

NATIONAL METEOROLOGICAL SERVICES AGENCY

STATION: *Debrezeit A.F* ELEMENT: *Daily Rain fall* YEAR: *1977*
(S.H.O.A)

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.2	0.0	0.0	12.5	1.2	0.0	4.4	0.0	14.2	0.0	1.7	0.0	✓
2	10.0	0.0	0.0	0.0	0.0	0.0	4.5	5.0	0.0	0.8	1.7	0.0	✓
3	0.0	0.0	0.0	29.7	6.5	0.0	67.5	27.0	0.0	9.2	0.0	0.0	✓
4	0.0	0.0	0.0	0.0	19.3	0.0	10.8	0.0	3.2	0.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	7.6	0.0	0.0	0.0	
6	0.0	0.0	0.0	0.0	0.0	0.0	0.5	4.9	0.0	0.0	0.0	0.0	✓
7	0.0	0.0	0.0	0.0	5.3	0.0	6.2	0.0	9.6	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.5	0.0	1.3	3.4	0.0	8.6	0.0	0.0	0.0	✓
9	0.0	0.1	0.0	0.0	0.0	0.3	4.6	14.2	0.0	0.0	0.0	0.0	
10	0.0	0.0	0.0	0.0	0.0	0.0	10.4	9.7	14.6	0.0	0.0	0.0	✓
11	10.2	0.1	0.0	42.2	32.3	0.6	112.3	72.3	57.8	10.0	0.4	0.0	
12	0.0	0.3	0.0	0.0	0.0	9.3	0.5	10.0	2.0	0.0	0.0	0.0	
13	0.0	0.6	0.0	0.0	0.0	5.0	10.6	5.1	0.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	0.0	6.3	23.8	17.0	1.3	0.0	0.0	0.0	
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	
16	8.4	0.0	0.0	0.0	0.0	1.5	3.8	0.0	0.3	0.0	0.0	0.0	
17	0.0	0.0	0.0	0.0	0.0	11.5	0.1	4.8	3.9	0.0	0.0	0.0	
18	1.1	0.0	0.0	0.0	0.0	4.5	0.0	8.6	8.5	0.0	0.0	0.0	
19	1.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0	1.6	0.0	0.0	0.0	
20	14.7	0.0	0.0	0.0	0.0	0.0	11.0	0.0	1.5	0.0	0.0	0.0	
21	7.5	0.0	0.0	0.0	0.0	9.0	9.0	27.6	0.0	0.0	0.0	0.0	
22	30.7	0.4	0.0	0.0	0.0	53.6	58.8	73.1	21.9	0.0	0.0	0.0	
23	0.0	0.0	0.0	0.0	0.0	0.0	8.9	10.0	0.0	0.0	0.0	0.0	
24	0.0	0.0	0.0	0.0	2.8	8.6	15.0	2.2	0.0	0.0	0.0	0.0	
25	0.0	0.0	0.0	0.0	0.0	19.8	12.8	0.0	2.5	2.0	0.0	0.0	
26	0.0	0.0	22.2	0.0	20.4	4.5	1.8	6.3	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.5	0.0	22.0	0.0	0.0	
28	2.2	0.0	0.0	2.4	0.0	0.0	26.2	0.0	0.0	1.5	0.0	0.0	
29	0.0	0.0	17.0	18.0	0.0	0.0	24.0	11.9	0.0	3.2	0.0	0.0	
30	0.0	0.0	46.0	6.8	2.1	17.5	1.5	0.0	0.0	26.2	0.0	0.0	
31	0.0	0.0	2.5	18.0	0.0	0.0	0.0	11.0	0.0	17.4	0.0	0.0	
32	0.0	0.0	0.0	2.8	0.0	0.0	0.0	5.7	0.0	6.9	0.0	0.0	
33	0.0	0.0	0.0	0.0	0.0	10.5	9.7	0.0	9.1	0.0	0.0	0.0	
Sum	62.2	0.0	81.7	48.0	25.3	46.1	101.7	57.3	0.0	102.7	0.0	0.0	
M. Sum	43.1	1.0	87.7	90.2	57.6	101.6	272.8	202.7	82.2	112.9	3.4	0.0	
Highest	14.7	0.6	46.0	29.2	20.4	19.8	67.5	27.6	14.6	25.2	0.0	0.0	
Date	19	12	28	3	24	23	3	20	10	25	1		
Lowest													
Date													
Mean													

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NATIONAL METEOROLOGICAL SERVICES AGENCY

STATION: *Debrigarh A.F* ELEMENT: *Daily Rain Fall* YEAR: *1978*
(SNOA)

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	0.0	9.6	0.0	1.4	0.0	0.0	2.2		0.0
2	0.0	0.0	33.6	0.0	8.7	0.0	8.4	23.4	20.5	8.4		0.0
3	0.0	0.0	0.8	0.0	7.0	0.0	0.0	0.0	3.4	1.6		0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.6	6.1	0.0		0.0
5	0.0	0.0	0.1	0.0	0.0	0.0	2.3	8.2	3.0	0.0		0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	4.0		0.0
7	0.0	0.0	0.0	13.2	0.0	0.0	27.0	0.7	12.6	0.0		0.0
8	0.0	0.0	0.0	0.0	0.0	1.6	0.0	5.8	0.0	0.1		0.0
9	0.0	0.0	0.0	19.4	0.0	0.0	0.0	0.0	0.0	0.0		0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	0.0		0.0
	0.0	0.0	34.5	32.6	25.3	0.6	40.8	40.4	13.6	16.8		0.0
11	0.0	0.0	0.0	0.0	0.0	0.7	15.1	0.0	0.0	0.0		0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	10.4	23.6	15.8	0.0		0.0
13	0.0	0.0	0.0	0.0	0.0	3.5	11.0	2.2	3.9	0.0		0.0
	0.0	0.0	0.0	0.0	0.0	0.0	3.4	7.4	9.1	0.0		0.0
15	0.0	4.5	0.0	10.6	0.0	0.0	2.0	8.3	3.8	7.8		0.0
16	1.4	0.0	0.0	0.0	0.0	8.2	8.0	7.8	0.0	0.0		0.0
17	0.0	2.5	0.0	0.0	2.5	20.6	0.0	0.0	5.6	0.0		0.0
18	0.0	0.7	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0		0.1
19	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0		0.0
20	0.0	12.2	0.0	0.0	0.0	0.0	2.7	19.8	0.0	0.0		0.0
	0.4	9.9	0.0	10.6	0.5	34.4	59.6	31.4	38.2	0.8		0.1
21	0.0	3.2	0.0	0.0	0.0	0.1	0.0	4.5	2.0	0.0		0.0
22	0.0	5.6	0.0	0.0	0.0	0.0	4.3	0.8	1.0	0.0		0.0
23	0.0	0.0	0.0	0.0	0.0	3.2	0.0	5.3	0.2	0.0		0.0
24	0.0	5.2	0.0	0.0	0.0	3.0	1.2	0.0	0.0	0.0		0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	3.5	11.7	0.5	0.0		0.0
	0.0	2.0	0.0	0.0	0.0	34.2	5.8	0.0	2.0	0.0		0.0
27	0.0	15.2	0.0	0.0	0.0	0.0	20.2	17.4	0.3	0.0		0.0
28	0.0	17.2	0.0	0.0	0.0	33.2	0.0	10.0	0.0	0.0		0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	12.4	0.0	0.0		0.0
30	0.0		0.0	4.2	0.0	24.0	3.9	27.2	4.5	0.0		0.0
31	0.0		0.0		0.7	1.	0.0	0.0		0.0		0.0
Sum	0.0	49.1	0.0	0.42	0.7	94.3	38.9	49.3	10.5	0.0		0.0
M. Sum	1.4	69.0	34.5	47.4	28.5	133.7	132.3	191.1	122.3	24.6		0.1
Highest	1.4	17.2	33.6	19.4	9.6	34.2	27.0	27.2	28.0	8.9		0.1
Date	16	28	2	9	1	26	7	30	10	2		18
Lowest												
Date												
Mean												

Copied by: Name *Yashwanth Katta* Sig. *YK* 3-4-2 Date.....

NATIONAL METEOROLOGICAL SERVICES-AGENCY

STATION *Debr. cert. A. F.* ELEMENT: *Daily Rain fall*..... YEAR: *1979*
(SNOA)

date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	0.0	0.0	0.0	3.0	1.0	0.0	0.4	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	36.4	2.8	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	34.4	13.4	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	5.0	7.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.9	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	9.0	0.0	12.6	0.0	0.4	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	10.4	0.0	0.0	0.0	1.5	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	14.7	1.2	20.0	0.0	6.4	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	11.9	0.1	1.5	0.0	0.8	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.1	27.8	10.5	17.0	0.6	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	46.1	2.1	123.4	43.8	12.6	0.4	0.0	0.0
11	1.6	0.0	0.0	0.1	2.9	0.0	2.8	0.0	6.0	0.0	0.0	0.0
12	6.5	0.0	6.3	12.6	0.0	0.0	5.0	1.2	0.0	0.0	0.0	0.0
	5.9	0.0	2.0	0.8	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
14	5.9	0.0	4.5	0.0	0.0	4.1	15.0	29.2	2.2	0.0	0.0	0.0
15	26.8	0.0	0.0	0.0	0.0	10.8	4.0	27.5	7.2	0.0	0.0	0.0
16	0.0	0.0	19.5	0.0	0.0	19.5	0.0	1.8	1.0	0.0	0.0	0.0
17	0.0	0.0	8.7	0.0	0.0	0.0	0.0	7.7	3.2	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	14.4	0.0	29.2	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	2.4	13.8	6.0	0.1	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	12.2	0.0	0.0
	46.1	0.0	41.0	13.5	02.9	26.8	17.7	73.4	43.8	12.2	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	1.4	4.9	0.0	0.3	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	5.8	0.0	13.0	0.0	0.0	0.0	0.0	0.0
23	18.0	0.0	0.0	0.0	5.0	25.0	0.0	10.0	8.0	0.0	0.0	0.0
24	0.3	0.0	0.0	0.0	4.2	0.0	0.0	16.0	0.0	0.0	0.0	0.0
	1.6	0.0	0.0	0.0	11.7	0.2	7.0	1.0	0.1	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	3.2	18.3	0.6	1.2	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	2.7	0.0	0.0	0.0	0.1	10.0	0.0	0.0	0.0	0.0	0.0	0.0
29	8.4		2.7	0.0	0.0	0.6	0.0	0.8	0.0	0.0	0.0	0.0
30	0.0		5.2	0.0	0.0	4.6	1.5	9.1	12.7	0.0	0.0	0.0
31	0.0		5.8		0.2		9.1	32.9		0.0		0.0
Sum	31.0	0.0	13.7	0.0	21.0	15.0	53.8	20.4	22.3	0.0	0.0	0.0
1. Sum	77.7	0.0	54.7	13.5	76.0	110.9	224.9	187.6	83.8	12.6	0.0	0.0
Highest	26.8		19.5	12.6	14.7	27.8	36.4	32.9	29.2	12.2		
Date	15		16	12	8	10	2	31	18	20		
Lowest												
Date												
Mean												

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YSK

NATIONAL METEOROLOGICAL SERVICES-AGENCY

STATION: Debrezeit A.F. (SHOA) ELEMENT: Daily Rain Fall YEAR: 1980

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	0.0	3.6	1.0	3.1	15.9	3.5	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	13.7	0.0	0.0	14.5	0.6	0.1	0.0	0.0
3	0.0	0.0	1.4	0.0	9.7	1.4	0.0	56.4	0.0	16.4	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.6	1.9	33.0	2.6	8.2	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	2.0	5.8	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	17.2	2.3	10.6	6.2	1.2	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	1.4	0.5	0.0	3.7	0.6	0.0	0.0
8	0.0	0.0	30.8	0.1	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0
9	0.0	0.0	0.0	12.0	0.0	0.0	10.9	0.0	6.4	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	75.0	0.0	3.4	0.0	0.0	0.0
11	0.0	0.0	32.2	12.1	27.0	31.5	94.9	138.4	35.8	32.3	0.0	0.0
12	0.0	5.8	0.0	0.0	0.0	0.0	12.0	0.0	4.6	0.0	0.0	0.0
13	0.0	2.5	0.0	0.0	0.0	0.0	19.2	0.0	0.2	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	12.8	11.8	2.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.6	0.0	1.3	3.4	8.3	1.8	0.0	0.0	0.0
16	0.0	0.0	0.0	1.2	0.0	0.0	0.0	6.1	0.1	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.6	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	7.5	0.0	5.3	16.8	0.2	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	2.8	0.0	13.7	0.1	0.0	0.7	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.5	6.1	5.3	0.0	0.0	0.0	0.0
21	0.0	08.3	0.1	12.1	0.0	20.8	79.0	45.9	12.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	5.5	10.9	6.7	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
25	4.2	1.8	0.0	0.0	0.0	0.0	16.6	7.2	2.6	0.0	0.0	0.0
26	4.9	0.0	0.0	0.0	0.0	0.1	3.2	15.8	7.6	0.0	0.0	0.0
27	5.9	0.0	0.0	0.0	0.0	0.0	12.7	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.1	1.3	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	2.5	18.6	2.7	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	36.7	2.5	3.2	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		3.2		7.3	3.5		0.0		0.0
Sum	20.0	11.8	0.0	0.0	42.4	33.7	68.5	24.2	10.3	08.4	0.0	0.0
1. Sum	20.0	10.1	32.3	24.2	69.4	76.1	242.4	215.5	58.1	40.7	0.0	0.0
Highest	9.9	5.8	30.8	12.0	36.7	18.6	75.0	56.4	7.6	16.4		
Date	26	11	8	9	30	29	10	3	26	3		
Lowest												
Date												
Mean												

Copied by Name Yesudwork Fassa Sig. Yesud 3-4-4 ano..... Sign.....

