8	130.0
1981	52.7	125.8	412.1	67.8	81.8	-	-	67.5	71.9	257.6	92.4	287.1	143	1516.7	2,9,1	78	293.7	2,9,1	2,9,1
1982	52.0	42.8	131.1	77.3	50.7	19.1	66.9	48.0	43.8	112.5	74.2	227.1	130	925.5	69.0	349	115.0	122.2	144.7
1983	31.9	114.2	68.8	73.6	80.0	178.2	63.0	37.8	88.1	28.2	189.5	107.5	141	1060.8	74.2	305	77.6	77.6	94.9
1984	143.9	130.4	135.1	68.0	70.9	39.2	6.1	148.0	116.5	17.4	113.3	32.9	140	1021.7	57.4	325	67.8	90.0	100.4
1985	224.0	134.8	83.8	92.0	67.6	40.3	8.3	10.9	38.0	20.5	389.6	15.4	114	1125.2	79.7	324	119.0	146.6	175.4
1986	221.3	-	94.6	90.9	86.9	156.1	105.6	40.7	42.4	61.1	31.9	97.3	119	1038.8	67.9	5	75.9	82.2	90.2
1987	273.2	45.1	94.6	49.1	58.1	59.4	26.7	27.3	33.4	97.6	79.0	103.8	132	947.3	66.5	30	120.7	135.5	146.9
1988	55.7	88.4	137.4	56.4	29.5	93.6	20.9	20.5	54.0	48.1	210.6	103.1	131	898.2	45.6	172	79.5	96.4	105.3
1989	3.2	102.3	71.7	58.1	74.3	57.4	131.3	53.1	54.0	114.2	115.7	73.4	117	908.7	55.3	58	82.0	94.7	107.2
1990	5.5	43.2	11.9	124.1	80.2	24.9	22.4	32.5	83.0	115.7	111.9	194.2	125	849.5	33.9	332	58.6	63.3	64.7
1991	24.5	134.0	43.9	172.8	117.4	40.2	91.5	20.7	28.1	83.9	208.8	8.7	119	974.5	45.4	47	78.9	98.1	111.3
1992	25.8	36.4	19.7	130.3	44.9	96.6	39.5	7.5	15.2	210.1	144.6	87.0	120	865.6	47.7	323	68.9	72.2	72.2
1993	28.4	22.2	110.3	55.9	53.5	73.2	4.8	33.4	79.8	56.7	178.3	120.8	125	817.3	47.4	156	48.5	61.2	74.5
1994	98.0	103.1	10.9	122.5	16.8	36.1	106.6	68.6	28.6	57.6	52.2	81.3	115	782.3	55.0	184	55.0	60.8	60.8
1995	172.4	66.4	110.4	85.6	116.3	14.0	64.7	100.9	175.9	-	96.7	234.4	157	1237.7	67.0	362	114.8	115.9	115.9
1996	47.1	118.6	116.5	65.5	75.0	7.7	17.9	54.9	209.0	49.6	224.5	176.1	142	1162.4	57.6	328	90.9	102.8	126.9
AVERAGE	97.2	89.0	101.9	91.4	84.5	58.2	48.9	50.4	70.7	94.9	145.6	126.2							

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
STD. DEV.	72.4	49.3	74.2	34.5	43.9	42.4	40.3	34.2	49.2	69.5	83.0	75.9

013



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Radika  
259  
41° 42'  
913.1

GAUGING STATION  
ELEVATION  
LONGITUDE

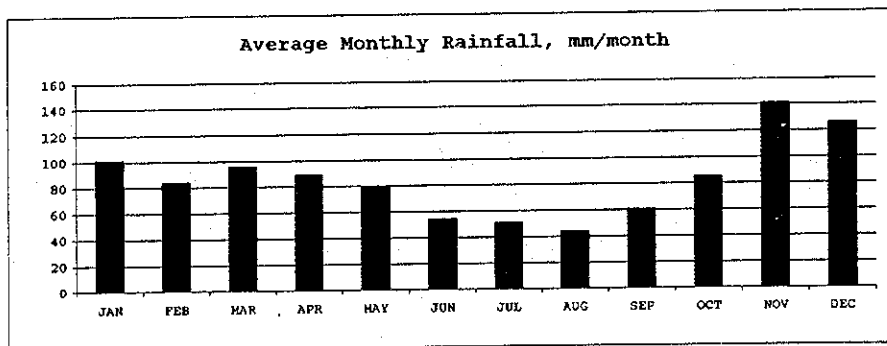
RST014\_Mavrovi Anovi  
1240  
20° 45'

Total Monthly Rainfall

Units: mm

Year	Total Monthly Rainfall												N_Wet	Av_Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC							
1961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1962	104.8	46.6	155.9	58.7	29.8	74.9	33.5	4.8	96.3	111.1	322.1	157.7	116	1196.2	74.5	320	97.1	97.1	101.8
1963	182.3	242.8	130.4	53.1	145.9	135.9	27.4	26.9	23.1	166.1	101.3	188.8	144	1424.0	94.9	13	65.1	85.6	91.9
1964	32.6	38.1	138.0	83.8	105.3	42.5	44.9	18.0	89.1	139.3	199.0	178.5	129	1109.1	53.0	315	68.6	74.8	111.4
1965	32.6	129.6	100.1	174.9	92.2	40.3	6.0	61.7	20.3	-	186.2	236.1	102	1080.0	48.6	360	73.4	77.4	100.7
1966	160.6	81.9	137.4	148.5	55.4	33.6	54.6	2.4	38.7	90.3	227.9	228.1	137	1259.4	84.8	348	80.1	94.1	95.7
1967	142.3	28.7	110.8	113.9	98.2	66.6	167.1	24.9	60.3	35.1	39.1	174.1	117	1061.1	54.4	10	72.8	81.4	81.4
1968	196.0	56.5	86.9	31.4	103.2	115.8	17.2	93.2	36.8	49.8	121.4	202.9	140	1111.1	44.1	353	52.0	76.8	80.4
1969	118.9	142.4	152.0	131.7	7.0	32.8	91.4	88.0	64.2	-	126.3	280.0	136	1234.7	59.8	108	67.8	90.4	104.4
1970	195.8	222.1	209.1	133.2	92.0	60.0	119.3	41.8	18.5	135.7	120.2	129.4	148	1477.1	66.4	17	81.0	87.0	98.3
1971	234.9	80.2	179.2	90.2	51.2	33.1	72.3	45.1	166.4	44.0	118.2	82.5	126	1197.3	76.8	1	93.2	106.2	129.8
1972	167.4	105.5	67.4	155.1	64.0	25.8	110.4	99.6	153.4	156.8	42.3	14.0	134	1161.7	50.6	272	62.4	72.8	95.0
1973	135.2	123.6	132.4	96.0	44.9	27.6	84.0	55.4	-	-	-	-	93	699.1	26.8	29	51.0	58.4	62.0
1974	73.2	142.8	59.6	184.1	200.8	54.0	3.6	77.3	54.8	234.0	147.2	58.5	131	1289.9	106.0	97	106.0	106.0	106.0
1975	25.4	37.8	-	-	-	-	-	-	33.0	18.9	131.8	98.6	60	373.3	18.4	296	33.2	40.0	47.5
1976	64.7	38.6	49.3	31.3	43.0	94.3	63.3	31.1	45.6	58.3	-	-	109	519.5	21.2	158	26.2	32.1	42.1
1977	53.2	83.2	24.6	21.0	42.0	14.1	17.8	14.1	19.0	46.9	136.5	83.7	96	556.1	28.4	321	38.2	41.9	50.5
1978	62.0	65.4	67.9	65.5	136.1	65.1	4.5	11.5	124.8	84.9	28.3	130.7	120	846.7	37.4	123	57.4	57.4	57.4
1979	101.9	44.7	109.1	76.4	-	-	-	-	-	13.2	312.0	93.8	98	751.1	95.2	322	173.2	209.2	218.1
1980	110.8	54.9	110.1	45.5	173.3	40.8	22.1	37.1	-	-	-	-	85	594.6	34.9	172	51.6	63.2	63.2
1981	117.9	53.1	-	-	-	-	-	-	-	-	-	-	18	171.0	20.7	14	37.8	37.8	37.8
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	-	-	62.9	46.2	71.8	99.1	98.4	13.9	44.2	44.2	136.5	138.4	115	755.6	45.9	305	58.6	69.0	83.9
1984	147.0	121.0	154.6	101.5	62.8	32.2	12.5	126.4	68.6	19.3	112.6	49.2	161	1007.7	55.2	325	62.6	95.1	102.5
1985	114.3	53.3	46.9	58.1	62.5	45.6	0.2	7.7	25.2	28.6	325.5	23.3	121	791.2	58.3	323	101.0	143.4	160.9
1986	131.4	-	88.1	95.4	194.6	144.6	76.6	19.1	25.0	82.4	44.9	93.2	132	995.3	39.1	122	53.0	55.8	68.3
1987	207.6	85.3	116.0	71.7	56.1	38.2	30.3	21.2	26.8	80.1	109.3	107.2	141	949.8	47.8	29	59.0	67.0	75.6
1988	63.3	91.4	80.9	49.5	26.5	47.1	5.4	13.3	59.0	58.0	205.1	136.0	122	835.5	38.8	327	67.2	82.6	93.5
1989	2.0	43.0	89.8	50.7	88.6	96.5	119.0	46.4	59.0	96.5	134.6	58.6	122	884.7	35.3	327	61.8	74.2	104.3
1990	15.3	45.7	13.2	92.4	40.9	28.9	24.9	42.8	61.1	71.5	82.5	208.9	120	728.1	34.4	100	58.3	62.6	74.6
1991	26.0	109.8	35.2	176.7	91.5	24.1	83.6	3.7	32.4	81.6	167.3	39.4	145	871.3	33.5	310	52.9	60.0	68.7
1992	23.6	36.7	15.9	125.8	31.2	63.2	27.6	21.9	11.9	134.6	90.0	60.7	132	643.1	31.9	323	47.6	62.8	63.9
1993	44.4	36.8	114.5	51.8	43.2	40.8	18.2	41.5	51.9	56.3	176.4	130.8	117	806.6	38.9	277	63.2	64.9	98.0
1994	90.4	100.2	14.9	114.3	31.4	21.5	66.5	35.8	24.8	87.5	41.3	59.0	119	687.6	29.8	303	34.0	41.4	44.6
1995	113.0	33.4	79.1	46.0	88.8	26.9	58.8	119.5	122.9	-	-	205.9	148	894.3	41.0	264	66.8	68.3	72.7
1996	36.5	97.6	121.6	64.9	78.8	7.0	6.6	119.4	171.4	41.6	135.9	201.0	163	1082.3	47.8	214	55.2	71.0	84.8
AVERAGE	100.8	83.5	95.4	88.7	79.1	54.0	50.6	43.7	60.5	85.0	141.0	125.9							
STD DEV	63.1	52.1	49.5	45.7	48.8	34.9	42.9	36.2	45.6	51.1	80.2	72.3							

O 14



LOCATION Ohrid, Ez. GAUGING STATION RST015\_Ohrid  
 STATION ID 282 ELEVATION 760  
 REGISTRY NUMBER  
 LATITUDE 41° 07' LONGITUDE 20° 48'  
 AVERAGE ANNUAL TOTAL 674.7

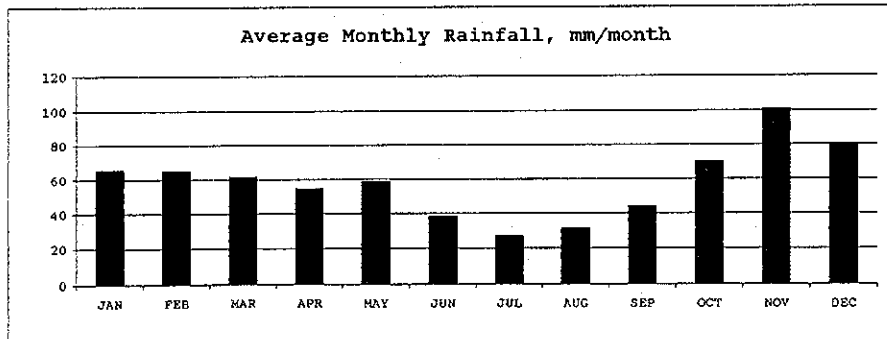
Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N Wet	Av Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	20.7	32.6	37.8	37.8	74.8	53.0	20.1	16.1	8.8	27.4	105.7	73.9	94	508.7	42.0	310	55.1	56.6	59.2
1962	19.6	83.2	158.3	68.7	18.6	32.8	9.0	5.3	35.4	153.5	257.1	143.9	135	985.4	90.4	320	116.3	116.3	123.1
1963	191.7	245.8	87.3	48.5	85.5	71.8	20.7	53.9	40.5	83.4	36.4	126.4	148	1091.9	51.0	19	66.9	75.9	104.0
1964	6.1	37.2	92.8	63.3	79.6	86.3	15.3	42.5	42.4	74.5	151.2	52.7	129	743.9	35.9	316	69.2	83.6	96.4
1965	60.6	107.3	38.7	72.0	47.0	25.8	1.5	34.6	6.4	1.4	183.3	163.1	120	741.7	45.8	333	49.4	54.8	62.2
1966	187.0	62.8	37.7	31.9	62.0	24.8	26.0	24.1	51.2	63.3	203.8	119.7	136	894.3	39.2	329	60.4	60.8	72.7
1967	91.7	13.5	21.9	67.7	68.0	51.5	97.3	19.3	39.7	30.2	18.6	98.6	117	618.0	27.1	183	43.0	46.7	48.4
1968	83.9	68.9	41.7	20.1	95.4	64.3	2.7	55.5	32.8	21.7	81.9	95.6	128	664.5	35.9	149	56.5	61.2	63.2
1969	67.1	121.8	121.7	70.5	7.7	20.5	14.5	31.6	50.9	-	33.1	165.9	143	705.3	30.2	108	40.6	50.3	51.9
1970	124.0	98.6	97.0	66.2	50.8	22.6	25.8	18.7	19.6	80.1	79.1	54.9	142	737.4	36.2	17	47.2	47.2	49.1
1971	116.5	57.6	112.0	33.6	68.2	28.8	48.8	27.0	102.6	29.1	86.7	27.5	140	738.4	62.8	1	68.1	70.9	79.7
1972	92.0	35.9	17.7	64.0	29.7	19.7	37.7	50.9	92.0	147.2	46.7	5.1	137	638.6	40.7	30	57.3	65.4	66.0
1973	54.9	82.2	57.4	75.1	22.8	30.9	27.8	31.5	-	-	-	-	88	382.5	19.1	17	32.7	38.7	39.5
1974	35.3	90.1	39.8	83.0	98.1	42.5	4.5	49.2	32.7	150.2	76.9	23.2	133	725.5	34.0	125	53.6	54.3	62.8
1975	19.7	8.8	43.3	44.5	82.6	65.9	8.6	10.6	12.7	176.4	58.4	39.3	111	570.8	35.5	291	51.8	82.6	90.0
1976	34.4	14.1	23.8	34.4	49.0	63.8	52.5	28.3	9.2	75.8	-	-	110	385.3	29.1	305	29.1	32.6	32.6
1977	38.5	81.7	31.4	32.4	57.2	22.8	4.4	33.8	109.2	21.0	122.1	29.5	110	584.0	29.4	44	34.4	48.8	53.6
1978	65.4	53.9	127.0	66.9	107.9	27.7	-	17.2	105.8	56.8	26.2	95.9	124	750.7	37.4	81	44.0	56.4	76.1
1979	159.2	68.6	53.8	101.3	84.0	18.0	18.7	88.6	35.2	53.2	150.9	61.6	140	893.1	83.7	323	87.2	97.3	98.7
1980	119.0	12.7	67.3	28.1	130.4	24.6	5.4	8.6	4.5	124.3	107.1	114.1	129	746.1	35.1	27	43.8	60.9	73.8
1981	38.5	102.2	100.7	34.3	46.3	4.0	12.9	95.6	32.8	187.2	60.6	140.1	127	855.2	88.4	297	93.3	94.7	114.0
1982	35.4	29.4	49.7	48.8	22.7	11.0	23.3	34.9	40.5	97.0	81.2	109.9	108	583.8	57.0	349	72.0	73.6	80.0
1983	15.8	70.6	16.6	39.0	71.0	84.6	70.4	13.3	66.4	27.2	144.9	47.0	119	666.8	69.2	305	69.6	69.6	69.6
1984	91.4	92.5	91.1	37.4	45.5	28.1	24.9	121.9	57.8	4.2	102.4	36.0	124	733.2	49.3	244	70.2	78.4	86.5
1985	112.9	79.5	66.4	60.4	50.1	23.3	1.8	14.2	28.6	10.1	269.4	21.3	108	738.0	71.4	331	80.9	101.5	119.3
1986	138.1	-	78.7	41.0	81.5	99.3	41.1	1.0	24.7	24.0	18.5	41.3	106	589.2	38.8	5	42.5	47.1	54.5
1987	114.3	25.2	79.8	41.9	70.3	40.6	15.0	9.0	8.8	79.9	51.9	85.9	117	622.6	26.2	82	40.0	50.3	55.0
1988	22.5	46.7	83.6	20.5	6.4	29.8	0.6	8.1	32.1	35.1	143.6	56.9	115	485.9	40.8	328	54.4	61.1	74.7
1989	1.2	23.6	42.6	26.6	83.7	62.1	77.6	29.6	32.1	95.3	49.9	61.4	95	585.7	58.7	282	70.3	76.4	78.1
1990	3.6	27.5	9.5	75.4	37.4	10.2	28.7	10.7	34.4	71.6	71.5	128.5	111	509.0	34.0	309	48.8	50.8	59.8
1991	11.9	171.3	18.0	95.1	71.2	22.0	39.2	4.6	46.4	29.2	137.7	12.3	113	658.9	57.2	47	77.3	85.1	105.2
1992	3.2	17.1	12.5	89.9	21.1	63.2	23.0	1.7	0.1	104.2	76.5	71.7	86	484.2	32.6	323	41.3	41.3	44.9
1993	15.5	15.2	42.8	28.2	20.4	37.9	14.0	12.6	25.7	60.9	135.6	71.2	113	480.0	52.0	277	52.0	84.1	89.2
1994	59.9	40.9	19.3	92.5	13.5	27.7	73.0	42.0	19.6	47.7	34.8	75.6	103	546.5	36.0	113	42.4	58.4	60.6
1995	78.3	48.9	74.6	64.5	53.7	0.3	21.8	51.4	123.7	-	67.0	132.0	143	716.2	39.8	265	50.2	51.9	52.0
1996	18.8	98.9	110.7	46.5	84.2	24.9	32.3	28.1	134.0	58.8	151.8	137.8	137	926.8	50.9	88	54.9	64.9	72.6
AVERAGE	65.2	64.8	61.3	54.2	58.3	38.0	26.9	31.3	44.0	69.8	100.7	80.0							

STD DEV	53.1	48.9	37.5	22.6	30.2	24.2	23.6	27.0	35.0	50.3	63.5	45.5
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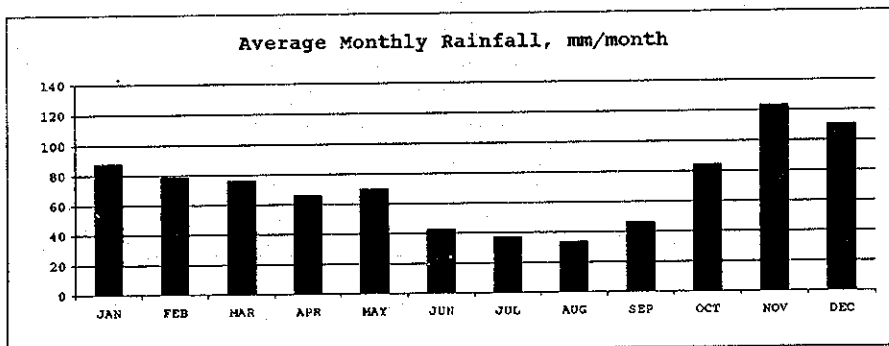
015



LOCATION Crni Drim GAUGING STATION RST016\_Belchishte  
 STATION ID 271 ELEVATION 775  
 REGISTRY NUMBER  
 LATITUDE 41° 18' LONGITUDE 20° 50'  
 AVERAGE ANNUAL TOTAL 789.0

Total Monthly Rainfall												Units: mm							
Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N_Wet	Av_Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	24.4	56.5	68.1	68.1	88.7	10.5	33.4	12.4	14.5	43.6	180.4	90.8	95	691.4	57.8	310	106.1	112.8	114.7
1962	30.0	79.3	209.4	91.7	40.7	28.9	26.6	0.8	46.6	151.0	367.8	188.4	115	1261.2	114.6	320	143.5	143.5	147.5
1963	273.8	351.9	104.5	32.9	137.0	62.1	45.1	51.4	45.0	101.8	53.3	163.3	143	1422.1	68.3	35	94.0	129.2	154.9
1964	8.7	52.5	140.1	49.8	86.1	65.4	51.6	20.1	58.4	95.7	157.3	170.3	127	956.0	42.4	68	50.4	68.5	84.2
1965	63.8	153.8	70.8	118.0	63.3	47.4	5.2	29.9	25.7	-	210.1	228.5	107	1016.5	51.1	363	72.6	76.2	98.5
1966	255.8	78.8	50.0	50.5	43.5	37.3	22.1	0.6	81.3	79.8	312.3	211.4	133	1231.4	63.9	13	82.8	92.6	94.7
1967	118.4	26.4	37.9	94.1	61.8	31.0	170.2	30.8	57.5	32.2	28.5	136.2	112	825.0	30.1	183	51.3	55.6	62.3
1968	113.5	48.7	28.9	29.8	49.0	140.7	1.7	46.9	38.2	14.5	84.5	150.6	110	747.0	70.9	166	72.6	83.9	86.4
1969	48.1	175.7	141.6	77.1	20.5	40.5	19.1	59.0	66.4	-	79.4	272.3	128	999.7	40.2	108	58.5	77.1	78.8
1970	108.6	140.9	154.0	68.9	49.6	35.6	35.7	20.7	17.9	122.9	65.1	59.6	121	879.5	41.9	17	57.7	59.1	74.6
1971	170.8	58.3	137.7	53.4	69.8	20.5	40.6	25.7	63.7	31.7	122.9	43.1	123	838.2	83.6	1	88.5	97.7	107.0
1972	137.0	55.9	25.8	77.4	38.8	21.3	45.9	87.6	84.4	150.6	58.1	12.1	115	794.9	38.0	29	75.6	83.6	84.5
1973	95.5	88.0	86.2	72.7	49.4	11.7	87.5	57.5	-	-	-	-	68	548.5	63.2	184	63.2	63.2	63.2
1974	63.0	101.2	57.5	111.0	113.7	50.8	-	73.1	52.9	200.2	83.8	31.6	99	938.8	35.7	36	52.0	61.2	70.5
1975	29.8	17.8	51.6	56.6	74.8	24.3	29.7	14.5	17.0	185.3	76.1	58.5	68	636.0	43.9	284	61.9	94.3	103.8
1976	43.0	28.1	41.2	24.9	61.7	125.6	29.4	28.5	12.3	112.8	-	-	62	507.5	35.8	305	45.0	51.5	55.8
1977	77.1	87.5	36.5	47.9	49.9	33.4	2.2	16.2	91.0	26.6	117.3	42.0	69	627.6	40.0	246	46.3	50.2	57.8
1978	83.6	87.5	120.1	74.6	149.1	26.5	-	22.7	143.5	59.7	33.9	118.2	98	919.4	35.3	123	63.8	63.8	73.5
1979	158.5	63.0	74.6	127.4	124.6	6.8	15.6	57.0	42.3	50.4	155.4	81.1	107	956.7	80.0	323	86.9	103.7	105.5
1980	141.6	10.1	76.8	22.9	139.2	15.8	3.1	14.0	6.0	175.1	134.7	145.4	112	884.7	47.8	285	63.6	91.4	111.4
1981	41.4	69.5	107.6	47.6	48.5	28.6	31.9	62.1	48.4	136.3	52.2	151.0	121	825.1	71.0	297	74.5	77.5	96.9
1982	25.2	48.4	51.0	48.4	33.3	7.6	18.1	28.1	48.8	104.9	90.4	112.7	110	616.9	40.0	349	60.3	64.3	78.6
1983	27.0	90.4	20.0	39.5	73.5	108.6	77.2	25.8	48.0	33.6	-	-	96	543.6	39.4	39	49.1	61.7	66.6
1984	63.7	95.8	119.5	65.1	83.0	33.3	15.5	106.0	80.5	6.1	110.2	36.7	87	815.4	59.0	325	65.5	89.5	96.0
1985	190.6	97.5	62.2	69.5	68.2	-	-	10.0	23.6	19.9	383.5	8.8	64	933.8	95.5	324	145.5	181.5	187.5
1986	154.3	-	90.8	52.0	122.4	120.8	41.8	21.5	21.8	28.8	19.7	43.0	73	716.9	46.0	5	49.1	49.1	55.8
1987	176.0	53.4	87.3	51.5	63.3	34.2	13.3	17.3	26.7	82.0	85.3	84.2	69	774.5	37.0	12	65.3	77.3	101.0
1988	44.0	66.9	78.0	25.2	15.5	36.3	2.2	18.3	32.8	48.3	196.1	85.2	59	648.8	57.5	328	81.0	85.5	103.2
1989	-	52.8	62.7	26.4	94.6	60.7	65.3	38.5	32.8	143.9	58.8	-	46	636.5	89.5	282	115.5	121.9	121.9
1990	-	19.2	1.6	102.4	53.3	3.5	15.3	30.1	56.5	70.0	80.5	179.6	57	612.0	49.0	100	74.5	74.5	84.5
1991	6.0	132.3	31.6	108.5	67.9	20.3	46.3	19.6	25.5	40.8	140.6	9.0	59	548.4	38.0	321	62.0	81.4	97.9
1992	7.0	7.0	9.2	89.1	17.4	79.2	33.1	5.7	6.0	129.3	127.3	-	51	510.3	51.0	322	61.3	66.0	94.5
1993	13.8	13.3	75.6	45.1	47.4	42.0	-	-	42.3	62.5	143.3	106.0	56	591.3	49.0	277	49.0	63.5	77.5
1994	67.3	52.9	15.5	116.3	-	25.0	39.0	30.3	32.0	62.3	48.3	84.9	49	573.8	30.0	56	46.5	56.5	56.5
1995	98.4	53.9	76.5	81.5	58.6	7.1	72.3	35.2	77.9	-	84.3	201.2	62	846.9	53.2	116	57.5	68.0	76.9
1996	8.5	122.2	133.3	52.3	73.1	-	38.7	-	-	-	-	-	32	428.1	38.0	88	48.2	53.2	54.4
AVERAGE	87.3	78.2	76.0	65.8	69.5	42.5	36.7	33.1	46.1	84.0	123.2	110.2							
STD DEV	70.6	62.7	46.6	29.0	34.3	35.2	32.8	23.9	28.9	54.6	89.9	70.8							

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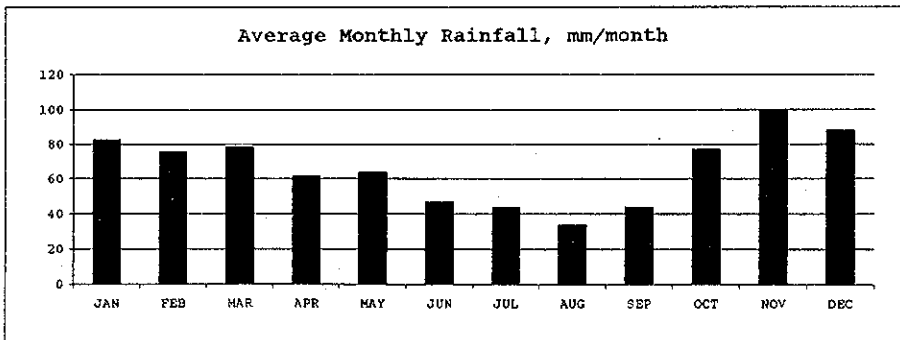
LOCATION Vardar GAUGING STATION RST017\_Gostivar - Kl  
 STATION ID 3 ELEVATION 525  
 REGISTRY NUMBER  
 LATITUDE 41° 48' LONGITUDE 20° 55'  
 AVERAGE ANNUAL TOTAL 729.4

Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N_Wet	Av_Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day	
1961	205.9	37.7	96.8	96.8	110.1	27.8	30.1	9.3	5.5	49.2	129.5	70.1	81	868.8	189.0	27	189.0	189.0	189.0	
1962	47.2	70.0	158.2	43.7	20.0	46.7	24.7	37.9	40.3	92.5	238.0	162.3	105	981.5	58.5	320	86.9	86.9	88.9	
1963	192.2	282.9	84.4	42.2	108.4	67.7	41.5	54.4	26.3	148.9	43.4	135.4	132	1227.7	60.0	52	69.5	90.5	107.0	
1964	9.5	28.1	101.9	52.6	91.9	23.7	40.4	16.6	65.2	99.8	184.1	110.5	107	824.3	66.0	315	79.5	82.7	116.5	
1965	38.0	142.1	65.3	170.3	74.7	18.4	0.6	75.1	4.9	-	137.5	178.1	103	905.0	33.5	56	49.8	72.0	93.8	
1966	170.8	52.5	62.1	52.1	34.0	48.9	47.7	7.6	32.6	37.2	-	-	79	545.5	50.7	13	58.7	59.1	62.3	
1967	-	1.5	99.5	104.0	69.0	23.7	133.3	24.8	19.5	40.6	36.7	153.0	92	705.6	40.6	73	71.4	85.4	85.4	
1968	214.0	68.0	43.0	28.0	116.0	151.6	9.0	93.6	72.7	60.0	130.7	139.5	126	1126.1	35.0	136	60.0	80.0	90.0	
1969	79.1	129.5	180.0	108.9	17.5	24.5	14.1	45.2	73.0	-	39.0	252.4	133	963.2	30.2	336	43.2	55.2	64.2	
1970	142.0	125.5	143.6	76.4	58.0	26.5	89.3	-	14.0	101.0	48.7	89.5	116	914.5	45.0	17	57.0	68.8	68.8	
1971	122.9	119.5	143.8	30.5	34.5	24.3	51.5	30.0	53.0	31.5	50.0	51.0	111	742.5	26.0	23	37.0	54.0	54.0	
1972	192.8	93.0	58.0	67.0	6.5	28.0	191.9	39.9	145.0	113.7	63.0	8.5	138	1007.3	47.0	272	83.0	109.0	129.4	
1973	94.4	84.0	81.2	47.8	35.2	16.0	150.0	49.0	-	-	-	-	78	557.6	38.0	47	52.0	52.0	59.0	
1974	97.5	174.0	134.0	64.5	88.5	53.0	5.0	22.8	42.0	137.6	69.2	18.1	115	906.2	30.0	36	48.0	54.0	61.0	
1975	9.8	-	-	-	-	-	23.2	9.4	22.7	141.0	89.9	50.5	50	346.5	35.5	352	53.3	58.3	84.8	
1976	75.9	90.2	67.2	48.1	22.6	185.4	52.1	54.7	10.5	104.7	-	-	80	711.4	62.3	155	89.6	89.7	99.7	
1977	22.7	83.7	7.2	32.4	33.1	30.3	20.2	21.8	53.3	20.8	102.3	66.0	80	493.8	40.0	33	52.0	52.8	52.8	
1978	33.3	23.6	77.1	111.7	162.7	33.7	-	16.0	139.9	68.6	25.0	144.4	87	836.0	65.0	128	73.0	79.4	80.0	
1979	91.0	68.5	39.3	86.3	121.9	1.8	29.5	70.0	57.0	43.7	293.7	35.1	92	937.8	101.0	322	171.0	198.0	204.0	
1980	66.6	16.2	94.1	16.5	148.9	29.6	10.9	21.2	39.9	153.0	167.5	80.8	90	845.2	40.0	287	50.0	76.0	86.0	
1981	34.1	26.0	76.7	84.7	52.1	11.2	34.0	60.6	87.8	147.7	60.6	77.1	81	752.6	90.7	297	93.7	95.2	102.2	
1982	12.5	36.0	76.5	63.2	31.0	-	36.0	51.0	84.0	82.1	67.0	101.4	70	640.7	60.0	254	72.0	84.0	84.0	
1983	9.0	71.6	71.0	9.5	24.7	170.7	34.1	7.7	65.9	22.1	111.0	80.7	79	678.0	65.0	167	97.5	104.5	111.0	
1984	61.5	80.8	68.2	83.8	63.7	5.0	10.0	80.0	43.0	7.2	117.3	27.5	86	648.0	50.3	325	55.8	94.8	100.3	
1985	131.4	41.4	47.3	39.1	50.1	10.5	13.7	0.9	16.5	26.7	265.4	19.0	72	662.0	78.0	324	123.0	126.0	145.0	
1986	115.3	-	36.0	33.4	101.0	92.2	46.7	17.5	18.5	74.8	22.7	42.2	65	600.3	36.0	17	45.8	52.2	54.6	
1987	137.9	30.6	59.6	29.3	58.0	49.9	1.2	18.1	22.3	60.7	78.9	66.1	104	612.6	28.0	286	34.4	38.4	47.4	
1988	12.5	40.0	75.6	18.8	20.7	44.9	5.0	14.0	20.4	61.0	74.2	115.4	85	502.5	30.0	296	36.8	39.0	63.3	
1989	1.7	53.1	57.3	13.5	125.3	88.4	132.5	50.9	20.4	128.7	37.4	20.8	83	730.0	48.4	176	69.2	87.2	91.8	
1990	-	-	-	-	59.1	10.1	32.1	22.0	-	-	50.0	149.5	47	322.8	34.5	341	48.8	49.5	49.5	
1991	30.4	105.9	34.6	113.8	18.1	5.3	32.2	6.4	17.2	33.5	65.5	20.1	86	483.0	32.1	47	51.9	69.7	72.4	
1992	21.1	11.9	3.6	75.5	17.5	47.3	9.7	4.6	1.6	69.1	-	-	57	261.9	22.0	102	32.0	38.0	41.6	
1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AVERAGE	82.4	75.4	78.1	61.5	63.7	46.6	43.6	33.3	43.8	77.0	99.9	88.0								
STD DEV	66.4	58.3	41.5	37.1	43.1	47.3	47.1	25.0	36.2	44.4	72.2	59.7								

017



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Treska  
80  
41° 31'  
701.4

GAUGING STATION  
ELEVATION  
LONGITUDE

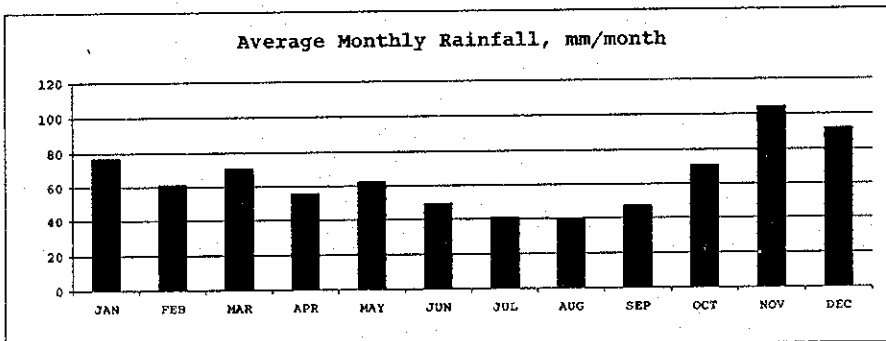
RST018\_Kichevo - kl  
620  
20° 58'

Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day	
1961	35.2	31.0	65.7	65.7	94.4	35.7	19.5	-	8.5	13.5	163.5	68.1	66	600.8	53.5	310	104.0	106.0	106.0	
1962	34.9	62.8	140.1	50.1	23.2	65.0	21.6	-	47.5	80.5	307.6	146.6	107	979.9	56.7	321	110.7	114.0	125.2	
1963	176.2	245.1	100.3	32.4	94.8	65.7	42.8	48.4	42.6	98.0	58.0	137.3	102	1141.6	56.0	278	56.0	56.0	81.9	
1964	10.2	23.8	102.7	43.0	70.4	101.7	67.6	46.8	65.7	178.4	170.5	108.0	98	980.8	36.0	68	54.7	75.0	86.1	
1965	48.1	121.6	56.5	83.9	60.3	27.9	6.4	83.7	5.0	1.4	110.9	133.0	93	738.7	33.0	333	54.1	55.3	71.6	
1966	145.0	49.6	58.1	41.6	25.9	83.1	27.9	15.8	31.4	45.6	224.9	135.0	119	883.9	62.0	167	62.6	63.8	63.8	
1967	85.9	6.1	27.4	72.6	64.8	28.8	139.1	58.0	36.9	28.4	25.1	117.7	117	690.8	42.6	222	51.0	57.0	63.7	
1968	112.4	39.9	17.8	49.3	139.7	116.1	2.1	56.3	18.1	22.6	66.7	100.9	122	741.9	36.2	136	46.1	70.1	71.4	
1969	65.0	106.6	136.1	97.1	30.2	32.2	34.0	61.1	50.5	1.1	65.4	226.6	128	905.9	68.5	108	75.5	79.9	84.5	
1970	128.9	103.1	147.3	76.2	43.6	25.6	87.0	17.0	17.9	98.7	51.2	61.2	124	857.7	52.8	74	58.8	66.6	67.6	
1971	145.4	53.4	125.7	37.5	55.1	30.3	66.9	26.5	162.9	30.9	89.4	50.4	112	874.4	76.0	1	76.7	77.7	89.1	
1972	133.8	64.6	34.6	63.0	22.7	29.3	128.9	66.2	82.8	151.2	48.4	9.4	126	834.9	43.5	30	75.7	83.1	94.8	
1973	58.6	69.1	110.1	65.1	27.7	27.8	81.6	128.3	-	-	-	-	73	568.3	27.9	184	49.8	61.4	72.4	
1974	54.6	93.5	52.8	111.3	94.8	57.6	1.0	76.1	63.9	124.3	76.0	9.6	120	815.5	34.7	237	42.5	52.9	57.0	
1975	19.4	8.7	62.6	80.0	75.6	69.6	30.8	11.8	13.2	155.6	97.2	57.6	95	682.1	49.1	171	59.5	73.7	85.2	
1976	37.8	36.4	52.1	26.0	72.4	99.8	48.3	35.5	10.7	73.0	-	-	96	492.0	25.8	158	49.6	49.6	50.0	
1977	58.3	70.7	28.4	34.9	37.8	36.2	2.8	43.4	119.4	22.7	130.6	43.4	99	628.6	35.0	44	64.0	64.0	65.2	
1978	67.7	70.3	94.9	86.0	111.8	27.2	1.8	17.1	74.6	36.9	32.3	107.2	127	727.8	29.0	30	46.5	54.6	62.0	
1979	134.1	41.8	45.2	92.7	123.1	22.9	34.3	43.9	48.0	60.3	221.9	50.2	129	918.4	137.4	323	143.4	152.6	158.6	
1980	98.1	14.6	70.7	23.7	152.3	4.7	14.6	24.2	24.4	134.7	116.6	-	105	678.6	45.0	285	47.0	89.5	91.5	
1981	43.8	53.3	61.7	50.8	31.9	27.7	37.7	16.9	50.9	189.1	56.8	147.4	101	768.0	120.0	297	129.0	130.8	137.2	
1982	18.5	44.4	31.6	55.4	34.2	5.5	39.5	27.8	53.9	73.2	71.4	95.1	82	550.5	33.0	349	45.5	51.2	53.7	
1983	8.9	67.4	31.6	29.2	74.8	121.0	30.1	26.1	66.6	29.5	110.5	74.6	99	670.3	58.0	305	66.6	66.6	66.6	
1984	76.1	106.1	90.0	50.0	60.0	11.4	5.6	96.5	-	6.1	46.7	34.3	100	582.8	30.0	123	39.3	40.3	40.5	
1985	202.8	60.4	35.0	49.0	42.6	35.6	1.2	0.4	24.6	25.1	318.3	31.6	86	826.6	90.0	324	120.4	140.4	157.4	
1986	108.6	-	81.9	9.3	98.6	113.1	55.4	32.0	23.5	52.9	24.0	37.5	95	636.8	23.0	301	32.5	35.5	43.5	
1987	158.2	29.9	102.0	37.7	34.7	29.1	12.1	16.6	20.0	73.9	86.8	85.9	88	686.9	34.0	82	56.1	71.1	76.6	
1988	28.2	48.7	57.3	46.9	15.4	29.5	20.2	10.9	22.5	45.4	135.7	82.7	82	543.4	28.2	62	43.0	51.5	65.6	
1989	1.8	58.2	38.8	65.0	95.5	64.7	78.6	26.8	22.5	130.5	52.2	46.6	80	681.2	65.0	282	99.7	103.3	108.1	
1990	-	-	-	-	45.8	12.6	50.3	39.9	29.7	58.4	43.5	177.1	61	457.3	33.2	345	46.2	49.2	64.8	
1991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	20.6	13.0	9.1	-	16.8	107.2	61.0	-	5.2	139.4	96.3	73.2	64	541.8	34.6	279	51.1	57.6	59.2	
1993	-	32.1	59.4	35.2	20.3	32.2	32.1	21.7	36.4	62.6	106.1	89.1	75	527.2	48.0	277	48.0	51.0	51.0	
1994	74.4	-	-	-	-	-	53.3	28.0	26.0	46.5	12.9	57.2	39	298.3	25.0	10	30.2	30.2	30.2	
1995	-	-	-	-	-	-	-	-	144.7	-	75.9	239.6	35	460.2	45.0	265	80.0	95.5	95.5	
1996	65.3	63.2	134.7	-	-	-	-	11.5	102.8	54.1	136.6	-	79	568.2	42.5	88	50.6	65.1	72.5	
AVERAGE	76.8	60.9	70.7	55.4	62.2	49.3	40.5	39.2	47.1	71.0	103.9	91.4								
STD DEV	53.6	45.2	38.8	24.2	37.3	34.8	34.6	28.5	38.9	52.7	74.8	56.6								

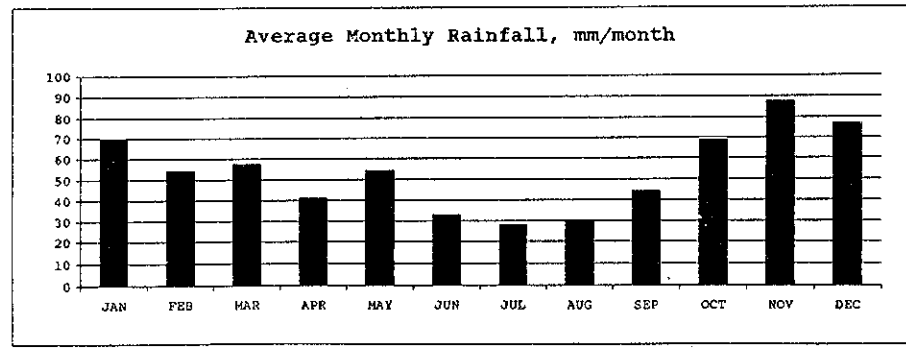
018



610

LOCATION Prespa-Ez. GAUGING STATION RST019\_Carev Dvor  
 STATION ID 293 ELEVATION 864  
 REGISTRY NUMBER  
 LATITUDE 41° 03' LONGITUDE 21° 01'  
 AVERAGE ANNUAL TOTAL 543.5

Total Monthly Rainfall													Units: mm						
Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N_Net	Av_Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	24.2	15.8	8.7	8.7	54.6	1.2	5.4	12.8	4.2	21.0	35.9	22.9	41	215.4	19.3	142	23.0	41.0	43.8
1962	20.0	34.8	96.2	55.4	9.8	38.6	9.7	8.1	19.0	99.2	96.3	85.6	63	572.7	42.5	321	50.3	60.1	60.1
1963	175.2	124.9	69.9	15.7	64.2	59.5	2.6	40.0	24.8	76.1	47.3	97.0	91	797.2	50.2	4	56.5	61.2	71.4
1964	20.1	50.6	85.5	40.0	68.9	46.9	10.6	25.0	32.7	76.0	174.1	74.1	101	704.5	64.9	316	110.1	129.2	132.4
1965	54.2	83.7	24.4	43.0	35.5	17.8	-	16.8	3.9	4.0	99.1	152.1	80	534.5	31.6	360	40.0	43.4	46.3
1966	142.9	36.7	31.4	26.2	34.2	35.4	9.3	2.1	34.8	52.7	198.4	138.7	95	742.8	44.5	329	68.0	68.0	68.0
1967	73.8	18.3	56.7	66.0	65.2	38.8	105.9	19.6	41.3	21.7	34.2	103.5	84	645.0	30.5	362	37.3	39.1	44.8
1968	107.0	65.2	48.2	16.9	76.1	59.3	-	47.5	50.1	18.3	94.8	149.0	92	732.4	44.2	353	44.2	57.5	67.2
1969	41.5	112.6	122.6	48.4	17.7	11.3	4.1	58.8	53.1	-	18.0	173.2	73	661.3	33.4	213	47.3	65.4	65.4
1970	101.3	77.8	104.6	59.9	53.5	23.1	34.3	5.2	16.1	84.7	50.1	32.7	84	643.3	33.1	296	39.0	39.0	39.0
1971	103.1	56.4	99.8	24.7	40.2	14.4	56.9	20.2	95.7	28.4	62.2	25.4	90	627.4	55.3	1	59.6	59.6	61.2
1972	106.5	71.2	28.1	61.2	28.1	14.8	57.9	42.3	44.2	132.1	29.4	18.9	89	634.7	35.1	30	59.4	64.7	65.6
1973	74.6	43.9	80.8	43.7	17.8	24.2	22.5	36.0	-	-	-	-	50	343.5	22.3	3	22.3	32.4	43.3
1974	61.0	101.9	74.8	83.0	75.5	42.5	3.1	28.7	45.5	111.4	79.9	49.6	94	756.9	31.3	126	47.8	47.8	49.4
1975	42.5	7.4	36.5	35.5	64.6	45.9	40.6	16.2	18.3	124.1	79.1	35.1	73	545.8	36.6	284	47.1	65.3	75.4
1976	22.2	40.7	19.2	29.3	52.0	118.8	59.2	19.1	15.4	91.3	-	-	74	467.2	40.3	305	45.6	61.2	66.4
1977	51.6	63.8	38.9	19.3	37.0	21.5	-	23.7	148.6	12.6	113.8	30.4	72	561.2	43.7	270	55.0	64.7	78.0
1978	78.9	35.5	81.3	78.9	81.3	9.3	-	6.3	102.4	66.5	28.9	100.4	94	669.7	30.1	30	36.6	46.5	49.7
1979	145.0	65.9	33.7	81.4	107.4	15.4	-	69.3	30.5	58.5	200.2	52.2	81	859.5	108.4	323	109.8	141.3	141.3
1980	99.3	8.0	48.8	10.8	114.6	29.8	1.3	3.8	3.1	116.4	74.2	106.5	85	616.6	33.4	285	50.1	61.0	66.8
1981	47.2	67.6	70.1	26.8	30.6	8.0	25.6	61.9	32.8	225.1	33.9	132.2	93	761.8	115.3	297	129.7	137.9	160.9
1982	23.4	53.7	34.5	77.1	33.4	8.9	24.7	27.0	54.3	107.4	93.5	92.7	66	630.6	60.2	106	63.4	70.9	77.1
1983	34.4	61.2	16.9	18.0	94.0	76.0	46.5	19.7	114.9	29.9	130.9	63.2	84	705.6	56.2	305	58.6	67.5	67.5
1984	59.1	65.3	71.1	39.3	21.8	14.1	17.5	108.3	50.3	6.1	116.2	54.1	81	623.2	36.1	244	68.7	68.7	91.5
1985	109.1	48.1	64.4	63.4	74.8	16.2	-	-	38.8	247.2	34.5	-	69	696.5	52.3	9	65.8	75.6	94.0
1986	109.4	-	83.6	56.6	72.0	102.8	25.4	35.6	19.0	44.8	16.1	41.4	73	606.7	26.4	5	35.7	38.1	39.2
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	21.8	14.2	-	-	-	-	-	-	-	-	-	-	7	36.0	9.4	23	14.6	14.6	14.6
1989	-	-	-	25.7	-	-	-	-	-	-	-	-	3	25.7	17.7	106	17.7	17.7	21.4
1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	-	-	-	-	-	-	-	11.8	-	-	-	-	1	11.8	11.8	217	11.8	11.8	11.8
1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	-	-	-	26.1	67.0	3.0	21.0	46.8	44.0	-	33.0	53.6	53	294.5	25.0	124	26.0	29.0	29.0
1996	1.6	30.9	13.9	7.2	21.0	22.0	29.0	-	-	-	-	-	40	125.6	17.0	199	24.0	24.0	24.0
AVERAGE	69.7	53.9	57.2	41.0	54.0	32.8	27.9	30.1	44.0	68.6	87.5	76.8							
STD DEV	44.5	30.2	31.2	23.3	27.8	28.8	25.4	24.1	36.3	52.0	62.5	45.8							



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Crna Reka  
102  
41° 25'  
797.3

GAUGING STATION  
ELEVATION  
LONGITUDE

RST020\_Cer  
998  
21° 05'

Total Monthly Rainfall

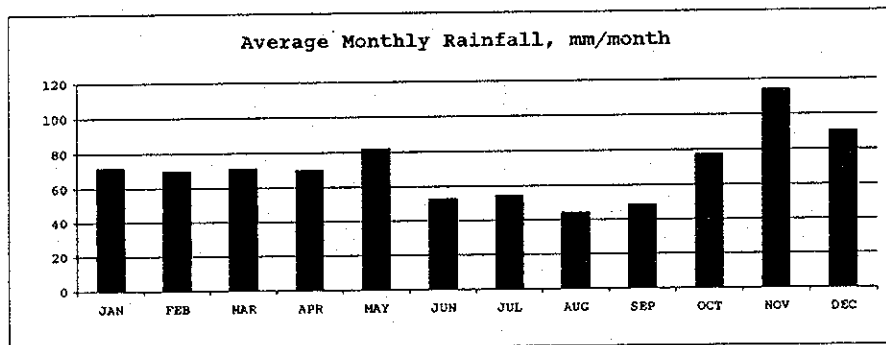
Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1961	27.3	66.5	27.5	27.5	82.7	45.4	57.0	6.5	10.2	28.0	134.4	58.8
1962	30.5	103.2	156.0	70.5	26.2	45.1	29.5	10.5	37.7	150.6	307.2	142.7
1963	161.9	191.6	69.8	56.2	102.3	76.5	70.0	50.6	41.3	112.7	83.3	114.0
1964	12.6	30.7	109.1	57.3	91.7	109.7	38.0	29.3	88.3	93.9	137.9	111.5
1965	57.8	113.0	50.9	104.7	87.5	34.5	-	44.0	15.7	1.0	134.2	146.0
1966	188.7	59.6	56.9	58.6	27.9	20.3	34.1	13.3	39.6	50.1	214.2	129.3
1967	82.4	6.8	78.2	99.7	88.8	37.0	104.3	37.0	37.3	26.0	23.4	129.2
1968	108.8	47.4	27.2	37.5	92.8	124.3	-	69.8	40.7	11.9	73.5	85.5
1969	47.6	131.5	109.7	90.9	26.9	29.4	16.6	45.7	35.3	-	43.3	246.0
1970	107.9	93.2	124.1	60.5	131.4	55.8	63.3	16.3	27.0	103.5	49.7	57.7
1971	133.6	54.9	112.7	40.9	76.9	50.3	76.7	23.1	136.8	23.1	119.2	52.2
1972	80.7	93.7	42.2	103.7	46.0	15.0	140.8	56.9	119.1	143.2	52.3	7.7
1973	66.8	87.0	132.2	57.3	23.3	28.9	36.7	116.1	-	-	-	-
1974	31.3	109.5	69.2	125.2	106.3	56.5	-	128.4	58.0	100.9	55.6	45.9
1975	41.2	27.6	53.4	84.2	62.7	81.0	22.6	39.2	21.4	189.8	76.7	42.8
1976	47.0	34.8	65.9	50.7	83.4	111.1	114.7	45.1	6.0	85.8	-	-
1977	56.0	81.1	28.6	31.9	53.1	52.7	0.4	23.8	95.3	32.4	105.3	21.7
1978	75.6	94.4	98.4	117.3	122.2	45.5	-	17.2	171.8	85.6	32.9	96.3
1979	122.6	47.6	55.3	112.8	177.1	22.4	29.3	58.6	48.7	87.7	245.2	82.8
1980	128.4	29.7	48.5	28.4	173.5	46.6	22.3	13.3	18.3	146.2	113.1	133.2
1981	67.8	60.9	107.2	60.0	74.6	35.4	48.0	94.0	45.1	162.5	58.1	129.7
1982	33.6	45.5	101.1	92.7	50.2	19.0	7.8	50.4	48.1	60.6	116.6	92.9
1983	25.3	101.8	15.7	33.8	76.2	147.4	100.3	38.4	43.1	54.8	135.1	100.6
1984	84.6	92.2	89.9	109.5	68.3	50.5	21.2	119.4	49.3	6.3	109.2	29.8
1985	169.5	98.2	62.3	58.0	79.9	36.4	5.1	-	37.6	30.0	423.5	20.2
1986	102.9	-	79.3	29.3	200.7	105.8	109.2	27.4	26.0	39.7	38.2	35.2
1987	114.5	73.2	114.1	62.7	87.8	31.8	52.0	7.9	12.1	83.9	77.5	75.2
1988	26.1	37.1	80.3	22.1	11.7	50.2	16.6	8.9	16.0	71.5	144.6	88.9
1989	-	79.0	58.6	33.9	134.1	72.0	131.9	42.2	16.0	141.7	62.5	41.2
1990	3.1	20.7	16.9	101.8	84.7	7.3	44.3	20.0	51.3	56.7	58.2	186.0
1991	16.4	92.2	32.7	109.3	69.3	36.9	82.5	11.3	49.6	34.5	183.1	16.8
1992	8.1	19.4	18.7	107.0	61.4	75.7	35.6	-	1.9	128.5	100.4	88.9
1993	32.5	34.2	63.1	35.5	60.4	-	7.7	7.9	26.1	66.2	-	129.7
1994	84.7	64.8	21.6	123.8	29.0	31.1	64.7	31.7	27.0	59.1	42.4	68.0
1995	104.6	39.6	72.3	62.8	121.0	13.7	111.9	131.2	146.9	-	90.7	171.5
1996	22.7	85.4	107.4	49.9	47.8	33.2	39.8	-	-	-	-	-
AVERAGE	71.6	69.7	71.0	69.7	81.7	52.4	54.2	44.0	48.4	77.1	113.8	90.2

N Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
56	571.8	43.2	310	77.5	85.9	85.9
82	1109.7	94.3	320	116.7	116.7	119.9
90	1130.2	67.2	278	69.5	86.1	98.6
95	910.0	35.8	284	42.7	56.8	63.4
78	789.3	37.1	317	52.3	60.0	60.0
101	892.6	51.3	13	62.5	62.5	63.6
90	766.2	35.2	141	58.8	60.1	61.8
95	719.4	51.6	166	58.5	61.2	68.0
82	822.9	56.7	108	58.6	71.1	81.9
88	890.4	47.5	148	55.6	55.6	58.9
91	900.4	67.3	1	70.5	74.9	79.8
86	901.3	36.1	272	53.5	72.7	79.8
49	548.3	41.2	240	59.7	75.0	83.6
86	886.8	50.2	237	69.5	69.5	104.9
74	742.6	32.4	284	55.1	80.2	93.3
78	644.5	57.5	184	61.2	64.3	65.3
71	582.3	33.8	44	33.8	46.4	49.5
80	947.2	35.5	81	53.7	53.7	64.5
95	1090.1	153.2	323	161.3	187.6	193.3
79	901.5	52.0	285	57.3	71.7	106.3
70	943.3	121.3	297	121.3	121.3	121.3
63	718.5	47.4	321	73.3	80.6	89.7
70	872.5	75.3	305	85.3	85.3	85.3
69	830.2	66.3	325	66.3	66.3	87.5
58	1020.7	80.4	6	124.8	166.3	183.4
67	793.7	55.2	145	68.3	74.9	74.9
63	792.7	33.1	126	45.7	45.7	57.4
57	574.0	32.2	328	43.6	50.3	60.1
65	813.1	75.0	283	107.8	107.8	107.8
66	651.0	49.7	345	65.5	77.7	77.7
72	734.6	43.1	321	65.1	79.5	79.5
55	645.6	41.3	110	59.5	59.5	59.5
43	463.3	56.4	277	56.4	58.7	58.7
59	647.9	43.0	184	47.8	55.2	55.2
76	1066.2	54.4	264	102.0	102.0	102.0
33	386.2	39.8	52	45.4	45.4	45.4

STD DEV	48.8	37.8	36.4	32.2	43.9	33.4	39.5	36.3	41.1	49.9	85.2	54.3
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O 20





LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Crna Reka  
121  
41° 04'  
739.7

GAUGING STATION  
ELEVATION  
LONGITUDE

RST021\_Kazhani  
890  
21° 09'

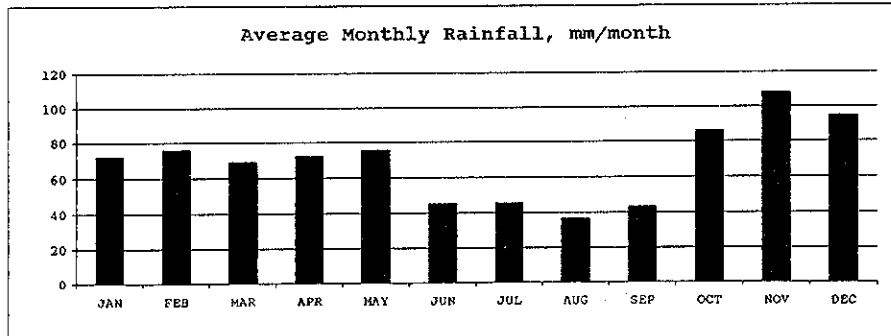
Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N. Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	46.8	56.0	76.9	76.9	120.6	29.4	40.7	9.8	14.5	60.7	174.7	57.4	82	765.2	45.2	319	69.1	73.2	76.5
1962	46.8	111.3	136.0	81.9	25.7	46.0	27.5	26.4	61.2	175.7	277.0	122.7	111	1139.2	71.8	320	89.5	90.4	94.2
1963	174.9	241.3	130.9	53.4	80.0	64.0	0.3	28.1	25.6	110.2	91.9	120.9	116	1121.5	59.5	52	71.6	82.0	92.3
1964	26.9	45.0	123.3	54.9	130.1	55.5	8.7	57.5	90.8	115.4	259.5	86.3	105	1053.9	69.3	316	130.0	146.5	159.7
1965	39.5	104.8	59.5	41.1	86.3	16.1	-	31.1	8.6	4.9	208.8	178.0	96	778.7	48.9	333	57.6	65.0	82.5
1966	190.1	44.3	82.1	52.3	104.8	81.0	14.6	4.5	53.5	65.9	197.7	204.9	109	1095.7	56.4	154	77.4	79.7	84.1
1967	103.1	23.8	71.0	58.0	83.8	45.6	176.7	4.7	35.5	44.6	49.0	132.2	99	828.0	57.1	141	63.1	71.3	73.6
1968	147.4	94.1	64.7	47.7	97.0	139.2	-	44.4	34.6	25.5	66.2	111.8	106	872.6	43.0	171	46.5	46.5	53.3
1969	147.7	106.6	119.4	84.1	34.7	21.2	11.8	38.7	36.2	-	42.9	167.9	107	811.2	33.0	108	36.0	49.7	61.8
1970	116.1	132.0	111.9	70.1	93.4	22.6	86.7	1.7	11.3	98.2	96.1	33.7	110	873.8	48.0	141	58.6	64.4	70.1
1971	36.7	72.9	79.7	39.7	57.7	29.4	48.4	57.8	57.7	31.4	85.0	57.7	88	654.1	36.1	231	38.4	51.5	62.7
1972	100.3	59.6	29.8	74.6	37.4	12.5	78.1	63.1	97.6	182.5	63.0	0.0	124	798.6	36.5	289	40.6	45.6	49.7
1973	58.8	88.5	102.0	86.2	33.1	50.3	37.6	148.8	-	-	-	-	73	605.3	59.3	240	68.4	75.5	107.9
1974	66.3	168.0	52.5	85.1	154.3	52.8	6.1	28.6	31.3	153.7	76.3	46.3	105	921.3	53.2	36	90.4	91.9	91.9
1975	72.8	34.2	48.5	70.6	79.1	75.3	68.9	9.4	29.4	149.9	96.8	54.1	85	789.0	57.0	1	70.7	80.2	82.9
1976	22.0	49.5	41.1	66.3	87.7	96.2	73.8	23.3	15.9	114.0	-	-	81	590.6	77.1	305	77.1	77.1	78.9
1977	38.7	85.4	44.3	39.5	45.3	56.1	2.1	12.1	131.2	29.6	129.5	40.6	72	644.4	50.1	244	50.1	70.3	70.3
1978	77.5	65.4	107.7	161.7	54.7	21.8	-	-	189.5	56.9	21.7	109.7	97	866.6	54.9	101	62.5	77.8	79.0
1979	104.6	73.3	32.1	120.9	167.2	16.8	27.7	96.0	33.4	94.1	230.3	89.1	101	1085.5	93.4	323	105.5	140.6	152.7
1980	102.4	25.3	70.3	39.6	141.6	42.7	-	13.1	27.1	238.7	97.3	96.7	94	894.8	46.8	295	70.8	95.9	105.0
1981	83.8	69.6	32.4	46.7	65.5	47.0	29.6	78.1	37.8	169.8	59.3	146.0	113	865.6	80.6	297	97.3	98.9	115.1
1982	68.7	34.5	95.1	109.5	78.6	29.1	23.0	28.0	48.0	3.0	12.0	90.8	80	620.3	33.0	349	42.1	42.1	48.0
1983	22.7	11.7	19.5	-	-	-	-	-	9.4	-	-	-	15	63.3	12.3	21	12.7	12.7	14.5
1984	46.5	40.8	36.5	47.0	6.6	-	-	-	19.0	-	-	-	37	196.4	20.0	67	20.0	24.2	24.2
1985	10.5	41.6	-	-	-	-	-	-	-	-	-	-	7	52.1	14.6	49	19.6	19.6	19.6
1986	96.6	-	13.5	27.2	24.6	32.9	55.7	4.2	23.8	45.3	24.2	48.4	76	396.4	28.6	17	32.4	32.4	35.6
1987	165.1	58.5	106.3	72.1	56.3	18.6	3.5	19.0	11.3	96.4	81.5	54.9	100	743.5	34.8	274	53.9	69.3	72.8
1988	23.0	68.1	97.1	33.7	17.7	43.6	4.6	11.4	16.0	55.9	174.2	100.5	92	646.6	43.4	328	62.6	66.7	85.9
1989	1.3	80.3	86.2	26.1	101.8	82.2	167.7	49.7	16.0	115.0	62.0	56.4	93	844.7	67.7	184	99.8	112.0	112.0
1990	2.0	36.8	15.2	85.0	62.2	25.3	20.0	29.6	42.3	65.1	64.5	223.7	94	671.7	34.9	345	52.2	55.7	77.8
1991	39.8	159.6	30.8	160.7	100.3	31.1	79.2	12.4	64.2	33.3	165.2	27.1	109	903.7	49.7	268	74.0	84.5	100.7
1992	10.6	24.6	19.3	175.0	47.5	86.6	27.4	46.8	1.9	125.0	99.5	63.3	76	727.5	36.4	102	55.3	67.1	67.1
1993	50.3	73.8	67.1	27.1	48.2	58.5	-	15.5	15.8	67.4	132.0	98.4	92	654.1	49.6	277	52.3	57.7	68.2
1994	83.9	119.3	13.7	153.9	64.1	32.5	68.7	64.9	19.2	54.2	32.8	59.8	91	767.0	36.0	119	58.0	58.0	58.5
1995	122.3	51.7	77.5	53.3	81.8	14.5	56.8	68.1	115.0	0.2	82.1	160.0	126	883.3	34.7	265	44.6	72.4	73.5
1996	38.3	94.3	117.5	35.5	89.5	6.5	24.0	-	-	-	-	-	62	405.6	43.5	88	46.0	47.5	50.5
AVERAGE	71.8	75.6	68.9	72.3	75.3	44.9	45.4	36.3	43.2	86.1	108.1	94.6							

STD DEV	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	50.3	47.2	37.2	40.6	38.8	28.9	44.5	32.2	40.8	59.5	71.5	54.4

021



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Crna Reka  
111  
41° 13'  
416.2

GAUGING STATION  
ELEVATION

RST022\_Slepche  
650

LONGITUDE

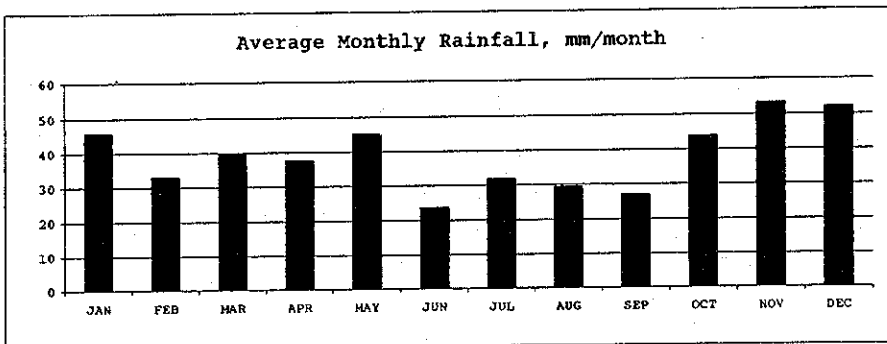
21° 12'

Total Monthly Rainfall

Units: mm

Year	Total Monthly Rainfall												N_Wet	Av_Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC							
1961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1962	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1963	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1964	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1965	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1966	55.3	12.0	30.7	31.1	21.7	36.0	12.1	5.5	19.1	15.5	108.9	84.7	104	432.6	30.1	329	37.8	37.8	37.8
1967	54.2	9.6	45.2	57.2	73.2	-	130.5	7.8	9.1	34.7	23.0	58.6	90	503.1	38.7	142	54.6	61.3	61.3
1968	59.8	-	19.4	38.8	53.9	136.5	-	-	-	26.6	60.7	-	65	395.7	40.3	166	48.6	54.2	57.4
1969	84.3	68.3	85.0	63.9	5.3	8.2	25.1	28.3	22.4	-	29.8	123.7	110	544.3	35.3	108	40.5	45.5	48.8
1970	31.5	58.0	98.3	29.5	62.2	25.4	37.2	1.2	7.5	30.8	35.5	79.7	103	496.8	53.5	365	56.7	61.9	61.9
1971	70.0	32.7	97.3	28.2	37.4	21.2	20.9	25.3	73.8	23.5	41.0	54.6	99	525.9	32.7	1	43.4	48.7	50.8
1972	60.1	75.1	26.5	144.4	15.4	5.7	131.3	32.9	42.5	127.4	14.6	7.8	136	683.7	34.7	197	43.1	57.8	60.9
1973	70.6	76.4	103.4	45.2	37.4	23.6	41.8	99.0	-	-	-	-	58	497.4	47.0	240	50.0	68.0	70.0
1974	65.6	95.6	79.0	85.2	69.5	45.1	1.5	70.8	17.0	67.5	43.9	33.3	106	674.0	27.0	36	36.7	45.0	50.3
1975	44.9	6.4	44.3	55.8	119.6	27.2	34.6	12.3	13.7	130.3	151.0	13.0	86	653.1	40.3	324	70.5	96.6	100.1
1976	39.0	21.8	20.6	44.1	100.1	85.0	65.5	14.3	1.5	79.7	-	-	76	471.6	33.3	180	42.2	57.4	60.6
1977	32.8	24.7	19.4	11.5	42.3	32.9	-	39.9	18.0	2.5	93.1	24.0	68	341.1	20.5	324	32.2	43.3	45.6
1978	58.4	46.3	53.8	-	52.8	8.8	-	22.9	69.1	63.5	-	102.3	82	477.9	32.2	349	46.0	46.0	46.0
1979	131.8	29.7	32.5	91.4	172.8	11.5	15.0	60.2	53.1	88.0	206.4	-	95	892.4	91.5	323	154.5	165.0	172.5
1980	106.9	27.0	48.6	23.1	97.2	17.2	8.0	19.5	10.6	144.8	63.1	96.1	86	662.1	37.8	28	43.3	55.8	59.8
1981	22.6	69.0	75.7	34.8	62.5	0.5	62.3	70.7	18.1	157.4	65.0	99.8	81	738.4	115.0	297	126.0	126.0	126.3
1982	7.5	15.7	22.1	76.9	62.1	5.0	1.7	58.0	37.0	32.3	15.2	48.7	78	382.2	38.5	105	41.6	41.6	44.3
1983	2.8	4.2	5.4	3.0	72.7	41.9	70.0	34.1	96.0	27.3	57.8	84.4	77	499.6	51.5	198	52.9	55.3	57.0
1984	34.4	20.0	4.5	8.3	0.2	14.7	10.4	65.9	37.6	1.5	81.0	24.7	61	303.2	72.0	325	81.0	81.0	81.0
1985	35.7	41.6	28.3	45.6	36.8	1.0	0.7	-	15.0	17.0	116.0	25.7	51	363.4	50.2	331	53.2	67.6	67.6
1986	65.2	-	18.8	0.7	6.5	29.6	17.5	8.3	2.1	12.4	5.6	28.8	51	195.5	18.0	17	18.0	20.5	27.9
1987	75.2	12.6	72.4	5.8	9.7	5.1	70.1	-	-	18.0	3.5	47.5	59	319.9	37.4	197	51.0	53.0	57.0
1988	4.5	27.4	11.6	11.4	4.2	16.2	4.3	0.7	17.4	17.9	75.9	76.3	55	267.8	17.8	353	34.0	46.3	46.3
1989	-	21.9	15.0	14.1	61.6	24.4	12.9	8.6	17.4	8.3	8.5	8.1	54	200.8	19.8	58	21.9	23.0	29.7
1990	1.3	15.4	-	48.2	22.6	1.5	2.3	16.1	9.9	12.0	31.6	135.4	51	296.3	28.3	101	42.6	58.0	61.1
1991	6.5	86.5	5.9	28.8	19.2	-	9.6	-	10.5	12.3	12.7	3.1	54	195.1	35.0	47	53.0	67.0	69.1
1992	7.0	8.7	-	3.9	23.3	16.7	14.9	16.1	-	2.6	9.4	22.4	39	125.0	16.1	218	16.1	16.1	16.1
1993	28.7	12.0	16.8	-	15.0	2.8	1.4	1.3	-	12.9	17.6	4.8	39	113.3	8.2	318	13.2	17.8	22.1
1994	10.5	21.8	0.7	24.4	9.3	10.5	49.2	3.3	6.9	15.6	6.9	11.4	53	170.5	23.0	204	26.8	26.8	26.8
1995	95.2	7.0	11.9	4.3	20.1	-	37.6	36.4	44.2	-	56.4	50.6	62	363.7	34.0	323	38.0	43.0	52.0
1996	7.4	6.1	54.7	30.0	10.3	4.9	2.3	-	-	-	-	-	37	115.7	17.0	88	18.0	21.0	21.0
AVERAGE	45.7	32.9	39.6	37.6	45.1	23.5	31.8	29.2	26.8	43.8	53.1	51.9							
STD DEV	33.7	27.1	31.3	32.2	39.3	28.5	35.8	26.5	24.3	46.9	49.0	39.0							

O 22



LOCATION Treska  
 STATION ID 85  
 REGISTRY NUMBER  
 LATITUDE 41° 31'  
 AVERAGE ANNUAL TOTAL 595.4

GAUGING STATION  
 ELEVATION  
 LONGITUDE 21° 13'

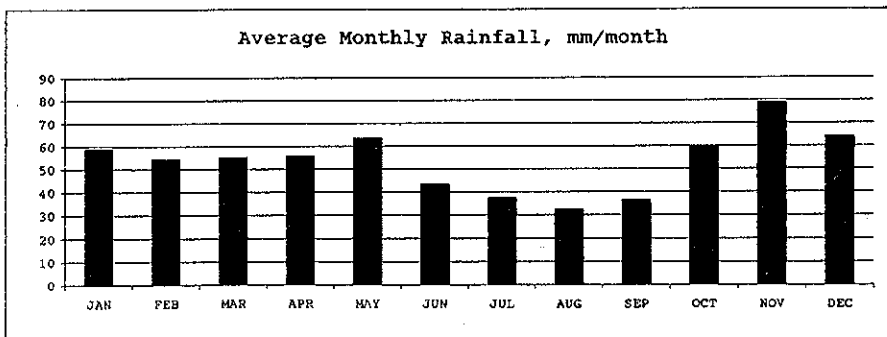
RST023\_Mak. Brod  
 545

Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N. Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day	
1961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1962	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1963	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1964	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1965	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1966	119.0	21.6	51.8	63.3	48.9	47.5	18.6	7.4	41.5	61.0	120.8	135.0	117	736.4	40.3	310	43.1	62.2	65.9	
1967	89.8	2.4	62.5	47.2	96.8	31.1	77.9	57.0	44.2	16.4	34.2	100.8	103	660.3	36.8	74	62.8	70.0	73.4	
1968	87.2	38.4	19.0	32.2	120.7	177.3	2.4	73.1	38.7	16.6	81.3	86.6	115	773.5	62.6	136	81.2	81.2	93.6	
1969	88.6	155.6	115.0	79.5	11.3	49.3	25.9	33.2	25.5	-	17.4	179.6	114	780.9	54.2	108	54.2	60.6	60.8	
1970	83.0	84.0	116.0	39.7	49.3	35.0	40.5	-	4.9	60.6	34.6	47.8	93	595.4	29.8	74	37.4	38.6	42.4	
1971	108.4	33.6	58.4	-	41.0	11.3	30.9	33.7	66.1	7.4	20.3	36.8	71	447.9	62.4	1	64.8	64.8	69.6	
1972	38.8	64.4	49.8	158.7	41.4	20.0	80.8	21.0	63.8	122.4	23.6	3.6	108	688.3	99.9	112	105.3	110.2	112.1	
1973	55.9	74.6	103.6	57.2	47.4	61.2	37.2	62.5	-	-	-	-	80	499.6	34.6	164	53.0	53.0	55.0	
1974	89.2	156.0	87.3	66.4	151.6	48.8	10.4	12.2	23.2	107.3	81.2	23.6	112	857.2	42.0	126	67.4	67.4	67.4	
1975	14.6	18.6	55.4	34.2	35.2	36.4	-	-	17.4	165.0	43.0	16.6	79	436.4	33.4	291	43.4	68.6	79.8	
1976	37.6	27.2	35.4	34.6	48.8	89.0	48.6	25.4	-	61.0	-	-	95	407.6	24.4	292	34.2	42.6	42.6	
1977	31.4	52.4	22.4	33.6	33.6	65.0	6.2	20.0	54.0	122.6	37.6	-	98	504.6	24.8	331	33.2	36.6	43.4	
1978	56.4	49.0	44.0	83.0	100.2	11.2	3.0	12.8	70.0	30.4	17.2	87.8	117	565.0	22.8	95	31.2	34.8	40.0	
1979	112.1	59.2	36.4	70.2	109.0	43.0	47.4	57.7	53.2	65.0	275.4	67.4	154	996.0	156.4	323	163.0	188.8	195.4	
1980	104.0	26.8	69.0	20.6	128.2	52.0	36.0	25.2	27.0	130.2	70.8	96.5	135	786.3	34.6	287	43.4	67.0	75.8	
1981	53.5	57.2	106.7	40.4	42.8	15.0	41.2	128.4	48.2	159.4	69.9	86.0	141	848.7	107.8	297	116.0	118.8	122.2	
1982	32.0	42.8	79.8	77.6	48.2	5.6	27.3	59.2	34.2	49.2	60.6	65.2	111	581.7	24.2	105	35.8	39.8	42.8	
1983	24.8	45.7	46.0	19.6	41.4	158.4	67.3	7.1	70.5	30.8	98.4	97.6	131	707.6	44.8	305	52.2	52.2	53.8	
1984	80.6	87.6	65.4	62.5	37.4	11.9	7.6	80.2	35.2	14.2	61.4	25.2	129	569.2	33.6	325	37.2	49.0	49.0	
1985	70.4	58.6	55.4	40.0	98.8	19.2	6.8	1.4	19.0	31.9	258.6	18.0	124	678.1	58.8	331	71.2	87.8	95.2	
1986	62.2	-	45.3	19.8	113.1	70.0	71.7	8.4	17.4	54.2	20.3	35.9	119	538.3	28.4	126	34.6	41.0	45.5	
1987	110.8	48.9	92.3	43.8	69.5	17.8	8.5	8.0	20.3	46.2	59.7	62.2	121	588.0	22.6	82	35.2	43.8	51.0	
1988	13.8	13.0	37.8	25.3	22.7	27.5	16.7	15.9	18.6	41.5	125.0	66.2	101	426.0	25.6	311	30.0	38.2	40.2	
1989	1.6	38.4	31.2	35.4	140.2	51.0	134.7	49.8	18.6	82.0	49.0	29.2	88	661.1	46.2	207	68.6	73.2	73.2	
1990	2.6	16.2	8.3	100.6	43.2	14.8	19.8	17.8	26.0	42.6	58.2	107.3	101	457.4	34.2	100	52.6	54.0	65.8	
1991	20.2	134.2	27.0	106.9	47.6	34.0	65.0	34.8	33.8	56.4	101.9	13.1	117	674.9	42.2	47	80.8	89.0	112.8	
1992	13.0	16.8	1.5	97.2	30.6	47.0	77.4	0.6	2.6	63.0	88.4	62.8	78	500.9	36.4	323	57.2	57.2	57.2	
1993	41.4	39.6	64.0	17.6	35.2	19.4	4.6	12.6	23.8	53.5	88.0	55.4	107	455.1	41.8	277	42.4	42.4	42.8	
1994	-	54.0	5.8	77.0	19.4	12.0	34.5	20.0	10.2	37.0	16.4	49.2	81	335.5	30.4	359	35.8	40.4	42.4	
1995	-	-	-	-	-	-	-	2.2	-	-	-	-	1	2.2	2.2	223	2.2	2.2	2.2	
1996	59.5	57.8	60.9	31.9	48.0	18.7	29.6	50.0	109.5	45.4	109.6	95.8	130	716.7	32.4	337	41.0	47.6	69.0	
AVERAGE	58.7	54.3	55.1	55.7	63.4	43.3	37.3	32.3	36.3	59.9	78.9	63.9								
STD DEV	36.0	38.8	31.3	32.6	38.9	39.7	31.0	29.4	24.0	41.5	63.2	40.4								

023



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Crna Reka  
104  
41° 22'  
760.9