NATIONAL METEOROLOGICAL SERVICES-AGENCY

STATION: *Dencezeit A.F. (SHOA)* ELEMENT: *Daily Rain fall* YEAR: *1981*

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	0.5	0.0	0.0	5.4	1.8	13.7	0.0	0.0	0.0
2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	19.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.4	0.0	0.0	1.4	0.2	0.0	3.4	0.0	0.0
4	0.0	0.0	16.2	0.0	0.0	0.0	0.0	0.7	0.0	TR	0.0	0.0
5	0.0	0.0	8.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0
6	0.0	0.0	7.0	0.0	0.0	0.0	28.3	3.2	0.0	0.0	0.0	0.0
7	0.0	0.0	0.4	0.7	0.0	0.0	0.6	13.4	0.0	0.3	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	10.0	TR	12.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	6.8	3.3	0.0	0.0	0.0	0.0
	0.0	0.0	31.6	0.7	0.0	0.0	52.5	TR	25.7	0.2	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	21.8	TR	38.4	0.0	0.0	0.0
	0.0	13.5	0.0	0.0	0.0	0.0	4.5	0.1	1.7	0.0	0.0	0.0
13	0.0	7.0	0.0	0.0	0.0	0.0	4.7	11.0	4.6	0.0	0.0	0.0
14	0.0	0.0	12.3	0.0	0.0	0.0	1.5	4.7	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	7.0	0.0	0.2	14.7	8.9	0.0	0.0	0.0	0.0
16	0.0	0.0	0.7	28.4	0.0	3.4	0.4	6.0	1.6	0.0	0.0	0.0
17	0.0	0.0	5.0	0.7	2.0	0.2	14.4	16.4	37.0	0.0	0.0	0.0
18	0.0	0.0	0.9	1.0	3.2	5.7	6.2	2.3	4.9	0.0	0.0	0.0
19	0.0	0.0	6.7	0.0	0.0	0.0	11.6	0.0	5.0	0.0	0.0	0.0
20	0.0	0.0	11.3	0.0	0.0	TR	11.2	1.5	3.6	0.0	0.0	0.0
	0.0	20.5	36.9	37.1	0.5	0.5	09.5	91.0	50.9	96.8	0.0	0.0
21	0.0	0.0	1.1	1.5	0.0	0.0	5.5	0.0	2.9	0.0	0.0	0.0
22	0.0	0.0	11.3	16.3	0.0	1.6	21.2	6.8	11.2	0.0	0.0	0.0
23	0.0	0.0	32.2	4.0	0.0	4.5	22.4	5.6	0.0	0.0	0.0	0.0
	0.0	0.0	12.0	0.0	0.0	0.0	21.2	0.0	10.1	0.0	0.0	0.0
25	0.0	0.0	2.2	1.5	1.0	9.5	27.3	8.2	0.3	0.0	0.0	0.0
26	0.0	0.0	4.0	0.0	0.0	3.4	3.0	3.8	15.8	0.0	0.0	0.0
27	0.0	0.0	13.4	0.0	0.0	6.0	16.0	0.8	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	1.6	14.4	0.0	0.0	0.0	0.0
29	0.0		2.7	0.0	0.9	0.0	0.1	0.1	0.0	0.0	0.0	0.0
30	0.0		0.2	0.0	0.0	1.3	25.4	4.4	0.0	0.0	0.0	0.0
31	0.0		16.6		0.0		7.4	9.7		0.0		1.2
Sum	0.0	0.0	25.4	23.3	01.9	26.3	151.1	53.8	40.3	0.0	0.0	01.2
1. Sum	0.0	20.5	164.2	62.1	7.1	35.8	294.6	151.8	162.8	4.2	0.0	1.2
Highest		13.5	32.2	28.4	3.2	9.5	28.3	19.0	38.4	3.9		1.2
Date		12	23	16	18	25	6	2	11	3		31
Lowest												
Date												
Mean												

Copied by Name *Yeshiwork Kassa* Sig. *Y.K.* 3-4-5 Name.....

NATIONAL METEOROLOGICAL SERVICES AGENCY

STATION: Debrezeit, A.F. ELEMENT: Daily Rain Fall..... YEAR: 1955
(SNOA)

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0	0.0	0.0	13.9	0.0	0.0	0.0	3.1	3.5	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	15.8	0.0	0.0	0.0	
3	0.0	0.0	0.0	0.0	0.0	0.0	3.6	7.8	0.7	0.0	0.0	0.0	
4	0.0	0.0	0.0	0.0	0.0	0.0	8.4	2.3	5.8	5.2	0.0	0.0	
5	0.0	0.0	0.0	0.0	0.0	0.0	4.5	3.6	5.0	9.6	0.0	0.0	
6	4.5	0.0	0.0	1.5	0.0	0.0	0.0	2.0	0.3	0.0	6.8	0.0	
7	0.0	0.0	0.0	1.6	0.0	0.0	2.6	0.7	4.0	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	3.2	0.0	9.8	0.0	0.0	0.1	0.0	0.0	
9	0.0	0.0	0.0	0.0	21.4	0.0	1.0	18.4	0.9	0.0	2.0	0.0	
10	0.0	0.0	0.0	0.0	2.5	0.0	0.0	2.9	0.0	0.0	0.0	0.0	
11	0.0	0.0	0.0	0.0	1.0	0.0	42.9	41.5	35.3	14.9	06.8	0.0	
12	0.0	39.2	0.0	11.0	18.0	1.0	0.0	5.6	0.0	0.0	2.0	0.0	
13	0.0	13.2	0.0	1.8	9.5	10.7	0.0	10.5	1.7	0.0	0.0	0.0	
14	8.0	13.8	0.0	3.3	0.1	0.0	0.0	2.1	3.0	8.6	0.0	0.0	
15	8.3	0.0	0.0	6.7	0.0	1.8	0.0	0.0	2.4	2.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	1.9	1.9	16.2	0.6	0.3	0.0	0.0	0.0	
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	
18	0.0	0.0	0.0	2.7	0.0	9.7	0.0	0.0	0.8	0.0	2.6	0.0	
19	0.0	0.0	0.0	0.0	0.0	0.0	1.8	17.5	0.2	0.0	0.0	0.0	
20	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.6	0.2	0.0	0.0	0.0	
21	16.3	66.2	0.0	25.5	20.6	29.9	18.0	73.5	08.1	10.6	02.6	0.0	
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	0.0	0.0	0.0	
23	0.0	0.0	0.0	3.8	0.0	0.0	0.1	20.2	0.0	0.0	0.0	0.0	
24	0.0	0.0	0.0	0.0	0.0	0.0	26.8	4.3	0.0	0.0	0.0	0.0	
25	0.0	0.0	0.0	1.0	0.0	0.0	11.1	4.8	2.5	0.0	0.0	0.0	
26	0.0	3.7	0.0	0.0	0.0	6.1	4.2	31.3	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	0.0	0.0	38.2	0.0	30.6	0.0	0.0	0.0	0.0	
29	0.0	5.5	11.8	0.0	0.0	0.1	6.8	10.8	0.0	0.0	0.0	0.0	
30	0.0		13.5	0.0	0.0	3.8	0.1	2.3	0.0	0.0	0.0	0.0	
31	0.0		2.0	0.0	0.0	12.9	7.4	10.0	0.0	0.0	0.0	0.0	
32	0.0		7.2		0.0		6.5	1.2		0.0		0.0	
33	0.0	0.2	34.5	04.8	0.0	61.1	63.0	118.6	02.5	0.0	0.0	0.0	
1. Sum	20.8	75.4	34.5	47.3	57.7	91.0	123.9	233.6	46.1	25.5	9.4	0.0	
Highest	8.3	39.2	13.5	13.9	21.4	38.2	26.8	35.2	15.6	9.6	6.8		
Date	15	12	29	1	9	27	23	11	2	5	6		
Lowest													
Date													
Mean													

Copied by Name Yeshiwark Fassa Sig. Y.F. 3-4-6 and.....

NATIONAL METEOROLOGICAL SERVICES AGENCY

STATION: Nebrereit, A.F. ELEMENT: Daily Rain Fall YEAR: 1983
(SMA)

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	0.0	0.0	15.4	36.2	21.0	4.8	0.0	0.0	0.0
2	0.0	0.0	0.0	1.1	0.0	1.5	1.8	0.0	0.5	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	13.1	4.5	0.0	0.0	4.5	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	9.5	0.0	6.8	0.0	TR.	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	14.8	Trace	0.0	0.0	40.8	TR.	0.0	0.0	0.0
7	0.0	0.0	0.0	14.4	0.0	4.8	0.0	1.2	2.9	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	Trace	0.0	4.5	35.4	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	3.1	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	Trace	0.0	0.0	TR.	6.0	0.0	0.0	0.0
11	0.0	0.0	0.0	52.9	0.5	28.5	42.5	103.4	1.3	0.0	0.0	0.0
12	0.0	0.0	0.0	TR.	0.0	0.0	0.0	42.6	TR.	0.0	0.0	0.0
13	0.0	0.0	26.0	TR.	0.0	0.0	0.0	8.8	9.0	0.0	0.0	0.0
14	0.0	0.0	Trace	0.0	2.1	0.0	0.0	1.2	0.4	0.0	0.0	0.0
15	0.0	0.0	14.6	0.0	4.6	0.0	0.0	25.8	5.2	0.0	0.0	0.0
16	0.0	0.0	3.6	0.0	0.6	0.0	3.0	1.3	1.2	0.0	0.0	0.0
17	0.0	0.0	0.0	21.9	0.0	TR.	1.2	0.4	10.6	0.0	0.0	0.0
18	0.0	4.3	0.0	1.0	33.9	12.1	0.0	17.8	0.0	12.0	0.0	0.0
19	0.0	5.9	0.0	1.1	37.5	TR.	0.0	0.0	8.6	11.4	0.0	0.0
20	0.0	0.0	0.0	0.0	17.6	46.4	0.0	0.0	0.5	0.0	0.0	0.0
21	0.0	0.0	0.0	1.5	0.0	TR.	7.0	19.8	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	26.8	5.7	0.0	5.0	17.9	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	TR.	35.6	5.4	1.4	1.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	1.6	0.0	13.5	10.8	0.0	0.0	0.0	0.0
25	0.0	0.0	2.6	0.0	4.8	0.0	8.4	12.8	1.4	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	5.7	0.0	0.4	14.8	1.2	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	1.5	0.0	5.2	11.8	1.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	19.0	9.6	13.5	0.0	0.4	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	15.9	4.5	21.2	1.9	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	31.5	19.4	19.5	0.0	0.0	0.0	0.0
31	0.0	0.0	16.0	0.0	35.0	0.0	3.8	16.4	0.0	0.0	0.0	0.0
Sum	0.0	0.0	46.6	38.3	108.9	62.4	82.1	136.0	85.9	0.0	0.0	0.0
1. Sum	0.0	10.2	15.2	105.2	209.5	149.0	188.8	344.8	88.6	23.4	0.0	0.0
Highest	0.0	5.9	26.0	26.8	37.5	46.4	36.2	42.6	29.9	12.0	0.0	0.0
Date		19	13	22	19	20	1	12	11	18		
Lowest												
Date												
Mean												

Copied by Name Jeshwork Falls Sig. 1/2/83 3-4-7 am. Sig. 1/2/83

ETHIOPIAN METEOROLOGICAL SERVICE.

FORM STATION *D. 7. 111* (Name) *Csilloh* ELEMENT *daily Rain fall in mm*
 YEAR *1984* Maximum Temperature, Surface.