GAUGING STATION  
ELEVATION

RST024\_Krushevo  
1230

LONGITUDE

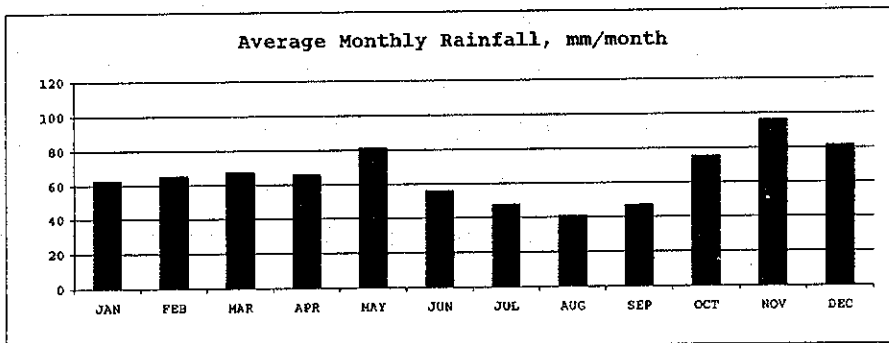
21° 15'

Total Monthly Rainfall

Units: mm

Year	Total Monthly Rainfall												N.Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC							
1961	20.6	29.9	46.8	46.8	76.7	29.7	39.1	7.5	8.0	26.6	87.5	42.1	94	461.3	35.0	310	39.0	42.5	44.1
1962	38.6	64.1	122.3	52.2	19.0	82.8	33.5	1.2	40.6	113.0	270.2	144.0	130	981.5	103.0	320	126.0	126.0	126.2
1963	120.0	119.2	125.8	50.2	117.3	47.0	41.3	46.6	45.5	113.8	81.0	80.9	133	988.6	35.0	81	49.0	57.0	60.5
1964	10.7	37.0	77.5	33.5	109.9	90.2	54.0	52.8	80.8	84.8	137.3	90.9	136	859.4	54.0	247	56.5	67.0	85.3
1965	42.8	103.7	38.3	97.8	28.5	20.1	2.3	26.3	15.5	1.4	43.1	63.1	107	482.9	36.5	103	38.5	52.0	67.0
1966	79.2	17.0	31.8	43.4	42.7	47.5	24.1	2.6	66.9	73.0	131.3	100.8	122	660.3	45.0	310	48.5	50.0	50.0
1967	69.3	18.1	46.0	58.2	76.2	89.6	105.1	41.6	53.7	32.3	32.0	107.6	124	729.7	36.0	181	55.5	59.0	70.7
1968	96.9	50.1	34.2	63.9	63.4	159.7	0.5	36.4	29.8	27.6	94.0	78.0	127	734.5	65.0	166	68.0	79.5	82.5
1969	75.6	116.9	98.7	46.6	14.0	14.5	31.5	77.1	49.9	3.0	30.2	108.7	137	746.7	30.0	223	36.0	45.0	45.0
1970	79.2	73.6	90.8	54.8	82.4	52.3	46.3	11.7	5.0	99.6	39.5	65.4	132	700.6	31.4	365	35.1	39.8	44.1
1971	109.7	52.1	93.1	34.9	77.7	48.9	52.0	55.1	124.7	43.5	70.8	41.3	122	803.8	58.6	1	59.8	61.1	71.9
1972	81.3	69.5	44.3	124.7	45.6	16.1	152.6	44.3	83.1	142.6	51.6	9.0	136	864.7	45.0	198	88.4	109.3	112.9
1973	61.5	61.0	76.0	72.0	44.7	44.9	53.3	111.8	-	-	-	-	95	525.2	38.2	239	74.7	79.8	89.8
1974	65.0	131.5	64.7	94.3	130.4	85.2	5.7	50.6	49.3	116.3	97.4	58.5	147	948.9	33.7	126	56.8	56.8	61.2
1975	57.9	49.3	59.1	58.4	82.9	61.9	70.6	15.2	22.2	161.8	85.0	34.2	116	758.5	45.4	1	51.9	80.3	89.0
1976	44.6	51.4	59.9	48.7	94.3	135.4	99.6	40.7	30.5	91.4	-	-	130	696.5	51.1	158	52.1	55.1	67.4
1977	39.3	70.4	36.4	37.7	55.5	59.8	10.2	58.9	100.2	16.2	93.1	41.9	115	619.6	30.7	44	31.5	44.7	53.9
1978	64.4	81.9	82.6	139.3	144.4	10.9	7.0	26.9	130.2	85.6	34.0	110.2	146	917.4	36.6	94	55.5	57.9	74.3
1979	122.0	46.3	32.9	90.7	152.7	41.9	36.2	78.1	66.8	108.4	261.5	71.5	153	1109.0	139.0	323	148.0	169.8	178.8
1980	85.7	31.5	90.5	28.2	174.9	60.6	13.8	25.5	16.6	187.8	69.5	94.5	146	889.1	49.6	285	60.5	77.5	90.7
1981	51.9	86.0	99.8	89.7	63.5	33.3	38.3	82.4	40.5	176.7	81.6	131.7	139	975.4	106.2	297	111.2	114.2	126.5
1982	26.8	48.5	88.9	104.4	93.9	51.4	30.0	60.5	48.8	56.7	74.4	103.2	124	787.5	40.0	159	46.0	46.0	46.0
1983	30.0	75.0	60.7	20.0	95.1	157.2	97.2	16.2	85.5	43.8	97.6	130.8	128	909.1	53.4	305	60.0	68.5	84.8
1984	76.0	96.4	64.4	81.4	41.6	26.3	18.0	79.5	52.6	12.0	70.3	32.6	139	651.1	50.1	325	56.0	57.5	58.9
1985	75.4	78.4	46.9	64.4	112.6	32.9	0.3	3.6	23.4	51.6	278.6	23.8	127	791.9	76.0	331	81.0	99.3	118.4
1986	113.4	-	84.0	22.4	169.6	112.2	59.0	20.3	15.5	53.4	37.0	43.8	128	730.6	58.0	145	59.6	59.8	60.3
1987	124.8	51.0	135.9	76.1	92.7	24.5	8.8	15.0	33.5	70.8	76.7	64.4	140	774.2	36.5	82	57.7	62.3	66.8
1988	28.7	44.0	86.5	32.6	18.1	67.6	29.5	14.4	24.6	73.0	150.2	01.1	122	650.3	37.5	179	37.7	41.0	50.5
1989	1.0	60.3	54.5	53.5	103.0	91.6	129.4	44.1	24.6	97.8	52.9	60.2	114	772.9	43.0	282	56.5	65.5	70.5
1990	2.7	25.9	17.8	85.6	93.4	18.6	15.9	28.4	33.7	48.7	59.3	206.9	113	636.9	35.6	345	44.1	52.3	70.1
1991	39.3	124.3	35.3	123.0	68.4	30.9	57.0	61.5	49.1	36.7	123.1	30.4	136	779.0	39.5	268	61.8	65.2	88.4
1992	24.5	14.4	16.8	148.2	49.8	64.6	66.5	0.7	7.3	90.9	99.6	85.3	105	688.6	42.7	102	58.2	71.0	71.7
1993	36.6	44.2	76.6	30.5	75.3	40.9	8.5	24.5	19.3	71.1	111.8	66.2	121	605.5	51.8	277	52.6	52.6	52.9
1994	-	95.4	10.3	99.3	25.2	23.1	131.7	41.8	14.0	61.4	33.9	68.7	98	604.8	40.0	113	56.0	58.2	60.2
1995	125.7	47.7	96.7	0.3	117.5	18.6	94.7	75.9	42.5	-	-	-	99	619.6	31.5	150	42.5	42.7	46.2
1996	63.8	111.5	98.0	59.0	61.9	10.1	44.1	81.1	102.8	73.7	117.7	134.8	158	958.5	54.0	243	55.2	58.4	84.7
AVERAGE	62.4	65.1	67.4	65.7	81.0	55.6	47.4	40.6	46.8	75.2	96.2	81.4							
STD DEV	35.4	32.0	31.7	34.9	41.6	39.1	40.0	28.1	32.8	47.8	64.4	45.4							

O 24



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

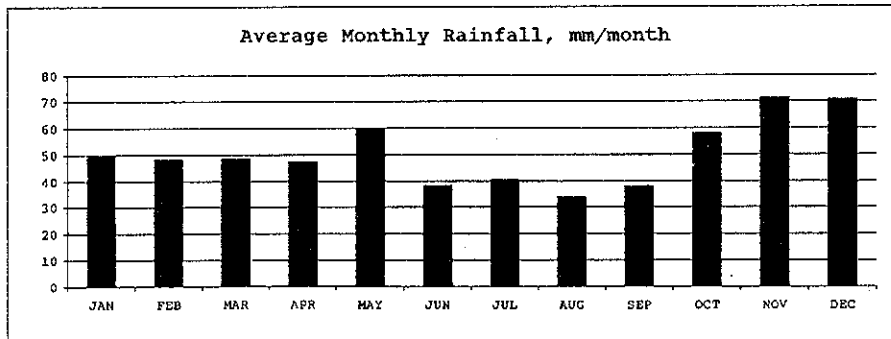
Crna Reka  
122  
41° 03'  
584.8

GAUGING STATION  
ELEVATION  
LONGITUDE

RST025\_Bitola  
586  
21° 22'

Total Monthly Rainfall													Units: mm						
Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N_Wet	Av_Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	37.6	24.6	29.3	29.3	63.6	34.3	18.1	3.2	9.4	28.8	95.6	40.4	83	414.2	39.8	310	65.4	67.3	68.2
1962	37.2	75.7	85.7	48.3	9.5	49.6	12.5	7.5	20.9	92.6	198.9	111.5	123	749.9	70.4	320	86.1	86.3	86.9
1963	85.9	83.4	77.4	45.1	108.9	33.8	33.8	12.9	38.1	73.6	55.2	72.3	127	720.4	30.0	115	40.1	40.6	44.3
1964	17.8	13.8	56.8	22.1	121.0	24.3	39.8	39.5	62.1	47.6	129.1	52.6	123	626.5	41.7	316	83.3	95.9	107.5
1965	29.3	80.0	27.7	30.5	39.8	14.6	0.2	19.7	0.8	-	59.1	84.2	105	385.9	20.4	56	29.6	29.9	32.5
1966	93.4	28.6	60.1	26.2	37.1	76.7	29.0	17.0	27.9	32.6	72.0	95.3	123	595.9	45.3	154	64.0	64.8	65.8
1967	51.0	7.9	48.8	37.7	102.1	40.3	108.0	13.6	37.1	37.2	33.7	84.3	118	601.7	40.2	141	59.9	67.1	74.4
1968	63.6	55.7	24.7	15.7	74.8	96.3	-	43.8	29.1	12.0	41.8	62.0	126	519.5	21.8	137	33.3	34.6	42.1
1969	76.3	56.3	72.9	54.8	12.4	9.4	23.2	27.4	27.3	-	8.7	177.7	110	546.4	40.3	336	52.5	54.7	55.7
1970	56.0	64.2	64.9	26.4	76.2	39.5	90.7	5.2	8.3	68.9	22.8	38.1	119	561.2	46.3	187	57.0	69.2	79.9
1971	68.3	54.9	89.5	27.9	33.0	24.0	35.6	33.1	154.7	18.1	24.1	45.1	119	608.3	91.0	261	107.0	107.0	121.2
1972	64.6	60.8	31.2	90.4	39.5	15.6	89.1	84.7	43.4	163.5	27.0	7.3	125	717.1	39.2	244	51.9	56.5	58.9
1973	41.9	61.3	96.1	24.8	26.3	11.4	50.8	55.2	-	-	-	-	91	367.8	25.2	192	31.5	37.1	40.2
1974	49.0	118.6	44.8	46.2	65.7	48.2	0.7	23.7	14.8	55.1	69.5	59.3	122	595.6	32.8	312	46.7	47.4	47.9
1975	36.0	41.9	46.9	40.9	62.7	47.2	52.6	25.8	16.5	85.7	49.5	26.7	116	532.6	24.8	324	32.3	45.9	50.7
1976	16.8	27.7	22.5	46.2	84.6	115.2	119.4	52.7	11.1	57.5	-	-	107	553.7	39.2	159	62.0	68.5	69.5
1977	22.4	39.8	24.9	23.6	48.2	25.8	12.4	31.5	54.4	6.0	52.1	23.9	107	365.0	17.5	246	19.3	24.4	26.2
1978	42.3	35.9	51.2	86.9	64.7	6.4	1.9	13.7	95.2	97.0	23.0	84.2	135	602.4	45.3	301	68.9	72.6	72.9
1979	75.8	22.9	23.3	80.8	116.5	23.0	5.6	96.8	32.8	86.4	221.5	50.8	134	836.2	116.0	323	119.6	154.6	158.2
1980	90.6	32.5	53.9	35.5	92.7	21.3	1.9	12.5	14.5	140.0	50.8	74.4	122	620.6	32.7	295	53.3	67.8	70.5
1981	61.6	51.2	89.3	66.8	32.9	47.8	42.8	66.1	44.0	161.3	75.2	103.2	129	842.2	80.7	297	91.8	92.0	114.4
1982	16.7	34.4	46.2	128.8	74.8	29.6	11.1	71.2	47.3	49.6	98.7	81.2	115	689.6	50.5	223	61.6	69.4	72.5
1983	24.9	45.5	24.8	22.4	67.3	99.5	126.8	23.5	72.2	25.1	68.7	133.7	130	734.4	46.3	337	78.3	86.1	96.7
1984	58.0	83.4	47.7	52.0	7.1	41.9	19.3	80.8	30.4	5.5	45.2	39.0	137	510.3	24.6	229	33.7	33.7	38.4
1985	89.4	42.3	36.6	58.7	86.3	15.4	8.5	3.9	15.5	34.1	194.8	22.9	120	608.4	58.4	9	64.8	69.9	82.4
1986	68.5	-	49.7	9.4	110.8	62.6	64.8	3.2	3.7	41.0	40.8	28.9	117	483.4	25.7	309	40.4	40.6	40.6
1987	74.2	58.3	97.7	46.5	25.8	26.4	16.5	11.0	16.0	84.8	76.8	27.8	121	561.9	33.4	82	55.0	58.3	58.8
1988	19.3	41.8	56.8	22.1	12.6	44.5	5.0	2.5	34.3	36.1	115.0	64.6	117	454.6	20.1	352	34.4	39.5	39.5
1989	1.4	43.5	39.3	25.1	90.2	44.4	121.7	13.6	34.3	71.4	28.2	57.2	107	570.3	35.4	185	48.1	60.3	62.8
1990	2.3	24.5	14.6	42.8	37.4	9.0	38.9	46.2	37.6	13.7	52.3	196.8	107	516.1	30.8	312	40.9	43.5	67.3
1991	37.9	93.0	22.9	97.3	59.6	8.3	53.5	97.8	68.8	18.5	110.3	25.1	131	693.0	50.0	228	53.9	53.9	56.1
1992	13.3	9.6	37.1	113.8	46.8	85.8	22.1	14.5	23.3	70.9	52.1	70.5	98	559.8	45.7	169	55.4	62.2	63.2
1993	40.3	24.2	44.2	10.0	54.1	39.1	6.3	16.0	10.3	54.9	77.3	49.7	110	426.4	43.2	277	44.9	44.9	45.0
1994	87.7	64.5	15.7	96.3	13.8	23.3	41.2	48.7	5.9	37.0	32.7	74.3	109	541.1	30.6	10	52.0	59.9	64.0
1995	89.1	17.6	34.0	39.1	79.6	19.3	79.5	40.8	72.1	-	55.2	139.3	138	665.6	41.0	189	41.9	46.3	60.8
1996	50.7	65.6	49.9	32.3	71.6	15.1	30.0	48.5	111.8	46.4	62.0	91.0	134	674.9	39.4	133	41.3	46.6	51.2
AVERAGE	49.8	48.2	48.3	47.3	59.7	38.0	40.4	33.6	37.9	57.9	71.2	70.5							
STD DEV	27.0	25.3	23.3	29.7	32.2	27.4	37.6	27.4	32.9	41.0	50.8	43.3							

O 25



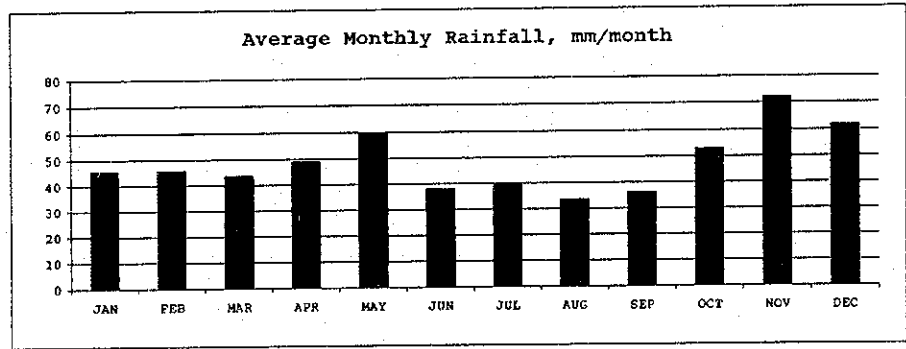
LOCATION Crna Reka  
 STATION ID 113  
 REGISTRY NUMBER  
 LATITUDE 41° 14'  
 AVERAGE ANNUAL TOTAL 531.0

GAUGING STATION  
 ELEVATION  
 LONGITUDE 21° 26'

RST026\_Topolchani  
 610

Total Monthly Rainfall												Units: mm							
Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	19.6	47.9	22.3	22.3	61.4	47.8	34.8	18.5	-	32.9	73.6	48.7	56	429.8	23.0	294	40.9	41.6	41.6
1962	34.0	76.1	84.0	29.4	9.3	84.4	16.6	4.1	37.6	93.9	195.5	108.3	80	773.2	81.0	320	93.2	101.6	101.6
1963	101.1	108.1	72.7	37.7	79.6	34.0	32.8	23.0	44.6	35.5	14.6	87.6	80	671.3	36.0	35	52.8	58.1	52.3
1964	14.4	23.2	44.4	45.4	119.2	21.2	60.0	28.3	44.8	61.2	124.8	34.3	55	621.2	44.4	205	60.7	73.0	82.7
1965	28.9	76.6	9.7	49.7	22.7	21.1	-	34.1	4.5	-	76.0	52.8	52	376.1	27.6	333	27.6	34.8	34.8
1966	62.3	18.8	40.2	36.9	61.2	62.1	-	-	40.0	67.6	-	129.5	50	518.6	33.8	279	54.0	56.9	56.9
1967	44.9	5.8	34.4	57.6	89.0	30.4	132.0	41.1	51.6	31.3	24.7	102.6	76	645.4	34.3	233	39.3	51.4	63.3
1968	82.5	57.4	11.1	35.3	77.6	111.8	-	45.5	33.9	5.3	113.8	72.5	72	646.7	29.7	167	37.6	42.7	50.6
1969	81.1	99.2	110.9	77.8	24.8	17.3	22.4	77.6	28.4	-	-	158.9	60	698.4	32.4	108	44.3	57.5	56.8
1970	56.8	55.8	71.1	30.9	95.7	32.2	84.3	9.9	9.2	81.4	41.5	33.3	68	602.1	32.2	189	40.1	52.5	62.6
1971	59.6	41.6	80.0	19.8	57.3	42.5	43.8	17.0	66.9	23.3	-	14.6	69	466.4	34.4	1	34.4	36.7	48.0
1972	53.0	55.9	27.5	74.5	20.4	9.5	52.2	26.9	47.1	132.3	30.6	6.1	79	536.0	36.2	289	38.0	43.5	43.5
1973	52.9	50.0	65.9	44.9	29.4	10.1	38.5	108.4	-	-	-	-	51	400.1	23.7	243	38.9	38.9	56.5
1974	59.4	92.1	40.8	55.4	76.8	37.5	0.5	57.4	32.5	70.5	51.8	37.8	67	612.5	40.3	47	40.3	40.3	40.3
1975	27.7	28.1	32.6	51.8	60.5	43.0	-	-	-	-	-	-	34	243.7	21.6	134	27.4	32.1	34.2
1976	-	-	17.5	45.7	68.1	94.0	44.7	52.9	19.2	45.4	-	-	73	387.5	26.4	159	47.2	47.2	47.2
1977	-	35.9	25.3	18.3	45.5	33.0	8.2	33.1	64.3	34.2	41.1	26.1	76	365.0	23.0	286	32.6	33.0	33.0
1978	44.5	28.6	48.7	93.2	60.4	4.4	1.2	15.6	81.0	62.4	25.4	70.9	111	536.3	24.0	95	34.5	41.3	47.7
1979	69.1	34.2	23.3	90.1	127.5	27.8	9.5	44.7	35.0	72.5	174.3	42.8	123	750.8	100.0	323	102.6	130.8	133.4
1980	85.9	23.9	47.1	29.4	110.0	37.0	11.0	17.3	17.7	129.4	46.1	74.2	118	629.0	29.5	285	37.5	52.5	56.5
1981	53.2	54.7	78.0	63.6	28.7	19.3	26.5	50.5	22.2	157.4	86.2	88.7	115	729.0	97.4	297	105.9	106.4	123.9
1982	13.4	32.9	35.4	94.9	49.8	15.9	15.4	64.8	41.3	53.2	93.8	44.9	102	555.7	39.0	321	56.5	70.9	73.0
1983	12.1	52.3	13.4	21.3	65.6	123.2	100.1	11.5	87.7	27.4	79.3	78.2	102	672.1	38.0	305	42.5	47.2	59.2
1984	71.3	68.9	54.2	60.3	11.2	19.4	19.8	146.5	29.4	7.6	53.5	37.5	101	579.6	57.2	229	57.2	74.2	84.7
1985	70.5	42.5	38.7	40.8	85.7	33.3	7.2	9.5	20.0	22.2	191.1	12.7	92	574.2	51.1	331	53.1	72.7	84.6
1986	62.8	-	50.5	10.3	124.7	70.4	75.6	3.6	10.1	35.3	22.0	28.9	97	494.2	24.2	17	34.7	40.7	40.9
1987	66.1	24.8	97.6	55.6	55.6	20.1	9.8	4.5	9.8	70.3	64.4	36.9	105	515.5	26.0	82	49.7	52.5	53.9
1988	19.2	24.8	45.9	20.9	6.9	37.3	7.7	6.7	32.3	39.1	96.8	51.0	90	388.6	16.9	267	21.7	26.2	30.6
1989	0.2	30.5	37.5	35.4	60.2	65.6	66.8	21.7	32.3	56.9	28.6	37.6	85	473.3	21.6	185	24.4	30.6	37.1
1990	1.5	12.4	16.7	61.6	60.7	19.7	12.7	42.4	25.3	27.5	45.2	153.6	94	479.3	32.2	338	40.2	42.6	57.1
1991	16.6	83.5	19.3	77.9	53.1	11.7	55.8	21.8	60.0	20.2	83.5	11.8	103	515.2	32.2	268	45.2	45.2	54.7
1992	13.1	7.6	29.3	95.1	27.4	71.0	45.9	2.5	23.0	54.6	55.1	48.8	71	473.4	60.4	169	62.6	62.6	63.2
1993	13.0	15.0	34.7	8.9	57.1	14.7	11.3	8.9	9.0	52.7	73.7	43.6	93	342.6	45.2	277	45.2	45.2	45.2
1994	51.0	42.0	4.8	76.6	13.3	12.8	55.7	21.1	7.1	31.6	20.4	61.6	86	398.0	37.0	113	50.0	55.4	56.2
1995	59.3	22.6	41.5	38.0	64.9	15.9	141.1	31.8	83.8	0.7	63.0	137.0	117	699.6	73.0	189	73.0	73.6	73.6
1996	43.4	76.3	56.7	48.6	69.1	7.3	13.4	-	-	-	-	-	69	316.8	28.5	133	37.7	38.0	40.5
AVERAGE	45.4	45.6	43.5	48.8	59.2	37.7	39.3	33.4	36.0	52.8	72.1	61.7							
STD DEV	26.5	26.8	25.5	24.4	32.2	29.6	36.2	31.2	22.7	36.8	48.9	41.0							

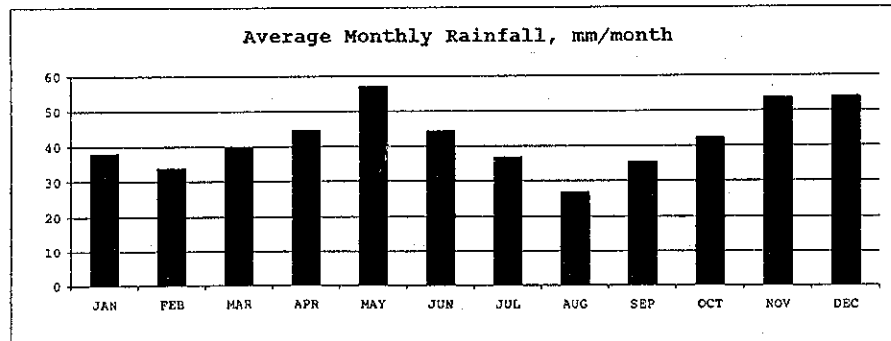
O 26



LOCATION Vardar GAUGING STATION RST027\_Skopje  
 STATION ID 34 ELEVATION 240  
 REGISTRY NUMBER  
 LATITUDE 42° 01' LONGITUDE 21° 25'  
 AVERAGE ANNUAL TOTAL 493.1

Total Monthly Rainfall												Units: mm							
Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N.Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	23.2	3.2	63.9	63.8	87.3	43.7	52.7	3.8	11.8	9.2	83.5	32.1	82	478.1	29.0	190	44.9	51.7	51.9
1962	20.5	40.4	119.2	60.8	15.6	73.8	13.2	19.6	15.0	68.1	189.3	105.3	116	740.8	63.3	305	77.1	78.0	82.6
1963	92.3	75.8	56.7	43.1	59.8	23.6	11.3	23.0	9.2	135.4	46.5	42.2	136	618.9	47.3	278	51.8	53.5	54.8
1964	7.3	4.8	56.5	30.5	95.7	31.5	57.8	23.9	105.0	49.9	47.4	30.9	109	541.2	46.0	247	52.0	52.2	56.0
1965	31.2	44.3	16.3	18.5	54.3	34.2	19.1	36.8	5.3	-	40.2	70.6	106	370.8	18.7	168	21.1	21.5	22.0
1966	38.7	25.4	30.4	37.2	20.8	20.7	22.7	9.2	14.6	24.1	63.8	86.3	114	393.9	21.2	348	33.7	35.6	37.3
1967	51.2	4.0	36.2	74.6	90.6	69.1	72.4	4.9	31.5	27.0	15.4	65.3	87	542.2	42.8	142	56.0	68.5	68.6
1968	52.4	29.2	28.6	25.0	56.7	125.3	0.3	38.4	9.4	18.7	63.3	38.2	108	485.5	29.1	156	56.8	56.8	56.8
1969	46.6	50.0	70.6	46.5	6.2	46.3	7.2	25.3	20.6	-	2.7	145.4	114	467.4	31.2	336	38.2	43.6	45.7
1970	34.6	41.0	26.5	16.2	57.9	6.8	92.2	3.4	18.0	61.0	8.9	25.4	102	391.9	36.0	199	36.0	36.0	36.0
1971	71.9	27.9	73.0	14.3	55.1	35.7	50.0	2.9	87.0	13.5	10.4	32.7	108	474.4	38.0	1	47.5	49.7	75.7
1972	41.8	41.7	29.7	47.3	31.0	44.9	44.0	36.2	87.2	90.7	28.3	2.4	125	525.2	35.2	156	35.8	38.1	38.7
1973	37.6	35.8	76.2	51.0	57.0	22.7	71.8	67.1	-	-	-	-	85	439.2	20.7	133	33.2	35.5	42.5
1974	35.9	79.9	29.9	55.4	91.5	44.6	5.7	29.8	70.6	32.1	43.2	36.3	120	554.9	49.0	251	49.0	49.0	52.0
1975	17.4	9.3	51.1	22.5	73.8	98.8	8.3	33.1	18.0	78.6	28.4	11.1	110	450.4	33.6	177	38.6	41.6	42.3
1976	56.1	28.7	4.2	44.3	124.8	79.4	64.3	64.2	22.2	110.7	-	-	97	598.9	74.2	292	98.0	98.8	99.4
1977	24.9	42.4	13.1	20.5	24.4	29.3	10.4	42.4	11.9	13.7	49.4	18.2	86	300.6	31.8	219	32.2	33.4	33.4
1978	19.7	26.2	57.6	52.1	62.3	3.8	5.8	18.4	76.5	20.5	21.2	72.7	96	436.8	24.8	79	31.2	34.5	40.9
1979	31.2	32.2	9.8	59.2	107.5	12.7	14.0	56.1	29.6	29.0	164.5	26.2	106	572.0	125.2	323	130.8	137.1	138.3
1980	57.6	20.7	22.3	18.9	106.6	25.3	12.7	12.2	30.2	93.6	31.3	62.7	113	494.1	22.5	295	36.9	43.0	46.4
1981	24.0	18.5	17.4	65.4	11.8	51.4	76.4	52.5	91.3	95.3	108.3	58.3	109	670.6	73.6	320	81.3	86.1	86.1
1982	4.7	37.5	44.3	51.3	35.5	4.9	48.4	41.4	17.3	48.8	55.4	35.8	95	425.3	26.2	135	38.0	49.3	49.6
1983	1.4	17.6	22.5	43.2	47.8	124.1	57.7	28.4	38.9	24.3	69.5	102.3	106	577.7	30.7	144	52.8	62.9	68.9
1984	31.4	89.9	46.8	37.0	39.1	29.1	24.2	44.7	28.8	7.4	37.6	36.7	110	452.7	45.6	41	53.0	56.0	56.7
1985	78.7	31.1	28.4	22.7	46.4	45.6	13.4	11.0	12.2	16.0	143.8	10.9	92	460.2	30.5	324	48.2	52.3	57.7
1986	82.4	-	34.6	20.8	42.1	60.4	51.2	6.4	12.1	35.0	21.7	23.2	94	389.9	23.4	17	24.0	25.7	26.8
1987	47.8	32.6	85.9	43.7	47.2	33.3	0.5	26.5	19.7	41.1	63.4	39.1	93	480.8	28.7	82	48.5	52.5	53.5
1988	10.8	34.3	37.0	20.4	32.1	49.3	14.0	-	11.7	29.8	86.5	46.4	93	372.3	25.8	138	28.1	31.1	33.5
1989	2.7	5.7	21.3	48.6	177.8	74.1	30.2	39.4	11.7	42.0	31.7	39.2	91	524.4	109.2	137	110.4	116.2	118.0
1990	2.2	15.9	12.0	69.3	24.1	18.7	23.5	17.1	11.9	9.6	12.8	158.2	97	375.3	29.8	341	38.1	38.8	44.5
1991	26.3	85.6	31.7	75.6	46.8	9.7	150.0	3.2	40.5	48.0	43.9	5.9	109	567.2	77.2	197	77.2	77.2	90.0
1992	13.5	6.7	18.4	161.9	35.2	110.3	42.4	2.4	15.7	35.4	62.9	74.3	88	579.1	50.0	346	77.3	80.3	81.1
1993	55.8	26.8	63.8	13.6	22.8	12.7	19.7	21.9	18.8	37.6	63.2	31.3	82	388.0	32.0	277	44.6	54.7	54.7
1994	57.3	32.6	1.4	42.7	40.6	24.3	50.2	17.3	11.7	31.6	8.4	69.8	98	387.9	35.0	127	49.9	59.4	59.7
1995	70.8	20.1	60.4	44.7	70.4	48.7	74.4	49.8	85.0	0.3	42.9	137.6	115	705.1	34.7	336	46.9	52.2	70.1
1996	63.0	61.0	36.4	38.2	51.4	21.4	7.7	18.6	134.5	12.9	34.2	56.9	121	536.2	32.5	150	37.1	37.4	37.4
AVERAGE	37.9	33.7	39.8	44.5	56.9	44.2	36.7	26.6	35.3	42.1	53.6	53.8							
STD DEV	24.3	22.6	25.6	26.9	35.4	32.2	32.2	18.2	33.6	32.9	43.2	38.9							

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LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

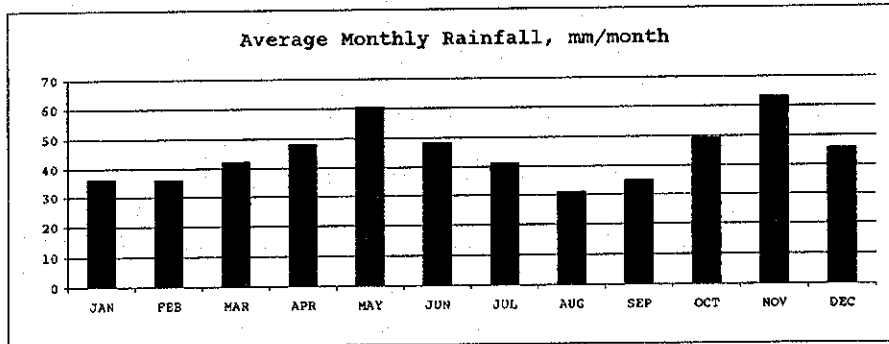
Crna Reka  
133  
41° 20'  
523.2

GAUGING STATION  
ELEVATION  
LONGITUDE

RST028\_Prilep  
673  
21° 34'

Year	Total Monthly Rainfall												N_Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC							
1961	19.6	17.1	30.9	30.9	90.6	13.7	66.4	4.3	5.8	33.6	82.8	39.7	92	435.4	35.2	140	42.5	43.0	43.4
1962	16.8	54.6	105.7	35.9	10.9	63.3	10.4	11.9	24.0	82.6	226.3	70.3	123	712.7	76.7	320	95.0	95.0	95.0
1963	107.4	104.9	72.9	50.7	88.0	50.8	46.3	42.1	40.1	52.1	33.2	52.0	143	740.5	39.4	34	51.8	55.2	61.8
1964	15.5	14.8	75.1	49.8	99.4	102.7	26.1	38.6	55.9	76.7	112.5	31.2	129	698.3	53.2	284	61.8	70.1	73.7
1965	34.5	59.2	22.9	42.6	86.6	23.7	2.7	61.2	14.4	-	53.2	88.9	110	489.9	35.2	230	41.5	43.3	49.5
1966	80.9	22.7	27.0	30.4	57.4	82.3	9.2	11.2	26.7	56.6	74.9	88.3	133	567.6	32.2	121	43.1	43.1	47.5
1967	36.5	3.9	55.5	34.7	41.4	29.9	89.5	38.8	33.2	25.6	30.0	48.7	113	467.7	51.5	74	54.5	54.6	54.6
1968	61.3	47.9	13.6	31.5	46.7	135.2	-	45.2	15.1	4.0	51.8	68.5	122	520.8	22.8	177	43.7	43.7	43.8
1969	45.1	74.4	88.8	70.9	7.7	21.8	8.7	30.3	20.8	2.1	13.2	104.3	129	488.1	46.0	108	48.4	58.4	60.8
1970	49.9	54.3	51.6	37.7	108.0	33.4	50.5	4.7	3.2	62.2	27.0	25.6	118	508.1	24.0	121	28.4	31.6	33.8
1971	46.3	30.0	64.0	23.0	81.1	47.3	38.9	13.9	97.6	18.2	32.0	15.0	117	507.3	30.6	244	35.8	53.4	57.8
1972	45.8	45.6	16.3	70.1	36.0	19.2	84.8	57.3	80.4	134.6	24.7	4.1	128	618.9	36.9	289	36.9	38.1	38.7
1973	44.1	28.8	41.5	96.3	36.2	28.0	34.5	115.8	-	-	-	-	87	425.2	44.6	239	68.2	71.2	75.9
1974	35.2	123.5	47.0	56.1	80.7	36.2	1.0	30.0	38.9	54.1	56.0	29.6	131	588.3	36.9	47	46.8	48.2	54.3
1975	14.6	11.5	47.2	33.9	68.4	114.5	26.1	23.3	8.1	106.0	51.4	19.0	102	524.0	56.4	179	60.0	60.6	60.6
1976	34.7	21.3	7.0	52.6	71.6	107.1	89.5	56.5	14.3	50.1	-	-	117	504.7	50.9	159	67.7	68.5	68.5
1977	16.2	43.2	25.0	25.0	46.8	60.6	9.9	39.1	52.8	28.0	53.5	13.8	96	413.9	29.5	268	30.9	39.6	41.0
1978	37.1	27.9	63.1	108.0	71.7	18.9	1.4	18.8	91.9	54.0	18.9	62.6	125	574.3	28.6	95	46.5	47.3	57.4
1979	70.7	31.9	20.2	75.3	105.9	29.5	17.7	44.3	33.8	54.8	203.1	30.9	132	717.5	120.2	323	128.7	148.4	156.9
1980	69.5	12.9	43.9	24.1	118.2	73.0	43.1	12.9	54.8	109.9	32.0	58.1	120	652.4	40.8	172	42.0	52.9	61.3
1981	32.8	23.9	84.4	59.9	61.2	37.2	112.9	64.2	38.4	119.8	81.0	66.7	126	782.4	88.8	297	98.4	99.0	103.6
1982	11.7	23.0	42.4	66.2	27.8	35.1	28.0	35.4	56.9	37.1	66.0	45.9	101	475.5	34.0	321	52.9	56.1	58.0
1983	3.3	30.8	14.4	30.0	53.0	154.2	123.0	24.2	38.2	28.3	85.8	29.2	107	614.4	40.2	305	42.8	54.7	64.3
1984	35.8	60.9	28.2	40.4	24.3	27.5	16.7	89.5	42.2	14.0	57.5	33.2	120	470.2	28.3	325	33.1	40.4	45.2
1985	86.9	22.4	60.7	35.5	85.7	11.2	0.5	3.0	17.0	13.6	174.7	7.0	101	518.2	55.0	9	58.0	68.7	76.7
1986	49.7	-	57.0	20.6	89.6	67.1	105.7	5.5	5.4	28.3	13.0	13.3	109	455.2	37.2	199	41.6	47.9	50.6
1987	43.7	25.9	59.2	40.5	54.6	22.8	13.5	5.0	5.4	53.3	58.8	37.1	111	419.8	29.9	82	37.8	39.1	40.1
1988	10.1	24.3	31.0	24.1	12.4	17.6	4.1	9.4	22.6	40.1	69.3	30.2	94	295.2	17.8	283	17.8	22.6	27.6
1989	0.1	16.0	29.1	43.5	61.9	79.9	43.7	18.5	22.6	59.2	24.4	29.9	92	428.8	34.8	177	38.4	38.4	38.6
1990	2.5	11.6	3.8	61.1	69.2	10.5	8.6	25.9	17.7	31.1	27.8	97.8	103	367.6	19.3	101	31.0	31.5	38.0
1991	9.8	66.3	30.8	78.2	47.9	26.0	31.0	12.0	41.8	30.2	68.2	10.9	115	453.1	31.3	268	34.5	35.7	40.3
1992	5.7	2.6	9.8	84.6	41.1	66.4	38.4	1.2	9.1	51.0	59.9	44.4	91	414.2	33.0	169	34.7	60.8	63.7
1993	7.0	8.9	32.1	14.5	40.2	27.8	17.1	14.9	4.1	72.4	66.7	37.8	103	342.5	55.8	277	59.5	59.5	59.7
1994	45.5	32.7	3.0	71.2	8.3	20.6	33.9	21.1	13.3	34.8	14.7	50.1	99	349.2	28.0	113	43.0	48.2	49.2
1995	38.4	23.7	55.4	35.7	85.0	18.6	158.5	25.9	93.4	0.2	37.3	112.2	138	684.3	77.9	212	79.7	80.1	81.2
1996	34.6	55.9	56.5	35.3	57.3	18.0	44.3	56.3	79.0	49.3	64.0	57.2	145	607.7	24.9	243	32.1	36.8	41.6
AVERAGE	36.1	36.0	42.1	47.8	60.4	48.1	41.0	30.9	34.8	49.1	63.1	45.7							
STD DEV	25.5	26.9	25.2	22.6	29.5	36.9	39.6	25.5	27.3	32.8	50.0	28.5							

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LOCATION Vardar  
 STATION ID 42  
 REGISTRY NUMBER  
 LATITUDE 41° 44'  
 AVERAGE ANNUAL TOTAL 533.8

GAUGING STATION  
 ELEVATION  
 LONGITUDE 21° 35'

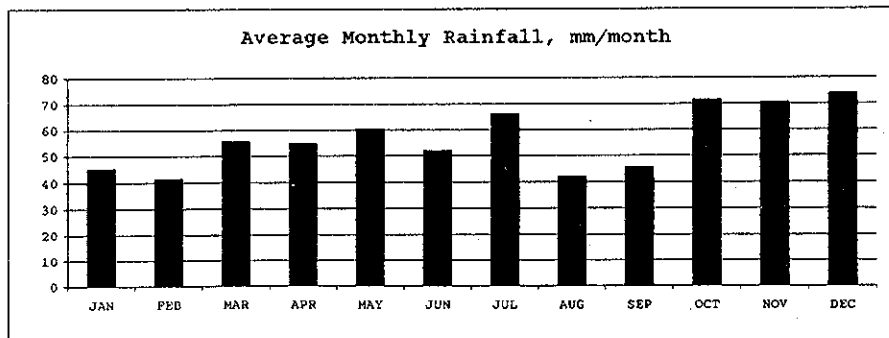
RST029\_Drenovo - Tv  
 660

Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N Wet	Av Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day	
1961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1962	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1963	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1964	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1965	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1966	124.1	85.2	60.5	70.2	52.1	76.6	25.5	7.3	33.6	72.2	140.0	116.7	53	864.0	63.2	155	63.2	63.2	74.0	
1967	28.4	6.3	65.7	137.4	124.0	52.6	93.6	-	36.3	28.5	41.9	103.2	34	717.9	65.3	105	79.4	93.6	110.8	
1968	65.2	49.5	28.1	35.6	140.2	163.8	-	57.7	-	38.1	117.8	83.8	52	779.8	55.1	178	90.5	90.5	90.5	
1969	-	150.4	172.4	61.6	34.3	41.2	63.0	11.3	47.0	-	45.3	221.5	43	828.0	52.3	354	77.5	77.5	81.5	
1970	83.0	-	75.6	28.4	58.4	77.2	44.0	-	-	153.0	31.6	110.3	33	661.5	65.0	365	87.0	87.0	87.0	
1971	39.0	50.9	140.7	4.8	76.0	38.0	88.0	9.0	130.3	32.0	63.0	-	37	671.7	50.2	89	92.5	110.6	110.6	
1972	48.3	58.2	64.1	148.7	53.0	56.0	109.6	92.6	139.0	120.0	31.0	0.0	59	920.5	60.0	197	68.6	96.0	96.0	
1973	-	40.0	-	76.0	26.4	-	99.8	125.0	-	-	-	-	18	367.2	53.0	240	53.0	76.0	76.0	
1974	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1975	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1976	-	-	37.2	88.9	152.8	134.8	143.3	26.0	-	52.4	-	-	30	635.4	51.3	190	85.5	85.5	85.5	
1977	57.8	55.4	27.4	33.3	70.9	60.0	18.3	70.0	-	23.0	30.0	-	26	446.1	36.3	27	48.4	48.4	48.4	
1978	57.6	23.0	49.0	38.2	33.2	25.0	14.0	21.0	136.7	97.0	3.8	7.9	43	506.4	54.0	301	84.0	84.0	84.0	
1979	67.0	13.4	26.0	41.5	59.4	-	7.0	57.0	16.4	67.0	221.0	-	32	575.7	98.0	323	161.0	178.0	204.0	
1980	21.0	-	63.0	30.0	19.9	3.2	-	2.7	3.7	190.0	23.0	73.0	32	429.5	43.0	295	66.0	81.0	81.0	
1981	-	9.0	115.0	86.0	39.0	45.0	84.0	51.0	89.0	188.0	62.0	142.0	32	910.0	87.0	297	87.0	89.0	89.0	
1982	-	15.0	20.2	100.0	68.3	-	50.2	74.6	22.0	73.0	54.0	46.5	45	523.8	36.0	276	58.0	58.0	62.6	
1983	2.0	7.2	6.1	20.0	49.0	96.6	115.0	104.0	57.6	-	-	69.3	36	526.8	43.0	175	61.0	62.1	69.3	
1984	29.5	-	55.0	68.0	67.0	20.5	-	23.0	14.4	22.0	65.0	21.0	30	385.4	43.0	325	43.0	43.0	43.0	
1985	24.0	65.0	56.0	33.0	115.0	-	-	18.0	29.3	292.2	31.0	-	29	663.5	48.0	49	76.0	111.0	129.0	
1986	74.0	-	17.0	3.6	35.5	21.2	16.7	3.1	-	86.0	18.5	25.9	40	301.5	43.0	25	55.0	55.0	66.0	
1987	32.1	11.7	43.6	16.1	84.0	4.3	-	2.3	35.0	50.0	62.2	30.0	43	371.3	27.0	282	37.0	37.0	41.7	
1988	16.8	42.7	23.1	43.3	16.4	49.0	40.0	-	12.0	43.0	48.0	23.0	58	357.3	28.0	209	35.3	36.6	36.6	
1989	0.8	14.0	46.3	83.0	19.7	9.3	78.0	35.1	12.0	87.1	43.0	10.0	43	438.3	36.7	282	54.9	65.0	65.6	
1990	-	-	-	33.0	17.5	-	-	-	1.5	-	-	-	14	52.0	11.0	109	20.0	21.3	22.3	
1991	5.6	-	-	-	-	-	-	8.0	46.0	43.0	87.0	-	12	189.6	40.0	268	46.0	46.0	46.0	
1992	8.0	-	3.4	18.6	75.0	51.0	38.0	-	74.0	80.0	75.0	-	30	423.0	45.0	324	70.0	70.0	70.0	
1993	-	12.0	13.4	15.0	66.0	-	-	-	14.0	68.4	66.0	59.0	18	313.8	58.0	277	58.0	58.0	58.0	
1994	71.0	18.7	-	104.0	40.0	-	111.0	22.0	-	8.2	38.0	100.0	28	512.9	59.0	113	59.0	82.0	100.0	
1995	93.0	-	85.0	62.0	53.0	55.0	105.0	76.0	-	-	27.0	204.2	43	760.2	51.0	336	74.0	100.0	128.0	
1996	-	96.8	95.4	49.0	58.0	8.3	40.0	-	-	-	-	-	23	347.5	35.0	44	60.0	60.0	60.0	
AVERAGE	45.2	41.2	55.6	54.6	60.1	51.8	65.9	41.8	45.5	71.5	70.5	74.0								
STD DEV	33.2	37.2	41.5	37.7	36.6	41.3	40.1	37.0	45.1	50.1	65.8	61.1								

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LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

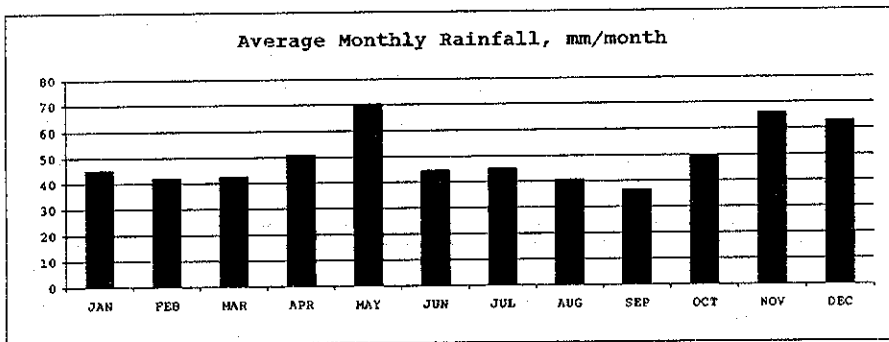
Crna Reka  
135  
41° 07'  
567.6

GAUGING STATION  
ELEVATION  
LONGITUDE

RST030\_Makovo  
690  
21° 37'

Total Monthly Rainfall												Units: mm							
Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	25.9	28.7	19.0	19.0	79.5	37.5	42.1	14.2	5.2	19.1	105.8	49.8	83	445.8	38.3	310	71.1	72.0	72.0
1962	40.0	64.4	101.7	39.7	19.2	63.7	14.3	27.9	31.4	90.8	194.2	66.4	113	753.7	62.5	320	78.0	78.0	78.0
1963	88.1	87.6	73.4	46.9	99.4	72.9	66.1	21.9	45.5	64.9	41.6	82.4	111	790.7	35.3	13	44.4	45.9	54.3
1964	15.8	14.3	68.9	53.7	119.5	62.9	27.5	42.7	56.4	44.1	122.8	51.9	121	680.5	55.3	316	88.5	97.8	102.2
1965	27.0	66.7	34.8	33.9	92.1	19.0	29.4	27.7	6.1	1.2	68.5	111.3	93	517.7	36.3	333	39.0	39.0	49.0
1966	103.6	29.5	39.7	36.7	57.1	83.4	30.8	29.2	43.9	49.6	76.0	108.3	103	687.8	37.6	155	65.2	65.2	67.8
1967	53.6	6.4	46.6	44.4	76.2	43.8	77.9	33.7	50.7	27.7	42.4	116.5	90	619.9	40.0	351	42.8	48.1	51.7
1968	76.1	44.9	18.0	25.8	78.9	111.3	-	46.9	44.9	5.0	53.0	75.7	109	580.5	25.0	168	41.3	41.8	59.4
1969	72.8	67.4	82.9	49.2	44.3	10.8	25.7	47.5	34.5	0.9	2.9	114.8	109	553.7	35.2	336	43.5	44.7	44.7
1970	62.8	79.3	31.1	44.9	94.0	28.4	111.5	28.5	15.1	71.1	12.7	34.9	116	614.3	33.0	186	41.0	46.0	77.0
1971	55.9	38.9	55.6	20.0	85.4	30.5	33.3	42.3	64.0	18.1	29.9	29.9	104	503.8	29.9	1	39.3	52.8	57.0
1972	45.1	43.3	20.4	75.7	49.7	8.5	104.9	60.6	60.6	130.3	23.1	4.0	112	626.2	50.8	289	53.0	57.1	57.6
1973	37.1	54.2	47.5	64.0	19.8	44.5	53.4	63.8	-	-	-	-	78	384.3	24.2	106	30.2	36.1	43.7
1974	53.1	104.0	44.0	48.1	64.9	57.8	1.7	60.6	31.3	30.7	57.7	-	98	553.9	25.8	47	36.3	36.3	37.2
1975	22.2	15.6	39.3	36.5	72.3	70.2	92.2	20.6	18.2	80.1	51.8	25.5	101	544.5	36.2	180	36.2	38.0	41.0
1976	18.6	23.4	17.7	48.4	157.7	72.7	51.6	58.7	11.2	38.7	-	-	104	498.7	43.1	133	58.3	63.7	63.9
1977	16.4	49.4	28.9	30.1	46.9	79.4	11.9	63.3	57.8	15.5	35.4	14.6	93	449.6	32.1	219	54.3	54.3	54.3
1978	41.0	34.0	47.6	87.2	100.7	2.5	19.0	17.0	102.7	61.2	13.1	63.4	119	589.4	33.7	132	46.5	52.1	54.4
1979	70.4	23.1	17.2	80.9	141.0	29.9	7.6	49.4	34.7	74.0	196.5	37.5	120	762.2	115.1	323	117.7	162.2	164.8
1980	77.6	19.9	47.9	43.1	110.5	74.4	15.1	23.9	42.8	133.5	42.9	72.0	122	703.6	44.2	172	44.2	48.2	57.8
1981	94.8	46.0	56.3	51.3	40.2	31.5	59.8	84.8	23.2	139.8	76.0	79.6	117	783.3	72.5	297	85.6	85.6	104.3
1982	23.1	29.3	21.4	87.6	50.3	13.6	19.6	73.6	-	61.2	74.9	58.1	95	512.7	32.6	223	49.4	63.1	66.2
1983	9.8	47.0	17.3	21.3	48.6	127.4	64.3	23.1	90.0	45.8	83.3	82.4	109	660.3	32.1	305	51.0	59.1	64.8
1984	49.6	58.6	51.8	50.1	13.0	32.2	25.6	75.2	24.2	18.3	35.3	23.6	101	458.5	24.5	243	28.0	28.0	28.7
1985	64.3	22.4	57.6	38.4	77.8	17.0	2.3	21.6	13.3	13.2	147.7	15.8	96	491.4	43.4	9	44.4	63.5	75.2
1986	63.4	-	44.0	10.8	133.9	69.3	75.8	4.5	1.8	36.8	3.8	43.2	99	487.3	23.2	17	41.1	41.6	43.9
1987	55.1	19.6	91.2	59.4	42.9	16.3	6.1	8.2	12.3	76.9	72.5	27.0	99	487.5	29.4	92	44.2	50.6	51.6
1988	23.8	28.2	57.1	33.8	14.8	45.2	5.8	3.6	39.6	21.4	112.9	92.8	90	479.0	34.8	352	56.1	62.9	62.9
1989	-	28.5	30.9	54.2	115.7	46.3	142.0	66.3	39.6	62.9	39.8	39.7	92	665.9	45.1	237	50.8	70.6	71.2
1990	0.1	27.4	4.5	61.0	59.2	54.1	53.3	34.1	19.6	26.3	47.1	169.1	89	555.8	42.8	338	63.4	66.8	67.8
1991	19.9	102.9	25.1	92.3	62.2	21.9	72.6	58.2	60.5	26.6	102.1	-	94	644.3	49.5	268	53.8	57.9	72.3
1992	5.4	12.3	40.1	138.6	40.8	40.4	56.6	21.5	34.5	95.2	64.1	47.1	75	596.6	40.7	102	57.3	63.5	65.1
1993	22.6	14.9	34.5	13.0	71.0	19.7	5.8	20.5	9.4	69.6	62.1	32.6	90	375.7	58.6	277	59.0	59.0	59.0
1994	42.6	37.6	6.3	97.7	7.8	19.0	35.4	41.4	11.5	28.3	27.7	-	79	355.3	28.0	114	53.0	59.6	61.5
1995	59.0	20.5	60.1	36.5	83.4	21.5	112.7	95.9	64.3	0.8	53.1	110.4	109	718.2	35.0	213	69.2	72.2	83.4
1996	37.1	74.0	41.3	58.9	50.0	15.9	25.4	-	-	-	-	-	67	302.6	27.1	52	28.3	33.8	35.3
AVERAGE	45.0	41.8	42.3	50.9	70.0	44.3	45.1	40.4	36.4	49.4	65.8	62.7							
STD DEV	26.3	25.7	22.7	26.6	36.8	29.4	36.2	23.5	24.3	37.8	47.6	38.5							

O 30



LOCATION Crna Reka  
 STATION ID 139  
 REGISTRY NUMBER  
 LATITUDE 41° 15'  
 AVERAGE ANNUAL TOTAL 586.0

GAUGING STATION ELEVATION  
 LONGITUDE 21° 42'

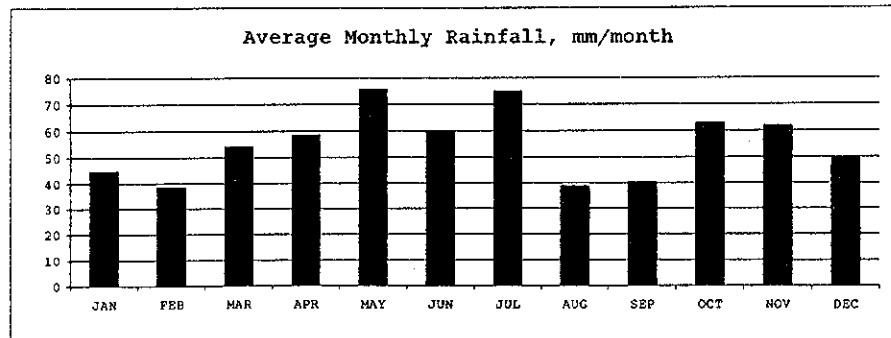
RST031\_Dunje  
 590

Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N_Wet	Av_Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day	
1961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1962	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1963	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1964	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1965	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1966	54.8	21.0	46.7	62.7	20.5	113.4	12.7	2.5	32.8	58.0	75.1	74.3	64	574.5	50.0	155	75.0	79.0	79.0	
1967	18.3	3.5	46.1	37.7	43.9	36.7	117.7	5.9	25.8	3.2	6.5	-	50	345.3	37.5	200	40.2	53.5	64.0	
1968	-	-	14.7	21.4	39.9	109.5	-	57.0	57.0	3.3	72.5	47.7	65	423.0	23.5	238	38.7	45.2	52.2	
1969	-	-	179.0	76.9	14.0	4.7	84.6	24.8	11.2	-	-	121.7	56	516.9	35.8	212	46.0	55.5	60.6	
1970	56.9	-	36.6	42.6	119.1	50.4	110.9	2.5	9.4	62.9	20.0	-	78	511.3	20.7	139	37.1	47.7	63.4	
1971	-	40.7	-	29.5	62.5	59.0	13.7	7.4	62.0	37.4	11.8	-	44	324.0	20.3	150	38.3	57.8	72.5	
1972	51.3	39.8	22.4	81.6	32.8	21.7	99.6	114.8	175.8	191.5	18.0	0.0	76	849.3	35.2	254	56.7	65.9	70.6	
1973	19.3	49.2	53.6	89.2	29.3	26.6	26.4	105.8	-	-	-	-	41	399.4	36.9	241	49.4	69.7	79.9	
1974	40.4	92.9	122.6	114.2	197.4	89.4	-	81.5	32.7	134.9	116.9	19.0	74	1041.9	35.8	168	54.0	74.4	79.6	
1975	35.6	-	103.6	53.3	225.6	77.3	129.9	-	5.3	149.9	32.3	38.6	53	851.4	42.2	286	60.2	78.1	83.2	
1976	34.0	31.0	14.5	54.2	79.8	68.7	62.0	68.3	18.7	60.7	-	-	64	491.9	50.0	191	50.0	51.5	53.6	
1977	14.6	37.0	22.5	14.1	37.4	54.0	29.5	66.2	3.8	15.9	38.4	5.9	32	335.3	55.5	219	55.5	55.5	55.5	
1978	-	30.8	56.4	144.1	83.8	3.5	1.5	2.4	72.5	13.7	15.3	54.3	43	478.3	44.5	95	69.6	74.8	79.0	
1979	155.2	29.6	7.5	96.0	124.6	26.6	22.9	99.2	63.4	69.0	149.7	22.8	66	866.5	85.2	323	85.2	96.0	138.9	
1980	46.1	15.0	58.8	18.6	130.8	90.0	0.3	9.3	50.6	148.2	51.9	91.3	65	710.9	45.2	285	45.2	75.7	82.8	
1981	34.5	18.6	80.5	52.1	56.8	48.4	48.6	74.1	21.9	143.7	75.9	110.4	63	765.5	65.5	297	73.8	73.6	101.9	
1982	19.3	32.4	49.9	95.8	72.2	-	49.7	64.8	45.2	51.5	68.1	92.8	61	641.7	36.5	223	43.6	54.1	64.1	
1983	6.3	37.5	5.5	31.8	51.6	217.8	210.4	9.2	107.4	30.3	98.4	54.2	63	850.4	64.5	244	86.2	116.3	141.8	
1984	99.2	102.6	103.2	60.0	31.0	16.2	5.2	83.0	21.7	-	86.5	17.7	61	626.3	64.3	325	68.0	68.0	68.0	
1985	81.5	35.3	63.5	47.9	131.1	32.4	-	19.6	24.5	20.5	185.0	1.2	52	642.5	47.2	331	47.2	54.3	73.5	
1986	62.7	-	64.3	3.5	232.8	73.4	101.8	30.1	-	40.1	23.7	20.5	44	652.9	84.5	145	84.5	84.5	84.5	
1987	73.4	71.2	81.9	63.2	36.2	14.6	15.3	11.6	19.0	65.5	123.6	28.4	55	603.9	39.6	113	55.7	55.7	68.4	
1988	24.0	25.5	52.2	53.1	-	58.1	9.7	0.9	34.4	32.5	113.4	43.5	46	447.3	32.5	78	32.5	40.9	40.9	
1989	-	19.2	48.3	45.7	101.4	218.7	533.4	17.8	34.4	61.4	32.1	25.6	54	1138.0	242.0	208	455.0	475.5	475.5	
1990	-	3.9	-	61.3	50.0	-	37.7	2.8	1.2	37.9	41.2	104.7	39	340.7	35.3	345	46.8	46.8	53.3	
1991	22.3	75.9	29.3	101.7	59.8	48.4	101.8	26.0	48.1	46.6	59.0	15.3	66	634.2	35.5	268	41.0	47.1	48.4	
1992	-	-	25.3	81.6	23.1	29.4	45.1	11.5	63.5	61.8	48.8	45.5	41	435.6	33.5	267	39.0	44.2	47.7	
1993	6.2	10.2	26.3	20.5	63.0	13.5	14.6	17.8	4.5	60.2	53.2	30.7	45	320.7	60.2	277	60.2	60.2	60.2	
1994	42.8	34.6	-	75.1	9.2	39.0	17.5	25.1	10.2	34.0	21.7	49.6	48	358.8	25.5	10	44.0	48.5	52.1	
1995	54.2	14.0	62.1	36.9	73.2	34.3	141.2	76.2	65.5	-	37.3	118.1	65	713.1	55.4	233	65.5	65.5	65.5	
1996	18.3	85.0	36.1	46.5	33.5	-	50.9	-	-	-	-	-	29	270.3	23.5	52	29.9	29.9	31.7	
AVERAGE	44.6	38.3	54.1	58.5	75.5	59.8	74.8	38.6	40.1	62.9	61.7	49.4								
STD DEV	33.5	27.2	38.3	31.8	59.4	53.6	103.8	36.3	37.0	49.7	44.9	37.6								

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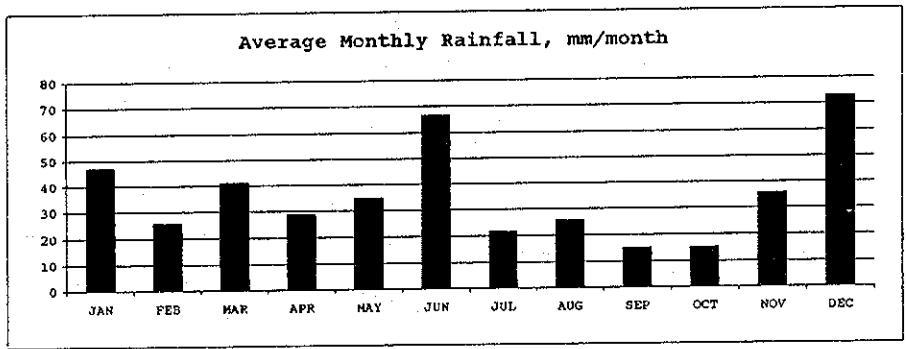
LOCATION Vardar  
 STATION ID 12  
 REGISTRY NUMBER  
 LATITUDE 41° 49'  
 AVERAGE ANNUAL TOTAL 194.0

GAUGING STATION  
 ELEVATION  
 LONGITUDE 21° 43'

RST032\_Vetersko  
 420

Total Monthly Rainfall													Units: mm							
Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N_Wet	Av_Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day	
1961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1962	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1963	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1964	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1965	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1966	77.6	28.3	72.6	30.6	16.2	66.3	10.3	36.3	57.3	31.2	92.8	-	45	519.5	40.1	67	58.3	58.3	58.3	
1967	-	10.2	37.1	57.2	89.2	65.8	81.1	22.1	10.2	13.1	13.2	-	29	399.2	48.3	192	59.3	64.4	72.7	
1968	58.4	32.7	10.9	21.1	79.1	154.6	-	41.2	10.2	23.2	68.6	61.1	58	561.1	35.2	136	53.4	60.3	60.3	
1969	51.0	56.0	97.6	33.3	8.0	37.6	16.1	17.2	7.2	-	2.3	144.9	62	471.2	27.2	336	34.2	36.6	36.6	
1970	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1971	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1972	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	1	7.4	7.4	158	7.4	7.4	7.4	
1973	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1974	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1975	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1976	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1977	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1978	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1979	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1981	-	-	-	-	-	-	-	36.5	-	-	-	-	1	36.5	36.5	243	36.5	36.5	36.5	-
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	1	14.4	14.4	142	14.4	14.4	14.4	14.4
1987	-	-	-	-	14.4	-	-	-	-	-	-	-	9	84.8	25.0	351	35.5	56.2	56.2	-
1988	-	-	-	-	-	-	-	-	-	-	-	84.8	-	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	5.0	-	-	-	1	5.0	5.0	247	5.0	5.0	5.0	5.0
1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	-	-	27.0	-	-	-	0.2	-	-	-	-	-	2	27.2	27.0	89	27.0	27.0	27.0	27.0
1993	-	-	-	-	-	-	-	-	-	8.0	-	-	1	8.0	8.0	300	8.0	8.0	8.0	8.0
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AVERAGE	46.8	25.4	40.9	28.4	34.5	66.3	21.5	25.6	15.0	15.1	35.4	72.7								
STD DEV	33.1	21.6	37.4	20.7	39.0	55.0	34.0	15.6	21.1	12.3	42.5	59.9								

O 32



LOCATION Vardar  
 STATION ID 53  
 REGISTRY NUMBER  
 LATITUDE 41° 31'  
 AVERAGE ANNUAL TOTAL 464.3

GAUGING STATION  
 ELEVATION  
 LONGITUDE 21° 45'

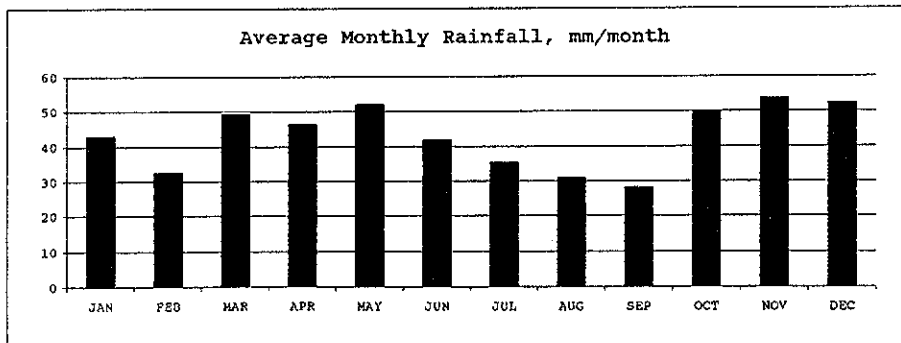
RST033\_Vladilovci  
 450

Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N_Wet	Av_Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	20.4	15.0	31.2	31.2	83.0	21.0	16.8	5.3	5.7	19.4	49.3	10.8	49	309.1	25.0	310	42.0	42.0	42.0
1962	53.8	69.3	74.2	29.5	6.2	22.1	3.7	7.4	9.8	22.2	203.5	102.9	68	604.6	100.2	320	107.2	107.2	107.2
1963	136.7	95.9	164.5	56.0	114.9	42.6	50.5	13.0	30.0	227.8	60.2	57.0	94	1049.1	50.5	185	85.2	120.9	155.9
1964	16.0	21.6	120.1	60.7	92.9	67.4	63.4	36.4	66.6	58.8	106.5	30.6	70	741.0	50.5	69	70.7	71.1	77.5
1965	48.3	46.5	23.5	87.6	61.8	21.2	37.7	81.9	5.3	-	29.7	68.6	69	512.1	40.2	104	50.6	64.6	71.6
1966	76.3	20.3	19.4	30.8	9.9	73.7	2.6	0.7	22.7	30.6	58.5	63.2	57	408.7	47.5	155	67.9	67.9	67.9
1967	28.0	2.0	23.0	40.0	57.0	24.9	108.2	61.0	16.3	32.4	14.6	80.1	53	487.5	40.6	193	77.0	87.8	87.8
1968	66.1	48.1	15.2	20.8	79.6	129.1	-	27.9	52.9	41.2	76.8	97.2	70	654.9	40.6	167	48.6	59.2	63.1
1969	66.0	54.0	116.5	70.5	10.5	30.7	6.8	46.9	20.0	-	5.3	123.8	51	551.0	50.6	65	60.8	81.6	81.6
1970	46.2	30.2	33.4	26.3	36.3	-	55.0	10.8	-	39.9	8.6	31.4	39	318.1	20.5	139	31.0	41.0	49.2
1971	51.9	24.3	-	16.9	60.9	50.4	18.7	14.3	68.3	21.0	28.4	50.0	37	405.1	50.4	172	50.9	50.9	50.9
1972	0.0	46.1	19.3	78.9	10.0	0.0	47.5	17.0	0.0	58.5	9.8	4.9	29	292.0	60.5	118	60.5	60.5	60.5
1973	54.9	22.0	80.3	60.3	-	23.1	28.0	130.6	-	-	-	-	31	399.2	34.0	237	55.0	66.0	76.6
1974	12.0	26.1	-	102.5	35.5	47.5	-	36.0	23.5	35.0	-	39.0	20	357.1	90.5	116	90.5	90.5	90.5
1975	40.1	2.5	23.5	14.0	62.5	23.0	10.6	12.2	13.0	107.6	62.4	17.0	38	388.4	46.0	324	46.0	55.0	55.0
1976	15.0	24.8	6.3	33.8	121.0	119.5	68.5	25.5	19.2	77.5	-	-	38	511.1	47.0	180	65.0	65.0	65.0
1977	22.3	39.0	-	-	79.0	56.0	8.0	12.6	13.0	43.0	15.4	2.0	24	290.3	32.0	149	40.0	40.0	40.0
1978	16.7	29.5	43.0	102.0	17.0	19.2	-	21.0	113.9	44.0	31.7	-	40	438.0	47.0	95	47.0	53.0	66.0
1979	43.8	26.9	27.9	58.1	70.2	20.3	14.0	58.0	78.1	61.7	72.1	-	42	531.1	39.2	250	66.2	66.2	66.2
1980	59.6	24.5	51.7	29.1	69.0	29.4	-	11.7	38.8	50.3	26.2	38.2	32	428.5	31.2	269	31.2	35.0	38.8
1981	38.0	22.2	68.0	62.0	2.8	12.0	12.0	42.0	20.5	53.1	49.9	-	28	382.5	56.0	79	56.0	56.0	56.0
1982	-	-	-	-	-	8.1	26.5	101.7	29.2	38.0	93.0	48.6	38	345.1	36.5	222	58.9	81.9	88.2
1983	27.2	54.5	19.5	35.0	58.9	199.9	69.9	12.5	45.4	32.0	65.3	89.1	75	709.2	64.0	164	69.0	82.0	100.8
1984	46.6	40.6	50.7	47.6	33.9	19.3	11.3	74.5	23.1	7.8	41.0	22.2	65	418.6	27.0	228	34.0	35.0	44.5
1985	74.9	31.2	56.0	27.0	65.8	8.5	2.6	14.2	11.0	26.0	104.2	20.8	58	444.2	35.0	9	36.8	37.6	41.0
1986	43.1	-	32.4	12.1	104.3	43.8	58.2	4.7	3.2	46.3	8.4	36.2	54	392.7	32.8	199	32.8	37.5	42.7
1987	68.5	35.2	99.9	13.1	45.7	44.2	-	14.0	19.0	65.0	81.0	41.8	64	527.4	31.0	82	53.0	57.0	57.0
1988	20.2	29.3	70.0	32.3	17.5	46.5	9.0	6.4	25.0	48.8	86.0	-	53	391.0	24.0	58	29.8	32.0	34.0
1989	-	30.0	31.0	43.0	40.0	69.8	142.0	39.0	25.0	50.0	20.9	46.0	53	536.7	50.0	186	53.0	85.0	85.0
1990	2.0	7.7	1.2	60.0	28.0	34.0	26.0	25.0	7.0	22.5	39.0	100.5	46	352.9	32.0	174	36.0	36.0	41.0
1991	16.0	76.0	39.0	111.0	42.5	7.1	46.0	17.0	28.0	42.0	54.0	15.5	61	494.1	45.0	47	55.0	55.0	55.0
1992	3.0	7.0	-	33.0	47.0	40.0	46.0	-	-	38.0	65.8	53.0	46	332.8	32.0	343	35.0	43.0	49.0
1993	7.2	19.0	61.0	29.0	40.0	11.8	5.0	5.0	3.0	69.0	68.9	50.0	45	368.9	56.0	277	56.0	56.0	56.0
1994	54.0	41.0	2.0	23.6	28.0	16.0	47.0	27.0	8.0	76.0	14.0	48.0	45	384.6	43.0	189	43.0	47.0	47.0
1995	90.4	12.0	39.0	42.7	68.0	67.0	-	35.0	54.0	8.0	63.0	124.0	64	603.1	40.0	364	60.0	60.0	66.0
1996	93.5	31.2	81.3	48.7	70.0	13.0	18.0	-	-	-	-	-	43	355.7	40.0	2	70.0	70.0	70.0
AVERAGE	42.9	32.5	49.2	46.2	52.0	41.8	35.3	30.8	28.1	49.9	53.5	52.2							
STD DEV	30.4	20.5	37.9	26.4	31.1	40.1	32.7	29.8	25.5	38.7	40.0	34.0							

033



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Crna Reka  
150  
41° 25'  
527.8

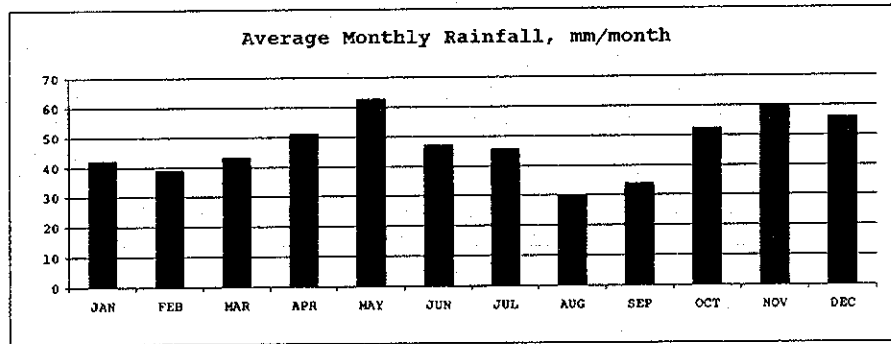
GAUGING STATION  
ELEVATION  
LONGITUDE

RST034\_Drenovo - Kav  
340  
21° 54'

Total Monthly Rainfall

Year	Units: mm												N.Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC							
1961	32.6	20.4	46.4	46.4	54.8	59.1	41.5	2.1	3.0	18.9	70.5	45.7	64	441.4	32.8	190	54.3	55.6	55.6
1962	43.5	75.1	99.4	52.7	19.1	77.3	22.8	12.7	19.0	49.3	215.4	204.6	90	890.9	69.2	305	80.0	80.0	88.2
1963	103.9	89.2	66.4	44.9	83.5	44.2	6.1	9.1	55.5	111.1	42.4	55.8	101	712.1	40.0	284	44.3	44.3	44.3
1964	18.9	5.9	61.1	71.2	81.7	49.1	55.7	34.7	98.0	38.7	82.2	33.3	78	630.5	50.6	117	65.3	65.3	65.3
1965	54.8	59.4	36.7	49.4	84.8	36.6	-	73.3	12.2	-	40.6	80.6	81	528.4	33.0	231	51.5	54.2	56.2
1966	116.9	20.2	35.9	32.1	50.1	75.2	10.5	12.5	36.0	41.2	74.7	124.2	87	629.5	47.2	342	59.8	65.0	66.8
1967	31.7	4.1	60.4	50.5	78.0	39.2	142.0	14.0	24.0	23.0	24.0	72.5	69	563.4	92.0	192	114.0	126.0	126.0
1968	60.1	35.0	13.0	26.0	69.0	77.0	-	43.0	17.0	32.0	63.5	59.2	74	494.8	45.0	137	55.0	55.0	57.0
1969	87.6	52.3	83.9	56.3	9.6	11.5	15.3	13.4	2.6	2.1	-	81.1	72	415.7	40.2	108	40.2	48.5	48.5
1970	34.1	53.1	32.5	28.7	90.0	43.3	65.0	3.5	3.3	110.5	13.9	28.3	85	506.2	28.2	163	49.5	55.2	59.2
1971	55.3	43.3	69.0	23.1	122.1	61.6	132.9	22.2	73.1	30.9	19.8	54.2	88	707.5	79.0	212	81.8	94.8	103.5
1972	33.4	30.3	16.7	24.6	25.1	23.5	63.4	25.6	108.5	120.6	34.3	0.6	89	506.6	36.2	289	36.2	41.7	43.3
1973	48.5	48.0	68.3	65.1	47.6	44.3	60.2	75.0	-	-	-	-	59	457.0	41.4	183	43.9	44.1	46.6
1974	48.0	101.7	21.8	48.3	70.1	74.5	10.9	13.4	32.3	25.2	53.0	76.0	82	575.2	43.8	47	48.5	56.2	56.2
1975	44.1	37.7	33.3	15.3	96.1	66.1	29.5	20.7	13.5	92.9	62.6	13.9	78	525.7	41.1	324	43.5	43.5	53.7
1976	32.0	31.4	13.9	42.9	188.4	46.9	79.7	48.6	10.5	114.2	-	-	76	608.5	72.4	292	89.7	93.2	93.2
1977	14.6	22.4	20.7	18.1	42.5	48.0	59.0	48.4	18.1	18.0	30.4	18.2	63	358.4	34.2	188	34.2	34.6	35.4
1978	23.5	47.6	56.5	95.1	69.7	3.8	-	14.7	108.9	96.2	30.5	62.0	80	608.5	37.5	252	58.4	65.9	67.2
1979	49.2	28.7	12.3	85.1	94.2	23.5	34.4	84.2	35.7	46.9	157.2	15.8	107	667.2	77.6	323	82.3	117.7	122.4
1980	60.8	22.9	44.2	30.1	130.0	61.3	40.8	39.8	81.1	121.7	33.6	75.5	107	741.8	72.4	270	76.3	76.3	80.8
1981	51.3	51.9	78.5	37.9	18.1	55.2	78.5	44.2	34.0	96.4	74.0	86.9	94	706.9	59.3	79	60.4	60.4	68.5
1982	19.0	26.1	66.1	165.2	47.1	15.1	28.7	73.2	12.4	38.9	69.2	-	77	561.0	61.0	107	86.5	86.5	87.8
1983	4.2	44.8	16.2	24.3	52.4	158.4	56.9	17.2	58.4	32.9	77.1	62.5	84	605.3	36.0	336	48.0	61.6	66.0
1984	29.8	31.1	50.0	47.0	26.0	13.9	10.5	52.8	24.7	5.3	35.6	21.3	75	348.0	18.0	325	21.5	21.5	26.0
1985	52.0	48.0	56.9	34.9	58.6	9.6	3.9	13.3	12.5	29.4	89.5	18.3	62	426.9	30.6	9	38.0	38.0	38.0
1986	39.1	-	53.5	26.7	93.3	55.3	66.6	10.7	4.0	43.7	21.0	26.3	70	440.2	36.3	199	36.3	37.6	37.6
1987	96.2	40.7	69.1	69.1	38.4	33.6	12.0	23.0	61.0	25.6	84.5	20.0	61	573.2	39.4	92	61.0	61.0	61.0
1988	20.5	31.0	38.8	44.0	17.2	51.6	5.5	4.0	11.5	60.9	112.5	77.9	62	475.4	37.0	352	47.0	48.0	49.0
1989	-	31.3	31.5	81.2	75.0	81.0	40.5	25.8	11.5	42.8	41.4	44.7	61	506.7	30.0	105	40.9	40.9	54.0
1990	2.4	16.0	7.0	-	54.7	28.0	48.0	40.0	5.2	32.4	29.3	103.4	48	366.4	29.0	195	34.0	46.0	53.0
1991	16.0	64.0	33.0	65.1	43.5	27.0	33.0	20.0	42.9	63.0	60.0	9.5	63	477.0	30.9	268	41.0	60.0	60.0
1992	1.0	10.0	25.0	98.6	51.0	98.0	37.0	-	-	35.5	65.0	42.0	43	463.1	60.0	168	65.0	71.0	71.0
1993	28.0	14.6	-	24.0	29.0	23.0	-	11.5	5.0	38.0	56.0	33.0	40	262.1	32.0	277	32.0	32.0	32.0
1994	34.0	45.0	3.0	74.0	30.0	15.6	25.0	13.3	14.0	31.0	13.0	40.9	51	338.8	29.0	112	45.0	48.0	48.0
1995	65.0	9.0	46.1	39.4	66.0	44.0	119.0	37.0	60.0	-	40.3	102.0	68	627.8	40.0	364	50.0	60.0	60.0
1996	19.0	68.0	39.0	45.0	48.0	12.0	21.0	-	-	-	-	-	33	252.0	19.0	95	26.0	26.0	26.0
AVERAGE	42.0	38.9	43.0	50.9	62.6	46.9	45.5	29.3	33.6	52.2	59.9	55.9							
STD DEV	27.5	22.7	23.8	29.5	36.2	30.4	35.7	22.4	31.5	35.5	41.8	41.0							