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0	0.0	0.0	0.0	0.0	0.0	16.2	2.1	1.4	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.7	8.5	0.0	0.0	0.0	
3	0.0	0.0	0.0	0.0	0.0	1.7	3.1	5.2	0.0	0.0	0.0	0.0	
4	0.0	0.0	0.0	0.0	0.0	9.4	17.2	9.0	0.0	0.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	0.0	12.4	21.6	0.0	8.5	0.0	0.0	0.0	
6	0.0	0.0	0.0	0.0	0.0	0.1	0.0	1.2	4.7	0.0	0.0	0.0	
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.8	9.4	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	6.0	0.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	2.6	0.1	0.0	TR	18.5	0.0	0.0	0.0	
10	0.0	0.0	0.0	0.0	2.0	2.5	0.0	0.0	1.3	0.0	0.0	0.0	
11	0.0	0.0	0.0	0.0	0.0	8.0	10.8	0.0	5.2	0.0	0.0	2.5	
12	0.0	0.0	0.0	0.0	6.7	TR	9.0	4.3	TR	0.0	0.0	1.1	
13	0.0	0.0	0.0	0.0	10.7	1.2	7.0	0.0	9.1	0.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	0.0	0.0	8.1	8.4	0.0	0.0	0.0	0.0	
15	0.0	0.0	0.0	0.0	0.5	0.7	8.2	0.0	0.5	0.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	0.5	13.8	4.8	0.0	0.0	0.0	0.0	
17	0.0	0.0	0.0	0.0	10.0	3.3	15.0	1.4	3.8	0.0	0.0	0.0	
18	0.0	0.0	0.0	0.0	0.0	8.8	4.0	36.5	0.0	0.0	0.0	0.0	
19	0.0	0.0	0.0	0.0	42.8	3.3	7.9	22.2	0.0	0.0	0.0	0.0	
20	0.0	0.0	0.0	0.0	4.2	17.8	0.0	11.6	1.8	0.0	0.0	0.0	
21	0.0	0.0	0.0	0.0	0.7	16.0	13.0	0.0	6.4	0.0	0.0	0.0	
22	0.0	0.0	0.0	0.0	0.0	TR	0.0	0.0	3.9	0.0	0.0	0.0	
23	0.0	0.0	0.0	0.0	10.0	4.6	17.0	0.0	0.0	0.0	0.0	0.0	
24	0.0	0.0	0.0	0.0	11.0	3.9	10.3	0.1	0.0	0.0	0.0	0.0	
25	0.0	0.0	0.0	0.0	0.0	0.0	18.5	4.4	0.0	0.0	0.0	0.0	
26	0.0	0.0	0.0	0.0	22.6	5.5	0.0	10.1	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	14.8	7.8	7.3	TR	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	0.0	0.0	2.0	9.3	2.0	0.0	0.0	0.0	0.0	
29	0.0	0.0	0.0	0.0	8.7	2.8	16.9	8.9	0.0	0.0	0.0	0.0	
30	0.0	0.0	0.0	0.0	0.0	8.2	7.3	41.6	0.0	0.0	0.0	0.0	
31	0.0	0.0	0.0	0.0	1.4	4.8	1.5	10.3	0.0	0.0	0.0	0.0	
32	0.0	0.0	0.0	0.0	89.2	36.0	94.4	68.9	
33	0.0	0.0	0.0	0.0	108.7	80.7	220.5	218.0	85.0	0.0	0.0	3.6	Total
													Mean
													Highest
													Date
													Lowest
													Date
													Number of

ETHIOPIAN METEOROLOGICAL SERVICE.

Date		(Name) (Station)		YEAR 1984		ELEMENT: <i>dry</i> Rain-fall in mm Mercury Temperature-Surface.											
				MONTHS													
				I II III IV V VI VII VIII IX X XI XII													
1	0.0	0.0	0.0	0.0	0.0	0.0	16.2	2.1	1.4	0.0	0.0	0.0					
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.7	8.5	0.0	0.0	0.0					
3	0.0	0.0	0.0	0.0	0.0	1.7	3.1	5.2	0.0	0.0	0.0	0.0					
4	0.0	0.0	0.0	0.0	0.0	9.4	17.2	9.0	0.0	0.0	0.0	0.0					
5	0.0	0.0	0.0	0.0	0.0	12.4	2.6	0.0	8.5	0.0	0.0	0.0					
6	0.0	0.0	0.0	0.0	0.0	0.1	0.0	1.2	4.9	0.0	0.0	0.0					
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.8	9.4	0.0	0.0	0.0					
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	6.0	0.0	0.0	0.0					
9	0.0	0.0	0.0	0.0	2.6	0.2	0.0	TR	18.5	0.0	0.0	0.0					
10	0.0	0.0	0.0	0.0	2.0	2.5	0.0	0.0	1.3	0.0	0.0	0.0					
11	0.0	0.0	0.0	0.0	0.0	0.0	10.8	0.0	5.2	0.0	0.0	2.5					
12	0.0	0.0	0.0	0.0	6.7	TR	9.0	4.3	TR	0.0	0.0	1.1					
13	0.0	0.0	0.0	0.0	10.7	1.2	7.0	0.0	9.1	0.0	0.0	0.0					
14	0.0	0.0	0.0	0.0	0.0	0.0	8.1	8.4	0.0	0.0	0.0	0.0					
15	0.0	0.0	0.0	0.0	0.5	0.7	8.2	0.0	0.5	0.0	0.0	0.0					
16	0.0	0.0	5.8	0.0	0.0	0.5	13.8	4.8	0.0	0.0	0.0	0.0					
17	0.0	0.0	0.4	0.0	0.0	3.3	15.0	1.4	3.8	0.0	0.0	0.0					
18	0.0	0.0	0.0	0.0	0.0	8.8	4.0	36.5	0.0	0.0	0.0	0.0					
19	0.0	0.0	0.0	0.0	12.8	3.3	7.9	22.2	0.0	0.0	0.0	0.0					
20	0.0	0.0	0.0	0.0	4.2	1.6	0.2	0.0	1.8	0.0	0.0	0.0					
21	0.0	0.0	0.0	0.0	0.7	6.0	13.0	0.0	6.4	0.0	0.0	0.0					
22	0.0	0.0	0.0	0.0	0.0	TR	0.0	0.0	3.9	0.0	0.0	0.0					
23	0.0	0.0	0.0	0.0	0.0	4.6	17.0	0.0	0.0	0.0	0.0	0.0					
24	0.0	0.0	0.0	0.0	11.0	3.9	0.3	0.1	0.0	0.0	0.0	0.0					
25	0.0	0.0	0.0	0.0	0.0	0.0	18.5	4.7	0.0	0.0	0.0	0.0					
26	0.0	0.0	0.0	0.0	22.6	5.5	0.0	10.1	0.0	0.0	0.0	0.0					
27	0.0	0.0	0.0	0.0	4.8	1.8	7.3	TR	0.0	0.0	0.0	0.0					
28	0.0	0.0	0.0	0.0	0.0	2.2	9.3	2.0	0.0	0.0	0.0	0.0					
29	0.0	0.0	0.0	0.0	8.7	2.8	16.9	8.9	0.0	0.0	0.0	0.0					
30	0.0	0.0	0.0	0.0	0.0	8.2	7.3	41.6	0.0	0.0	0.0	0.0					
31	0.0	0.0	0.0	0.0	1.4	4.8	1.5	10.3	0.0			0.0					
					37.2	36.0	97.1	68.9									
	108.7	0.0	0.0	0.0	108.7	80.7	220.5	218.0	85.0	0.0	0.0	3.6	Total				
													Mean				
					112.8	12.4	18.5	41.6	18.5			2.5	Highest				
					19	5	25	30	9			11	Date				
													Lowest				
													Date				
													Number of				



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: DEBRE ZEIT Wereda _____ Awraja _____ Region: SHGA
 Alt. A.F Long. _____ Lat. _____ Element Daily Rainfall year 1955

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	8.7	T.R	0.0	0.0	14.0	14.7	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	T.R	19.8	12.1	T.R	0.0	0.0	0.0
3	0.0	0.0	0.0	T.R	0.0	0.0	43.7	21.0	0.1	0.0	0.0	0.0
4	0.0	0.0	0.0	T.R	0.0	0.0	16.4	23.0	0.0	22.2	0.0	0.0
5	0.0	0.0	0.0	0.0	14.7	T.R	6.2	10.3	54.9	0.0	0.0	0.0
6	0.0	0.0	T.R	13.8	45.0	0.0	25.2	2.1	0.0	T.R	0.0	T.R
7	0.0	0.0	0.0	7.9	7.5	0.0	0.3	0.0	10.9	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.1	1.9	T.R	22.5	2.2	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	31.2	T.R	6.2	25.2	0.2	14.7	0.0	0.0
10	0.0	0.0	0.0	T.R	T.R	0.0	1.6	5.2	1.5	0.0	0.0	0.0
	0.0	0.0	T.R	30.4	98.5	1.9	122.9	136.6	84.8	1.1	0.0	T.R
11	0.0	0.0	0.0	2.4	2.3	5.6	0.6	15.0	T.R	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	5.4	3.3	2.3	0.0	0.0	0.0
13	0.0	0.0	0.0	T.R	T.R	T.R	2.7	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.7	0.0	0.0	0.4	14.5	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	3.5	15.2	4.9	0.0	0.0	0.0
16	0.0	0.0	0.0	8.4	6.1	0.5	14.3	1.1	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	T.R	2.4	10.5	15.8	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	1.8	T.R	2.1	5.6	0.4	0.0	16.9	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	9.4	9.4	6.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.1	5.9	3.4	0.0	0.0	0.0
	0.0	0.0	1.8	11.5	12.9	31.6	53.1	61.0	27.0	0.0	0.0	0.0
21	0.0	0.0	2.2	0.0	0.0	13.9	20.4	10.4	T.R	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	T.R	T.R	19.8	10.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	9.5	T.R	1.6	5.1	0.0	0.0	0.0
24	3.5	0.0	0.0	6.2	0.0	0.0	8.6	0.4	2.6	0.0	0.0	0.0
25	T.R	0.0	0.0	T.R	T.R	14.0	18.2	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	2.4	T.R	0.0	0.0	8.2	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	T.R	2.7	T.R	2.2	3.5	T.R	0.0	0.0	0.0	0.0
28	0.0	0.0	6.1	0.5	0.0	0.9	34.0	T.R	0.0	0.0	0.0	0.0
29	0.0		2.0	7.7	0.0	T.R	5.1	46.3	0.0	0.0	0.0	0.0
30	0.0		0.0	4.1	0.0	0.0	11.5	11.2	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		14.1	5.7				
Sum	3.5	0.0	12.7	21.7	T.R	40.5	131.3	95.1	18.2	0.0	0.0	0.0
M. Sum	3.5		14.5	63.6	111.4	24.0	307.3	292.7	130.0	1.1		
Mean												
Hig.	3.5		6.1	13.8	45.0	14.0	43.7	46.8	54.9	0.9		T.R
Date	24		28	6	6	25	3	29	5	9		6
Low												
Date	11	0	5	11	9	11	27					



NATIONAL METEOROLOGICAL SERVICES AGENCY

2/49
Sept 1986

Station: DEBRE ZEIT A.F. Wereda Awraja Region SHOA

Alt. _____ Long. _____ Lat. _____ Element DAILY RAINFALL Year 1986

ARTIFICIAL PRINTING SYSTEM

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1							6.7	0.0	TR	5.0	0.0	0.0
2							2.8	0.1	3.0	3.0	0.0	0.0
3							0.0	6.2	0.0	0.5	0.0	0.0
4							0.0	0.0	0.5	2.6	0.0	0.0
5							5.3	0.0	32.1	0.0	0.0	0.0
6							0.0	1.1	8.0	0.0	0.0	0.0
7							2.5	7.6	4.4	0.0	0.0	0.0
8							0.0	22.0	15.7	0.0	0.0	0.0
9							0.0	3.0	0.2	0.0	0.0	TR
10							0.0	1.0	0.0	0.0	0.0	0.0
11							17.3	41.0	63.9	11.1	0.0	0.0
12							0.0	TR	TR	0.0	0.0	0.0
13							TR	10.5	3.0	0.0	0.0	0.0
14							TR	1.2	5.0	0.0	0.0	0.0
15							TR	0.4	2.6	0.2	0.0	0.0
16							3.8	4.8	22.2	0.0	0.0	0.0
17							0.3	3.1	14.5	0.0	0.0	0.0
18							0.0	TR	2.4	0.0	0.0	0.0
19							11.0	4.8	0.0	0.0	0.0	0.0
20							8.3	0.0	0.0	0.0	0.0	0.0
21							19.0	4.9	0.0	TR	0.0	0.0
22							42.4	28.8	49.7	0.2	0.0	0.0
23							2.2	0.0	15.0	TR	0.0	0.0
24							1.0	1.0	0.6	TR	0.0	0.0
25							0.0	0.9	1.4	0.0	0.0	0.0
26							2.0	TR	0.0	0.0	0.0	0.0
27							1.4	0.0	0.0	0.0	0.0	0.0
28							TR	10.0	0.0	0.0	0.0	0.0
29							6.9	0.8	0.0	0.0	0.0	0.0
30							5.4	2.5	0.0	0.0	0.0	0.0
31							2.7	31.0	0.0	0.0	0.0	0.0
Sum							0.5	0.2	0.0	0.0	0.0	0.0
M. Sum							0.0	0.7		0.0		0.0
Mean							22.1	47.1	117.0	TR	0.0	0.0
Hig.							81.8	116.9	130.6	11.3		
Date							18.0	31.0	32.1	5.0	0.0	
Low							2.0	2.8	5	1		
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

249

Station: DEBRE ZELTA F. Wereda

Awraja

Region SHOA

Alt. _____ Long. _____

Lat. _____

Element Daily Rain fall Year 1987

METRIC UNITS ONLY

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.7	2.0	0.0	6.4	TR	TR	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.5	0.0	3.0	0.0	0.0	0.0	0.0
3	0.0	0.0	TR	0.0	0.0	0.0	0.0	TR	0.0	3.6	0.0	0.0
4	0.0	0.0	0.0	12.0	0.0	0.0	TR	3.6	0.0	0.0	0.0	0.0
5	0.0	0.0	45.8	9.9	0.0	0.4	TR	10.0	4.8	1.0	0.0	0.0
6	0.0	0.0	1.8	21.0	0.5	1.5	17.0	TR	0.7	0.0	0.0	0.0
7	0.0	0.0	13.0	8.9	TR	0.0	0.0	0.0	0.5	0.0	0.0	0.0
8	0.0	0.0	0.0	TR	22.6	21.6	11.8	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	15.0	3.6	TR	0.4	0.2	14.0	0.0	TR	0.0	0.0
10	0.0	0.0	12.6	0.0	'	3.6	0.3	24.4	1.6	0.0	0.0	0.0
	0.0	0.0	88.9	57.4	23.1	34.4	29.3	55.0	7.6	4.6	0.0	0.0
11	0.0	0.0	0.0	32.7	TR	2.7	0.3	9.8	35.8	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	TR	0.0	0.2	0.8	0.0	0.0	0.0	0.0
13	0.0	0.0	7.8	0.0	0.5	0.0	0.0	26.7	0.0	0.0	0.0	0.0
14	0.0	0.0	12.0	0.0	TR	0.0	1.4	1.7	3.4	0.0	0.0	0.0
15	0.0	0.0	0.2	0.0	0.0	TR	2.6	12.0	TR	0.0	0.0	0.0
16	0.0	0.0	0.8	0.0	0.0	0.0	0.0	1.0	TR	0.0	0.0	0.0
17	0.0	0.0	2.0	0.0	0.0	0.5	1.2	4.4	0.0	0.0	0.0	0.0
18	0.0	3.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	TR	5.0	0.0	1.8	3.2	0.0	0.9	0.0	0.0	0.0	0.0
20	0.0	45.0	0.0	TR	13.2	0.5	6.6	10.0	1.7	0.0	0.0	0.0
	0.0	48.0	27.8	32.7	15.5	8.4	12.3	67.3	40.9	0.0	0.0	0.0
21	0.0	3.0	TR	0.0	x	0.0	2.0	1.7	TR	0.0	0.0	0.0
22	0.0	2.4	0.0	0.0	8.7	TR	0.5	3.0	1.2	0.0	0.0	0.0
23	0.0	27.0	0.0	0.0	13.4	0.0	5.0	2.0	19.9	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	41.6	4.0	25.2	7.7	5.4	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	8.4	0.0	4.8	TR	TR	0.0	0.0
26	0.0	37.5	TR	0.0	5.2	2.2	0.0	2.7	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	27.0	TR	0.0	1.3	0.0	0.0	0.0	0.0
28	0.0	2.5	46.0	0.0	12.5	0.8	5.5	0.7	0.0	TR	0.0	0.0
29	0.0	1.8	13.8	0.0	14.3	6.3	0.0	9.7	0.0	0.0	0.0	0.0
30	0.0	1.2	0.0	0.0	1.7	1.0	TR	0.0	5.9	0.0	0.0	0.0
31	0.0	0.5	0.0	0.0	1.0	0.0	3.5	0.0	x	0.0	0.0	0.0
Sum	0.0	13.4	21.5	0.0	125.4	22.7	41.7	33.6	32.4	TR	0.0	0.0
M. Sum		6.4	138.2	90.1	164.0	65.5	83.3	155.9	80.9	4.6		
Mean												
Hig.		4.50	4.58	32.7	4.16	21.6	25.2	26.7	35.8	3.6		
Date		20	5	11	24	8	24	13	11	3		
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: DEBRE ZEIT (A) Vereda Avraja Region SITOA
 Alt. _____ Long. _____ Lat. _____ Element Daily rainfall Year 1988
in mm

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	0.0	15.0	11.4	X	11.5	4.0	TR	0.0	0.0
2	0.0	0.0	3.0	0.0	0.0	4.4	0.0	8.8	0.4	TR	0.0	0.0
3	2.0	0.0	0.0	0.0	0.0	3.5	2.6	10.1	5.7	0.0	0.0	0.0
4	6.0	0.0	0.0	0.0	0.0	19.6	12.0	15.0	1.5	0.0	0.0	0.0
5	0.0	0.0	0.0	2.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	X	7.0	0.9	0.0	TR	0.0	0.0
7	0.0	0.0	0.0	TR	0.0	TR	7.4	4.5	0.4	TR	0.0	0.0
8	0.0	TR	0.0	TR	X	2.0	TR	21.0	1.8	TR	0.0	0.0
9	0.0	1.0	0.0	0.0	0.0	0.0	6.5	0.0	18.0	TR	0.0	0.0
10	0.0	0.0	0.0	1.0	0.0	TR	24.5	4.5	17.2	0.0	0.0	TR
11	8.0	TR	3.0	3.0	15.0	10.9	60.0	18.7	49.0			
12	0.0	0.0	0.0	TR	0.0	TR	4.0	15.5	26.4	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	14.0	0.0	TR	TR	0.0	0.0	0.0	0.0
14	0.0	7.0	0.0	TR	7.6	12.0	1.4	5.3	5.0	0.5	0.0	0.0
15	0.0	5.0	0.0	TR	0.0	TR	17.9	22.4	0.0	X	0.0	0.0
16	0.0	1.9	0.0	0.0	0.0	0.0	2.3	0.0	TR	4.7	0.0	0.0
17	0.0	0.0	0.0	TR	0.0	0.0	1.0	0.8	10.0	7.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	10.0	TR	0.2	0.7	4.4	0.0	0.0
19	0.0	0.0	0.0	1.7	0.0	3.4	5.9	17.1	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	TR	0.0	3.0	19.0	2.8	0.0	0.0	0.0
21	TR	0.0	0.0	3.0	0.0	2.0	TR	1.5	12.5	0.0	0.0	0.0
22	TR	13.4	0.0	4.7	21.6	27.4	35.5	81.8	57.4	16.6	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	TR	TR	30.6	1.8	0.0	0.0	0.0
24	0.0	0.0	0.0	3.3	0.0	TR	0.0	5.2	1.7	0.0	0.0	0.0
25	0.0	1.0	0.0	TR	0.0	9.0	32.5	TR	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	2.0	0.9	7.0	1.4	0.0	0.0	0.0
27	0.0	0.0	0.0	1.1	0.0	6.4	2.8	4.4	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	3.8	0.0	1.4	TR	20.2	4.0	0.0	0.0	0.0
29	0.0	0.0	0.0	16.8	TR	0.1	TR	1.1	TR	0.0	0.0	0.0
30	0.0	0.0	0.0	TR	0.0	4.0	TR	1.1	1.8	0.0	0.0	0.0
31	0.0	0.0	0.0	8.0	0.0	5.4	TR	0.7	3.2	0.0	0.0	0.0
32	0.0	0.0	0.0	3.9	0.0	4.0	2.0	6.0	1.1	0.0	0.0	0.0
33	0.0	0.0	0.0	0.2			12.2	TR		0.0		0.0
Sum	0.0	1.0	3.0	36.9	0.2	32.3	50.4	76.3	15.0	0.0	1.6	0.0
M. Sum	8.0	14.9	6.0	44.6	36.8	100.8	145.9	236.8	121.1	16.6	0.0	0.0
Mean												
Hig	6.0	11.0	3.0	16.8	15.0	19.6	32.5	30.6	26.4	7.0		
Days												
Low												
Date												

2nd class



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: D. Z. AIR FORCE Wereda Awraja Region SHOA
 Alt. 3,900M Long. Lat. Element DAILY RAINFALL Year 1989

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	11.7	X	0.0	4.0	0.0	8.2	TR	0.0	0.0
2	0.0	0.0	0.0	0.8	0.0	0.0	1.9	0.6	5.8	TR	0.0	0.0
3	0.0	0.0	0.0	0.4	0.0	0.0	0.8	26.4	22.7	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	2.7	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.6	0.0	0.0	0.0	0.0
6	0.0	5.0	0.0	2.3	0.0	0.0	0.9	7.0	2.9	0.0	0.0	0.0
7	0.0	2.0	0.0	0.0	0.0	0.0	TR	7.7	0.0	0.0	0.0	0.0
8	0.0	1.0	0.0	TR	0.0	0.0	4.0	TR	2.0	0.0	0.0	0.0
9	0.0	4.0	0.0	0.5	0.0	6.0	3.4	0.7	15.5	0.0	0.0	0.0
10	0.0	0.2	0.0	3.8	0.0	TR	21.0	3.8	1.5	0.0	0.0	0.0
	0.0	12.2	0.0	17.5	0.0	6.0	42.0	59.2	39.3	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	14.9	0.0	0.0	5.7	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	6.0	20.0	2.8	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	15.6	22.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	TR	0.0	13.2	5.0	0.0	0.0	0.0
15	0.0	0.0	0.8	0.0	TR	0.0	0.0	TR	0.0	0.0	0.0	0.0
16	0.0	0.0	TR	0.0	0.4	0.0	2.9	5.5	1.9	0.0	0.0	0.0
17	TR	0.0	4.2	0.0	0.0	TR	TR	TR	0.0	0.0	0.0	0.0
18	TR	0.0	3.0	0.0	0.0	0.5	1.2	1.5	4.0	0.0	0.0	0.0
19	0.0	0.0	12.6	0.0	0.0	0.0	1.4	0.7	8.0	0.6	0.0	0.0
20	0.9	0.0	0.0	2.8	0.0	0.0	TR	0.5	0.0	20.6	0.0	0.0
	0.9	0.0	20.6	0.8	0.4	39.0	47.5	24.2	11.0	21.2	0.0	0.0
21	0.6	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	TR	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	TR	18.5	1.4	1.0	0.0	0.0	0.0
23	0.0	0.0	14.5	0.0	0.0	0.2	0.0	TR	0.0	0.0	0.0	0.0
24	0.0	0.0	TR	0.4	0.0	0.2	16.8	0.0	7.6	0.0	0.0	0.0
25	0.0	0.0	0.0	12.7	0.0	7.9	1.0	24.0	1.2	0.0	0.0	0.0
26	0.0	0.0	0.0	5.1	0.0	TR	14.4	4.4	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	7.2	0.0	TR	0.7	15.0	6.1	0.0	0.0	3.3
28	0.0	0.0	0.0	3.3	0.0	7.0	21.8	5.0	37.8	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	TR	12.0	24.3	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	2.6	0.0	0.0	0.0
31	0.0	0.0	TR	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0
Sum	0.0	0.0	14.5	28.7	0.0	16.0	94.2	88.3	56.3	0.0	0.0	3.3
M. Sum	0.9	12.2	35.1	47.0	0.4	59.0	183.5	111.7	135.2	21.2	0.0	3.3
Mean												
Hig.	0.6	4.0	14.5	12.7	0.4	15.6	22.0	26.4	37.8	20.6		
Date	21	2	23	25	16	13	15	3	23	20		
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: D. Zeit A.F. Wereda Awraja Region Shoa

Alt. Long. Lat. Element Daily rainfall Year 1990

WMO FORM NO. 2 (1978)