034



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Bregalnica  
234  
41° 52'  
412.4

GAUGING STATION  
ELEVATION  
LONGITUDE

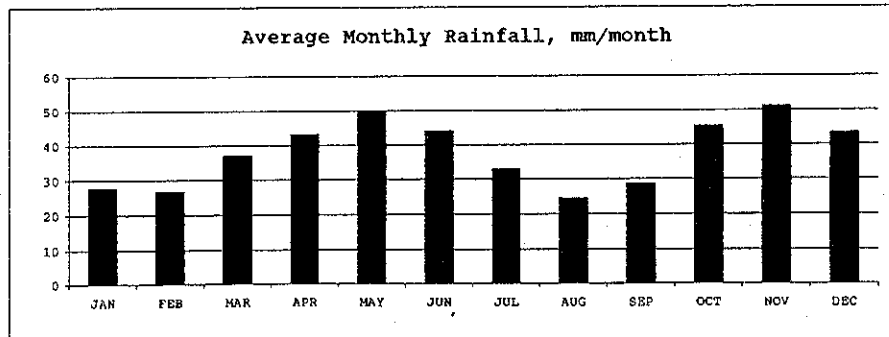
RST035\_Sveti Nikole  
270  
22° 57'

Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N.Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	39.0	14.0	25.0	25.0	80.3	26.7	18.7	1.0	3.0	31.7	63.3	27.2	44	354.9	25.0	294	29.5	29.5	29.5
1962	12.1	20.8	75.7	54.3	15.1	96.0	11.8	8.3	10.0	78.3	166.5	106.6	81	655.5	59.0	320	66.0	66.0	66.0
1963	57.7	66.4	64.3	49.7	78.1	22.5	33.0	19.0	9.0	68.7	40.0	31.2	71	539.6	33.0	203	33.0	40.0	40.0
1964	11.9	11.5	55.7	44.1	56.0	33.5	33.3	26.5	62.7	67.6	47.1	18.9	61	468.8	32.5	117	41.0	48.7	48.7
1965	45.0	30.3	6.4	30.6	58.3	51.5	18.3	19.0	1.5	-	24.5	67.0	71	352.4	24.2	156	24.2	28.5	29.5
1966	31.4	22.0	20.2	25.1	22.2	47.6	12.0	26.9	9.7	53.5	51.8	56.2	77	378.6	20.0	295	26.7	27.5	28.1
1967	-	1.5	-	34.8	47.5	40.0	97.7	42.7	26.9	8.4	13.5	-	45	313.0	50.8	192	59.3	66.7	75.2
1968	-	35.8	14.1	19.2	90.5	116.5	-	41.6	-	20.1	55.2	63.6	67	458.6	36.4	136	49.4	58.0	58.0
1969	-	55.1	88.4	36.4	3.2	29.7	39.4	14.6	16.3	-	6.4	108.5	71	398.0	28.0	335	30.0	30.4	35.5
1970	37.7	14.6	19.1	10.5	104.3	13.6	55.1	8.4	8.7	61.2	11.4	58.3	62	402.9	32.2	141	42.2	42.2	51.8
1971	-	24.0	71.9	12.5	36.3	36.9	48.7	10.8	42.6	7.1	15.8	12.6	61	319.2	20.0	87	30.2	33.4	41.6
1972	40.8	40.9	15.0	87.8	37.9	68.3	36.1	43.0	65.1	135.3	21.4	0.0	77	591.6	45.2	112	62.2	66.8	69.5
1973	33.5	32.9	72.7	49.9	40.5	9.7	43.2	83.8	-	-	-	-	47	366.2	31.4	240	47.0	47.0	55.8
1974	23.1	103.0	33.0	30.8	101.5	61.6	5.5	3.8	40.1	47.6	31.5	31.7	68	513.2	48.5	47	50.0	50.5	50.5
1975	-	-	42.1	8.4	103.0	105.2	-	25.5	15.8	77.4	46.5	10.4	55	434.3	42.5	324	45.0	70.0	79.5
1976	14.7	19.7	5.5	30.9	87.0	62.1	97.0	43.9	0.2	125.2	-	-	57	494.2	64.0	291	70.0	70.0	71.0
1977	24.2	13.4	20.5	31.9	17.4	43.3	7.8	22.4	2.0	34.2	40.1	7.8	51	265.0	34.2	285	34.2	34.2	34.2
1978	23.9	36.5	51.0	44.3	78.1	2.8	6.5	23.2	94.0	34.0	26.0	64.0	66	484.3	40.3	244	40.3	43.0	47.0
1979	28.8	19.0	18.7	75.3	58.7	35.4	11.7	51.4	32.1	30.4	168.9	16.5	87	546.9	82.1	323	88.6	119.4	125.9
1980	48.4	6.0	51.6	11.3	128.0	30.0	-	15.0	54.2	120.8	34.0	57.1	73	556.4	41.5	270	44.0	54.0	65.0
1981	25.5	18.0	43.5	48.0	15.5	27.5	25.2	48.6	81.5	91.0	62.5	59.0	71	545.8	67.0	297	71.0	71.0	73.0
1982	8.0	31.0	42.0	93.0	29.0	16.5	66.0	40.0	14.9	28.5	95.0	43.5	70	507.4	53.0	323	76.0	76.0	80.0
1983	4.5	13.5	12.0	37.8	84.0	110.4	41.0	7.6	26.8	24.5	53.5	47.3	58	462.9	51.0	144	51.0	52.0	56.0
1984	12.5	78.0	75.0	50.0	18.0	20.0	6.6	61.2	28.0	15.0	60.0	32.6	59	456.9	27.0	326	40.0	42.0	55.0
1985	-	-	-	-	-	-	-	-	-	-	138.8	7.0	14	145.8	40.0	329	40.0	71.0	74.0
1986	52.7	-	51.9	20.5	22.0	55.5	20.5	7.6	0.5	22.3	21.0	13.6	54	288.1	18.0	309	21.0	21.0	21.0
1987	36.0	16.8	73.9	41.5	50.7	12.8	1.5	3.5	35.6	12.0	64.0	30.8	51	379.1	27.0	82	36.0	45.5	45.5
1988	5.5	28.0	23.0	36.0	2.0	82.8	16.0	-	28.0	13.3	94.5	43.3	48	372.4	23.5	160	32.0	32.0	32.5
1989	-	9.0	8.2	76.0	47.8	103.5	70.0	22.0	28.0	43.0	17.0	5.0	42	429.5	28.5	105	43.5	46.0	49.0
1990	-	9.0	4.7	55.0	26.3	27.0	5.5	9.3	-	13.8	5.0	101.0	37	256.6	24.0	168	28.0	33.0	36.0
1991	4.0	33.5	27.5	99.0	29.5	15.5	36.5	17.0	17.5	45.0	58.5	8.2	54	391.7	25.0	119	37.0	37.0	37.0
1992	4.0	0.5	19.8	94.5	9.0	66.8	23.8	1.3	26.3	16.5	50.0	-	49	312.5	53.0	179	59.0	59.0	59.0
1993	29.5	13.5	39.7	4.7	36.8	1.0	4.1	6.5	9.1	43.2	61.2	41.8	50	291.1	34.0	277	40.4	40.4	43.2
1994	32.5	10.5	4.3	65.2	29.0	15.1	37.0	4.5	16.4	29.0	10.6	58.5	62	312.6	29.0	359	40.5	44.5	46.5
1995	28.6	7.5	45.7	32.9	43.6	19.3	94.6	46.1	75.7	0.5	26.6	110.2	83	531.3	31.5	189	40.5	42.7	54.7
1996	54.3	39.0	32.9	31.4	58.1	28.5	26.0	-	-	-	-	-	48	270.2	29.0	2	29.0	29.0	32.1
AVERAGE	27.5	26.5	36.9	43.0	49.9	43.9	32.8	24.4	28.5	45.1	51.0	43.3							
STD DEV	16.1	22.3	24.5	25.2	32.6	32.3	27.4	20.0	25.3	35.7	41.6	32.0							

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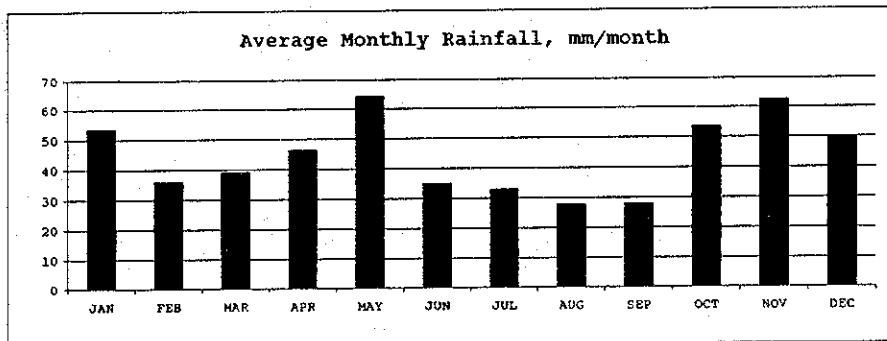
LOCATION Crna Reka GAUGING STATION RST036\_Rozhden  
 STATION ID 147 ELEVATION 925  
 REGISTRY NUMBER  
 LATITUDE 41° 11' LONGITUDE 21° 57'  
 AVERAGE ANNUAL TOTAL 422.4

Total Monthly Rainfall

Units: mm

Year	Total Monthly Rainfall												N_Wet	Av_Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC								
1961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1962	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1963	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1964	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1965	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1966	107.8	14.3	32.8	33.0	74.3	76.7	2.2	12.7	61.8	39.5	103.3	71.6	95	630.0	70.5	155	74.3	74.3	74.3	
1967	55.0	1.6	54.8	12.1	126.7	76.5	84.5	12.5	11.5	15.9	33.0	-	66	484.1	50.0	143	61.5	62.3	71.7	
1968	94.6	37.9	10.0	-	-	-	-	11.8	15.6	13.2	21.2	36.8	60.1	71	251.2	17.3	18	27.3	28.2	29.1
1969	87.9	-	-	41.8	12.5	8.0	26.6	16.0	1.8	-	1.1	101.5	62	297.2	20.0	6	20.8	30.8	40.8	
1970	26.8	35.5	70.5	3.5	48.0	54.2	34.4	35.8	2.3	90.6	32.5	61.3	91	495.4	30.0	296	37.8	37.8	43.8	
1971	23.1	41.9	78.9	54.7	12.2	9.7	33.6	12.5	25.5	63.4	-	16.1	86	371.6	20.5	49	40.5	41.2	41.2	
1972	26.8	48.6	46.2	54.5	34.8	24.1	97.4	31.2	93.4	139.1	45.4	0.0	115	641.5	20.7	129	40.0	50.0	50.9	
1973	75.6	-	63.8	52.2	3.5	23.3	87.3	72.7	-	-	-	-	62	378.4	30.8	29	50.0	70.0	72.7	
1974	32.2	128.2	12.3	67.3	158.6	45.5	2.0	15.4	21.4	50.1	45.3	74.8	87	653.1	57.7	348	58.5	67.0	67.0	
1975	76.0	-	94.2	57.2	152.3	106.2	56.8	-	0.5	65.1	112.5	2.3	96	723.1	35.0	1	40.0	51.9	61.9	
1976	63.3	28.7	69.3	85.0	79.7	30.8	51.5	41.6	13.4	142.4	-	-	144	605.7	20.0	73	40.0	60.0	61.7	
1977	30.5	4.7	14.6	58.7	120.4	78.0	30.7	54.9	28.3	29.8	75.1	45.5	85	571.2	25.0	219	38.0	51.0	51.0	
1978	112.9	68.3	28.5	119.8	-	8.6	-	-	75.4	140.5	50.0	176.0	65	780.0	41.0	295	66.0	87.0	87.0	
1979	126.0	144.0	40.0	141.6	181.0	64.3	10.0	110.9	70.0	101.0	376.0	37.6	118	1402.4	90.0	323	140.0	160.0	190.0	
1980	71.0	33.3	35.4	12.0	120.0	33.0	-	-	-	-	-	-	29	304.7	45.0	136	45.0	48.0	48.0	
1981	-	36.1	35.5	32.0	59.5	33.0	60.8	50.0	50.0	70.0	72.0	52.0	39	550.9	40.0	286	70.0	70.0	70.0	
1982	19.3	13.5	-	99.8	67.2	20.1	35.1	69.2	16.5	55.9	106.3	89.0	76	591.9	35.2	220	52.4	63.5	69.0	
1983	6.4	-	-	-	-	-	-	-	-	-	-	-	1	6.4	6.4	21	6.4	6.4	6.4	
1984	-	-	-	-	-	4.0	-	-	-	-	-	-	2	4.0	3.0	167	3.0	3.0	3.0	
1985	50.5	44.0	73.4	44.6	147.7	20.3	3.6	6.5	14.7	22.6	138.8	18.2	80	584.9	48.4	133	59.1	62.3	76.6	
1986	58.9	-	23.3	19.5	117.7	35.6	30.0	-	-	30.0	12.0	46.8	52	373.8	34.2	131	37.9	37.9	40.3	
1987	52.5	19.8	58.5	40.0	21.5	50.0	7.0	-	30.0	24.0	91.4	19.0	51	413.7	30.0	173	50.0	50.0	71.4	
1988	20.0	33.0	58.6	41.1	4.0	39.6	20.0	20.0	-	16.5	68.5	111.9	43	433.2	39.8	352	52.3	61.4	61.4	
1989	-	-	21.5	50.0	39.8	67.0	40.0	2.0	-	80.0	8.8	14.3	40	323.4	33.0	178	46.0	46.0	57.0	
1990	-	4.5	-	48.8	13.0	30.0	-	2.0	5.0	-	19.0	-	29	122.3	24.0	101	27.0	29.0	30.0	
1991	-	59.0	11.0	-	6.5	2.0	11.5	3.0	3.0	7.0	4.0	5.0	26	112.0	40.0	47	45.0	55.0	59.0	
1992	-	6.5	2.0	25.0	25.0	29.6	43.0	-	-	2.9	5.0	-	44	139.0	21.0	187	22.3	22.3	22.3	
1993	42.8	4.0	15.3	2.0	11.5	4.0	-	1.0	3.0	6.5	26.1	11.5	38	127.7	20.0	4	35.0	35.8	36.8	
1994	19.2	9.9	3.7	5.0	3.4	8.0	4.2	1.0	4.3	6.2	4.0	25.2	39	94.1	20.0	359	23.0	23.0	23.0	
1995	47.0	23.0	42.2	23.7	45.0	6.1	20.0	23.1	66.0	7.0	33.0	96.0	57	432.1	30.0	336	42.0	42.0	45.0	
1996	55.0	17.8	16.5	22.0	48.0	19.0	17.0	-	-	-	-	-	32	195.3	30.0	23	30.0	30.0	30.0	
AVERAGE	53.2	35.8	39.0	46.2	64.2	34.7	32.8	27.7	27.8	53.2	62.4	49.6								
STD DEV	31.4	35.8	25.9	34.2	56.0	27.2	27.4	28.6	28.3	44.4	77.5	44.1								

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LOCATION Vardar  
 STATION ID 52  
 REGISTRY NUMBER  
 LATITUDE 41° 34'  
 AVERAGE ANNUAL TOTAL 341.7

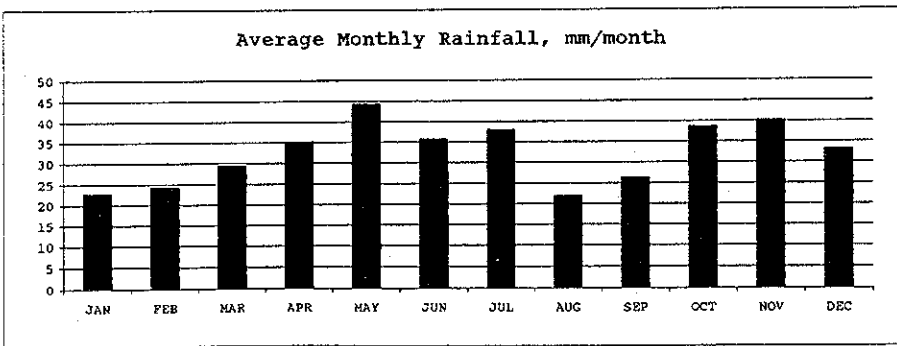
GAUGING STATION RST037\_Gradsko  
 ELEVATION 164  
 LONGITUDE 21° 58'

Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day	
1961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1962	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1963	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1964	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1965	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1966	31.3	22.3	24.3	12.0	15.6	47.8	11.2	-	27.0	38.5	63.8	57.2	42	351.0	24.0	155	42.5	42.5	42.5	
1967	20.4	5.5	40.0	41.4	54.4	30.5	61.1	29.5	2.2	14.3	4.2	38.9	38	342.4	35.0	192	48.0	52.6	52.6	
1968	19.0	33.9	2.0	19.8	82.6	37.3	-	17.0	15.5	17.0	36.4	43.1	42	323.6	24.0	136	43.3	46.8	46.8	
1969	22.3	49.8	44.1	29.9	-	3.6	20.6	30.0	-	-	3.0	65.5	35	268.8	30.0	231	41.0	41.0	41.0	
1970	16.0	7.7	17.4	16.2	63.7	19.3	61.6	5.3	2.5	65.4	12.7	26.3	48	314.1	25.5	296	29.3	35.3	41.8	
1971	20.0	30.3	59.8	22.3	53.0	31.6	44.6	14.2	27.0	34.0	17.2	19.1	48	373.1	26.0	291	34.0	43.0	44.7	
1972	33.6	36.7	0.0	26.3	0.0	0.0	57.4	52.8	36.8	84.0	26.0	0.0	44	353.6	20.0	199	40.0	48.0	52.0	
1973	10.0	27.5	66.4	51.0	29.0	20.5	20.5	60.5	-	-	-	-	33	293.4	26.0	242	35.0	47.0	61.0	
1974	36.5	82.4	25.5	48.4	50.4	33.0	-	10.5	20.0	16.5	15.0	11.2	46	359.4	24.5	37	32.5	34.7	42.7	
1975	-	10.2	40.5	7.5	28.0	90.0	43.5	3.0	-	77.9	59.7	9.5	32	369.8	44.0	171	64.0	64.0	64.0	
1976	31.0	8.0	8.0	30.0	74.5	10.0	49.0	14.5	-	79.5	-	-	27	304.5	55.0	292	66.0	66.0	74.0	
1977	14.5	8.0	12.5	6.0	44.0	33.5	18.0	43.0	3.5	-	29.5	3.0	21	215.5	24.0	219	24.0	24.0	24.0	
1978	24.5	10.6	-	61.0	32.0	-	-	6.0	94.5	42.5	35.5	29.5	35	336.1	55.0	251	55.0	62.0	62.0	
1979	28.5	18.5	-	63.0	48.0	-	-	47.7	-	25.5	167.0	7.2	39	405.4	101.0	323	101.0	135.0	135.0	
1980	26.4	3.0	59.5	11.7	96.0	33.2	-	16.0	30.0	81.0	57.5	29.7	46	444.0	45.0	84	51.0	51.0	54.5	
1981	13.0	26.5	14.5	26.5	9.5	18.0	25.5	16.5	11.0	43.0	48.1	49.5	43	300.6	19.0	194	24.0	24.0	24.0	
1982	13.5	13.5	39.7	71.2	52.6	-	24.0	28.7	2.2	16.2	-	46.7	40	308.3	17.0	79	31.0	31.0	31.0	
1983	-	13.5	9.0	3.0	54.0	121.9	16.5	6.0	23.8	54.0	51.2	54.5	40	407.4	26.4	164	35.5	51.5	64.5	
1984	27.0	41.0	19.5	23.5	30.0	-	-	68.5	18.0	-	-	12.7	34	240.2	42.0	229	42.0	47.5	52.0	
1985	37.2	38.0	31.0	14.0	81.5	2.0	-	7.0	-	24.0	77.2	18.5	41	330.4	22.0	9	29.2	39.0	39.0	
1986	43.8	-	8.0	21.5	68.6	17.5	30.0	-	4.5	36.5	18.0	12.5	41	260.9	23.0	199	23.0	23.0	29.5	
1987	20.5	29.0	89.0	22.5	29.0	-	-	-	27.5	37.5	41.7	16.0	41	312.7	24.5	82	33.5	40.0	45.5	
1988	4.0	40.0	30.1	34.0	24.4	43.9	6.5	7.0	67.0	35.5	66.0	45.0	56	403.4	65.0	267	65.0	65.0	65.0	
1989	1.0	9.0	5.0	40.0	29.5	106.0	86.5	20.0	67.0	33.5	28.0	46.0	68	471.5	65.0	266	65.0	65.0	65.0	
1990	0.5	3.5	2.0	57.5	23.5	33.5	16.0	12.5	1.0	12.0	12.5	91.0	57	265.5	26.0	101	33.0	33.0	35.5	
1991	21.5	60.5	24.5	82.0	58.0	27.5	36.0	5.4	30.3	29.5	39.3	3.3	76	417.8	28.0	268	32.5	32.5	36.0	
1992	1.5	1.5	18.0	87.2	72.0	123.1	40.1	1.2	21.0	34.2	43.0	35.0	74	477.8	35.5	171	52.5	78.5	78.5	
1993	26.7	17.0	53.0	43.2	21.8	7.2	4.5	4.8	2.7	32.2	49.5	31.9	78	294.5	24.0	277	32.0	32.0	32.2	
1994	28.7	21.3	-	54.3	11.8	14.5	65.8	22.5	25.5	36.8	13.5	38.3	72	333.0	36.0	204	38.0	41.0	41.0	
1995	43.3	4.0	47.8	22.8	48.5	19.3	119.9	29.6	69.3	0.1	27.9	92.4	94	514.9	62.0	188	64.0	65.2	65.2	
1996	36.8	52.1	30.0	37.5	30.2	1.0	11.4	-	-	-	-	-	67	199.0	21.5	96	22.1	22.6	23.2	
AVERAGE	22.5	24.2	29.3	35.1	44.2	35.6	37.8	21.8	26.2	38.5	40.1	33.0								
STD DEV	12.1	19.5	22.3	22.3	24.2	35.4	28.1	19.3	25.0	22.7	32.8	23.6								

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LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Vardar  
58  
41° 26'  
422.5

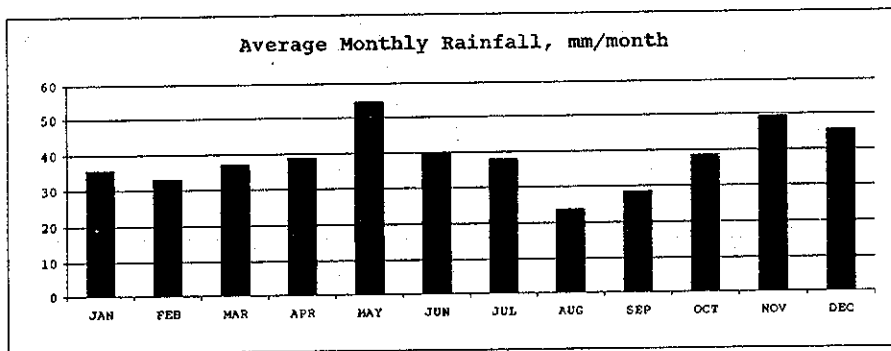
GAUGING STATION  
ELEVATION  
LONGITUDE

RST030\_Kavadarci - kl  
265  
22° 02'

Units: mm

Total Monthly Rainfall												Units: mm								
Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N_Wet	Av_Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day	
1961	23.7	16.2	38.4	38.4	69.4	43.9	17.8	-	3.9	23.3	62.1	40.6	69	377.7	21.1	82	34.7	37.7	39.5	
1962	25.8	69.7	95.2	42.3	14.4	67.4	18.0	2.4	23.2	39.3	194.5	47.0	85	639.2	83.5	305	91.1	95.1	100.4	
1963	127.8	67.6	48.7	51.5	86.4	48.7	11.4	14.0	30.9	101.7	47.6	55.7	94	692.0	45.0	23	51.0	54.0	54.5	
1964	12.4	2.3	59.2	50.1	85.4	32.9	39.8	9.2	71.3	24.3	76.7	19.2	80	482.8	40.0	117	47.0	49.5	49.5	
1965	45.5	57.1	35.7	34.2	50.0	29.9	4.6	44.9	9.0	-	20.0	59.0	80	389.9	21.4	231	27.8	30.0	36.0	
1966	93.5	18.9	32.3	25.6	58.7	44.1	14.6	8.7	33.1	43.5	57.2	109.4	88	539.6	44.5	342	59.8	60.6	64.4	
1967	27.0	7.4	35.6	44.3	81.7	25.3	83.6	29.2	21.5	19.5	18.2	66.2	77	459.5	44.4	192	64.6	71.8	74.5	
1968	66.7	35.9	10.6	16.7	85.7	67.2	-	25.9	16.7	17.2	74.6	46.9	75	464.1	37.0	136	64.0	64.0	65.7	
1969	75.4	45.7	69.3	21.0	9.5	21.3	30.0	77.0	5.0	1.6	-	78.6	87	434.4	58.0	222	58.0	58.0	58.0	
1970	24.2	31.5	31.5	24.7	99.9	32.6	66.4	4.8	2.7	73.8	7.2	31.9	87	431.2	23.6	121	23.8	36.4	36.4	
1971	41.8	38.5	50.4	20.7	67.0	59.8	53.0	35.0	56.0	25.8	11.1	36.4	92	495.5	22.7	262	35.0	47.7	50.1	
1972	23.0	23.7	13.7	58.6	38.0	13.5	78.6	36.2	76.3	86.5	20.8	2.7	113	471.6	32.6	112	38.6	39.2	39.5	
1973	34.9	24.4	63.7	42.6	29.5	8.2	46.4	32.7	-	-	-	-	65	282.4	27.0	183	28.8	28.8	35.6	
1974	38.6	87.9	14.2	30.2	75.8	57.8	31.1	49.9	25.9	24.6	43.3	75.9	97	555.2	38.7	47	53.9	57.5	58.5	
1975	43.0	30.1	27.4	17.0	47.4	71.3	25.5	3.0	10.0	76.4	42.3	17.1	79	410.5	31.5	1	36.5	52.6	52.6	
1976	11.5	24.0	13.6	37.9	74.8	24.8	85.6	17.3	7.6	42.4	-	-	67	319.5	26.1	146	28.4	33.6	33.9	
1977	12.7	13.7	17.1	21.7	39.9	43.4	11.5	51.3	12.8	6.2	22.5	9.5	75	262.3	26.0	219	29.0	29.0	29.0	
1978	7.9	33.5	33.5	67.9	46.6	-	-	-	-	76.3	58.6	18.7	70	369.7	23.2	251	42.2	42.2	42.2	
1979	24.2	24.8	-	-	-	-	-	-	-	-	-	9.2	19	58.2	6.4	33	11.0	15.6	17.2	
1980	4.7	10.2	30.0	18.1	-	26.6	9.4	10.5	54.0	101.0	-	-	43	264.5	44.0	269	44.0	51.0	54.5	
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	7.0	21.3	12.5	36.2	63.7	117.4	67.3	8.1	65.2	32.7	78.7	128.9	89	639.0	44.0	337	71.5	82.5	104.0	
1984	31.6	60.2	54.8	32.7	19.7	35.0	13.3	59.1	21.6	2.9	29.2	16.2	99	376.3	23.5	165	23.5	30.9	31.6	
1985	52.5	39.1	32.4	16.2	87.4	9.5	4.4	13.5	13.6	31.0	93.6	15.2	89	408.4	24.2	142	28.3	46.9	50.5	
1986	25.9	-	31.7	9.4	111.1	36.2	28.1	16.1	0.6	36.3	26.2	25.6	76	347.2	29.0	145	29.0	29.7	33.3	
1987	57.0	37.8	76.1	66.9	27.5	30.6	42.0	9.4	8.1	50.7	74.4	25.9	86	506.4	43.0	92	53.4	65.0	65.0	
1988	6.5	29.8	41.8	32.0	24.0	29.0	17.2	14.3	2.3	36.0	123.3	59.8	87	416.0	28.6	352	37.2	38.8	39.1	
1989	-	21.7	38.2	33.1	40.8	63.8	79.1	8.5	2.3	-	-	-	53	287.5	24.0	187	31.9	39.9	42.2	
1990	-	-	-	56.0	29.7	24.5	13.9	46.0	6.6	24.8	25.2	119.6	65	346.3	30.0	337	46.0	49.3	56.3	
1991	27.2	66.6	28.5	73.8	61.1	46.3	50.3	2.2	38.8	54.1	49.7	5.8	81	504.4	38.1	268	40.4	45.6	49.1	
1992	0.7	4.0	19.5	120.6	64.5	81.4	61.0	2.4	18.0	18.0	40.0	41.1	64	471.2	43.1	158	47.5	53.1	56.1	
1993	35.1	15.6	40.3	27.5	32.1	26.4	7.5	9.4	2.7	63.5	34.3	34.1	66	328.5	29.2	275	54.2	54.2	54.2	
1994	28.2	33.1	7.3	44.8	18.7	22.6	72.7	17.9	22.8	23.1	14.1	29.1	75	334.4	40.0	204	40.0	40.0	40.6	
1995	62.0	6.5	52.5	19.0	55.1	21.5	64.3	38.8	83.6	0.4	38.6	84.3	100	526.6	30.5	212	41.7	53.2	59.2	
1996	37.7	56.2	28.3	46.0	44.5	13.3	46.3	29.7	83.7	16.2	31.6	38.3	104	471.8	25.2	198	33.9	33.9	33.9	
AVERAGE	35.5	33.0	37.0	38.7	54.4	39.9	37.9	23.5	28.3	38.5	49.1	45.2								
STD DEV	27.4	21.4	20.5	22.0	26.6	23.7	25.5	19.3	27.2	27.9	39.8	33.3								

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LOCATION Vardar GAUGING STATION RST039\_Gorna Boshava  
 STATION ID 60 ELEVATION 590  
 REGISTRY NUMBER  
 LATITUDE 41° 17' LONGITUDE 22° 08'  
 AVERAGE ANNUAL TOTAL 437.8

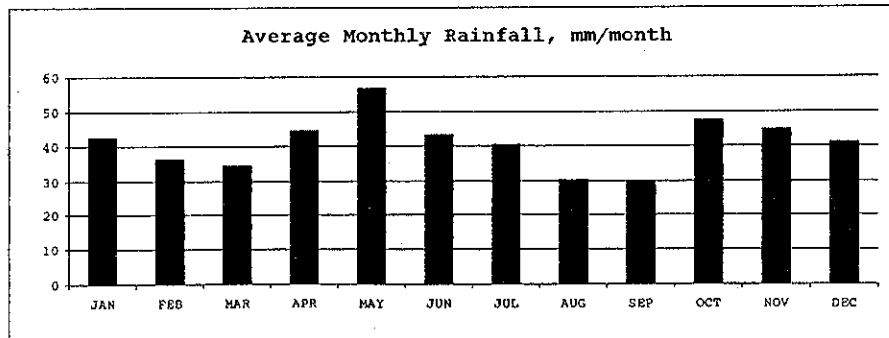
Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N.Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day	
1961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1962	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1963	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1964	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1965	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1966	60.7	-	24.4	15.7	28.7	81.3	-	8.2	12.3	38.7	-	65.2	30	335.2	60.7	154	72.1	80.3	80.3	
1967	34.0	11.2	35.0	11.6	55.2	22.8	65.6	23.2	-	37.5	54.5	76.7	42	427.3	43.2	192	65.6	65.6	65.6	
1968	51.9	29.0	7.8	4.1	57.8	58.4	-	42.0	27.1	7.9	39.7	45.9	47	371.6	38.2	233	54.6	54.6	54.6	
1969	51.2	24.4	38.7	10.0	20.1	28.5	81.2	13.2	-	-	-	50.9	38	318.2	27.0	356	31.8	41.3	48.5	
1970	17.2	71.5	21.6	4.8	93.0	-	32.8	-	-	12.6	-	-	30	253.5	28.6	51	41.8	51.1	55.3	
1971	36.6	46.3	27.8	24.1	84.2	41.6	43.6	35.3	57.0	27.5	29.3	27.3	50	480.6	50.6	150	63.0	73.1	90.4	
1972	21.6	33.0	15.2	85.3	51.1	0.0	59.7	40.9	51.1	99.6	27.1	0.0	61	484.6	36.3	112	37.5	42.7	52.7	
1973	36.0	30.0	53.7	72.0	22.5	41.3	35.9	66.3	-	-	-	-	34	357.7	30.7	107	30.7	36.9	36.9	
1974	39.0	110.1	23.8	44.1	80.5	53.3	8.5	8.5	39.4	35.7	35.5	49.5	41	527.9	40.0	349	50.0	50.0	50.0	
1975	-	44.0	9.2	73.5	49.7	112.4	5.2	-	-	130.4	50.4	26.2	30	501.0	40.7	171	53.3	61.8	61.8	
1976	36.2	24.2	21.9	62.8	99.9	63.7	81.4	46.8	-	76.0	-	-	43	512.9	43.4	292	48.2	57.6	57.6	
1977	28.7	24.4	49.3	17.7	40.4	39.3	63.0	19.7	24.6	8.2	13.6	12.5	25	341.4	42.3	188	49.3	49.3	49.3	
1978	14.1	26.0	27.6	87.9	80.4	6.2	20.8	22.5	88.5	68.2	8.0	60.4	36	510.6	40.2	95	45.9	68.2	68.2	
1979	19.7	61.3	11.6	36.9	106.6	71.9	-	50.4	37.3	59.9	75.7	28.9	45	560.2	44.0	132	84.0	84.0	93.8	
1980	33.9	27.2	35.1	28.8	108.4	58.9	4.1	5.9	39.4	145.0	62.0	56.7	53	605.4	41.2	308	59.9	70.4	92.2	
1981	186.5	38.9	76.2	30.5	58.5	5.2	30.2	108.0	31.9	85.2	86.9	60.3	51	798.3	71.4	23	102.0	102.0	112.8	
1982	40.3	24.3	76.4	131.4	14.6	26.4	32.0	50.6	19.2	47.2	90.2	23.6	38	576.2	42.0	277	53.0	62.2	67.4	
1983	16.4	25.2	16.4	50.5	48.9	166.6	67.8	21.2	37.3	39.9	48.5	84.4	53	623.1	43.0	167	72.0	98.0	106.0	
1984	35.3	45.7	40.3	26.3	21.5	62.6	14.2	30.6	20.9	4.2	12.8	23.3	44	337.7	34.2	67	34.2	34.2	39.9	
1985	72.6	29.4	32.7	34.0	65.9	8.2	-	18.2	13.6	15.1	105.2	7.2	41	402.1	53.0	9	53.0	53.0	56.5	
1986	55.2	-	28.0	5.2	82.3	30.0	14.2	31.0	-	2.4	21.3	46.8	32	316.4	32.2	131	32.2	32.2	32.2	
1987	68.5	90.0	75.7	40.3	31.2	20.0	12.0	23.2	3.8	59.2	59.6	16.2	43	499.7	37.2	274	41.0	41.0	52.5	
1988	7.3	6.6	49.3	29.8	17.6	22.4	10.7	3.9	5.8	52.4	78.2	64.5	47	348.5	21.3	352	29.5	29.5	29.5	
1989	-	8.0	75.7	29.5	109.0	33.4	83.1	9.5	5.8	42.9	3.0	25.5	34	425.4	34.2	84	55.8	55.8	55.8	
1990	-	1.7	9.5	61.3	66.5	20.5	12.0	42.0	0.6	16.0	58.2	93.7	35	382.0	33.0	140	39.0	39.0	39.0	
1991	0.8	45.3	30.4	-	24.6	16.9	38.3	21.4	45.0	56.0	-	6.0	29	284.7	45.0	268	45.0	45.0	56.0	
1992	-	4.8	19.1	123.2	17.7	104.5	37.7	-	-	-	20.0	42.9	43	369.9	35.0	110	48.0	55.0	55.0	
1993	21.0	20.0	47.0	29.5	54.4	22.9	14.5	4.0	6.0	49.0	39.8	33.5	51	341.6	23.0	277	29.0	29.0	29.0	
1994	45.2	79.0	16.0	58.0	26.0	31.9	92.0	5.3	-	14.0	7.3	32.0	40	406.7	58.0	204	58.0	58.0	58.0	
1995	70.0	20.0	32.5	81.0	104.0	39.5	92.5	62.0	63.0	-	45.0	41.5	66	651.0	48.0	12	48.0	48.0	56.0	
1996	44.5	50.0	36.0	21.0	33.0	1.8	33.0	-	-	-	-	-	46	219.3	30.0	51	30.0	30.0	35.0	
AVERAGE	42.4	36.3	34.3	44.4	56.6	43.1	40.2	30.1	30.0	47.3	44.7	40.8								

STD DEV	34.4	25.8	20.3	33.3	31.1	36.7	28.9	23.8	22.7	37.1	28.6	24.3
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039



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Bregalnica  
226  
41° 45'  
455.8

GAUGING STATION  
ELEVATION  
LONGITUDE

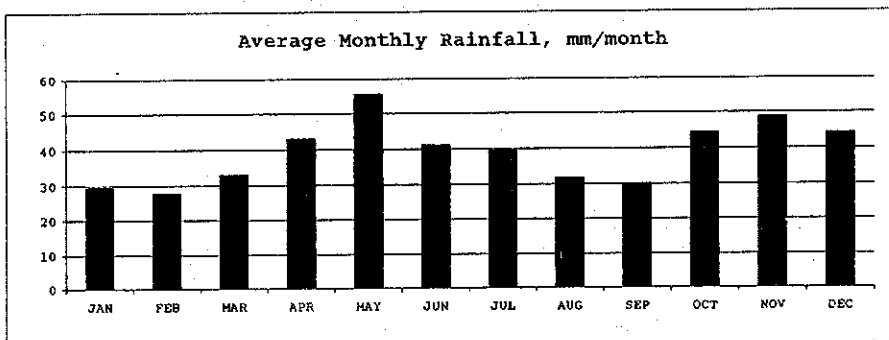
RST040\_Shtip  
326  
22° 11'

Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N. Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	24.5	6.0	21.0	21.0	85.6	30.4	6.7	2.2	5.9	12.6	102.7	33.6	79	352.2	31.2	310	50.4	65.7	66.2
1962	21.9	47.0	117.6	42.1	22.9	69.9	13.2	19.4	19.7	62.6	117.1	87.6	110	641.0	51.3	320	58.3	66.5	66.7
1963	62.9	59.0	42.8	36.3	60.8	29.6	22.7	12.7	22.2	75.9	26.2	36.2	114	487.3	26.5	284	34.9	35.6	35.6
1964	11.5	9.1	53.9	44.5	68.8	19.7	54.2	24.1	65.3	79.3	64.1	34.8	98	529.3	42.2	284	45.5	49.4	49.4
1965	54.2	32.7	17.6	25.6	79.8	31.5	59.0	67.0	3.5	-	20.9	68.7	93	460.5	38.7	201	55.4	55.4	55.4
1966	91.0	22.8	36.0	23.0	30.8	55.4	3.1	2.8	27.8	49.9	55.4	79.2	97	477.2	43.5	154	48.5	48.5	50.8
1967	23.3	4.4	21.9	38.2	55.9	44.5	115.6	21.4	29.4	15.7	17.2	52.2	82	439.7	52.4	192	61.4	69.6	71.1
1968	41.5	27.8	11.5	21.4	116.4	84.9	0.7	60.4	17.8	13.1	62.5	55.6	98	513.6	34.7	136	47.5	49.2	60.2
1969	56.0	40.4	50.2	40.1	3.3	29.3	10.9	28.8	8.0	-	4.8	93.7	109	365.5	28.4	108	31.5	33.0	34.2
1970	25.6	32.7	16.6	26.2	67.7	23.1	65.3	4.8	16.7	112.5	10.0	21.2	110	422.4	41.1	290	49.9	51.5	51.5
1971	26.3	34.2	80.3	13.6	61.9	52.2	64.6	24.8	74.3	12.8	15.1	12.7	93	472.8	27.5	126	40.4	60.7	66.2
1972	24.3	36.9	9.8	67.0	41.4	19.0	78.8	51.5	99.4	135.6	32.3	0.8	111	596.8	50.1	112	50.8	53.9	54.6
1973	30.9	38.9	63.0	52.2	17.0	1.0	52.7	60.8	-	-	-	-	72	316.5	31.0	239	45.2	47.3	55.6
1974	48.7	128.0	41.5	52.7	131.2	86.2	7.3	14.2	52.1	61.4	40.0	62.7	106	726.0	42.6	136	45.9	46.1	60.5
1975	20.2	8.2	32.2	10.2	70.4	98.2	60.4	38.2	15.3	89.3	62.4	8.8	92	513.8	43.3	324	46.3	48.4	55.4
1976	17.7	9.7	4.5	26.3	93.5	52.7	102.3	33.4	8.2	92.1	-	-	88	440.4	35.3	292	49.3	49.3	53.8
1977	16.6	19.4	16.0	19.1	45.8	53.2	29.2	40.5	6.3	12.8	30.5	11.8	77	301.2	27.7	219	27.9	30.8	30.8
1978	17.1	18.3	29.0	51.9	56.0	5.3	9.7	11.7	64.6	27.4	13.5	58.0	95	364.5	18.2	361	19.1	20.2	24.6
1979	25.6	25.4	17.4	85.1	57.5	35.8	32.5	69.3	22.5	25.3	132.8	11.0	112	540.2	61.0	323	65.6	82.1	86.7
1980	59.3	8.0	28.9	25.4	91.4	27.8	13.4	38.9	33.8	129.6	23.3	58.0	110	537.8	25.2	295	49.2	69.8	72.8
1981	26.2	30.7	22.3	53.3	15.4	40.1	46.0	44.0	85.5	66.2	83.7	39.1	99	552.5	50.8	320	61.8	61.8	61.8
1982	5.0	28.3	33.8	89.1	50.2	10.6	26.7	13.3	4.4	13.7	70.2	47.4	97	392.7	26.4	321	51.7	66.9	68.5
1983	9.8	24.5	19.8	29.2	72.5	160.4	72.6	33.9	62.0	28.7	82.4	54.6	108	650.4	46.4	248	68.0	85.7	100.3
1984	26.6	42.7	41.3	45.4	16.3	20.1	12.7	58.2	16.9	8.0	31.4	25.7	103	365.3	31.0	229	24.0	24.0	29.0
1985	50.7	27.6	53.0	25.6	88.3	14.1	3.5	22.3	5.0	22.4	105.4	11.9	90	430.6	35.2	329	38.2	61.5	64.5
1986	43.1	-	19.3	28.4	64.3	23.8	75.5	20.6	8.9	18.9	17.1	8.0	84	327.9	28.4	199	31.9	39.0	42.0
1987	34.8	11.2	83.6	56.1	40.6	9.9	2.4	49.4	16.8	52.5	80.8	36.6	96	474.7	40.6	82	51.4	53.5	54.0
1988	3.7	32.9	28.3	24.5	35.9	41.4	17.4	9.8	5.7	13.8	79.3	31.1	95	323.8	27.0	58	31.8	32.0	32.1
1989	0.2	8.9	9.2	63.9	54.1	172.1	49.5	41.0	5.7	31.2	20.2	44.1	81	500.1	59.5	177	99.7	99.7	109.8
1990	0.5	5.8	3.2	57.4	29.2	10.7	10.6	30.2	1.0	25.3	14.0	107.2	72	295.1	28.9	101	34.6	35.2	38.2
1991	15.8	39.8	28.0	78.8	48.7	18.1	85.7	27.4	29.7	82.9	53.3	6.0	99	514.2	50.1	295	71.6	71.6	71.6
1992	0.1	-	20.0	142.4	44.0	31.2	8.2	8.3	21.0	19.0	36.4	35.8	72	366.4	39.2	111	67.8	69.2	69.6
1993	24.8	16.2	36.8	14.2	31.1	13.9	12.9	1.7	5.8	29.0	58.7	45.0	81	290.1	21.5	87	26.5	26.5	31.9
1994	31.2	20.3	3.9	51.3	14.7	31.8	49.6	11.6	10.9	27.9	8.3	54.4	93	315.9	26.8	359	35.4	42.0	44.6
1995	42.2	6.8	41.3	23.3	57.9	22.2	110.8	82.6	68.3	1.4	44.2	107.9	121	608.9	39.0	339	42.7	52.8	52.8
1996	37.5	32.9	29.8	38.5	74.1	4.7	30.6	56.8	86.7	13.8	37.2	58.7	123	501.3	26.0	96	38.6	44.9	45.9
AVERAGE	29.2	27.6	32.9	42.9	55.5	41.0	39.4	31.6	29.9	44.3	48.6	44.1							
STD DEV	20.0	22.5	24.2	26.3	28.9	38.7	33.3	21.5	28.2	37.0	34.0	28.7							

O 40



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Vardar  
59  
41° 25'  
526.3

GAUGING STATION  
ELEVATION  
LONGITUDE

RST041\_Demir Kapija  
125  
22° 15'

Total Monthly Rainfall

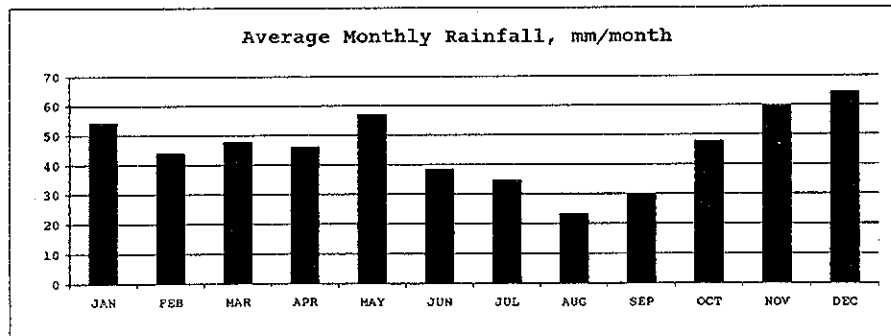
Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1961	24.5	20.7	39.4	39.4	52.9	36.3	45.1	-	2.9	16.8	110.2	69.5
1962	54.5	97.3	107.0	57.4	22.9	34.4	2.0	3.2	22.0	71.0	159.7	32.1
1963	93.3	79.4	42.0	53.6	82.1	37.3	6.1	25.3	33.8	90.2	73.5	40.4
1964	11.5	7.4	71.7	51.5	101.5	25.8	29.5	4.9	70.1	27.5	77.9	15.3
1965	77.5	48.5	34.4	29.5	38.6	22.2	2.2	37.5	4.2	-	22.5	67.5
1966	157.4	24.3	39.6	27.2	39.0	83.8	4.6	20.1	46.0	48.7	61.9	132.8
1967	34.4	2.9	43.0	38.4	91.7	60.7	70.0	14.3	28.3	22.7	40.3	97.6
1968	76.4	49.1	6.8	11.5	94.2	66.6	-	26.1	31.6	15.0	84.3	55.6
1969	107.6	55.6	63.4	50.0	10.5	53.0	113.8	11.4	2.1	-	0.3	129.9
1970	18.0	57.5	52.0	22.8	83.4	45.8	74.8	4.7	0.9	64.5	6.7	18.2
1971	59.2	44.9	107.3	19.3	54.4	40.3	32.3	9.2	40.7	17.3	12.2	45.3
1972	17.1	27.9	16.8	42.2	28.7	31.5	54.7	29.5	112.3	105.4	24.0	3.7
1973	49.6	45.9	70.1	64.3	30.8	8.8	50.6	64.3	-	-	-	-
1974	40.5	152.5	21.5	29.8	64.3	43.1	6.2	33.0	31.3	46.4	58.0	110.6
1975	70.9	32.0	24.7	16.0	31.6	68.6	44.3	20.7	10.9	62.2	48.1	9.8
1976	28.1	30.2	22.3	51.0	97.6	26.6	60.5	16.4	18.0	134.1	-	-
1977	19.7	22.1	33.6	17.3	38.4	57.5	71.6	44.9	19.4	6.8	18.0	9.3
1978	25.4	55.2	37.4	75.2	80.6	8.0	2.0	12.6	60.8	107.2	29.6	46.1
1979	26.6	19.7	15.1	95.8	75.1	17.2	28.6	67.0	44.9	32.7	201.6	38.9
1980	50.5	14.1	48.1	30.5	112.9	29.3	17.7	15.8	40.9	196.9	22.8	88.6
1981	84.6	59.5	54.7	48.4	24.9	22.2	38.4	37.3	42.4	59.4	157.5	73.0
1982	19.7	29.1	70.8	122.6	36.5	5.7	28.3	40.9	22.9	32.6	73.8	74.1
1983	14.4	41.4	14.3	65.5	65.8	187.4	30.4	12.5	57.1	29.7	72.5	233.4
1984	49.6	80.8	59.8	31.9	20.5	32.9	13.4	38.3	16.2	4.3	18.2	50.6
1985	50.4	36.4	52.7	17.0	98.4	12.0	5.1	14.5	11.0	16.7	105.1	13.7
1986	69.0	-	18.7	19.1	92.4	23.1	21.3	4.0	0.4	38.5	29.4	51.3
1987	218.6	72.1	112.3	96.8	22.9	10.1	7.1	22.2	7.3	47.4	69.8	26.3
1988	13.2	58.3	86.7	19.6	41.7	36.3	15.2	-	5.7	37.0	140.7	106.0
1989	-	18.2	47.1	50.9	68.4	59.8	77.3	9.3	5.7	32.7	20.7	48.8
1990	0.6	15.8	7.2	53.9	34.4	27.7	20.9	24.2	3.3	11.8	28.5	154.7
1991	27.1	61.2	21.7	71.9	69.3	35.1	52.9	11.0	44.6	88.8	60.9	8.4
1992	10.9	4.1	19.2	73.5	-	43.4	20.6	-	19.4	20.2	37.3	62.3
1993	43.7	21.0	68.5	14.0	42.5	29.2	7.0	7.0	5.7	26.1	50.1	55.2
1994	88.9	59.6	7.8	59.7	40.9	24.5	39.3	12.4	16.3	48.1	11.6	67.5
1995	108.1	10.0	76.6	30.2	68.6	19.3	94.8	37.9	75.3	1.9	50.8	90.2
1996	49.5	84.4	18.9	56.9	30.3	15.8	30.2	29.8	75.8	10.2	38.5	59.4
AVERAGE	54.0	44.0	47.6	46.0	56.8	38.4	34.6	23.1	29.4	47.6	59.3	64.3

N.Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
84	457.7	46.8	311	76.0	87.9	87.9
104	743.5	97.4	75	148.3	151.4	151.6
123	657.0	35.4	284	48.1	60.2	60.2
100	494.6	39.9	117	55.8	56.7	57.3
97	384.6	19.0	21	35.3	52.3	65.5
112	685.4	70.2	1	89.3	91.3	92.7
94	544.3	40.4	192	58.8	61.6	62.1
104	517.2	34.0	20	59.8	61.2	74.2
104	597.6	40.0	187	66.9	66.9	66.9
109	449.3	35.1	188	46.6	51.6	56.3
101	482.4	39.2	88	52.2	56.4	57.3
116	493.8	48.4	254	48.4	53.0	53.5
77	384.4	28.0	239	37.3	37.5	54.5
103	637.2	78.5	47	82.5	95.2	95.2
87	439.8	55.4	1	56.9	60.5	60.5
88	484.8	51.6	292	70.6	70.6	95.6
70	358.6	35.1	188	36.8	36.8	36.8
97	540.1	37.3	301	63.3	74.3	74.5
102	664.2	124.2	323	127.0	152.2	152.8
121	668.1	59.1	355	81.4	123.7	130.9
121	694.3	86.8	320	93.5	94.0	94.0
99	557.0	30.5	119	41.3	53.8	55.9
110	824.4	79.7	337	116.9	143.2	168.1
123	416.5	34.9	41	41.6	44.2	47.0
89	435.0	63.6	146	63.6	63.6	69.6
81	367.2	35.5	131	38.2	40.5	41.2
101	712.9	132.0	19	146.6	157.0	160.3
94	560.4	46.7	352	73.0	77.4	77.4
96	438.9	28.9	185	32.3	35.5	35.8
81	383.0	49.9	337	57.1	69.1	76.9
104	552.9	49.5	294	70.7	70.7	70.7
73	310.9	46.7	345	50.3	52.7	58.1
88	370.0	34.4	87	34.7	37.2	37.2
102	476.6	44.8	10	75.5	76.9	79.2
119	663.7	32.1	124	45.8	49.6	55.4
117	499.7	24.8	2	26.0	28.7	30.4

STD DEV	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	44.8	31.0	36.2	26.0	29.4	31.6	28.6	16.2	26.5	42.2	48.2	48.4

041



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Bregalnica  
195  
41° 55'  
496.2

GAUGING STATION  
ELEVATION  
LONGITUDE

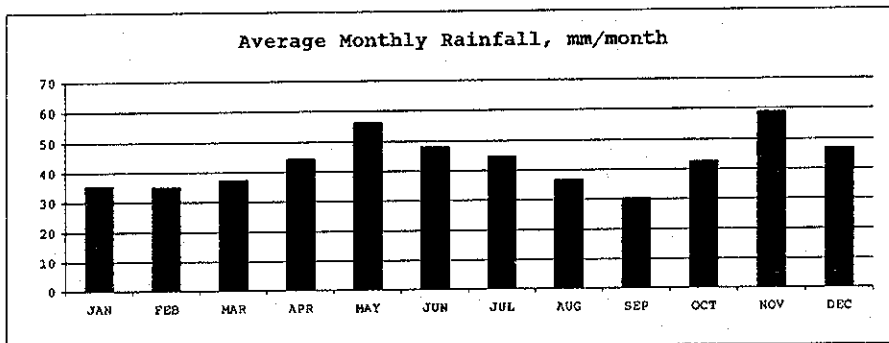
RST042\_Kochani - K1  
345  
22° 25'

Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N.Wet	AV_Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day	
1961	14.8	14.7	25.8	25.8	79.1	53.5	25.6	-	5.1	10.9	85.6	43.5	87	384.4	29.2	311	52.9	55.9	55.9	
1962	17.4	35.0	125.7	30.3	37.3	67.2	22.7	23.2	5.0	71.4	139.3	118.3	121	692.8	55.1	320	65.7	65.7	65.7	
1963	99.7	81.5	54.4	50.7	37.2	41.9	25.8	17.0	17.9	54.5	22.7	50.2	132	553.5	25.6	54	25.8	42.0	42.4	
1964	9.8	24.6	63.1	52.7	82.3	15.1	12.4	37.0	104.0	49.6	73.0	37.1	104	560.7	39.4	117	49.2	53.8	53.8	
1965	43.4	44.9	34.7	48.3	84.9	60.4	43.2	47.4	4.3	-	30.1	87.6	113	529.2	34.8	200	38.3	46.1	48.3	
1966	86.1	39.0	48.1	35.5	44.1	64.4	31.2	13.1	18.3	35.6	77.1	68.3	114	560.6	41.0	1	53.6	53.6	53.6	
1967	36.0	8.3	23.4	50.0	50.2	64.7	110.1	26.3	34.4	34.1	16.1	52.6	87	506.2	45.0	192	48.8	49.8	49.8	
1968	34.3	45.7	14.3	5.6	85.6	95.0	1.2	24.8	30.0	12.3	50.8	48.5	94	448.1	25.9	49	33.2	44.6	50.1	
1969	59.2	58.4	70.2	41.0	15.8	50.7	43.3	28.9	23.9	0.1	11.0	73.5	105	476.0	26.9	188	40.9	40.9	40.9	
1970	36.9	61.8	39.4	38.6	75.0	38.2	90.4	38.5	5.7	83.7	15.8	21.3	112	545.3	30.0	121	31.2	46.4	48.7	
1971	36.0	22.6	77.8	8.2	43.5	19.1	24.5	23.9	57.2	12.9	15.5	19.2	105	360.4	24.3	88	46.8	48.3	48.4	
1972	16.3	41.1	8.9	65.2	43.2	57.8	48.1	57.3	114.6	130.2	26.5	0.0	104	609.2	33.4	112	41.8	48.4	51.1	
1973	32.6	46.0	51.9	67.6	38.9	14.4	77.0	91.5	-	-	-	-	68	419.9	34.5	239	48.5	50.9	60.1	
1974	42.5	51.0	31.8	30.5	96.4	57.5	13.4	13.8	24.5	51.9	36.5	42.8	96	492.6	30.5	136	31.1	34.2	43.5	
1975	18.5	10.0	50.8	20.8	76.8	71.1	66.8	51.3	9.8	75.3	92.5	17.1	95	560.8	52.7	324	53.1	55.5	68.1	
1976	23.6	6.9	18.3	37.0	99.1	89.3	137.0	88.6	15.1	74.5	-	-	78	589.4	44.1	219	71.5	71.5	71.5	
1977	35.7	33.0	14.0	21.7	50.5	115.6	24.2	22.4	20.1	16.0	66.2	10.5	58	429.9	82.0	168	88.0	88.0	88.0	
1978	29.0	34.7	42.2	49.3	93.9	29.4	14.5	14.0	90.4	33.3	15.2	63.4	72	509.3	30.5	295	35.5	46.6	50.1	
1979	44.2	32.6	18.2	88.8	58.8	31.6	22.0	114.0	23.2	70.5	127.3	15.3	87	646.5	53.5	323	57.5	80.9	84.9	
1980	56.0	11.0	50.9	22.0	130.7	16.2	28.3	15.0	27.2	107.5	35.2	46.9	88	546.9	29.0	295	53.2	75.4	79.4	
1981	36.8	53.2	24.0	44.0	57.4	45.8	56.0	53.0	33.1	72.4	100.1	64.4	83	640.2	38.2	297	45.4	45.4	45.4	
1982	7.6	31.8	35.8	96.4	28.6	15.4	66.2	47.4	9.8	18.2	103.0	57.6	68	517.8	38.8	322	65.0	87.2	89.6	
1983	14.2	45.6	8.2	17.4	68.7	84.4	71.4	45.8	50.3	21.8	95.8	48.3	68	571.9	35.2	150	49.6	52.0	53.4	
1984	36.0	64.4	59.0	29.8	34.0	29.5	22.6	21.3	46.0	12.4	61.6	20.2	81	436.8	33.2	325	33.2	45.8	45.8	
1985	58.2	47.4	48.6	41.6	74.2	35.9	6.2	44.6	-	2.6	141.8	9.6	63	510.7	37.2	331	40.6	63.8	65.0	
1986	52.5	-	23.7	8.8	44.1	30.3	57.2	10.3	15.8	20.4	9.1	13.6	65	285.8	35.8	199	35.8	35.8	35.8	
1987	45.6	19.1	53.4	59.1	35.6	11.8	0.2	31.9	14.8	56.0	74.0	46.0	71	447.5	37.2	322	44.8	44.8	55.2	
1988	6.6	32.0	39.3	44.0	29.4	80.2	17.0	4.0	12.9	10.2	104.0	30.4	70	410.0	26.5	58	32.0	32.0	32.0	
1989	0.6	12.4	13.9	75.3	20.3	94.6	55.5	38.5	12.9	50.8	35.2	39.4	67	449.4	27.5	222	28.7	34.9	36.8	
1990	-	15.6	5.6	80.6	22.7	31.4	25.6	48.6	7.0	36.1	11.6	141.8	62	426.6	36.8	222	37.6	40.1	40.7	
1991	14.4	76.6	14.8	76.5	58.4	36.4	66.0	11.6	25.8	65.0	76.5	13.0	65	535.0	38.5	295	49.3	50.2	50.2	
1992	-	-	7.4	64.3	19.2	48.5	39.4	-	7.4	38.4	62.8	43.4	55	330.8	17.8	318	34.4	39.6	39.6	
1993	24.2	20.9	36.2	16.0	45.5	15.4	3.6	-	20.0	31.9	57.2	47.5	55	318.4	20.4	318	26.0	28.6	38.8	
1994	-	17.4	16.8	62.2	30.7	21.4	89.6	4.2	18.4	39.5	13.6	42.7	56	356.5	22.2	359	29.7	32.5	44.0	
1995	58.3	11.4	51.3	40.8	72.2	42.8	120.1	54.3	89.0	2.4	57.5	107.8	81	707.9	34.4	339	41.5	52.0	52.0	
1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AVERAGE	35.2	34.9	37.2	44.2	56.1	47.9	44.5	36.4	30.1	42.5	58.8	46.7								
STD DEV	22.3	20.1	24.8	23.3	27.2	27.1	34.6	25.7	29.3	31.4	39.3	32.1								

O 42



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Vardar  
64  
41° 21'  
614.2

GAUGING STATION  
ELEVATION  
LONGITUDE

RST043\_Udovo  
75  
22° 26'

Total Monthly Rainfall

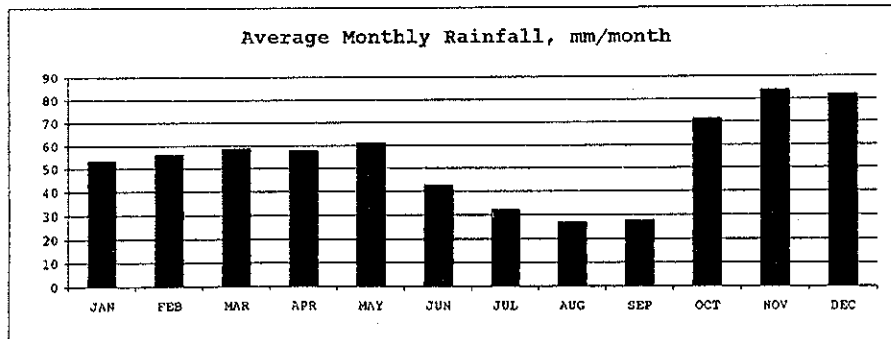
Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1961	32.4	8.5	41.9	41.9	55.6	31.2	12.4	0.1	-	32.7	31.6	25.6
1962	51.8	58.5	162.0	82.6	19.2	115.1	28.3	-	13.2	243.1	191.9	42.4
1963	94.5	159.4	45.0	48.3	102.6	44.7	7.9	8.6	16.1	96.0	73.6	51.3
1964	18.4	19.5	96.5	61.7	132.5	29.7	29.7	18.4	56.5	103.4	117.0	82.8
1965	130.5	57.8	39.1	63.2	31.8	11.3	14.0	26.9	-	-	34.1	81.6
1966	94.6	53.2	30.0	21.2	43.4	60.0	-	22.6	7.7	71.4	120.0	145.1
1967	31.7	6.3	-	26.5	98.3	57.3	94.5	15.3	14.1	73.6	27.7	41.2
1968	56.9	87.5	3.9	6.0	133.3	83.5	-	15.5	12.8	58.5	138.0	111.0
1969	89.2	126.9	130.9	30.7	19.1	29.5	16.1	6.6	24.7	-	8.7	236.8
1970	62.4	61.4	109.3	31.7	81.7	25.8	70.5	11.7	-	60.4	19.7	25.4
1971	44.5	62.5	194.5	31.0	68.3	41.3	32.5	15.5	38.7	33.5	21.5	49.4
1972	61.9	101.6	49.9	63.3	29.2	35.1	38.8	22.6	73.2	104.4	11.5	9.9
1973	53.2	60.0	70.6	77.5	43.9	17.2	43.9	38.4	-	-	-	-
1974	63.9	91.2	71.3	76.2	72.8	23.9	11.5	4.4	46.4	69.6	77.1	117.9
1975	-	25.1	43.7	7.7	42.6	112.4	20.4	28.2	5.1	79.2	66.2	19.8
1976	17.0	66.8	37.1	52.2	108.1	52.2	63.0	26.5	0.5	149.9	-	-
1977	47.8	47.7	37.1	25.0	59.8	82.0	49.8	45.4	8.3	5.0	85.9	26.8
1978	55.0	66.7	62.3	141.7	117.4	2.2	2.2	45.7	88.6	165.7	-	88.4
1979	58.5	49.6	35.3	80.3	54.6	50.2	7.5	64.6	65.6	85.0	232.0	59.5
1980	73.0	8.4	61.3	76.4	177.4	37.3	29.0	21.2	50.6	279.9	78.1	138.8
1981	39.8	37.6	31.6	53.6	14.7	8.8	47.4	29.6	41.9	68.2	159.7	110.4
1982	10.8	57.1	61.8	107.0	42.9	13.8	36.2	112.4	39.4	60.0	181.2	138.9
1983	2.6	20.0	14.3	59.7	36.0	170.0	35.3	16.5	61.8	14.6	82.9	133.5
1984	59.2	124.0	82.5	40.7	15.2	27.1	3.0	46.6	37.4	0.3	76.4	85.8
1985	87.5	33.9	96.0	33.9	62.3	14.8	2.6	20.1	4.1	15.6	189.2	6.5
1986	70.2	-	37.1	6.9	132.7	44.1	23.6	54.1	5.3	22.3	49.1	23.4
1987	54.0	104.9	107.8	80.3	36.9	78.8	12.3	25.3	3.8	56.3	114.5	53.2
1988	12.3	74.5	48.0	29.0	51.6	12.6	28.2	5.4	3.2	23.9	97.1	61.0
1989	-	6.0	22.5	83.1	24.9	56.5	63.3	11.9	3.2	90.0	69.1	53.1
1990	0.2	14.4	0.1	93.3	28.9	16.1	3.2	28.7	8.8	24.2	28.8	221.6
1991	11.2	87.4	26.3	89.5	35.5	26.5	83.7	31.8	40.9	32.1	63.8	10.4
1992	12.8	1.4	11.1	110.1	37.7	57.9	36.8	-	11.1	57.2	38.6	57.4
1993	16.9	16.5	34.0	17.4	41.1	17.5	1.5	4.1	4.8	42.8	87.5	39.9
1994	100.1	85.3	16.8	124.6	66.9	10.3	30.1	22.5	11.3	48.6	26.1	186.1
1995	67.6	7.6	93.7	38.2	52.7	22.9	87.4	35.8	57.2	11.6	81.7	163.6
1996	124.0	72.3	41.9	67.8	30.8	5.6	23.1	-	-	-	-	-
AVERAGE	53.1	56.0	58.5	57.8	61.2	42.4	32.1	26.8	27.7	71.2	83.8	81.8

N. Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
69	313.9	27.3	63	37.0	37.0	37.0
84	1008.1	174.4	304	207.4	221.9	234.7
121	748.0	35.2	33	59.4	72.4	93.9
93	766.1	71.5	152	86.7	87.8	88.4
85	490.3	39.0	20	58.1	95.0	112.1
89	669.2	62.5	341	103.4	110.6	111.5
72	486.5	60.7	304	72.9	73.5	76.5
86	706.9	37.6	49	53.4	65.7	77.1
102	719.2	52.0	76	63.5	72.4	72.4
82	560.0	39.1	64	40.2	50.3	50.3
87	633.2	64.1	88	105.6	131.7	132.3
106	601.4	33.0	111	34.6	36.0	41.2
63	404.7	30.8	134	30.8	35.2	40.8
90	728.2	45.6	312	86.3	86.3	86.3
73	450.4	38.5	172	70.6	90.8	96.4
81	573.3	56.2	292	75.3	81.1	82.0
82	520.6	42.2	168	58.6	64.7	65.0
106	835.9	71.6	302	138.0	145.1	145.3
111	842.7	103.0	323	107.0	159.5	163.5
122	1031.4	80.5	355	123.9	173.5	182.7
108	643.3	87.6	320	121.1	121.1	121.1
102	861.5	72.0	322	103.6	132.6	137.4
90	647.2	61.5	337	80.1	89.4	98.1
99	598.2	60.7	360	69.6	82.1	85.2
80	566.5	53.2	329	87.3	92.4	103.3
88	468.8	41.0	144	41.0	49.9	50.6
91	728.1	47.5	82	78.8	78.8	78.8
82	446.8	38.1	151	49.7	58.6	62.0
72	483.6	37.9	311	60.5	84.5	84.5
77	468.3	38.1	341	46.3	57.3	79.1
91	539.1	36.0	268	42.0	42.0	49.7
71	432.2	38.7	345	51.3	52.9	53.6
83	324.0	22.8	320	23.1	33.0	34.1
100	728.7	102.3	359	150.5	164.3	166.7
116	720.0	46.8	189	60.7	64.8	76.1
64	365.5	40.7	2	55.3	55.3	55.3

STD DEV	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	33.7	39.3	43.6	33.7	39.8	35.7	25.5	21.6	25.0	63.3	58.0	61.2

043



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Strumica  
251  
41° 38'  
398.8

GAUGING STATION  
ELEVATION

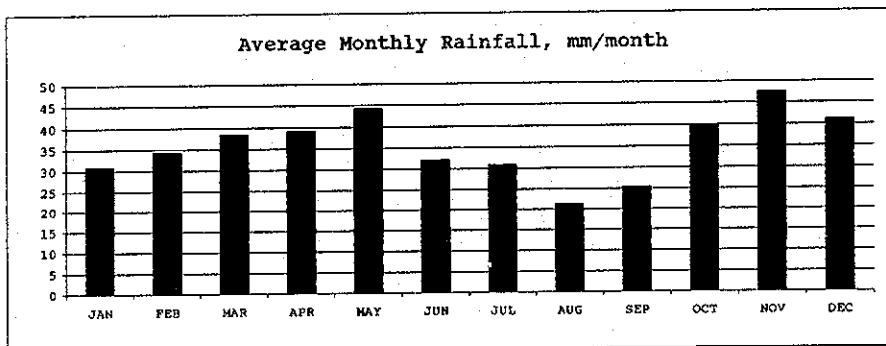
RST044\_Radovich - K1  
380

LONGITUDE

22° 27'

Total Monthly Rainfall												Units: mm								
Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N. Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day	
1961	21.4	15.3	26.7	26.7	48.3	46.3	21.3	-	0.3	11.0	95.6	45.7	59	350.6	35.2	311	67.2	79.2	79.2	
1962	31.9	48.8	166.9	56.9	18.2	30.8	36.2	32.1	8.6	95.9	173.6	101.4	88	801.3	45.3	320	78.5	86.4	91.6	
1963	97.3	138.8	63.3	29.0	111.1	26.9	13.2	7.2	37.4	72.2	41.2	54.4	106	692.0	27.3	150	34.8	46.0	47.2	
1964	10.3	19.4	84.7	60.0	105.9	29.8	32.4	32.8	94.6	44.4	85.6	36.6	111	636.5	46.9	117	51.8	62.1	62.1	
1965	70.2	56.0	32.2	55.1	51.1	38.6	19.0	51.6	8.6	4.7	35.1	60.0	92	482.2	19.3	227	32.9	47.8	56.9	
1966	129.4	54.0	45.6	42.2	44.5	52.4	1.5	8.0	25.9	32.9	87.0	107.6	97	631.0	58.2	1	58.2	60.5	67.5	
1967	37.7	3.6	25.8	35.8	43.5	51.2	131.1	-	42.5	44.6	38.1	57.0	84	547.5	46.0	192	72.5	82.1	82.7	
1968	49.1	59.8	11.3	3.6	85.6	83.4	-	28.0	31.2	14.5	99.3	63.6	93	529.4	33.2	320	43.1	43.5	47.5	
1969	51.8	84.9	82.9	39.9	8.0	41.1	24.9	24.6	7.6	-	6.7	108.5	108	470.9	32.5	159	33.0	33.3	37.2	
1970	30.2	65.7	48.2	31.5	86.0	20.5	100.0	6.4	7.6	71.2	8.3	19.0	112	494.6	35.5	188	41.9	46.0	48.2	
1971	39.2	40.6	131.4	19.4	69.9	24.8	58.7	29.9	61.8	20.4	26.9	23.4	101	536.4	57.5	88	78.1	89.2	89.6	
1972	26.8	56.8	19.8	68.3	36.1	27.5	69.7	36.3	132.1	107.8	19.0	2.1	112	602.3	41.6	256	46.0	65.4	66.1	
1973	25.8	42.0	58.6	86.2	15.7	10.8	84.8	29.9	-	-	-	-	79	353.8	40.2	183	49.3	68.0	70.9	
1974	41.5	67.1	42.6	41.9	62.3	53.5	3.0	4.5	36.5	51.5	43.6	36.2	105	486.2	32.4	295	35.5	35.5	35.5	
1975	5.2	12.3	27.8	4.1	45.6	77.4	34.1	45.4	19.5	68.9	53.8	9.1	88	403.2	33.4	324	41.1	50.8	53.8	
1976	12.3	12.5	14.0	31.4	64.3	43.1	19.9	44.0	5.6	74.2	-	-	88	321.3	27.1	292	39.3	40.0	43.9	
1977	14.1	16.0	11.8	28.3	30.8	38.4	11.5	17.5	8.8	9.0	29.0	5.8	63	220.0	18.0	331	18.5	21.2	21.2	
1978	23.7	40.7	29.4	48.1	92.0	21.8	1.4	1.3	34.4	11.3	15.6	5.4	79	325.1	21.5	141	25.0	36.0	43.5	
1979	5.9	9.0	4.5	24.0	17.8	40.0	13.8	36.1	24.2	16.5	80.5	1.8	81	274.1	27.0	323	29.5	48.0	50.5	
1980	18.1	1.0	44.3	16.3	56.5	18.1	36.0	12.0	35.0	122.3	33.0	56.6	76	449.2	36.0	294	53.4	78.4	79.7	
1981	16.0	31.0	4.2	24.1	12.3	22.6	28.2	7.4	30.5	56.1	47.1	36.2	59	315.7	27.0	298	38.0	38.0	38.0	
1982	4.4	15.7	16.0	22.5	28.3	6.0	10.7	13.2	4.5	14.5	38.1	30.2	54	204.1	13.6	321	26.1	31.1	35.1	
1983	2.7	8.9	4.3	-	14.7	78.0	29.1	33.9	19.2	14.6	36.8	-	50	242.2	27.0	175	33.0	33.0	33.0	
1984	15.3	34.0	28.5	12.0	7.1	8.6	5.5	26.1	16.4	2.2	20.8	-	47	176.5	14.0	230	20.0	20.0	20.0	
1985	-	-	-	15.6	44.6	0.5	3.2	13.2	1.1	10.8	92.1	26.6	58	207.7	13.2	146	16.5	20.5	26.5	
1986	15.5	-	11.7	12.8	25.6	13.5	11.0	7.7	3.0	7.0	15.4	11.9	60	135.1	10.0	131	10.5	10.5	11.0	
1987	47.4	14.7	112.6	23.5	26.6	5.0	-	-	5.0	15.7	34.5	33.7	67	318.7	36.3	82	64.3	72.1	72.1	
1988	6.9	12.8	35.3	12.4	7.7	19.5	7.9	3.6	7.4	8.5	73.0	35.8	62	230.8	17.8	309	23.9	23.9	27.8	
1989	-	13.0	12.7	45.5	46.6	67.5	-	-	7.4	61.3	28.2	20.4	52	302.6	33.5	283	42.2	48.5	52.8	
1990	-	2.1	3.4	113.6	19.7	7.9	10.5	30.3	3.8	20.7	25.9	92.4	61	338.3	43.5	101	55.0	56.4	57.7	
1991	13.5	44.9	20.5	90.4	58.9	15.9	18.6	12.7	53.2	51.1	33.5	5.9	70	419.1	37.0	268	40.7	40.7	43.8	
1992	2.4	-	0.6	-	25.9	41.3	33.3	18.7	0.6	36.3	30.2	28.4	44	217.7	14.8	320	20.0	22.3	22.3	
1993	30.9	9.3	39.4	33.6	45.5	21.0	3.1	7.7	4.8	39.5	59.0	18.4	52	312.2	31.2	89	31.2	31.6	31.6	
1994	49.7	51.5	6.6	91.0	27.7	22.5	10.5	16.4	25.5	47.0	3.6	40.9	69	392.9	20.5	10	31.4	31.4	34.7	
1995	37.4	10.6	36.1	41.8	60.0	14.5	99.7	15.4	59.9	-	57.4	95.5	66	528.3	35.2	200	41.9	54.8	65.0	
1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AVERAGE	30.8	34.2	38.3	39.0	44.1	32.0	30.7	21.1	25.3	39.6	47.5	41.0								
STD DEV	27.8	29.7	38.3	26.6	28.0	21.6	32.7	14.0	28.5	31.9	35.2	32.1								

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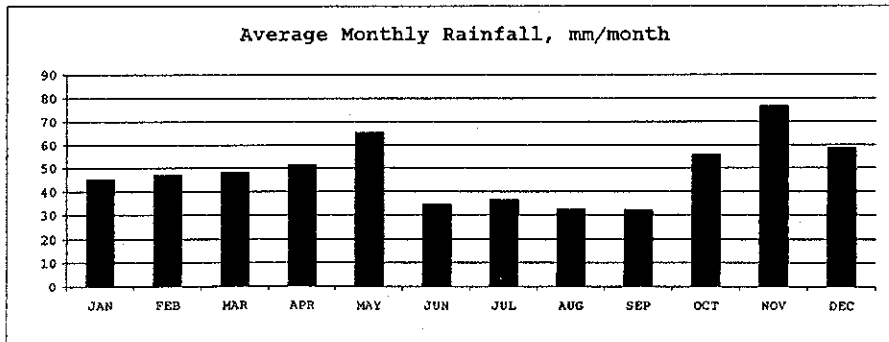
LOCATION Vardar GAUGING STATION RST045\_Valandovo  
 STATION ID 70 ELEVATION 100  
 REGISTRY NUMBER  
 LATITUDE 41° 19' LONGITUDE 22° 34'  
 AVERAGE ANNUAL TOTAL 553.0

Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N_wet	Av Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	28.9	13.0	17.9	17.9	36.8	43.2	7.4	-	1.2	39.6	143.1	38.2	57	387.2	70.6	310	98.2	122.7	122.7
1962	43.8	63.9	135.1	78.9	15.0	56.2	15.0	63.4	14.2	136.0	237.1	71.1	77	929.7	86.8	304	113.0	119.5	141.3
1963	88.1	109.8	41.1	37.4	203.7	44.0	41.5	-	34.3	63.7	69.7	50.1	100	783.4	61.8	138	78.6	80.2	82.2
1964	21.8	15.3	73.2	74.4	96.1	67.2	40.2	23.6	66.4	69.1	134.7	36.0	82	718.0	65.6	117	65.6	73.8	79.8
1965	114.6	39.5	54.5	54.9	23.6	20.8	9.0	33.5	-	0.9	25.9	32.1	70	409.3	30.2	20	53.0	68.2	87.6
1966	140.8	61.5	41.0	15.7	72.7	63.7	13.4	21.4	41.6	74.1	135.5	133.5	81	814.9	50.4	44	86.1	92.3	92.3
1967	39.1	-	-	25.7	126.3	30.7	167.1	26.3	52.2	57.1	51.8	31.8	66	608.1	59.5	192	76.5	83.3	89.7
1968	55.9	66.2	5.7	6.2	89.5	54.6	1.2	34.2	17.1	25.1	131.9	79.3	69	566.9	51.2	320	63.2	63.2	71.6
1969	64.4	82.9	75.8	28.2	27.3	26.1	17.8	8.9	17.4	-	3.9	201.4	75	554.1	35.4	336	62.0	69.0	69.0
1970	37.2	39.3	96.5	48.7	100.2	30.0	32.4	-	16.4	72.0	10.3	27.9	63	510.9	30.4	123	34.2	50.0	51.8
1971	24.9	58.2	141.5	23.5	47.4	8.6	35.6	40.1	40.6	41.6	14.6	38.9	75	515.5	57.5	88	80.9	84.5	84.5
1972	44.1	78.4	39.3	112.1	66.8	28.6	47.5	61.6	54.4	129.5	17.7	0.0	83	680.0	44.5	99	50.0	50.0	50.0
1973	39.1	33.5	75.7	43.2	15.2	4.6	68.2	51.7	-	-	-	-	56	331.2	32.4	183	32.4	32.5	34.9
1974	52.1	87.8	43.2	69.7	56.0	20.5	2.0	10.8	47.6	71.3	67.8	70.8	72	599.6	37.0	295	50.7	51.1	52.9
1975	65.3	16.0	47.4	7.8	60.8	48.8	42.7	59.5	7.8	63.0	64.6	12.4	64	496.1	53.0	1	53.0	53.0	53.0
1976	31.7	46.1	30.0	41.5	81.1	66.5	92.7	28.6	4.2	73.9	-	-	68	496.3	33.0	293	51.4	55.8	55.8
1977	37.6	42.5	30.8	21.4	73.8	102.1	32.0	56.0	10.6	5.8	55.9	18.2	61	486.7	44.6	168	59.6	59.6	59.6
1978	32.3	51.2	41.0	94.2	102.7	7.5	7.5	69.6	116.0	101.6	22.3	55.6	82	701.5	53.5	302	87.1	88.6	88.6
1979	29.9	39.5	23.5	76.5	93.8	16.2	2.6	69.9	47.6	71.2	173.0	35.9	86	679.6	49.2	323	50.5	75.8	75.8
1980	29.8	11.4	59.5	33.5	236.4	31.0	13.0	18.9	40.8	175.6	59.5	75.4	86	784.8	124.0	132	127.8	132.0	135.8
1981	32.0	42.3	31.7	47.4	22.2	16.6	30.2	56.3	12.2	72.6	135.0	104.5	71	603.0	78.8	320	91.3	91.3	91.3
1982	10.4	43.3	35.0	144.6	15.2	20.4	22.3	16.8	28.2	67.6	130.9	69.7	79	604.4	51.0	322	81.8	100.8	105.3
1983	9.8	23.1	4.3	70.6	59.8	164.3	86.2	12.2	42.8	16.6	96.6	104.7	70	691.0	48.5	92	59.3	60.9	70.8
1984	50.3	80.5	45.0	30.5	17.1	10.8	5.0	59.8	33.6	-	51.6	69.2	74	453.4	46.0	360	52.5	61.1	67.6
1985	90.7	19.5	83.0	17.4	51.6	9.6	1.0	14.6	7.7	13.8	156.2	4.0	65	469.1	51.4	329	64.4	74.0	81.0
1986	44.2	-	35.8	0.8	81.5	42.0	25.8	7.9	14.7	17.0	28.9	25.6	72	324.2	22.2	121	25.2	26.7	26.7
1987	60.2	128.4	107.8	20.6	40.8	16.1	1.1	26.7	4.1	62.0	106.7	29.4	66	603.9	48.4	55	70.8	77.0	95.9
1988	8.9	59.2	52.2	30.8	28.3	20.4	4.4	-	-	23.7	100.5	49.9	54	378.3	28.4	58	41.2	49.0	49.0
1989	-	20.6	23.4	49.4	23.3	66.9	83.4	17.9	-	71.5	23.6	17.3	55	397.3	35.6	185	44.5	65.3	66.5
1990	-	6.7	2.4	137.7	50.7	7.5	6.5	28.3	9.0	32.3	28.4	181.5	64	491.0	65.6	101	72.1	72.1	75.1
1991	12.8	26.6	26.6	64.2	37.9	34.8	67.4	18.9	45.0	39.8	41.2	6.6	59	421.8	45.0	268	45.0	45.0	45.0
1992	7.0	-	4.0	115.3	45.1	18.6	12.1	-	4.0	40.0	49.0	44.6	46	339.7	36.5	103	61.9	63.4	63.4
1993	29.0	15.2	31.8	19.2	97.3	12.2	6.4	1.0	5.8	54.6	84.2	29.3	59	386.0	35.5	145	51.9	51.9	51.9
1994	-	73.0	18.0	93.1	46.1	6.9	52.3	5.4	-	46.9	29.4	98.0	56	469.1	39.2	358	70.2	80.0	83.5
1995	64.4	6.0	88.7	28.0	70.6	7.8	199.3	51.2	95.5	2.5	62.6	120.0	77	796.6	154.6	189	158.0	158.0	158.0
1996	43.0	43.1	21.9	59.6	37.6	22.1	18.9	9.0	60.8	17.5	61.4	32.2	70	427.1	30.0	96	30.5	32.5	32.9
AVERAGE	45.0	46.8	48.1	51.1	65.3	34.7	36.4	32.4	32.1	56.0	76.6	58.7							
STD DEV	29.8	30.1	34.8	36.8	48.2	31.7	44.5	21.4	27.6	39.1	55.3	47.5							

045



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Strumica  
247  
41° 43'  
724.7

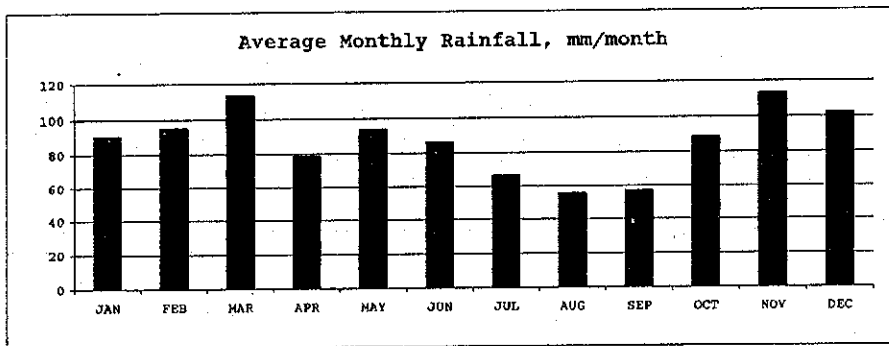
GAUGING STATION  
ELEVATION  
LONGITUDE

RST046\_Novo Selo - rad  
860

22° 35'

Total Monthly Rainfall												Units: mm							
Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N_Wet	Av_Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	38.0	31.6	49.8	49.8	150.7	66.1	19.1	-	2.5	26.1	157.6	55.8	58	647.1	55.1	121	78.8	107.3	107.3
1962	48.0	69.3	259.5	100.8	40.2	61.4	44.5	11.5	47.6	142.9	328.5	70.3	94	1224.5	76.3	320	102.0	130.9	151.8
1963	197.5	251.2	127.7	29.9	173.4	199.9	62.1	15.9	23.1	119.5	64.5	87.0	113	1351.7	60.2	34	70.5	90.7	107.0
1964	7.6	86.2	167.2	69.8	136.5	67.2	41.9	58.6	73.7	88.8	156.6	121.2	98	1075.3	46.3	266	70.2	77.7	77.7
1965	122.0	88.4	69.4	134.3	61.6	69.8	46.3	111.6	14.4	-	91.3	223.5	90	1032.6	56.4	227	66.7	74.3	97.5
1966	172.3	117.4	77.8	74.1	84.3	138.2	26.3	37.0	62.1	63.0	211.9	156.1	96	1220.5	75.3	44	92.6	92.6	105.1
1967	90.4	25.2	41.7	65.3	119.1	98.9	152.1	63.9	56.9	-	58.0	115.0	76	886.5	45.6	192	58.1	67.8	96.6
1968	64.8	-	-	-	134.8	148.9	3.5	62.4	-	21.0	132.3	105.6	56	673.3	59.4	320	66.1	68.9	74.2
1969	92.3	133.6	138.9	76.2	17.5	83.7	73.7	51.4	21.3	-	48.6	244.5	94	981.7	43.7	37	57.1	61.0	77.5
1970	103.5	108.3	150.1	121.7	55.1	41.0	96.3	27.6	33.2	142.8	40.3	65.0	89	984.9	55.4	296	77.7	77.7	77.7
1971	81.4	60.0	159.7	35.8	102.7	79.1	57.2	71.7	116.3	56.8	81.9	33.7	92	936.3	46.0	325	52.2	66.2	72.4
1972	105.4	75.8	30.0	60.0	85.2	41.5	131.6	65.1	170.1	201.6	46.7	0.0	99	1013.0	47.5	296	53.1	53.1	60.9
1973	-	88.4	95.8	99.7	26.1	23.3	116.6	174.2	-	-	-	-	58	624.1	102.2	239	124.2	128.7	160.7
1974	51.5	99.6	103.5	103.2	126.6	89.4	26.8	37.8	61.5	90.9	51.4	46.2	95	889.4	35.0	66	47.0	61.6	69.0
1975	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1976	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1977	-	-	-	-	-	-	-	17.5	-	-	-	-	2	17.5	10.0	219	10.0	10.0	10.0
1978	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1979	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	24.6	-	-	-	-	1	24.6	24.6	232	24.6	24.6	24.6
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	-	-	-	-	-	-	123.8	-	-	-	-	-	11	123.8	32.4	197	39.7	42.0	43.4
1992	-	-	-	-	-	-	43.2	-	-	-	-	-	3	43.2	25.6	206	27.7	41.1	43.2
1993	-	-	-	-	-	-	-	-	-	21.0	-	-	2	21.0	16.4	278	16.4	16.4	16.4
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>AVERAGE</b>	90.4	95.0	113.2	78.5	93.8	86.3	66.6	55.4	56.9	88.6	113.0	101.8							
<b>STD DEV</b>	52.6	56.2	63.5	31.8	48.7	47.6	44.6	42.3	47.2	58.5	84.1	71.6							

046



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Dojran.Ez.  
294  
41° 13'  
593.8

GAUGING STATION  
ELEVATION  
LONGITUDE

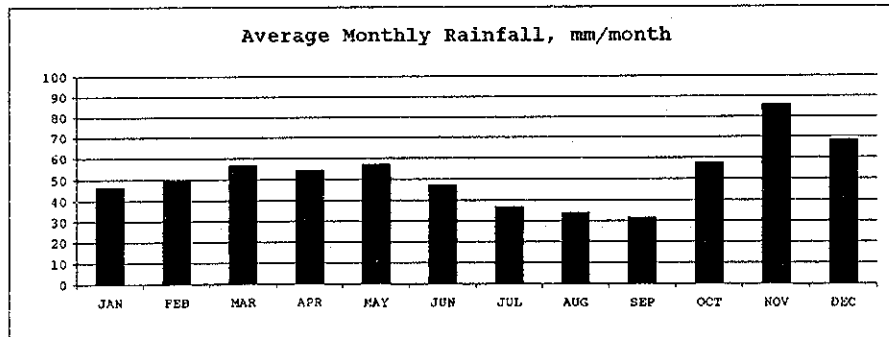
RST047\_Novi Dojran - kl  
180  
22° 43'

Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N.Wet	Av Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	31.4	11.2	17.1	17.1	64.7	23.4	7.1	-	2.0	26.4	160.3	39.0	60	399.7	82.0	310	109.8	129.1	132.4
1962	33.2	38.7	109.0	82.8	20.6	46.1	18.0	6.7	16.8	72.5	261.1	147.0	97	852.5	53.8	307	60.8	74.3	90.8
1963	89.0	148.7	43.1	79.3	109.7	47.3	55.4	8.7	26.0	51.7	64.4	64.5	101	787.8	38.1	205	45.0	56.4	71.5
1964	21.0	17.3	118.3	22.3	82.0	16.8	45.3	30.5	76.7	100.2	163.8	53.7	78	747.9	69.0	295	72.2	92.2	99.7
1965	84.8	42.8	71.2	85.8	17.1	9.2	18.6	27.5	1.0	-	32.0	64.5	65	454.5	31.2	20	43.1	56.7	60.4
1966	102.1	71.5	33.7	49.1	30.4	65.6	13.2	20.2	49.4	79.7	141.6	128.1	87	784.6	53.4	44	69.1	75.1	76.1
1967	42.2	3.0	-	27.2	118.7	33.2	77.6	19.6	19.4	50.4	25.8	32.6	59	449.7	36.0	192	58.1	59.0	71.1
1968	44.9	80.3	0.9	8.5	69.2	92.0	0.3	11.2	6.9	30.2	127.7	86.4	69	558.5	39.0	320	58.6	62.8	67.0
1969	53.4	116.3	116.7	30.5	6.9	48.3	11.7	17.2	50.1	4.2	5.4	185.3	91	646.0	45.6	251	54.8	67.0	76.0
1970	48.5	43.5	85.0	25.7	68.8	81.1	89.0	4.6	27.0	81.3	11.5	22.5	72	588.5	64.0	188	72.0	83.0	89.0
1971	24.7	61.2	132.6	33.5	48.8	16.2	29.4	38.2	-	-	9.5	66.2	60	460.3	56.2	88	76.3	84.5	84.5
1972	26.1	75.5	68.9	91.1	31.5	20.0	66.5	82.0	79.0	134.0	21.0	0.0	89	695.6	48.0	244	57.0	57.0	57.0
1973	55.0	46.0	91.5	58.0	11.0	9.1	68.5	56.0	-	-	-	-	45	395.1	30.5	193	32.0	43.0	43.0
1974	70.0	70.0	69.6	66.5	64.9	33.5	11.3	1.0	49.0	38.0	110.0	15.0	70	598.8	37.0	312	52.0	52.0	53.0
1975	22.5	36.0	52.0	8.0	84.0	134.0	51.0	22.0	6.8	59.0	72.0	19.0	59	566.3	36.0	171	66.0	94.0	100.0
1976	18.0	67.7	41.4	35.5	128.0	77.0	69.5	16.1	15.0	170.5	-	-	61	638.7	60.0	292	83.0	86.0	89.0
1977	53.0	34.7	48.1	23.8	88.0	82.7	22.5	82.0	13.0	2.0	58.5	22.0	54	530.3	61.0	219	63.0	63.0	63.0
1978	57.1	53.1	26.0	113.0	94.0	8.0	1.0	69.0	85.4	98.7	36.0	60.5	77	701.8	54.0	301	96.0	86.7	86.7
1979	38.0	35.0	31.2	89.3	51.4	13.8	14.0	107.7	52.0	78.1	77.7	41.1	68	630.3	52.0	250	60.5	60.5	60.5
1980	67.9	6.0	68.5	32.1	111.1	72.9	30.3	27.0	61.9	150.5	59.2	130.4	71	817.8	64.5	355	73.1	101.8	104.2
1981	24.5	45.4	45.5	29.2	27.1	21.2	21.2	60.4	58.0	44.5	129.0	108.6	67	614.6	45.0	358	79.0	79.0	79.0
1982	14.6	58.8	71.5	131.4	26.9	15.8	26.8	84.1	43.0	53.6	165.7	97.4	72	789.6	66.0	322	104.5	120.5	130.5
1983	10.6	23.7	10.0	17.8	30.6	160.2	57.2	21.0	35.6	19.1	81.1	112.4	58	579.3	50.6	175	71.6	71.6	76.0
1984	60.7	91.2	70.0	44.0	7.6	39.0	60.7	31.4	9.6	3.8	79.2	64.2	73	561.4	40.0	360	54.6	59.4	61.6
1985	53.5	6.9	96.0	30.0	58.0	5.0	4.2	23.7	7.0	10.2	198.2	3.6	53	496.3	68.0	329	94.0	94.0	97.4
1986	60.9	-	55.7	3.2	79.2	59.7	12.3	34.8	20.4	7.8	36.6	15.9	61	386.5	27.0	144	28.6	30.2	31.8
1987	72.9	70.2	114.9	63.8	55.2	53.4	31.6	32.2	5.6	78.6	113.9	31.8	78	724.1	54.2	82	85.4	89.6	89.6
1988	20.3	60.8	38.4	40.4	20.0	20.0	5.4	-	3.4	30.2	133.1	57.8	59	429.8	26.0	58	42.0	52.0	53.4
1989	-	5.0	25.6	45.9	43.9	83.9	59.9	1.6	3.4	50.0	50.6	54.0	56	423.8	37.0	363	39.0	45.0	45.0
1990	-	13.4	3.3	138.3	49.1	32.6	29.0	63.8	12.0	43.6	36.2	215.9	64	637.2	55.0	101	88.0	88.0	90.4
1991	7.7	46.1	30.6	84.6	55.2	16.7	88.8	34.4	38.8	35.4	78.4	2.6	73	539.3	42.0	188	53.0	54.8	54.8
1992	12.0	-	17.7	111.3	49.6	84.7	20.6	-	17.7	62.5	51.6	35.6	59	463.3	30.2	180	52.6	54.4	64.2
1993	25.2	18.6	43.1	21.4	110.7	28.6	1.2	1.4	5.8	83.1	116.2	23.9	70	479.2	56.0	278	57.0	61.2	63.7
1994	-	79.5	17.1	135.0	53.9	-	58.0	32.0	12.0	56.0	45.5	103.5	66	592.5	38.0	359	71.0	83.0	85.0
1995	62.6	3.4	58.6	21.8	33.6	6.0	104.5	39.2	74.8	-	107.4	163.5	70	675.4	54.0	189	63.0	65.8	85.7
1996	117.5	82.0	49.4	51.4	40.7	89.5	39.0	8.5	82.4	25.5	62.9	50.2	80	699.4	66.0	165	78.0	78.0	78.0
AVERAGE	46.2	49.0	56.3	54.1	56.7	47.0	36.7	33.8	31.4	57.2	86.0	68.2							
STD DEV	27.5	33.9	35.0	38.2	33.1	37.5	28.6	27.4	27.0	41.5	59.2	54.4							

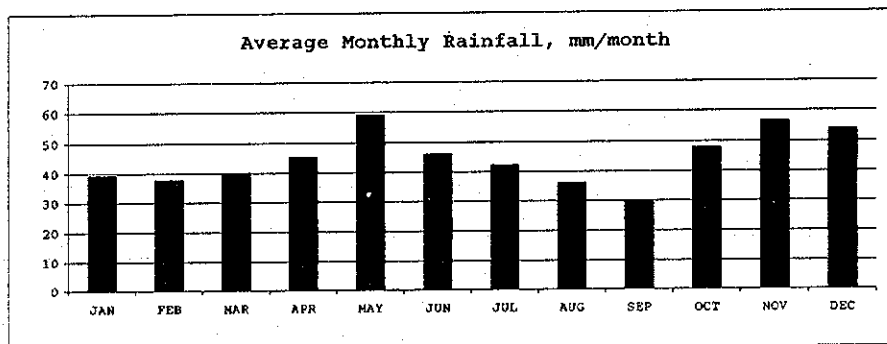
0 47



LOCATION Strumica GAUGING STATION RST048\_Hamzali  
 STATION ID 256 ELEVATION 290  
 REGISTRY NUMBER  
 LATITUDE 41° 30' LONGITUDE 22° 45'  
 AVERAGE ANNUAL TOTAL 492.9

Total Monthly Rainfall													Units: mm						
Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N_Wet	Av_Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	14.5	13.8	12.9	12.9	100.6	57.5	13.4	4.1	4.3	32.0	100.6	29.0	57	395.6	41.0	310	69.1	69.3	69.3
1962	46.7	47.3	131.2	52.7	60.0	46.3	18.3	13.4	2.0	59.4	151.4	73.0	93	701.7	44.0	320	69.0	73.9	86.6
1963	91.8	68.8	32.3	63.6	70.3	43.4	18.4	0.1	19.3	27.5	14.1	30.4	101	480.0	35.0	150	36.4	42.1	45.2
1964	-	13.6	81.2	39.4	53.9	47.6	29.1	16.8	92.5	65.7	86.8	27.2	76	563.8	44.0	61	60.2	65.2	65.2
1965	76.5	52.7	33.9	41.4	56.0	23.1	0.1	27.4	-	-	26.4	84.6	73	432.1	38.7	22	46.1	46.1	43.5
1966	90.1	62.4	42.3	36.5	95.5	51.0	10.9	7.1	44.0	28.4	117.6	73.4	78	659.2	38.5	263	44.5	45.6	61.3
1967	33.1	3.7	-	-	51.1	59.7	115.6	59.7	29.8	34.6	22.6	35.3	59	445.2	62.0	192	69.4	69.4	69.4
1968	40.9	61.6	17.3	1.2	53.3	90.3	-	9.6	29.8	13.1	105.8	70.7	75	493.6	28.1	320	48.0	53.5	53.5
1969	48.4	77.0	77.7	36.1	7.9	26.3	21.8	17.3	14.7	-	3.8	129.6	85	460.6	27.4	343	38.1	42.3	44.6
1970	27.4	35.6	39.3	62.8	123.4	8.5	137.6	8.8	39.0	59.0	17.8	17.0	90	576.2	48.0	188	53.0	65.1	68.2
1971	31.5	64.0	84.4	13.4	66.3	34.3	53.2	41.9	39.2	36.5	11.4	50.0	93	526.1	32.0	88	46.0	47.0	52.5
1972	26.3	51.7	20.6	98.7	37.9	17.7	43.4	36.2	100.7	140.1	29.3	0.0	97	602.6	37.5	112	49.0	56.0	56.0
1973	29.6	43.7	47.5	61.3	32.5	35.9	73.9	57.1	-	-	-	-	67	381.5	30.0	183	39.5	43.0	45.5
1974	53.6	80.3	52.8	60.7	79.8	55.8	17.5	7.5	19.7	36.3	36.3	41.2	90	541.5	30.0	51	43.5	43.6	43.6
1975	-	20.0	58.7	13.4	64.4	85.0	46.3	44.0	3.0	64.7	48.7	11.7	71	459.9	26.2	81	42.0	47.0	49.0
1976	17.9	15.1	26.1	39.4	87.8	63.2	192.2	64.3	3.5	110.1	-	-	73	529.6	60.0	207	60.0	60.5	60.5
1977	14.0	35.7	30.3	26.1	53.6	89.0	47.3	67.3	24.5	3.5	40.1	16.0	71	447.4	32.0	227	32.3	32.3	32.3
1978	28.4	-	47.4	76.7	116.0	28.0	0.3	33.8	96.7	74.9	24.5	51.2	89	577.9	37.2	301	57.5	62.5	62.5
1979	24.2	36.1	8.3	88.3	62.9	47.8	28.1	102.6	31.2	81.0	90.5	20.5	105	621.5	36.0	242	47.0	58.7	60.1
1980	51.9	4.0	33.6	32.3	103.8	45.9	37.1	15.9	64.6	132.0	37.5	84.4	114	643.0	42.1	269	67.7	95.2	105.0
1981	21.5	42.2	20.0	30.4	34.3	61.5	24.3	52.6	64.9	68.8	99.5	90.9	90	610.8	49.1	320	68.1	68.1	68.1
1982	17.6	37.1	45.8	61.1	36.1	41.3	18.7	46.0	35.0	36.6	121.1	90.3	84	586.7	61.5	322	81.5	97.0	100.0
1983	3.3	5.0	6.8	24.5	63.4	181.7	57.9	55.3	32.4	22.0	76.7	131.3	88	660.3	40.0	164	57.1	80.6	100.6
1984	40.0	79.5	58.2	23.9	54.5	16.5	5.8	99.1	35.7	0.8	24.9	30.8	96	469.7	43.0	135	43.0	49.6	51.6
1985	37.9	22.6	63.6	27.5	46.5	39.8	1.1	25.0	10.5	6.8	134.4	6.0	80	421.7	41.2	328	61.2	64.4	65.6
1986	62.0	-	31.4	17.0	49.9	31.4	-	4.5	8.2	18.9	13.5	6.3	49	243.1	22.0	17	24.0	24.0	24.0
1987	62.5	53.7	50.1	70.2	26.8	19.0	2.3	40.5	3.1	56.7	93.4	36.9	65	515.2	33.0	213	48.8	52.0	52.0
1988	4.5	34.1	36.7	10.7	26.4	43.3	20.0	-	3.0	11.7	96.3	56.3	40	343.0	25.0	166	38.0	48.0	48.0
1989	-	8.1	9.0	60.2	37.8	52.1	72.6	22.0	3.0	32.8	4.3	42.7	43	344.6	36.5	185	36.5	43.0	43.0
1990	-	7.5	2.0	86.6	42.0	1.0	5.5	32.5	8.0	32.0	21.0	192.8	41	430.9	61.3	341	61.3	64.5	64.5
1991	19.1	45.7	22.5	48.7	47.3	27.0	97.0	45.0	34.5	29.5	61.0	4.0	51	481.3	51.0	197	51.0	51.0	51.0
1992	-	-	-	93.5	20.0	41.7	72.3	-	-	39.0	31.3	27.0	33	324.8	36.0	296	46.5	50.5	54.5
1993	25.0	13.0	20.0	25.0	41.0	17.0	6.0	-	3.0	-	44.0	34.5	29	228.5	25.0	1	25.0	25.0	25.0
1994	74.0	39.7	12.0	83.2	38.0	23.4	6.0	-	12.0	77.7	18.0	69.9	45	453.9	38.0	279	55.5	57.7	62.7
1995	32.6	8.1	61.5	22.8	67.0	40.7	183.0	57.0	43.0	-	62.8	112.5	63	691.0	52.5	200	52.5	68.5	68.5
1996	65.5	59.7	41.0	40.0	92.0	56.7	45.8	-	-	-	-	-	41	400.7	38.0	132	57.0	60.5	60.5
AVERAGE	39.1	37.7	40.0	45.2	58.9	45.8	42.1	35.9	29.8	47.7	56.6	53.9							
STD DEV	23.6	23.8	27.0	26.4	27.1	31.3	43.3	26.5	28.0	35.2	42.1	43.4							

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LOCATION Bregalnica GAUGING STATION RST049\_Delchevo - Kl  
 STATION ID 217 ELEVATION 630  
 REGISTRY NUMBER  
 LATITUDE 41°58' LONGITUDE 22° 46'  
 AVERAGE ANNUAL TOTAL 525.3

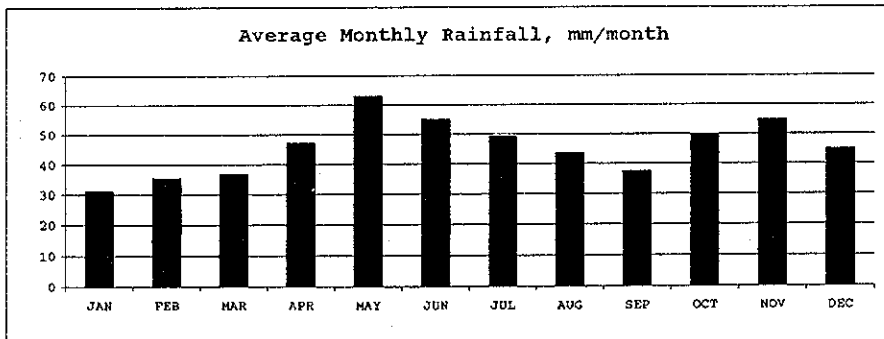
Total Monthly Rainfall

Units: mm

Year	Total Monthly Rainfall												N Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC							
1961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1962	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1963	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1964	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1965	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1966	50.1	33.0	54.7	55.4	45.3	40.3	34.1	47.6	20.1	59.0	92.1	89.4	111	621.1	25.6	220	26.8	27.3	37.6
1967	37.3	9.7	23.2	42.1	51.7	66.4	40.4	82.7	30.7	57.7	27.5	56.4	102	525.8	34.2	304	49.1	51.2	51.2
1968	34.9	49.5	31.8	32.4	57.1	78.8	3.5	78.7	27.5	8.2	97.8	58.2	106	558.4	28.9	327	34.5	36.5	49.0
1969	57.8	73.5	73.2	48.5	18.3	49.4	42.8	60.7	24.3	-	31.6	114.6	126	594.7	29.0	159	35.6	36.6	41.3
1970	35.3	74.9	49.7	55.2	107.4	52.0	67.2	10.9	17.5	84.5	21.4	26.4	124	602.4	33.0	123	35.0	61.2	68.2
1971	31.3	36.0	61.7	4.5	49.5	26.8	44.1	14.8	35.7	13.7	28.9	14.1	91	361.1	22.1	197	39.5	41.0	41.0
1972	30.8	34.7	3.7	29.8	40.5	37.0	78.6	46.3	107.6	112.1	23.0	0.0	111	544.1	25.0	272	27.5	34.7	48.6
1973	25.8	40.7	47.3	83.2	30.7	15.1	52.7	117.5	-	-	-	-	77	413.0	35.0	216	55.0	55.0	55.0
1974	68.2	50.3	50.5	20.8	100.6	59.4	24.4	43.4	33.7	77.6	60.2	35.0	101	624.1	40.0	295	40.8	40.8	45.8
1975	11.4	6.3	48.9	19.8	86.2	95.1	45.1	60.3	20.4	110.8	69.1	23.5	91	596.9	46.0	285	67.5	70.5	73.5
1976	26.3	5.1	7.2	52.1	108.1	79.5	222.7	54.2	21.6	61.1	-	-	102	637.9	65.0	190	78.0	78.1	108.4
1977	39.8	33.8	29.0	25.1	65.5	76.0	58.2	25.2	22.7	6.6	59.8	16.5	93	458.2	22.2	73	36.3	38.0	38.0
1978	37.3	58.4	64.0	58.0	85.6	46.2	18.5	29.7	135.8	21.0	26.7	69.7	100	650.9	29.0	251	37.5	44.0	47.0
1979	53.7	32.0	28.2	92.3	48.6	46.5	42.7	116.6	36.0	62.2	74.5	18.9	112	652.2	36.4	234	39.4	43.9	44.3
1980	60.0	2.8	49.6	63.9	-	33.9	12.7	22.2	41.8	123.9	50.4	85.0	105	546.2	39.0	295	67.0	84.5	95.5
1981	30.3	33.6	27.1	12.7	54.4	70.0	59.0	54.3	63.3	50.4	48.4	44.3	120	547.8	23.5	173	34.0	36.5	36.5
1982	18.3	35.6	45.2	60.6	23.9	11.2	40.0	48.6	39.7	23.2	88.6	71.3	104	506.2	46.6	322	67.6	73.1	76.8
1983	15.8	29.5	11.4	31.1	35.7	152.2	90.5	19.4	19.1	49.9	76.3	17.1	100	548.0	36.5	167	57.0	92.5	100.0
1984	24.6	46.5	58.1	19.0	21.2	12.6	31.1	31.8	30.0	9.9	43.0	20.3	102	348.1	20.2	41	23.6	24.7	29.9
1985	50.0	45.7	61.3	35.8	146.3	49.8	8.1	50.5	8.0	6.0	166.8	8.4	95	636.7	46.0	329	51.5	81.7	87.2
1986	31.9	-	25.6	19.6	64.0	30.8	52.3	12.4	14.0	26.4	7.5	18.5	88	303.0	40.3	199	40.6	40.6	40.6
1987	55.9	58.5	28.6	47.0	71.6	48.3	63.5	23.1	56.8	56.8	63.9	45.2	108	619.2	33.5	198	62.5	62.5	62.5
1988	10.1	39.8	36.0	56.5	60.2	77.2	26.0	0.2	29.4	19.6	91.1	27.1	91	473.2	26.0	213	27.7	35.3	40.5
1989	0.3	25.8	16.4	55.4	144.4	80.1	79.0	34.1	29.4	87.5	31.9	32.3	92	616.6	77.3	139	90.3	91.3	98.3
1990	4.7	11.1	5.4	88.5	43.0	25.2	36.5	24.3	14.0	26.8	12.9	146.7	81	439.1	27.8	101	38.0	49.4	53.7
1991	21.1	61.4	26.8	92.8	85.1	67.6	65.5	25.3	71.0	76.4	61.9	17.1	100	672.0	40.8	294	65.2	65.2	65.2
1992	2.2	7.5	-	71.6	24.8	127.3	19.3	-	2.4	38.9	51.0	42.2	63	387.2	49.6	157	51.6	57.8	57.8
1993	7.0	24.7	36.4	39.4	54.5	31.5	29.5	-	2.5	-	48.5	65.3	52	339.3	24.8	155	24.8	32.4	32.4
1994	-	22.5	10.6	71.4	31.2	56.9	59.9	12.4	26.8	54.0	14.1	47.7	67	407.5	28.0	185	28.6	33.4	38.6
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	28.3	43.5	55.8	25.5	66.7	1.1	21.2	67.0	104.7	12.9	60.8	41.4	93	528.9	24.0	222	24.6	31.4	32.9
AVERAGE	31.1	35.4	36.8	47.0	62.8	54.8	49.0	43.4	37.5	49.5	54.6	44.7							

STD DEV	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	18.4	19.6	19.6	24.3	33.8	33.1	39.4	29.6	31.7	34.6	33.8	33.8

Average Monthly Rainfall, mm/month



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

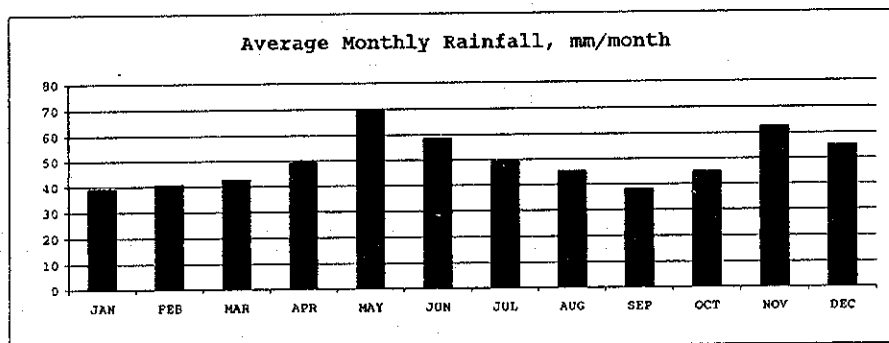
Bregalnica  
210  
41° 43'  
582.6

GAUGING STATION  
ELEVATION  
LONGITUDE

RST050\_Berovo - kl  
824  
22° 51'

Total Monthly Rainfall												Units: mm							
Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N_Wet	Av_Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	22.5	12.7	38.4	38.4	88.9	53.7	7.8	-	5.1	23.6	106.0	55.0	100	452.1	44.6	310	67.6	75.8	79.0
1962	29.1	77.8	135.6	55.6	75.5	56.0	34.1	10.3	20.6	57.3	195.6	74.8	122	822.3	41.6	307	58.8	63.4	78.8
1963	130.8	99.0	38.5	32.4	80.1	89.0	56.9	15.9	37.1	47.6	36.5	54.7	146	718.5	30.4	54	34.2	34.2	38.8
1964	8.7	24.6	78.1	30.6	87.1	79.2	30.2	33.2	66.3	70.5	72.8	61.2	125	642.5	45.0	61	54.6	58.0	58.0
1965	68.0	60.7	16.4	67.5	81.4	32.3	51.1	67.0	4.6	1.5	34.7	74.0	112	559.2	35.2	227	35.2	50.8	54.1
1966	100.5	65.9	60.2	39.1	71.5	57.5	10.6	16.8	16.0	23.8	127.8	75.0	114	664.7	41.8	44	46.1	57.4	61.7
1967	53.3	11.6	31.3	52.8	42.2	63.4	61.0	72.1	36.3	32.1	25.2	62.6	105	543.9	30.8	192	41.6	42.2	44.3
1968	50.7	39.9	24.4	4.1	115.1	96.0	1.6	67.3	35.0	8.2	72.9	56.6	115	571.8	40.8	136	47.8	51.2	55.0
1969	55.9	68.2	60.7	40.4	18.9	31.9	22.3	30.4	25.3	0.4	20.1	124.4	126	498.9	24.8	343	28.0	33.2	39.8
1970	29.1	42.5	47.3	52.4	115.3	16.1	29.5	28.6	27.9	59.6	18.3	31.5	119	498.1	50.8	123	52.0	70.8	78.5
1971	29.4	45.1	100.5	17.3	41.5	53.2	69.7	44.7	58.5	13.3	26.7	37.6	119	537.5	57.2	197	57.2	57.5	57.5
1972	20.3	37.2	11.6	46.8	52.2	54.7	76.6	49.5	154.7	102.0	25.1	0.1	122	630.8	35.1	254	35.2	48.8	52.2
1973	36.1	64.5	54.9	79.1	40.3	11.7	124.0	56.2	-	-	-	-	93	466.8	30.8	182	54.9	66.1	66.9
1974	48.5	55.3	42.4	58.2	82.0	150.0	23.4	26.8	11.3	74.6	35.9	40.4	128	648.8	36.6	170	65.2	72.2	95.2
1975	19.8	11.7	55.8	30.5	68.2	67.8	96.3	36.5	27.7	85.9	55.9	9.5	119	565.6	33.2	172	50.1	54.5	55.2
1976	41.4	8.6	21.2	77.2	100.5	72.9	110.9	67.8	37.6	55.4	-	-	111	593.5	30.8	207	39.7	47.9	52.7
1977	31.6	44.2	34.5	21.1	50.0	56.0	61.0	61.5	21.0	3.0	45.4	17.2	104	446.5	27.8	188	29.6	29.8	32.0
1978	43.8	61.9	47.6	76.2	103.4	61.1	9.3	34.4	100.2	47.9	27.8	73.2	114	686.8	29.8	224	37.1	42.9	43.4
1979	40.5	26.6	27.5	84.8	69.3	17.3	36.7	124.3	30.6	105.5	114.2	20.3	127	697.6	50.1	234	50.4	64.4	68.4
1980	54.9	8.3	38.5	55.1	114.0	79.1	47.2	23.8	52.2	165.3	48.9	79.0	133	766.3	47.8	296	83.8	110.6	118.2
1981	27.9	46.9	30.2	21.7	52.5	68.4	61.5	44.0	92.6	64.4	99.9	79.5	125	689.5	57.1	320	59.9	60.2	60.2
1982	4.6	40.6	30.7	65.2	103.0	30.4	39.7	67.8	28.0	31.5	100.6	92.4	109	634.5	51.8	146	72.8	82.6	84.8
1983	16.8	20.0	10.3	34.9	72.4	165.6	99.5	24.0	48.1	30.9	94.6	68.5	125	685.6	29.8	144	46.9	59.8	65.1
1984	40.0	58.8	72.9	19.5	41.2	30.0	18.9	102.0	23.6	4.0	29.7	36.5	136	477.1	22.4	228	38.7	46.7	53.9
1985	46.4	28.7	64.1	26.5	67.3	87.5	32.5	38.3	10.0	7.9	156.3	10.8	113	576.3	62.9	153	62.9	85.6	89.4
1986	71.6	-	15.1	28.3	89.0	24.6	31.2	46.2	10.7	31.5	9.4	31.2	103	388.8	29.2	227	36.1	36.1	36.1
1987	65.0	69.9	53.1	65.2	75.1	69.7	14.5	45.7	19.8	54.6	86.9	37.5	126	657.0	51.1	173	61.5	62.3	62.3
1988	8.3	45.4	50.6	27.0	75.8	94.5	23.4	1.7	8.8	13.4	118.3	53.0	120	520.2	25.5	311	38.5	44.2	45.0
1989	1.0	21.8	20.2	43.1	57.3	94.1	136.0	37.6	8.8	97.8	31.0	45.2	111	593.9	49.2	207	67.8	70.6	73.4
1990	2.0	11.5	11.2	95.3	26.1	38.0	20.4	33.6	7.9	56.6	19.7	137.8	116	460.1	25.0	101	31.8	40.2	43.7
1991	14.8	44.9	18.6	100.3	80.0	36.2	57.6	48.6	35.6	31.6	87.5	18.4	113	574.1	30.9	146	41.3	44.7	44.7
1992	3.5	6.8	11.9	97.6	44.0	57.2	28.1	19.3	25.1	37.7	48.9	51.1	101	431.2	32.8	171	40.7	47.0	47.2
1993	26.6	24.0	43.6	29.4	60.2	7.7	17.4	2.0	15.2	34.0	52.6	67.2	98	379.9	23.9	87	27.7	36.4	36.4
1994	55.2	37.0	20.8	60.5	46.7	32.8	64.9	28.0	19.3	66.5	8.5	46.0	107	486.2	25.0	204	38.0	38.0	38.4
1995	64.8	12.4	53.1	27.1	82.5	26.9	129.8	107.9	78.8	2.7	41.8	100.2	120	728.0	47.6	237	48.2	57.8	59.9
1996	36.0	81.4	56.3	63.0	46.8	43.8	30.5	68.9	128.2	25.2	48.1	50.0	121	678.2	45.2	268	47.7	48.2	52.6
AVERAGE	38.9	40.5	42.4	49.0	69.9	53.5	49.2	45.2	38.0	44.8	62.5	55.1							
STD DEV	27.6	24.1	26.5	24.7	24.9	34.8	36.2	28.2	35.2	36.4	44.7	31.0							