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0		0.0	13.0	0.0	7.7	17.4	8.5	0.0	0.0	0.0	0.0
2	0.0	0.1	TR	x	0.0	0.0	0.0	15.4	10.1	0.0	0.0	0.0
3	0.0	0.0	0.0	16.0	0.0	0.8	0.0	2.6	0.0	0.0	0.0	0.0
4	0.0	11.6	9.0	0.4	0.0	0.0	8.5	TR	0.0	0.0	0.0	0.0
5	0.0	2.5	0.0	1.5	0.0	6.9	1.8	5.6	7.0	0.0	0.0	0.0
6	0.0	19.0	0.0	10.0	0.0	17.2	38.5	2.0	TR	0.0	0.0	0.0
7	0.0	6.8	3.0	3.5	0.0	0.0	4.2	15.9	4.5	0.0	0.0	0.0
8	0.0	2.0	1.1	11.1	0.0	3.4	19.0	1.3	0.0	0.0	x	0.0
9	0.0	0.0	0.0	0.0	0.0	TR	2.2	0.0	11.7	0.0	0.0	0.0
10	0.0	1.0	0.0	0.0	0.0	0.0	0.0	5.2	0.4	0.0		0.0
11	0.0	32.5	13.1	55.5	0.0	36.0	91.6	56.5	33.7	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	TR	1.5	7.4	11.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	3.8	32.6	0.0	0.0	0.0	0.0	0.0
14	0.0	1.4	0.0	0.0	TR	0.0	9.6	21.5	0.0	0.0	0.0	0.0
15	0.0	0.4	0.0	0.0	0.0	0.0	7.0	1.9	20.0	0.0	0.0	0.0
16	0.0	0.4	0.0	0.0	0.0	0.0	2.2	13.0	7.5	0.0	0.0	0.0
17	0.0	15.8	0.0	0.0	TR	1.8	0.0	0.3	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	TR	6.8	x	0.0	6.0	0.0	0.0	0.0
19	0.0	1.0	0.0	0.0	0.0	25.6	0.2	1.1	9.2	x	0.0	0.0
20	0.0	0.0	0.0	0.0	3.2	0.5	28.0	9.8	0.0	0.0	0.0	0.0
	0.0	19.0	0.0	0.0	3.2	40.0	89.9	76.6	42.7	0.0	0.0	0.0
21	0.0	1.0	2.8	0.0	0.0	TR	TR	3.2	3.7	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	TR	0.0	2.0	3.9	9.1	0.0	0.0	0.0
23	0.0	2.0	TR	16.7	TR	0.0	10.2	13.4	0.8	0.0	0.0	0.0
24	0.0	6.3	0.0	0.0	0.6	0.0	1.2	0.0	0.7	0.0	0.0	0.0
25	0.0	36.0	0.0	14.2	0.0	0.0	5.2	1.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	TR	0.0	0.0	0.0	1.2	7.5	0.0	0.0	0.0
27	0.0	26.0	0.0	0.0	0.0	0.0	0.0	x	TR	0.0	0.0	0.0
28	0.0	0.0	0.0	x	5.7	0.0	13.6	x	8.4	0.0	0.0	0.0
29	0.0		0.0	0.0	27.0	0.0	3.8	17.0	0.6	0.0	0.0	0.0
30	0.0		4.23	0.0	TR	0.0	6.5	0.0	1.2	0.0	0.0	0.0
31	0.0	5.5	TR		TR		TR	0.4		0.0		
Swto	0.0	113	45.1	30.9	33.3	0.0	12.5	40.1	26.0	0.0	0.0	0.0
M. Sum		123.2	58.2	86.4	86.5	76.0	221.0	173.2	102.4			
Mean												
Hlg.												
Date												
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station Debe Zeit A.C. Wereda Awraja Region SHOA
 Alt. Long. Lat. Element Daily Rainfall year 1994
 COMMERCIAL P. B. 4005/86

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1		0.0	0.0	0.0	3.8	TR	0.0	3.6	0.0	0.0	0.0	0.0
2		0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0
3		0.0	0.0	0.0	0.0	0.0	3.2	TR	0.0	0.0	0.0	0.0
4		0.0	0.0	0.0	0.0	3.4	2.0	2.0	23.5	0.0	0.0	0.0
5		0.0	0.0	0.0	0.0	0.0	34.6	0.0	0.0	0.0	0.0	0.0
6		0.0	0.0	0.0	15.8	0.0	0.7	2.0	0.0	0.0	0.0	0.0
7		0.0	0.0	0.0	0.0	0.0	0.0	1.1	21.8	0.0	0.0	0.0
8		0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.2	0.0	0.0	0.0
9		0.0	7.8	0.0	0.0	3.0	30.2	0.5	0.0	0.0	0.0	0.0
10		0.0	TR	0.0	0.0	0.4	0.5	10.4	0.0	0.0	0.0	0.0
		0.0	7.8	0.0	19.6	6.8	43.4	26.8	45.5	0.0	0.0	0.0
11		0.0	3.0	0.0	0.0	4.1	6.0	15.5	0.0	0.0	0.0	0.0
12		0.0	10.4	0.0	0.0	0.8	0.5	7.2	0.0	0.0	0.0	0.0
13		0.0	X	0.0	0.0	1.5	0.0	5.3	0.0	0.0	0.0	0.0
14		0.0	0.3	0.0	0.0	13.4	0.0	3.9	0.0	0.0	0.0	0.0
15		0.0	0.0	0.0	0.0	18.6	0.0	15.3	0.0	0.0	0.0	0.0
16		0.0	0.0	TR	0.0	2.4	0.0	0.4	0.0	0.0	0.0	0.0
17		0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18		0.0	0.0	3.8	0.0	2.8	26.6	5.8	0.0	0.0	0.0	0.0
19		0.0	0.0	2.4	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0
20		0.0	0.0	0.5	0.0	0.0	0.0	30.2	0.0	0.0	0.0	0.0
		0.0	15.7	8.9	0.0	48.6	33.1	100.6	0.0	0.0	0.0	0.0
21		0.0	0.0	6.2	0.0	0.0	3.5	8.3	0.2	0.0	9.5	0.0
22		0.0	0.0	0.3	0.0	0.0	33.8	21.0	8.2	0.0	0.7	0.0
23		0.0	0.1	0.0	0.0	11.7	4.0	4.0	10.2	0.0	0.0	0.0
24		0.0	X	0.0	0.0	0.0	13.3	9.5	22.5	0.0	0.0	0.0
25		0.0	2.4	4.1	0.0	0.0	0.6	0.3	0.0	0.0	0.0	0.0
26		0.0	0.6	TR	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
27		0.0	2.6	0.0	0.0	0.6	21.6	0.0	0.0	0.0	0.0	0.0
28		0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0
29			0.0	0.0	0.0	9.8	10.6	0.0	0.0	0.0	0.0	0.0
30			0.0	TR	0.0	2.0	3.0	4.4	0.0	0.0	0.0	0.0
31			0.0		0.0		16.2	2.4		0.0		0.0
Sum		0.0	5.7	10.6	0.0	94.1	136.3	51.9	41.1	0.0	10.2	0.0
M. Sum		0.0	29.2	19.5	19.6	74.5	232.5	137.3	86.6	0.0	10.2	0.0
Mean												
Hig.			10.4	4.1	15.8	18.6	34.6	21.0	23.5		9.5	
Date			12	25	6	15	5	22	7		21	
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Daba East A.F. Wereda Awraja Region Stoa
 Alt. Long. Lat. Element Daily Rain Fall Year 1995

COMMERCIAL P. E. 43005/86

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	0.0	0.0	0.0	7.5	21.0	1.2	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	9.2	0.0	2.5	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.5	TR	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	TR	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	TR	0.0	0.4	1.1	0.1	0.0	0.0	0.0
7	0.0	0.0	0.0	1.4	0.0	0.0	8.0	20.5	1.9	0.0	0.0	0.0
8	0.0	0.0	0.0	2.5	2.0	0.0	0.0	13.5	17.0	0.0	0.0	0.0
9	0.0	0.0	0.0	1.7	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.5	0.0	0.0	0.0	TR	0.0	0.0	0.0	0.0	0.0
						9.1	21.4	23.4	2.3			0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	6.2	1.5	TR	0.0	0.0	0.0
12	0.0	0.0	5.0	0.0	0.0	8.1	9.0	39.4	TR	0.0	0.0	0.0
13	0.0	0.0	0.5	0.0	0.0	0.0	2.5	1.9	3.2	0.0	0.0	0.0
14	0.0	0.8	0.0	0.0	0.0	1.7	6.5	10.7	0.0	0.0	0.0	0.0
15	0.0	0.0	0.3	11.0	0.0	TR	16.0	0.5	8.2	0.0	0.0	0.0
16	0.0	0.5	0.0	0.0	1.5	TR	7.3	0.0	NEL	0.0	0.0	0.0
17	0.0	1.1	0.0	0.8	0.0	0.0	4.3	0.0	11.7	0.0	0.0	0.0
18	0.0	0.0	0.0	2.5	0.0	13.9	24.5	0.0	2.9	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	TR	2.6	20.4	4.8	14.1	0.0	0.0	11.9
20	0.0	0.0	0.0	0.0	2.3	0.7	TR	0.0	0.1	0.0	0.0	0.0
						24.2	101.7	53.5	14.7			11.9
21	0.0	0.0	0.0	0.0	0.0	0.0	TR	0.2	13.2	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.3	0.0	1.2	6.9	1.5	0.0	0.0	0.0
23	0.0	0.0	0.0	0.3	0.0	2.5	23.8	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	1.5	0.0	0.0	11.0	1.2	9.5	TR	0.0	0.0	0.0
25	0.0	0.0	2.0	0.2	0.0	9.0	5.8	1.6	NEL	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	3.7	0.0	14.1	0.0	22.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	3.7	0.0	14.7	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.2	0.0	0.0	0.0	TR	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	9.0	0.8	0.0	28.5	0.2	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.6	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0
Sum						59.3	6.53	10.44	14.7			0.0
M. Sum	0.0	2.4	7.8	33.9	5.5	92.5	188.4	167.6	175.1	0.0	0.0	0.0
Mean												
Hig:		11.0	11.0	11.0	2.3	19.0	23.8	32.4	19.1			11.9
Date		17	12	15	20	24	23	12	19			11
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station Dizeit Air force Vereda Awraja Region SHOA

Alt. Long. Lat. Element Daily Rainfall Year 1998

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.8	0.0	0.0	0.0	0.0	0.4	0.0	10.5	8.0	0.1	0.0	0.0
2	0.2	0.0	0.0	0.0	0.0	29.2	0.0	1.6	16.9	0.0	0.0	0.0
3	0.3	0.0	0.0	0.0	0.0	TR	0.0	13.4	8.9	0.0	0.0	0.0
4	8.2	0.0	0.0	0.0	0.0	TR	0.5	3.1	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	11.1	3.8	0.5	4.0	0.0	0.0	0.0
6	0.0	0.0	0.0	1.4	0.0	62.0	0.0	1.7	0.4	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	8.3	0.0	23.9	6.8	0.0	0.0	0.0
8	0.0	0.0	0.0	11.7	0.0	0.2	0.0	0.0	2.8	0.0	0.0	0.0
9	0.0	0.0	0.0	0.1	0.3	12.2	4.5	0.0	10.1	0.0	0.0	0.0
10	0.0	0.0	28.3	0.0	12.9	6.0	26.5	0.5	3.9	0.0	0.0	0.0
	9.5	0.0	28.3	13.2	13.2	129.4	35.3	55.2	61.8	0.1	0.0	0.0
11	0.0	0.0	11.0	0.0	8.5	10.1	2.4	2.6	1.6	0.0	0.0	0.0
12	0.0	0.0	16.2	0.0	7.5	57.8	6.6	11.6	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	8.0	0.7	0.4	0.0	0.7	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.5	0.0	0.0	0.0
15	0.0	0.0	9.5	0.0	26.5	19.3	0.0	15.4	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	1.3	0.0	12.3	25.2	54.8	0.0	0.0	0.0	0.0
17	0.5	0.0	0.0	1.5	1.1	2.5	13.0	7.2	0.0	0.0	0.0	0.0
18	6.4	0.0	0.0	3.6	1.8	10.3	42.0	3.8	0.0	0.0	0.0	0.0
19	0.0	0.0	6.6	11.8	4.1	2.7	2.7	5.4	0.0	0.0	1.5	0.0
20	0.0	0.0	0.0	0.0	0.0	5.1	3.0	40.1	0.0	0.0	0.0	0.0
	6.9	0.0	43.3	18.2	57.5	121.2	29.5	140.9	2.8	0.0	1.5	0.0
21	0.0	0.0	TR	0.0	2.1	0.0	2.7	44.2	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	2.1	2.8	0.0	0.5	0.5	1.2	0.0	0.0	0.0
23	0.0	0.0	0.0	1.0	0.0	6.6	2.3	1.8	TR	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	12.7	2.2	12.0	0.0	4.4	0.0
25	0.0	0.0	0.0	0.0	0.0	1.7	TR	10.4	12.2	0.0	0.0	0.0
26	0.0	0.0	12.5	0.0	0.0	0.1	1.1	0.2	0.0	0.0	0.0	0.0
27	0.0	0.0	15.1	0.0	4.0	2.5	6.5	0.2	0.0	0.0	0.0	0.0
28	0.0	0.0	1.4	17.4	0.0	0.0	0.4	3.4	0.0	0.0	0.0	0.0
29	0.0		2.3	3.4	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0
30	0.0		0.2	0.0	0.3	0.0	0.8	8.2	0.0	0.0	0.0	0.0
31	0.0		0.0		25.5		4.9	8.4		0.0		0.0
Sum	0.0	0.0	31.5	23.9	34.7	10.9	33.3	79.5	25.4	0.0	4.4	0.0
M. Sum	16.4		103.1	55.3	105.4	26.5	164.1	225.6	90.0	0.1	5.9	
Mean												
Hig.	8.2		28.3	17.4	26.5	62.0	42.0	54.8	16.9	0.1	4.4	
Date	4		10	28	15	6	18	16	2	1	24	
Low												
Date												

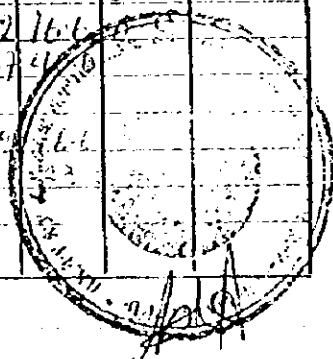




NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: GINCHT Wereda: Awraja: Region: Shoa
 Alt: Long: Lat: Element: Daily Rainfall Year: 1977

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	10.1	0.0	0.0	0.0	0.0	0.0	20.5	0.0	9.1	0.0	11.5	0.0
2	1.9	1.0	4.5	0.0	3.8	0.0	5.6	16.3	4.3	5.0	0.0	0.0
3	0.5	0.0	10.4	0.0	0.0	0.0	29.6	34.5	4.9	16.0	0.0	0.0
4	2.3	0.0	0.0	0.0	0.0	2.1	0.0	6.1	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	15.7	26.8	0.0	2.5	0.5	0.0	0.0
6	2.2	0.0	0.0	0.0	0.0	0.1	27.7	0.0	6.8	0.0	0.0	0.0
7	0.0	0.4	0.0	0.0	0.0	4.2	0.0	7.8	9.0	0.0	0.0	0.0
8	0.0	7.8	0.0	0.0	0.0	12.0	0.0	14.3	0.0	0.0	0.0	0.0
9	0.0	46.8	0.0	0.0	0.0	0.0	0.0	26.3	12.9	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	2.4	9.1	13.1	3.2	0.0	0.0	0.0
	16.9	56.0	14.9	0.0	3.8	36.5	121.3	112.4	51.7	21.5	11.5	0.0
11	0.0	2.3	0.0	0.0	0.0	9.6	14.2	7.1	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	12.9	20.5	1.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	4.0	9.6	28.0	2.2	0.0	0.0	0.0
14	0.0	0.0	0.0	0.3	0.0	6.0	0.0	0.0	7.2	0.0	0.0	0.0
15	22.0	0.0	0.0	0.0	0.0	0.5	0.9	11.7	7.4	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	1.5	17.3	5.4	23.5	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0	20.0	0.0	0.0	0.0
18	21.0	0.0	0.0	0.0	4.8	0.6	13.2	2.8	1.3	0.0	0.0	0.0
19	2.3	0.0	21.6	0.0	9.5	4.3	2.9	4.1	0.0	0.0	0.0	0.0
20	0.0	0.0	1.1	0.0	0.0	6.5	15.1	0.0	0.0	0.0	11.9	0.0
	45.3	2.3	22.7	0.3	14.3	42.1	86.1	79.6	62.6	0.0	11.9	0.0
21	2.9	0.0	8.5	0.0	0.1	16.7	19.4	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	5.0	0.0	1.0	0.5	3.5	5.1	1.2	0.0	0.0	0.0
23	0.0	0.0	6.7	0.0	5.9	0.0	13.9	6.1	0.0	30.5	16.6	0.0
24	47.4	0.0	1.2	0.0	7.4	0.0	2.3	9.2	3.8	19.5	0.0	0.0
25	0.1	0.0	0.0	4.7	0.0	0.0	8.9	13.2	0.0	17.2	0.0	0.0
26	0.0	0.0	6.4	14.0	0.0	9.0	0.0	26.4	0.0	48.9	0.0	0.0
27	0.0	0.0	0.5	2.3	10.1	3.7	0.0	0.0	1.3	30.0	0.0	0.0
28	2.5	0.0	6.3	0.0	3.3	0.0	3.2	7.7	1.2	40.8	0.0	0.0
29	0.0		1.8	0.0	0.0	0.5	39.2	16.1	1.3	31.2	0.0	0.0
30	1.5		0.6	0.0	0.0	7.5	5.4	0.0	0.0	4.1	0.0	0.0
31	0.0		13.2		0.6		0.0	0.0		0.0		0.0
Sum	54.4	0.0	50.2	21.0	28.4	37.9	95.9	83.8	8.8	222.2	16.6	0.0
M. Sura	116.6	58.3	87.8	21.3	46.5	116.5	303.3	281.8	123.1	243.7	40.0	0.0
Mean												
Hig.	47.4	46.8	21.6	14.0	10.1	15.7	39.5	34.5	23.5	40.0	16.6	0.0
Date	24	9	19	26	27	5	24	3	6	26		
Loy												
Date												





NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: G.M.C.H.I. Wereda: Awraja Region: Sh. O. R.
 Alt: _____ Long: _____ Lat: _____ Element: Daily Rainfall Year: 1975

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	20.0	7.7	15.7	0.0	4.5	1.0	5.1	12.8	0.0	0.0
2	0.0	0.0	41.0	0.0	14.8	0.0	2.7	11.3	0.0	0.0	0.0	0.0
3	0.0	0.0	9.0	0.0	3.5	0.0	8.1	0.0	8.7	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	11.0	9.7	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	7.5	4.6	8.8	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	2.5	2.6	5.2	3.6	29.0	18.1	0.0	0.0
7	0.0	0.0	0.8	2.7	10.4	1.7	6.4	3.4	0.0	6.3	0.0	0.0
8	0.0	0.0	0.0	0.0	3.4	6.0	15.2	6.4	16.1	0.0	0.0	0.0
9	0.0	0.0	6.7	0.0	0.0	0.5	4.0	27.2	17.5	0.0	0.0	0.0
10	0.0	0.0	1.1	0.0	0.0	0.0	7.4	7.6	18.2	0.0	0.0	0.0
	0.0	0.0	77.8	10.4	50.3	10.8	72.0	74.8	103.4	37.2	0.0	0.0
11	0.0	6.2	0.0	0.0	0.0	10.2	27.0	30.8	0.0	0.0	0.0	0.0
12	0.0	3.1	0.0	0.0	0.3	5.0	0.0	12.2	0.0	0.0	0.0	6.1
13	0.0	4.8	0.0	0.0	0.0	8.0	0.0	9.8	6.0	0.0	0.0	0.9
14	0.0	6.2	0.0	4.4	0.0	3.7	0.0	0.3	4.2	0.0	0.0	0.1
15	0.0	0.0	0.0	0.0	0.0	27.6	23.5	6.9	2.3	0.9	0.0	3.5
16	0.0	0.0	0.0	0.0	9.1	9.3	5.5	7.8	2.2	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	28.4	3.1	0.0	10.6	0.0	0.0	0.0
18	0.0	0.0	0.0	0.6	0.0	7.0	6.9	0.0	0.0	0.0	0.0	2.3
19	0.0	6.5	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.8
20	0.0	1.4	0.0	9.9	0.0	1.8	0.0	23.4	31.1	0.0	0.0	0.0
	0.0	28.2	0.0	14.9	9.4	101.0	100.2	91.2	56.4	0.9	0.0	13.7
21	0.0	1.3	2.4	3.0	0.0	5.2	5.5	11.4	11.3	7.4	0.0	0.0
22	0.0	0.0	5.4	0.0	0.0	2.9	0.0	3.2	6.5	0.0	0.0	0.0
23	0.0	8.4	0.0	0.0	0.0	1.9	3.0	1.8	4.5	0.0	0.0	0.0
24	0.0	0.0	2.2	0.0	0.0	3.8	7.0	0.0	5.9	0.0	0.0	0.0
25	0.0	0.3	0.0	0.0	0.0	0.0	18.4	26.5	4.4	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	9.3	24.7	0.0	0.0	0.0	0.0
27	0.0	0.9	0.0	0.0	0.0	14.6	9.2	19.1	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	7.0	0.0	2.0	17.6	11.2	0.0	0.0	0.0	0.0
30	0.0		0.0	12.6	7.2	10.7	0.0	6.5	5.1	0.0	0.0	0.0
31	0.0		0.0		0.5		2.7	0.0		0.0	0.0	0.0
Sum	0.0	10.9	10.0	22.6	7.7	43.3	72.7	104.4	37.7	7.4	0.0	0.0
M. Sum		39.1	87.8	47.9	67.4	155.1	244.9	270.4	197.5	45.5		13.7
Mean												
Hig.		8.4	41.0	12.6	15.7	28.4	34.2	30.8	31.1	18.1		6.1
Date		23	2	30	1	17	19	11	20	6		12
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

A. U. A

Station: GINCHI Wereda Awraja Region SHOA
 Alt. Long. Lat. Element Daily Rainfall Year 1979

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	4.4	10.5	1.9	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	14.0	0.0	27.7	5.2	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	12.9	0.0	6.4	5.7	0.0	1.2	0.0	0.0
5	0.0	0.0	0.0	0.0	5.1	0.0	5.5	0.0	8.6	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	4.6	0.0	5.8	2.3	6.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	2.0	4.8	7.9	12.8	33.9	5.7	0.0	0.0	0.0
9	0.0	7.6	0.0	16.1	9.2	0.0	6.3	0.0	0.0	0.0	0.0	0.0
10	0.0	0.5	0.0	25.3	2.5	3.5	11.7	10.6	0.0	0.0	0.0	0.0
	0.0	8.1	0.0	43.4	53.1	11.4	81.6	68.5	22.7	1.2	0.0	0.0
11	1.1	0.0	35.9	2.0	34.8	7.9	7.7	13.3	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	9.5	5.0	5.7	9.0	0.0	0.0	0.0	0.0
13	0.0	40.9	0.0	0.0	0.0	0.0	2.2	14.9	0.0	0.0	0.0	0.0
14	11.8	4.0	0.0	0.0	0.0	1.5	19.4	4.2	8.0	0.0	0.0	0.0
15	10.0	0.9	25.2	1.5	0.0	10.5	14.2	14.4	18.2	0.0	0.0	0.0
16	2.6	0.0	14.1	0.0	0.0	11.3	0.0	11.6	0.0	1.6	0.0	0.0
17	0.0	14.7	0.0	0.0	0.0	5.1	0.0	4.5	10.0	0.0	0.0	0.0
18	0.0	5.1	12.3	0.0	0.0	0.0	16.3	15.1	0.0	0.0	0.0	0.0
19	0.0	0.0	3.2	0.0	0.0	6.3	10.2	4.4	0.0	10.7	0.0	2.4
20	0.0	0.0	0.0	0.0	4.5	2.8	0.0	0.0	4.2	11.2	0.0	7.5
	25.5	65.6	90.7	3.5	48.8	50.4	75.7	41.4	40.4	23.5	0.0	7.2
21	3.2	0.0	0.0	0.0	0.0	7.5	22.1	0.0	3.5	0.0	0.0	0.0
22	0.0	0.0	10.2	0.0	26.5	0.0	8.1	0.0	8.4	0.0	0.0	0.0
23	6.0	0.0	0.0	0.0	14.3	9.4	0.0	0.0	9.1	0.0	0.0	0.0
24	8.4	0.0	0.0	0.0	5.6	0.0	3.0	9.2	0.0	0.0	0.0	1.7
25	0.0	0.0	5.5	0.0	7.1	6.4	3.6	0.0	6.9	0.0	0.0	0.0
26	2.1	3.9	0.0	0.0	0.0	12.8	34.4	0.0	5.2	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0
29	7.0	0.0	13.6	0.0	0.0	9.9	11.2	0.0	5.7	0.0	0.0	0.0
30	0.0		8.8	0.0	0.0	0.0	4.2	16.6	3.2	0.0	0.0	0.0
31	0.0		0.9		0.0		x	5.4		0.0		0.0
Sum	26.7	3.9	39.0	0.0	53.5	46.5	91.0	31.2	43.7	0.0	0.0	2.3
M. Sum	52.2	77.6	129.7	46.9	155.4	108.3	248.3	191.1	106.3	24.7		9.5
Mean												
Hig.	11.8	40.9	35.9	25.3	34.8	12.8	34.4	33.9	18.2	11.2		4.8
Date	14	13	11	10	11	26	26	8	15	20		20
Low												
Date												

A.V.A

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: GINCHI Element DAILY RAIN FALL Year 1980
SHOA