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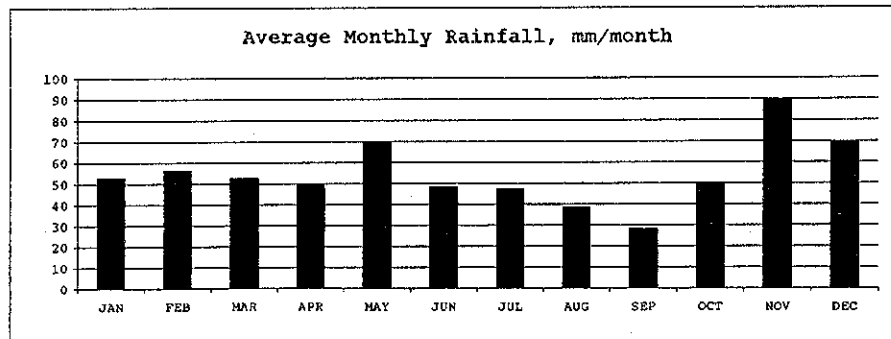
LOCATION Strumica GAUGING STATION RST051\_Novo Selo - strum  
 STATION ID 248 ELEVATION 240  
 REGISTRY NUMBER  
 LATITUDE 41° 25' LONGITUDE 22° 53'  
 AVERAGE ANNUAL TOTAL 604.1

Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N_Wet	Av_Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	35.2	15.3	30.8	30.8	98.7	69.8	31.0	4.0	4.0	26.5	172.3	56.9	74	575.3	84.0	310	127.5	144.8	145.9
1962	63.8	67.3	186.4	66.3	24.1	48.9	28.1	0.0	0.7	33.9	282.6	45.4	98	855.5	60.2	74	112.2	116.5	118.2
1963	85.2	159.4	58.4	60.5	69.4	58.9	49.6	20.2	12.9	69.2	40.4	55.3	109	739.4	33.7	169	56.9	63.1	86.5
1964	9.2	-	74.4	18.1	87.2	27.8	16.0	15.7	81.9	52.8	141.4	90.4	83	614.9	46.0	61	70.3	109.3	112.5
1965	118.0	65.7	42.7	49.8	67.3	18.4	1.6	27.5	0.1	1.3	31.5	78.3	89	502.2	29.7	23	52.9	71.6	97.9
1966	122.7	68.8	44.4	23.4	84.8	50.9	6.9	4.3	18.0	35.0	134.5	112.4	95	706.1	52.3	45	55.4	56.7	65.7
1967	57.5	2.5	-	27.5	67.5	67.7	155.9	40.1	43.7	24.5	18.4	61.3	87	566.6	55.2	192	83.0	102.5	108.0
1968	53.2	83.4	13.3	3.2	138.7	58.4	3.4	25.7	24.4	16.2	89.9	65.3	97	575.1	44.7	49	52.5	60.9	60.9
1969	64.0	97.5	50.3	56.4	15.6	47.6	28.3	64.5	21.7	0.1	-	-	95	446.0	36.2	37	36.4	36.4	36.4
1970	30.5	56.7	91.3	37.2	88.8	36.8	129.4	1.4	8.1	53.7	17.4	38.9	105	590.2	63.6	206	63.6	63.6	63.6
1971	52.2	51.8	147.0	36.9	95.4	15.9	54.0	23.0	55.1	45.2	15.5	62.8	111	654.8	50.0	87	78.6	80.1	80.8
1972	21.7	43.5	22.6	119.6	44.3	12.0	56.3	59.3	89.9	127.9	24.4	0.0	115	631.5	35.0	114	46.2	51.6	59.2
1973	46.6	87.6	56.9	41.8	30.2	44.7	84.8	84.4	-	-	-	-	74	457.0	47.5	183	50.3	68.9	68.9
1974	46.0	83.0	53.1	49.3	79.5	38.1	11.4	10.2	9.2	37.7	61.2	52.0	96	530.7	35.7	349	47.5	47.5	47.5
1975	29.1	22.2	41.3	18.0	41.9	-	-	-	-	-	93.5	18.9	58	264.9	27.3	324	30.4	35.7	57.7
1976	34.2	59.2	55.8	79.2	53.8	117.0	118.3	65.8	9.4	77.0	-	-	90	669.7	58.5	159	65.5	68.0	71.9
1977	54.5	38.9	29.6	23.4	64.6	90.2	27.9	96.6	17.7	2.6	53.4	10.7	86	510.1	84.4	219	88.4	88.4	88.4
1978	55.6	49.0	53.3	82.4	147.9	7.1	0.8	52.2	140.9	122.2	50.6	43.8	98	805.8	63.5	150	103.9	106.1	106.1
1979	42.5	38.0	18.6	81.5	59.6	35.4	41.5	79.2	33.0	63.1	186.2	18.8	110	697.4	91.6	323	97.6	129.8	135.8
1980	80.5	13.6	43.9	29.6	117.3	9.9	45.7	15.1	46.4	163.8	51.5	145.0	106	762.3	51.2	355	70.7	104.2	122.2
1981	48.3	64.0	23.2	28.6	20.2	68.1	42.8	47.9	34.9	61.6	154.3	107.5	83	701.4	63.5	320	85.5	85.6	85.6
1982	18.7	50.5	62.9	98.1	25.0	22.5	34.9	66.9	26.7	81.4	254.1	144.6	84	886.3	120.4	322	195.2	213.7	221.3
1983	17.9	35.6	31.7	42.7	124.6	216.8	85.0	88.8	43.0	19.5	82.4	124.8	91	932.8	64.6	167	103.2	113.7	114.8
1984	58.2	96.7	67.4	34.1	25.5	15.3	9.0	92.6	19.8	4.1	47.8	45.8	95	516.3	28.7	41	38.0	43.8	44.8
1985	97.6	33.7	64.0	32.5	93.1	39.0	2.3	25.9	16.0	7.6	166.8	10.1	73	588.6	81.1	329	90.9	97.0	105.2
1986	73.9	-	21.1	10.4	107.0	21.1	13.2	9.0	14.4	16.8	24.0	25.2	64	336.1	27.7	17	36.6	37.0	40.4
1987	80.6	79.8	133.7	82.3	84.8	34.9	6.5	18.9	12.3	80.9	84.8	33.1	91	732.6	39.5	82	67.0	95.5	95.5
1988	11.3	75.6	75.3	34.1	91.0	43.5	31.8	7.2	9.3	14.0	129.0	99.0	76	621.1	43.4	58	58.3	70.5	70.5
1989	-	28.9	23.2	59.1	-	81.5	84.8	6.9	9.3	133.6	56.1	58.6	63	542.0	52.2	284	101.3	117.9	120.7
1990	1.4	15.0	11.9	87.6	27.5	41.2	26.4	36.7	8.9	36.6	23.9	249.2	76	566.3	68.4	341	84.4	88.0	88.0
1991	16.4	82.0	30.1	-	66.4	18.7	-	52.1	12.4	59.2	115.4	10.9	58	463.6	45.8	322	50.0	51.9	51.9
1992	-	-	4.6	106.7	38.1	112.8	40.0	37.3	11.0	42.5	49.4	77.3	59	519.7	62.8	345	67.0	68.8	73.2
1993	21.3	26.4	61.2	25.1	56.3	33.0	10.8	2.4	6.0	-	67.0	44.4	55	353.9	44.2	87	44.2	44.2	44.2
1994	-	63.5	27.1	83.2	66.1	19.5	83.3	25.0	15.1	83.2	41.3	74.7	75	582.0	34.0	191	43.1	44.5	53.8
1995	81.8	8.4	43.6	21.6	95.7	33.4	190.3	83.0	75.3	4.2	95.6	148.2	84	881.1	54.3	200	68.2	68.2	68.2
1996	103.3	87.3	38.1	32.9	28.8	30.2	66.7	-	-	-	-	-	48	387.3	38.1	204	50.2	50.2	50.2
AVERAGE	52.5	56.1	52.4	49.0	69.3	48.2	47.0	38.5	28.2	49.9	89.3	69.1							
STD DEV	31.5	32.8	38.4	29.3	34.9	39.9	45.7	30.4	30.6	42.3	68.3	52.5							

051



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Bregalnica  
213  
41° 49'  
593.0

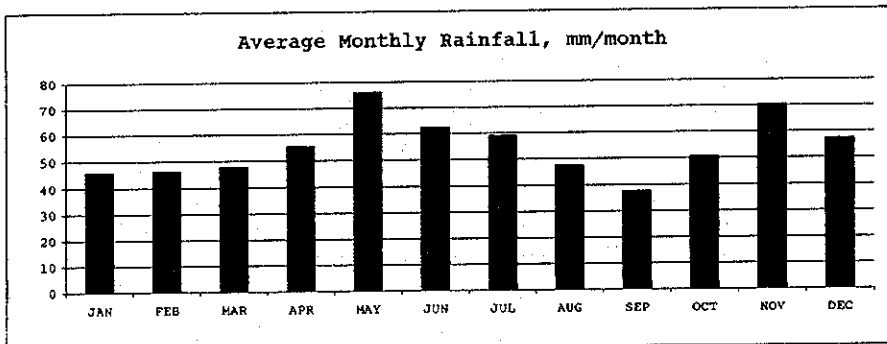
GAUGING STATION  
ELEVATION  
LONGITUDE

RST052\_Crnik  
900  
22° 54'

Total Monthly Rainfall

Year	Units: mm												N.Wet	AV. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC							
1961	40.3	26.6	59.3	59.3	173.9	64.2	15.9	-	15.2	23.9	98.6	74.1	95	651.3	42.3	310	63.8	73.2	77.9
1962	37.6	93.8	161.6	85.7	67.2	57.4	36.8	6.7	26.7	87.8	236.3	71.0	122	968.6	36.7	320	63.1	63.5	76.0
1963	171.1	117.8	46.0	84.7	105.7	145.1	64.4	15.1	28.0	104.0	35.6	87.9	133	1005.4	43.9	279	55.8	57.6	58.2
1964	-	39.0	-	-	-	-	-	-	-	-	-	-	9	39.0	20.7	52	21.8	22.2	22.8
1965	83.3	78.2	27.8	60.5	96.2	40.5	56.8	74.1	6.9	0.1	54.6	120.8	89	699.8	31.3	200	43.2	49.3	63.0
1966	129.7	45.0	75.7	29.5	70.1	104.4	50.7	43.2	39.1	56.9	129.9	86.6	113	860.8	43.2	154	54.6	54.6	54.6
1967	59.4	18.7	42.0	86.8	75.5	97.7	65.1	82.4	47.9	65.7	58.1	100.5	95	799.8	43.2	279	46.3	51.5	51.5
1968	83.4	33.2	46.6	12.7	107.0	146.0	11.4	70.2	18.6	12.6	75.3	62.9	100	679.9	41.8	136	50.9	54.3	54.9
1969	64.6	89.2	70.1	82.1	20.6	29.8	55.3	34.9	20.5	-	8.2	103.5	94	578.8	29.5	95	39.2	54.0	54.0
1970	44.5	62.9	47.6	63.3	83.8	-	94.1	6.7	22.9	69.3	26.5	44.3	79	565.9	48.3	208	49.0	49.0	50.9
1971	23.6	52.1	54.5	11.8	49.2	41.3	91.9	24.5	53.8	26.3	55.1	25.4	69	509.5	60.2	211	67.7	67.7	67.7
1972	21.5	58.3	20.2	39.0	34.5	61.3	69.2	75.6	154.4	110.5	33.0	0.0	83	677.5	30.6	163	40.7	40.7	51.5
1973	-	54.8	24.0	55.2	41.6	53.7	85.3	47.9	-	-	-	-	43	362.5	30.1	106	41.3	41.3	41.3
1974	41.9	51.1	31.7	79.5	87.6	87.2	24.8	38.2	15.0	63.5	50.9	-	94	571.4	36.6	39	36.6	37.6	43.7
1975	-	9.6	54.9	27.5	80.3	61.2	70.9	51.2	7.7	43.5	72.8	22.6	103	510.2	28.4	324	36.4	38.4	44.5
1976	40.5	9.0	19.7	90.2	-	-	-	91.1	19.2	69.1	-	-	59	338.8	33.1	219	37.6	37.6	37.6
1977	34.1	58.1	36.2	21.2	86.2	75.6	54.9	44.8	24.8	23.5	50.9	17.3	86	527.6	38.0	204	45.4	45.4	45.4
1978	51.1	53.7	77.9	58.5	115.9	31.3	32.5	13.6	134.4	41.5	26.1	-	89	636.5	31.0	197	47.2	49.4	52.5
1979	48.7	46.7	30.7	94.2	90.8	17.2	38.0	78.1	28.3	100.5	-	17.5	85	588.7	30.5	230	42.3	52.0	52.0
1980	67.2	10.3	42.2	58.8	176.6	48.8	46.1	38.6	52.0	162.9	50.0	71.4	106	824.9	45.0	269	77.0	94.0	95.1
1981	38.8	53.4	25.7	29.0	66.3	92.5	118.7	70.3	132.2	59.8	84.5	89.2	97	860.4	43.1	209	59.5	59.5	59.5
1982	14.2	30.7	36.0	78.1	39.2	43.3	70.1	96.4	23.4	41.1	88.3	101.9	75	662.7	47.1	322	69.8	76.7	79.6
1983	28.5	39.7	9.1	38.3	73.7	193.7	88.7	46.0	46.0	33.3	99.0	46.8	86	742.8	32.0	164	59.0	86.7	105.8
1984	48.4	50.2	100.9	26.3	37.0	22.4	27.3	73.9	36.9	3.6	46.3	22.8	83	496.0	23.0	133	29.7	33.5	35.2
1985	35.3	47.0	65.1	42.2	73.8	19.2	29.3	65.0	14.8	7.6	173.7	-	70	573.0	52.0	331	57.9	99.4	102.8
1986	62.2	-	16.5	26.7	66.8	24.1	33.2	34.8	28.7	7.3	33.6	-	55	361.1	29.9	271	31.8	34.8	34.8
1987	72.5	94.5	54.4	57.2	66.3	42.4	-	31.4	5.8	49.9	115.7	43.0	80	633.1	60.5	52	60.5	71.0	78.9
1988	12.8	53.1	61.8	33.4	62.5	87.4	16.5	-	10.7	20.8	140.6	56.1	79	555.7	33.3	328	40.0	45.3	50.1
1989	1.8	21.0	81.7	45.5	59.4	67.6	110.0	-	10.7	106.5	42.5	4.0	70	550.7	55.0	62	60.1	73.3	77.4
1990	1.8	26.5	8.7	113.7	45.9	53.6	5.2	43.9	13.3	33.6	26.8	130.8	75	503.8	31.9	101	37.4	47.5	52.3
1991	17.7	30.4	20.9	88.8	114.6	23.8	72.2	58.6	42.0	46.3	88.3	23.4	73	627.0	35.6	146	54.6	61.9	64.2
1992	1.3	7.2	11.1	62.5	40.8	55.9	45.0	15.3	34.7	32.5	65.1	42.0	62	413.4	28.3	345	45.0	45.0	45.0
1993	18.0	27.4	56.3	39.0	53.4	13.5	14.8	1.9	19.5	23.1	51.4	-	58	310.3	37.2	87	37.2	38.3	43.7
1994	33.2	16.2	30.6	74.9	47.7	69.0	72.2	17.8	26.7	65.1	3.3	43.0	62	499.7	39.0	204	43.2	43.2	51.0
1995	60.2	21.7	56.4	40.7	107.6	9.1	241.9	85.6	72.5	4.5	88.1	-	68	788.3	87.0	200	95.2	99.0	118.0
1996	20.0	83.6	64.4	35.0	67.1	71.6	21.2	-	-	-	-	-	45	363.9	26.7	155	27.3	38.7	47.9
AVERAGE	45.7	46.0	47.7	55.2	76.0	62.2	56.7	47.4	37.6	50.6	70.4	57.1							
STD. DEV	35.3	27.2	30.0	25.1	35.0	41.2	44.2	27.4	36.5	37.2	50.3	36.3							

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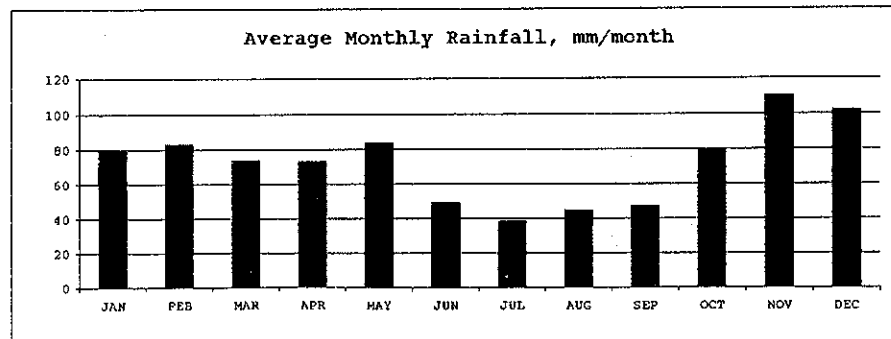
LOCATION Ohrid.Ez. GAUGING STATION RST053\_Sveti Naum  
 STATION ID 285 ELEVATION 690  
 REGISTRY NUMBER  
 LATITUDE 40° 55' LONGITUDE 20° 45'  
 AVERAGE ANNUAL TOTAL 820.1

Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N.Wet	Av. Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	52.1	47.4	31.9	31.9	87.7	25.6	19.7	13.6	13.7	51.8	163.1	82.0	78	620.5	40.2	310	64.4	68.8	72.9
1962	26.5	121.1	172.9	55.1	30.3	59.1	20.7	12.4	28.0	190.6	269.8	60.2	112	1046.7	91.2	288	105.7	105.8	121.7
1963	202.2	336.9	116.2	81.8	138.2	65.7	22.6	52.5	45.3	116.4	24.7	112.2	110	1314.7	96.5	34	105.0	105.0	139.0
1964	8.4	76.4	155.3	73.2	95.4	91.1	55.2	35.4	18.6	40.0	167.6	150.7	90	967.3	80.6	317	91.4	106.6	114.8
1965	57.7	124.8	110.3	88.6	67.8	26.8	8.2	29.2	23.4	4.2	219.6	211.3	80	971.9	40.9	63	60.4	71.0	87.2
1966	395.6	62.9	68.2	28.8	109.8	49.7	38.0	52.1	37.5	86.7	281.7	253.4	100	1464.4	75.2	13	121.0	131.8	137.0
1967	59.6	7.4	-	182.2	67.3	113.0	154.2	44.6	83.2	70.7	37.0	169.3	84	988.5	40.8	180	59.0	76.6	87.4
1968	209.7	81.8	116.5	-	148.6	61.6	-	-	-	18.3	118.4	105.4	63	860.3	50.8	48	51.6	77.4	87.8
1969	79.6	148.2	-	80.1	24.6	58.8	20.0	55.5	87.7	-	22.0	236.8	83	813.3	30.6	114	43.7	60.4	73.9
1970	99.5	156.9	104.4	103.6	45.1	30.4	66.0	33.0	10.2	99.8	110.7	161.8	90	1021.4	35.4	55	44.6	64.8	66.2
1971	221.6	72.3	45.5	66.2	119.2	61.4	75.0	3.7	98.4	41.4	53.9	49.4	95	908.0	65.2	149	71.0	94.0	100.2
1972	46.8	67.2	41.8	65.5	50.9	25.4	87.4	83.6	76.0	267.1	48.7	10.8	74	871.2	30.6	198	59.2	79.4	104.6
1973	77.2	192.5	83.6	88.5	46.4	53.8	82.0	48.2	-	-	-	-	61	672.2	30.2	49	50.7	75.9	86.1
1974	63.4	135.0	41.4	133.8	156.4	52.6	5.6	92.0	40.0	116.8	82.2	31.2	88	950.4	30.2	36	50.6	50.6	62.8
1975	27.6	45.6	70.2	65.8	148.0	40.6	20.6	4.2	38.6	114.2	80.1	66.2	66	721.7	21.2	177	35.2	39.2	50.5
1976	26.1	18.4	50.2	74.2	172.1	149.4	93.6	50.6	64.0	162.6	-	-	64	861.2	35.2	304	65.4	75.2	85.4
1977	103.4	124.2	59.4	31.8	126.3	44.8	17.8	41.4	116.2	35.6	180.6	67.4	85	948.9	35.2	325	55.4	55.4	68.4
1978	115.8	118.6	139.6	182.2	253.6	26.8	10.0	18.2	95.6	63.2	33.4	100.2	103	1157.2	30.2	133	50.2	60.4	80.4
1979	107.0	28.4	85.8	104.0	107.0	52.8	45.6	45.8	28.2	92.9	218.0	104.2	96	1019.7	22.0	310	42.2	63.6	68.0
1980	51.4	24.8	76.4	42.8	123.4	39.5	10.2	26.9	17.4	119.8	79.9	109.7	118	722.2	34.4	287	41.9	67.7	73.0
1981	58.0	89.5	79.4	31.3	38.7	5.9	50.4	52.2	70.8	162.1	56.1	142.9	100	837.3	77.4	297	84.6	84.6	121.9
1982	20.0	39.6	27.2	74.6	39.9	7.3	33.5	19.2	50.5	59.5	86.7	89.1	81	547.1	42.0	349	62.6	69.7	79.9
1983	19.8	94.5	31.3	34.2	90.5	142.7	39.7	9.8	39.3	50.3	130.4	80.8	86	763.3	47.2	305	50.3	62.2	74.5
1984	103.3	91.8	73.6	56.3	33.2	28.0	5.2	57.6	103.5	3.4	61.8	65.7	98	683.4	34.1	11	47.3	50.3	57.9
1985	93.7	56.3	63.0	94.5	52.6	48.8	2.9	5.0	21.2	21.6	345.7	35.8	96	841.1	91.0	324	130.2	139.5	144.5
1986	114.3	-	98.6	55.0	134.1	122.9	44.3	3.4	36.2	30.2	30.7	42.2	81	711.9	34.1	17	36.2	50.6	62.3
1987	124.5	41.0	93.4	59.2	62.3	33.6	18.2	11.5	2.2	98.5	54.3	56.3	84	655.0	28.2	274	40.3	45.4	45.4
1988	33.1	48.3	77.5	29.8	10.3	29.5	4.2	4.2	14.8	55.2	128.2	52.6	72	487.7	31.2	338	35.6	42.2	46.9
1989	0.6	51.7	75.2	22.0	95.1	42.3	84.5	86.4	14.8	83.8	48.8	88.0	77	693.2	66.1	242	67.2	80.0	80.0
1990	-	4.1	2.2	95.1	44.3	16.6	14.6	45.4	61.0	43.0	78.3	167.4	73	572.0	37.2	222	50.5	54.7	64.8
1991	18.6	136.0	20.3	102.6	94.1	41.6	51.8	23.6	90.8	77.8	143.8	5.3	88	806.3	67.0	48	85.0	89.2	89.2
1992	2.0	12.2	30.3	97.8	44.0	27.5	17.5	22.9	5.0	136.9	47.9	75.1	53	519.1	35.0	299	47.3	66.5	75.7
1993	27.5	24.7	74.0	28.4	12.5	16.1	5.4	5.3	13.1	30.5	90.2	94.6	63	422.3	28.2	321	29.5	40.4	51.4
1994	51.1	52.0	14.0	100.3	16.0	27.7	59.4	331.2	22.2	57.0	61.9	95.3	67	888.1	321.0	231	321.0	321.0	321.0
1995	74.6	51.9	49.4	52.6	56.5	19.9	47.8	92.8	89.2	0.4	73.2	190.5	112	798.8	37.4	364	59.5	77.7	84.4
1996	27.0	113.6	118.9	39.3	67.8	21.6	6.0	-	-	-	-	-	42	394.2	29.3	44	40.5	43.7	52.5
AVERAGE	80.0	82.8	73.5	72.9	83.6	48.9	38.2	44.5	47.2	78.9	110.0	101.9							
STD DEV	78.3	64.6	40.3	39.1	53.5	35.1	33.8	57.1	33.4	58.8	81.2	62.0							

053



LOCATION  
STATION ID  
REGISTRY NUMBER  
LATITUDE  
AVERAGE ANNUAL TOTAL

Prespa.Ez.  
289  
40° 54'  
461.3

GAUGING STATION  
ELEVATION  
LONGITUDE

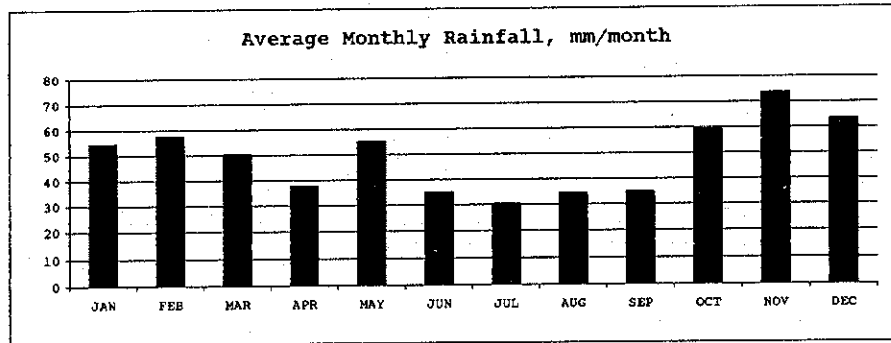
RST054\_Nakolec  
850  
21° 07'

Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N_Wet	Av_Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day	
1961	27.7	36.4	17.9	17.9	41.1	21.4	18.2	6.9	8.6	57.0	92.2	50.4	54	395.7	32.5	294	45.0	49.2	51.7	
1962	27.2	108.2	102.3	47.9	14.0	56.9	4.9	22.5	26.0	147.0	232.6	131.0	86	920.5	67.4	320	90.0	90.0	90.0	
1963	142.7	169.9	96.2	53.9	95.9	54.1	8.5	25.0	55.8	60.2	24.8	120.1	104	907.1	40.5	34	60.1	65.6	72.0	
1964	24.7	31.4	92.2	36.5	87.2	40.4	16.1	30.7	35.6	46.6	139.2	81.4	76	663.0	50.5	316	100.5	110.7	115.3	
1965	32.5	91.8	37.3	65.4	46.1	16.2	-	41.2	-	-	114.3	108.7	64	553.5	33.5	56	34.1	34.7	49.2	
1966	95.8	25.9	55.7	27.5	42.7	32.1	10.0	19.8	30.8	61.4	150.0	119.9	78	671.6	34.5	310	41.0	43.7	43.7	
1967	88.6	9.9	-	42.2	59.2	34.5	119.3	3.4	35.2	25.7	13.6	106.8	58	538.4	43.3	193	59.5	69.0	69.0	
1968	77.6	68.2	34.0	20.5	83.0	146.9	-	54.6	45.0	14.2	93.1	56.4	74	693.5	43.8	170	51.1	53.9	71.5	
1969	63.9	119.5	101.3	40.7	9.7	13.5	6.0	29.2	75.6	-	22.7	173.5	68	655.6	27.3	336	39.0	47.2	48.5	
1970	95.0	119.7	41.5	49.5	88.0	19.0	49.8	-	30.7	74.1	48.3	58.4	66	674.0	55.8	51	55.8	55.8	67.1	
1971	82.1	55.7	76.3	20.2	52.9	13.7	41.8	16.0	112.3	13.4	46.9	26.9	61	558.2	38.7	1	38.7	56.1	67.1	
1972	58.7	44.1	30.8	74.3	20.5	9.8	31.4	68.1	51.0	141.1	36.2	13.1	72	589.1	38.7	290	46.1	46.1	46.1	
1973	64.8	98.4	80.5	45.1	13.5	19.0	22.4	127.8	-	-	-	-	46	471.5	74.4	240	82.9	91.4	99.3	
1974	36.8	126.8	43.4	63.1	80.3	50.4	4.6	28.9	20.6	88.5	76.5	23.1	81	643.0	32.7	305	41.5	44.7	55.5	
1975	22.2	26.8	44.0	48.0	64.7	22.6	63.8	19.3	16.1	83.1	67.4	29.4	57	507.4	44.6	195	44.6	44.6	48.5	
1976	25.7	16.5	31.2	35.2	111.7	77.5	53.1	39.3	12.1	81.1	-	-	54	483.4	37.4	305	37.4	37.4	41.8	
1977	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1978	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1979	82.6	32.4	6.4	54.7	93.9	25.0	7.1	52.7	29.2	74.5	109.4	35.9	82	603.8	70.0	323	70.0	70.0	90.7	
1980	58.6	7.2	42.3	16.4	113.8	30.0	2.1	23.2	35.7	116.9	57.5	74.1	68	577.8	27.9	286	40.2	49.6	56.9	
1981	15.6	30.6	16.5	21.8	25.4	29.3	-	21.6	34.6	72.5	32.8	27.2	49	327.9	65.2	297	72.5	72.5	72.5	
1982	28.5	-	-	69.7	46.2	8.1	21.9	37.7	56.5	48.2	59.5	-	58	376.3	36.3	322	53.3	54.5	54.5	
1983	7.8	34.3	14.0	19.7	40.2	46.4	-	-	-	-	-	-	35	162.4	24.3	180	24.3	24.3	24.3	
1984	-	-	-	-	-	-	-	-	45.5	9.0	21.5	-	9	76.0	14.2	266	27.6	27.6	27.6	
1985	-	-	-	-	-	13.1	-	6.3	18.8	215.1	22.5	-	24	275.8	50.1	331	81.0	96.9	120.6	
1986	67.7	-	54.8	25.4	116.6	80.0	73.6	-	14.1	39.8	30.0	32.2	83	534.2	30.5	143	35.9	38.7	38.7	
1987	131.6	72.3	134.0	28.0	31.9	18.0	12.6	9.7	21.4	94.8	102.6	45.7	97	702.6	30.1	274	42.5	49.6	58.3	
1988	28.5	52.0	-	-	-	-	-	-	-	-	-	-	12	80.5	12.3	57	15.1	15.1	15.1	
1989	-	-	-	6.4	26.7	24.3	-	-	-	-	-	-	6	57.4	26.7	137	26.7	26.7	26.7	
1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	-	-	-	-	-	-	-	-	-	27.7	-	-	17	173.2	30.8	169	40.0	40.0	40.0	
1992	-	-	-	-	54.4	63.1	28.0	-	-	-	-	-	20	160.7	18.5	308	27.0	28.0	28.0	
1993	-	-	-	-	39.3	-	3.4	13.6	15.6	9.2	47.2	32.4	30	231.4	17.0	206	19.4	23.2	24.1	
1994	16.5	26.6	16.6	51.1	13.7	10.0	42.0	29.9	5.2	12.4	7.4	-	40	347.4	19.2	229	24.5	32.7	39.5	
1995	42.7	11.4	17.9	17.7	53.7	32.7	39.3	68.3	40.0	-	0.3	23.4	17	149.3	19.2	195	31.5	31.5	31.5	
1996	20.7	17.7	20.5	10.2	32.0	4.3	43.9	-	-	-	-	-	-	-	-	-	-	-	-	-
AVERAGE	54.3	57.3	50.3	37.4	55.1	34.9	30.2	34.3	34.8	59.1	73.6	63.3	-	-	-	-	-	-	-	-
STD DEV	35.9	44.4	34.7	19.1	32.4	29.6	28.0	27.0	24.2	40.3	60.7	44.7	-	-	-	-	-	-	-	-

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LOCATION Crna Reka GAUGING STATION RST055\_Bach  
 STATION ID 131 ELEVATION 610  
 REGISTRY NUMBER  
 LATITUDE 40° 56' LONGITUDE 21° 34'  
 AVERAGE ANNUAL TOTAL 508.2

Total Monthly Rainfall

Units: mm

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	N_Wet	Av_Annual	Max 1-day	DayNo.	Max 2-day	Max 3-day	Max 4-day
1961	19.5	21.3	25.8	25.8	67.3	43.1	48.2	-	5.0	21.0	60.6	36.1	51	373.7	35.3	310	36.9	38.5	38.5
1962	38.1	76.8	99.3	34.2	18.4	64.8	20.2	38.0	29.7	77.3	160.7	99.7	85	757.2	41.0	320	60.5	66.5	66.5
1963	80.1	53.3	49.9	35.5	165.0	52.3	17.3	43.7	26.0	93.5	26.6	62.0	107	705.2	41.5	147	44.5	49.0	54.0
1964	16.6	9.2	74.3	37.3	83.6	48.4	20.6	47.3	67.1	28.8	39.1	35.9	79	508.2	49.0	61	53.8	58.0	60.1
1965	25.0	47.1	18.1	36.6	59.5	8.3	0.6	24.4	6.2	-	44.2	79.3	65	349.3	23.0	333	27.2	38.0	50.2
1966	62.8	21.7	30.3	13.0	50.2	62.6	0.3	0.3	23.8	46.2	44.7	81.1	67	437.0	40.0	154	61.0	61.0	61.1
1967	37.5	0.3	-	32.0	78.3	26.2	87.8	7.3	91.1	32.2	3.2	67.6	55	463.5	33.6	245	39.2	43.9	46.9
1968	37.9	54.1	16.1	17.0	87.3	170.7	-	31.6	26.2	8.9	39.3	70.7	68	559.8	112.0	168	114.0	115.0	126.8
1969	67.6	54.1	52.3	47.9	20.8	12.2	48.8	6.2	15.5	-	2.1	116.2	63	443.7	30.5	336	39.3	41.4	41.4
1970	51.2	28.3	22.8	38.4	80.4	43.5	91.4	11.2	9.3	57.7	5.3	33.2	64	472.7	25.3	103	31.7	53.9	59.9
1971	29.7	42.3	46.4	38.0	75.8	63.5	40.0	6.5	-	-	-	-	39	342.2	35.2	176	42.4	55.7	60.2
1972	0.0	0.0	0.0	63.8	36.6	34.7	73.2	97.0	65.1	176.7	19.6	8.7	70	575.4	38.4	290	61.8	67.4	69.8
1973	36.1	54.4	85.9	41.7	23.7	19.9	64.0	45.9	-	-	-	-	55	371.6	26.6	184	47.1	48.2	50.3
1974	30.3	109.8	31.1	50.0	75.5	49.7	-	31.6	93.9	29.2	60.3	24.9	87	586.3	66.2	262	82.5	82.5	82.5
1975	55.4	22.8	40.3	35.3	49.3	78.4	71.0	12.0	35.6	79.7	63.1	28.0	91	570.9	48.2	1	48.2	51.5	54.6
1976	23.7	32.4	16.8	66.5	107.2	119.3	55.1	43.5	46.1	66.2	-	-	78	576.8	38.2	245	68.3	70.5	71.8
1977	21.8	32.5	29.8	19.9	34.5	31.7	18.5	53.9	53.5	5.4	59.5	21.0	66	382.0	25.3	219	33.6	35.9	40.0
1978	42.3	52.9	70.9	53.6	57.6	15.8	-	8.0	73.6	49.2	18.2	81.1	92	523.2	29.4	344	35.2	42.7	45.9
1979	91.3	23.4	-	85.0	-	21.8	16.4	62.2	57.0	69.6	232.9	39.5	85	699.1	124.7	323	130.9	178.8	178.8
1980	85.2	19.0	80.5	32.7	96.4	39.9	-	17.7	34.9	165.8	54.1	94.5	92	720.7	34.7	269	60.6	79.3	89.6
1981	102.4	53.1	70.5	63.0	29.5	23.8	28.1	78.3	33.1	116.7	79.1	101.0	97	778.6	49.9	297	64.3	64.3	83.7
1982	-	28.2	34.7	94.0	49.8	2.3	9.2	56.8	79.0	72.3	97.6	70.5	83	594.4	34.9	321	63.9	80.3	86.2
1983	8.1	42.9	31.7	16.5	43.0	164.6	64.1	22.5	83.8	32.5	83.4	71.4	87	664.5	40.1	165	55.7	75.2	83.1
1984	57.5	48.1	41.2	44.8	6.7	7.5	18.6	65.3	8.5	0.9	26.2	28.4	74	353.7	25.8	11	27.5	27.5	27.5
1985	59.3	20.2	56.0	62.4	82.9	24.2	1.1	6.6	11.5	21.2	153.8	14.6	72	513.8	38.9	9	46.0	76.7	83.9
1986	56.0	-	48.6	5.9	155.7	76.8	50.7	8.7	5.7	36.1	34.6	52.8	84	531.6	32.3	145	46.8	47.9	47.9
1987	75.7	23.4	85.7	41.6	53.0	4.9	4.9	10.6	11.1	77.3	95.3	37.5	85	521.0	30.9	274	41.0	43.1	43.1
1988	29.8	23.3	39.1	43.5	19.4	52.5	-	32.1	35.7	27.9	103.0	44.9	75	451.2	27.0	179	36.4	45.6	46.7
1989	0.7	23.6	18.6	38.2	73.9	115.0	178.0	35.5	35.7	52.6	40.6	49.3	82	661.7	87.0	187	87.0	96.9	98.2
1990	0.5	22.0	1.2	52.6	65.3	14.0	21.2	43.1	21.3	19.9	32.5	219.2	69	512.8	38.1	338	56.2	76.6	88.9
1991	38.6	75.0	38.5	114.8	53.2	14.0	23.9	21.1	58.1	8.8	92.6	-	80	538.6	39.6	268	40.8	48.4	48.4
1992	4.6	11.1	30.1	91.3	-	31.6	12.9	9.0	1.1	59.6	50.2	75.6	58	377.1	34.9	102	56.0	62.9	64.0
1993	41.3	25.2	26.2	34.3	54.7	44.4	0.6	4.4	9.5	43.3	54.2	-	60	338.1	31.3	277	32.4	37.4	41.3
1994	9.2	13.0	-	-	-	-	-	-	-	-	-	-	4	22.2	7.2	11	7.2	13.0	13.0
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AVERAGE	40.5	35.3	42.3	45.7	63.0	48.0	38.8	30.7	37.2	54.4	62.6	62.3							
STD DEV	27.4	23.4	25.3	24.2	35.9	42.0	38.6	24.1	28.0	42.9	50.4	41.9							

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