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	0.0	17.0	6.0	21.2	2.4	4.2	1.9	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	3.8	4.6	4.0	10.3	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	10.5	9.8	3.0	13.9	7.2	0.0	0.0
4	0.0	0.0	2.5	0.0	0.0	9.5	0.0	0.0	2.2	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	22.1	5.5	8.8	12.3	9.4	3.8	0.0	0.0
6	0.0	0.0	0.0	13.5	0.0	0.0	8.7	6.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	3.6	3.5	0.0	8.5	0.0	0.0	0.0	0.0
8	0.0	0.0	9.4	9.4	32.5	0.0	10.0	3.8	11.3	0.0	0.0	0.0
9	0.0	5.4	4.7	10.1	0.0	0.0	9.7	0.0	3.9	0.0	0.0	0.0
10	0.0	33.5	0.0	2.8	0.0	3.2	6.2	2.9	0.0	0.0	0.0	0.0
	0.0	38.9	16.6	35.8	75.2	38.2	78.2	37.5	48.9	23.2	0.0	0.0
11	0.0	2.5	0.0	0.0	0.0	0.0	9.5	0.0	15.6	0.0	0.0	0.0
12	0.0	0.0	12.5	0.0	0.0	0.0	13.3	6.6	0.0	0.0	0.0	0.0
13	0.0	0.0	9.3	0.0	2.8	4.7	5.6	10.8	21.6	0.0	0.0	0.0
14	0.0	0.0	1.2	1.4	0.0	0.0	0.0	0.9	11.2	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	4.7	3.6	16.7	0.0	0.0	0.0	0.0
16	0.0	0.0	1.2	0.0	0.0	3.8	2.1	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	26.5	0.0	6.0	20.5	14.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	1.3	0.0	0.0	0.0	18.1	9.4	0.0	0.0	0.0
19	0.0	0.0	0.0	31.9	0.0	0.0	0.0	5.4	42.4	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.8	7.0	8.3	23.4	0.0	0.0	0.0	0.0
	0.0	2.5	24.2	61.1	3.6	26.2	62.9	95.9	100.2	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	2.7	26.4	4.5	0.0	1.4	0.0	0.0
22	0.0	0.0	0.0	0.0	9.2	4.5	0.0	6.3	6.4	18.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	1.9	1.8	0.0	0.0	0.0	0.0	0.0
24	0.0	1.1	3.6	3.4	0.0	7.5	36.7	13.8	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.4	7.1	2.4	7.8	0.0	0.0	0.0
26	4.9	0.0	20.9	0.0	0.0	0.0	0.0	17.3	1.4	0.0	0.0	0.0
27	27.2	0.0	0.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	7.0	21.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	2.2	6.4	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	7.0	4.6	0.0	0.0	4.5	0.0	0.0	0.0	0.0
31	0.0		0.0		16.1		0.0	14.1		0.0		0.0
Sun	32.1	1.1	24.5	17.4	53.1	23.4	83.4	78.9	15.6	19.4	0.0	0.0
M. Sun	32.1	42.5	65.3	114.3	131.9	87.8	224.5	212.3	164.7	42.6		
Mean												
Hig.	27.2	33.5	20.9	31.9	32.5	10.5	36.7	23.4	42.4	18.0		
Date	27	10	26	19	8	3	24	20	19	22		
Low												
Date												

Copied by: Name ASHAGRE TADESSE Sig. ATA 3-5-4 Date Sig....

/tm

A. V. A

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: GINCHI Element DAILY RAINFALL Year 1981
SHOA

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	1.4	0.0	7.3	0.0	0.0	4.0	7.4	0.0	0.0	0.0
2	0.0	0.0	42.3	0.0	0.0	0.0	33.7	13.5	11.4	0.9	0.0	0.0
3	0.0	0.0	13.8	0.0	0.0	0.0	4.0	41.5	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	15.0	14.0	23.6	0.0	0.0	0.0
5	0.0	0.0	0.0	34.0	0.0	0.0	6.2	2.6	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	10.4	0.0	0.0	3.6	0.0	0.0	23.5	0.0	0.0
7	0.0	0.0	0.0	6.7	0.0	1.0	36.8	4.6	12.2	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.1	4.7	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	20.8	28.4	0.0	0.0	0.0	0.0
10	0.0	0.0	5.4	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0
	0.0	0.0	62.9	51.1	7.3	3.5	120.1	108.7	60.8	24.4	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.0	13.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	14.8	11.3	0.0	0.0	19.4	27.2	10.8	0.0	0.0	0.0
14	0.0	0.0	15.8	0.0	0.0	0.0	10.4	0.0	3.4	0.0	0.0	0.0
15	0.0	0.0	18.5	0.0	0.0	0.0	2.7	12.2	4.1	0.0	0.0	0.0
16	0.0	0.0	0.1	2.7	12.3	1.6	3.2	0.0	2.0	0.0	0.0	0.0
17	0.0	3.8	0.0	2.0	13.5	0.0	5.5	0.0	0.0	0.0	0.0	0.0
18	0.0	1.7	0.0	13.6	0.0	0.0	3.0	0.0	4.4	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	12.5	0.0	13.3	0.0	0.0	0.0
20	0.0	0.0	0.0	5.1	4.4	7.6	5.1	0.0	22.0	0.0	0.0	0.0
	0.0	5.5	49.2	34.7	30.2	9.2	68.7	39.4	73.0	0.0	0.0	0.0
21	0.0	0.0	0.0	10.2	0.0	1.1	5.5	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	3.5	0.0	0.0	18.5	24.4	0.0	0.0	0.0	0.0
23	0.0	0.0	1.5	17.7	0.0	13.6	5.5	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	6.6	16.2	9.3	0.0	13.5	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	2.5	0.0	0.0	16.2	5.7	10.5	0.0	0.0	0.0
26	0.0	0.0	16.8	0.0	0.0	10.3	8.3	10.7	12.1	0.0	0.0	0.0
27	0.0	0.0	22.4	5.0	0.0	6.2	36.3	7.8	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	20.0	14.2	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	2.0	0.0	6.8	15.2	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	10.6	6.0	6.0	10.8	0.0	0.0	0.0	3.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
Sun	0.0	0.0	47.3	55.1	21.9	37.8	136.6	88.8	22.6	0.0	0.0	3.0
M, Sun	0.0	5.5	159.4	140.9	59.4	50.5	325.4	236.9	156.4	24.4	0.0	3.0
Mean												
Hlg.		3.8	42.3	34.0	13.5	13.6	36.8	41.5	23.6	23.5		3.0
Date		17	2	5	17	23	7	3	4	6		30
Low												
Date												

Copied by: Name Ashagre Tadesse Sig (A.T) ... 3 - 5 - 5 Date Sig...
 /tm

A . V . A

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: GINCHI Element DAILY RAIN FALL Year 1981
SHOA

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	36.2	0.0	0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	8.7	0.0	0.0	0.0	4.6	5.2	0.0	0.0	0.0	0.0
3	0.0	0.0	4.9	0.0	0.0	0.0	5.0	0.0	0.0	14.3	0.0	0.0
4	6.0	0.0	0.0	0.0	0.0	0.0	8.2	18.8	11.5	27.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.8	0.0	0.0
6	0.0	0.0	0.0	0.0	14.7	0.0	5.9	17.5	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	20.7	2.6	0.0	3.6	10.5	1.0	7.2	0.0	0.0
8	0.0	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5	0.0
9	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	8.3	0.0
10	0.0	5.8	0.0	3.5	30.5	0.0	16.1	0.0	0.0	0.0	3.3	0.0
	42.2	17.1	13.6	24.2	52.0	0.0	51.9	52.0	12.5	72.3	34.1	0.0
11	0.0	22.1	0.0	0.0	13.8	0.0	10.0	24.2	0.0	0.0	9.0	0.0
12	0.0	0.5	0.0	0.0	5.5	0.0	10.6	12.6	0.0	0.0	0.0	0.0
13	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.3	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	8.2	0.0	4.1	15.0	15.0	0.0	0.0	0.0
16	2.5	0.0	0.0	0.0	0.0	0.0	15.0	0.0	14.4	0.0	0.0	0.0
17	0.0	9.4	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0
18	0.0	3.5	0.0	0.0	0.0	0.0	20.1	0.0	2.7	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	10.5	0.0	15.7	0.0	0.0	0.0	0.0
	4.8	35.5	0.0	0.0	27.5	10.5	72.3	104.8	32.1	6.2	9.0	0.0
21	0.0	0.0	5.2	0.0	0.0	6.5	0.0	6.2	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	26.3	28.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.4	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	22.5	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.4	0.0	0.0	0.0	0.0
27	0.0	10.0	0.0	10.2	0.0	0.0	20.5	9.7	0.0	0.0	10.1	0.0
28	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0
29	0.0		4.5	0.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		14.1	0.0	0.0	0.0	8.0	15.1	0.0	0.0	0.0	0.0
31	0.0		22.5		0.0		2.0	16.0		0.0		0.0
Sum	0.0	10.0	46.3	16.4	5.4	29.0	56.8	94.4	23.4	0.0	25.1	0.0
M. Sum	47.0	62.6	59.9	40.6	84.9	39.5	181.0	251.2	68.0	78.5	68.2	0.0
Mean												
Hig.	36.2	22.1	22.5	20.7	30.5	22.5	26.3	28.0	23.4	27.0	22.5	
Date	1	11	31	7	10	25	22	22	23	4	8	
Low												
Date												

Copied by: Name Ashagne Tadesse Sig AT ... 3 - 5 - 6 Name Sig....
 /tm



IMPERIAL ETHIOPIAN METEOROLOGICAL SERVICE.

Form C23

STATION: G. Hinc hi Sech (SHOA)

ELEMENT: Daily Rain fall Temperature, dry and wet bulb, 0600.

YEAR: 1983

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	✓	✓	✓	✓	2.3	0.0	0.0	0.0	6.0	6.3	0.0	0.0	
2					4.2	15.0	18.0	0.0	0.0	0.0	0.0	0.0	
3					16.2	2.2	0.0	0.0	3.5	0.0	0.0	0.0	
4					15.2	6.8	0.0	6.6	0.0	0.0	0.0	0.0	
5					20.2	7.0	0.0	0.0	14.2	0.0	0.0	0.0	
6					0.0	3.7	19.9	0.0	0.0	0.0	2.4	0.0	
7					0.0	0.0	0.0	29.5	50.0	16.2	0.0	0.0	
8					5.6	0.0	9.5	0.0	27.0	3.2	1.3	0.0	
9					0.0	0.0	4.0	0.0	13.6	0.0	0.0	0.0	
10					0.0	0.0	3.6	0.0	11.8	0.0	0.0	0.0	
11					0.0	0.0	9.6	6.2	8.0	0.0	0.0	0.0	
12					0.0	0.0	22.1	0.0	9.5	0.0	0.0	0.0	
13					0.0	0.0	0.0	7.8	11.4	0.0	0.0	0.0	
14					17.6	0.0	15.4	7.6	0.0	0.0	0.0	0.0	
15					11.5	0.0	2.0	16.0	1.0	0.0	0.0	0.0	
16					9.0	0.0	13.0	5.0	0.0	15.8	0.0	0.0	
17					9.4	15.1	12.9	6.8	0.0	0.0	0.0	0.0	
18					28.1	8.0	34.5	0.6	0.0	0.0	0.0	0.0	
19					8.9	4.2	0.0	0.0	0.0	8.0	0.0	0.0	
20					0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21					5.7	0.0	0.0	4.2	0.0	0.0	0.0	0.0	
22					4.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	
23					8.7	0.0	4.3	0.0	0.0	0.0	0.0	5.0	
24					2.5	6.7	0.0	19.0	0.0	0.0	0.0	19.5	
25					9.6	0.0	6.3	12.3	0.0	0.0	0.0	0.0	
26					2.8	5.0	13.5	14.0	0.0	0.0	0.0	0.0	
27					5.0	25.7	24.9	13.2	56.7	0.0	0.0	0.0	
28					0.0	4.8	3.7	4.7	6.6	0.0	0.0	7.0	
29					27.7	0.0	5.0	0.0	0.0	0.0	0.0	0.0	
30					7.0	11.9	5.3	0.0	0.0	0.0	0.0	0.0	
31					8.6		10.0	5.4		0.0		0.0	
					229.8	116.3	258.5	197.2	211.6	49.5	3.7	31.5	Total
					28.1	25.7	34.5	42.2	56.7	16.2	2.4	19.5	Highest
					18	27	18	21	27	7	6	24	Date
													Lowest
													Date
													Number of

G. Hinc hi Sech FASSA

110/AA 3-5-7



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: G. INCHI Wereda: Awraja Region: Shoa

Alt. 2440m Long 39° 53' Lat. 09° 36' Element Daily Rainfall Year 1984

FORM C (M. 684) 8/79

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	0.0	0.0	0.0	12.9	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	7.0	0.0	7.7	9.7	0.0	16.9	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	9.6	14.4	14.0	7.2	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	4.7	0.4	0.0	3.4	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	4.5	7.3	0.0	5.6	0.0	0.0	0.0
6	0.0	0.0	1.5	0.0	0.0	6.8	6.9	17.4	1.3	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	11.4	2.3	5.4	0.9	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	5.7	0.0	13.7	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	11.9	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	6.4	8.2	0.0	0.0	5.6	0.0	0.0	0.0
	0.0	0.0	1.5	7.0	6.4	70.5	52.9	50.5	34.9	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	14.6	7.2	0.0	0.0	8.6	0.0
12	0.0	0.0	0.0	0.0	4.2	0.0	5.4	0.0	0.0	0.0	3.5	13.3
13	0.0	0.0	0.0	0.0	18.9	0.0	17.4	11.1	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	1.3	0.0	8.4	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	13.7	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	6.4	0.0	0.0	46.5	3.5	0.0	29.4	0.0	1.7	0.0
17	0.0	0.0	0.0	0.0	19.5	1.8	7.2	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	11.0	2.5	0.0	7.6	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	4.5	2.7	0.0	32.1	5.4	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	4.7	6.4	0.0	0.0	17.2	0.0	0.0	0.0
	0.0	0.0	20.1	0.0	64.1	59.9	60.3	58.0	52.0	0.0	13.8	13.3
21	0.0	0.0	0.0	0.0	4.0	5.0	0.0	0.0	4.1	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	14.4	14.1	9.5	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	15.6	2.0	3.4	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	12.5	0.0	4.0	0.0	0.0	1.7	0.0
26	0.0	0.0	0.0	0.0	0.0	2.7	13.5	4.4	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	5.3	32.0	6.2	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	4.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	2.0	7.1	13.4	0.0	4.1	0.0	0.0	0.0
30	0.0		0.0	0.0	10.4	0.0	0.0	0.0	0.0	3.8	0.0	0.0
31	7.4		0.0		0.0		0.0	3.6		0.0		0.0
Sum	14.1	0.0	0.0	0.0	51.0	58.9	71.8	18.2	8.2	3.8	1.7	0.0
M. Sum	14.1		21.6	7.0	121.5	189.3	185.0	126.7	95.1	3.8	15.5	13.3
Mean												
Hig.	14.1		13.7	7.0	19.5	46.5	32.0	32.1	39.4	3.8	8.6	13.3
Date	31		15	2	17	16	27	14	16	30	11	13
Low												
Date												

A.V.A.



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: GINCHI Wereda Awraja Region S.HOA
 Alt. 2440m Long. Lat. Element W. Rain full Year 1985

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	0.0	0.4	0.0	0.0	37.1	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	4.5	0.0	7.1	5.9	6.1	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	14.2	0.0	2.3	10.3	7.0	5.2	0.0	0.0
4	0.0	0.0	0.0	0.0	5.2	0.0	4.1	14.1	0.4	0.0	0.0	0.0
5	0.0	0.0	0.0	8.6	18.6	0.0	12.7	2.5	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	20.5	0.0	0.0	5.8	0.0	0.6	0.0	0.0
7	0.0	0.0	0.0	0.0	3.2	0.0	3.5	40.2	2.2	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	13.9	0.0	1.4	25.2	3.1	1.5	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	1.2	1.8	5.4	2.1	0.0	0.0	0.0
10	0.0	0.0	0.0	10.0	20.2	3.0	0.0	8.6	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	18.6	100.7	4.2	33.5	155.1	20.9	7.3	0.0	0.0
11	0.0	0.0	0.0	0.0	5.7	3.2	7.2	9.5	2.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	10.7	0.0	9.4	4.1	5.5	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	1.1	0.0	14.3	5.2	1.2	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	15.7	8.7	2.9	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	3.9	23.6	3.7	28.2	0.0	0.0	0.0
17	0.0	0.0	4.3	0.0	7.1	4.1	15.8	7.7	12.9	0.0	0.0	0.0
18	0.0	0.0	0.2	0.0	0.0	0.0	14.1	36.9	0.1	0.0	0.0	0.0
19	0.0	0.0	0.4	0.0	0.0	0.0	0.0	5.4	43.0	0.0	0.0	0.0
20	0.0	0.0	0.0	6.2	0.0	13.9	3.9	0.0	6.2	0.0	0.0	4.7
	0.0	0.0	4.9	6.2	24.6	25.1	104.0	90.8	102.0	0.0	0.0	4.7
21	0.0	0.0	4.1	6.0	0.0	0.0	0.0	4.1	2.8	0.0	5.7	0.0
22	0.0	0.0	0.0	4.0	0.0	0.0	4.9	7.9	5.7	0.0	0.0	0.0
23	5.1	0.0	0.0	25.5	0.0	0.5	47.4	3.0	10.2	0.0	0.0	0.0
24	0.0	0.0	0.0	34.9	0.0	0.0	11.2	0.0	3.1	0.0	0.0	0.0
25	0.0	0.0	0.0	1.9	0.3	0.0	5.8	0.0	7.8	0.0	0.0	0.0
26	0.0	0.0	12.0	15.5	0.0	1.4	3.2	7.2	11.9	0.0	0.0	0.0
27	0.0	0.0	2.3	1.3	36.4	8.9	25.3	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	6.7	20.3	10.1	0.0	0.0	0.0	0.0
29	0.0		0.0	2.4	0.3	7.3	22.3	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	13.2	12.0	0.0	0.0	0.0	0.0
31	0.0		3.3		0.0	0.0	6.9	3.9		0.0		0.0
Sum	5.1	0.0	21.7	91.5	37.0	24.8	160.5	54.2	41.5	0.0	5.7	0.0
M. Sum	5.1		26.6	116.3	162.3	54.1	298.0	300.1	164.4	7.3	5.7	4.7
Mean												
Flg	5.1	0.0	12.0	34.9	36.4	13.9	47.4	40.2	43.0	5.2	5.7	4.7
Date	23	1	26	24	27	20	23	7	19	3	21	20
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: GINCHI Wereda DANDI Awraja G & M Region SHOA

Alt. _____ Long. _____ Lat. _____ Element Daily Rain Fall Year 1986

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	13.8	8.0	0.0	0.0	11.5	7.5	21.3	15.2	0.0	0.0
2	0.0	0.0	1.1	6.8	0.0	34.2	21.6	0.0	49.8	8.2	0.0	0.0
3	0.0	10.2	1.3	22.8	0.0	0.0	0.0	11.2	15.6	34.1	0.0	0.0
4	0.0	0.0	0.0	8.2	11.2	0.0	0.0	6.9	0.0	4.6	0.0	0.0
5	0.0	3.5	0.0	8.6	50.9	0.0	7.4	0.5	1.1	0.0	0.0	0.0
6	0.0	0.5	67.1	0.0	11.5	16.4	34.2	1.9	2.3	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	6.2	10.1	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	1.2	16.2	5.9	12.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	1.8	8.9	1.6	10.0	0.4	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	6.2	19.1	3.7	6.2	0.0	0.0	0.0	0.0
	0.0	14.2	83.3	54.4	82.8	88.8	92.1	66.8	88.5	62.6	0.0	0.0
11	0.0	0.0	0.0	0.0	1.0	23.3	27.9	13.4	0.7	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	8.5	1.5	11.8	5.1	5.9	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	6.2	19.4	4.9	7.4	0.8	0.0	0.0	0.0
14	0.0	0.0	0.0	9.5	9.5	1.9	11.6	3.1	24.4	0.0	0.0	0.0
15	0.0	11.1	0.0	2.3	4.5	7.4	0.0	0.8	10.6	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	2.6	9.2	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	2.2	16.1	15.7	4.9	0.0	0.0	0.0	0.0
18	0.0	22.0	6.2	0.0	0.0	4.8	19.6	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	6.8	0.6	0.0	6.1	4.8	29.5	0.0	0.0	0.0	0.0
20	0.0	0.0	5.2	0.0	0.0	25.2	3.5	27.7	0.0	0.0	0.0	0.0
	0.0	33.1	18.2	12.4	34.5	114.9	99.8	91.9	42.4	0.0	0.0	0.0
21	0.0	0.0	0.0	3.5	1.7	0.0	1.7	5.7	5.7	0.0	0.0	0.0
22	0.0	17.2	0.0	0.0	0.0	28.5	24.2	37.9	0.0	5.1	0.0	0.0
23	0.0	1.9	0.0	0.0	0.0	0.0	11.1	2.1	0.0	0.0	0.0	0.0
24	0.0	1.4	0.0	8.8	0.0	3.9	7.9	8.7	0.0	0.0	0.0	0.0
25	0.0	17.3	0.0	13.1	0.0	1.4	11.8	0.0	0.0	0.0	0.0	0.0
26	0.0	2.2	0.0	0.0	0.0	5.9	2.6	6.2	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	21.5	14.2	0.4	0.0	0.0	0.0	0.0	0.0
28	0.0	11.1	0.0	0.0	1.2	4.5	16.6	0.0	5.3	0.0	0.0	0.0
29	0.0		0.7	0.0	0.0	2.8	2.2	5.9	2.0	0.0	0.0	0.0
30	0.0		0.8	0.0	0.0	0.3	2.1	0.0	15.2	0.0	0.0	0.0
31	0.0				0.0		4.0	11.4		0.0		0.0
Sum	0.0	51.1	11.5	25.4	24.4	66.5	84.1	77.9	28.2	5.1	0.0	0.0
M. Sum	0.0	98.4	103.0	92.2	141.7	270.2	276.0	236.6	159.1	67.7	0.0	0.0
Mean												
Hlg.	0.0	22.0	67.1	22.8	50.9	34.2	34.2	37.9	42.8	34.1		
Date		18	6	3	5	2	6	22	2	3		
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: GINCHI Woreda: DAN DI Awraja GIBATNA MECHA Region SHOA
 Alt. 2280m. Long. _____ Lat. _____ Element DAILY RAINFALL Year 1981

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	2.1	0.0	2.5	3.7	4.1	4.5	20.9	0.0	0.0	0.0
2	0.0	0.0	9.5	0.0	0.0	0.0	3.7	20.3	9.6	5.3	0.0	0.0
3	0.0	0.0	11.2	10.2	12.8	0.0	0.9	0.0	1.5	0.0	0.0	0.0
4	0.0	0.0	0.0	6.9	0.0	6.2	0.0	4.7	0.0	0.0	0.0	0.0
5	5.8	0.0	22.9	0.0	0.0	1.7	7.4	18.7	8.9	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	60.8	0.0	1.0	11.5	0.0	0.0	0.0	1.2
7	0.0	0.0	5.7	10.8	7.0	0.0	4.1	3.8	2.6	3.5	0.0	0.0
8	0.0	0.0	40.1	0.0	0.0	0.0	0.0	3.5	12.2	0.0	0.0	0.0
9	0.0	0.0	2.9	2.0	0.0	5.8	7.3	5.2	0.0	0.0	0.0	0.0
10	0.0	0.0	0.3	10.2	0.4	0.3	0.0	9.3	0.0	0.1	0.0	0.0
	5.8	0.0	100.7	40.1	83.5	17.7	22.5	23.5	55.7	2.9	0.0	1.2
11	0.0	8.4	11.2	0.0	0.0	0.0	3.0	0.3	3.2	0.0	0.0	0.0
12	0.0	13.7	1.1	0.0	0.0	7.2	1.5	13.5	4.9	0.0	0.0	0.0
13	0.0	0.0	2.0	3.8	0.0	0.0	0.0	0.1	1.5	0.0	0.0	0.0
14	0.0	0.1	0.0	0.0	0.0	0.4	20.9	0.0	2.4	0.0	0.0	0.0
15	0.0	4.9	53.5	0.0	0.0	6.7	0.0	7.7	0.4	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	9.2	7.0	2.2	2.3	0.0	0.0	0.0	0.0
17	0.0	0.0	2.4	0.0	10.4	9.0	8.8	2.8	5.5	0.0	0.0	0.0
18	0.0	0.0	1.9	31.0	0.8	19.2	3.1	3.0	0.3	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	8.5	3.8	0.0	9.0	10.7	0.0	0.0	0.0
20	0.0	2.3	0.0	0.0	10.0	9.2	13.1	0.0	2.5	0.0	0.0	0.0
	0.0	29.4	78.1	40.8	38.9	62.5	52.6	32.7	31.4	0.0	0.0	0.0
21	0.0	3.2	0.0	0.0	35.6	8.5	5.8	0.0	8.2	0.0	0.0	0.0
22	0.0	5.2	0.0	0.0	0.3	0.3	36.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	19.0	0.0	9.0	0.0	0.0	12.7	0.0	0.0
24	0.0	1.8	3.7	5.2	14.5	0.0	24.0	0.0	0.0	0.0	0.0	0.0
25	10.2	3.1	23.8	0.0	2.3	0.0	19.5	0.0	0.0	5.0	0.0	0.0
26	0.0	0.4	3.6	0.0	8.5	0.0	25.5	14.7	0.0	0.0	0.0	0.0
27	0.0	7.2	0.0	5.0	31.0	6.6	0.0	6.5	2.6	0.0	0.0	2.8
28	0.0	0.5	0.0	0.0	15.7	0.0	4.5	0.0	0.0	0.0	0.0	1.9
29	0.0		0.0	0.0	0.0	7.6	6.5	0.0	0.0	0.0	0.0	
30	0.0		10.0	0.0	0.0	3.4	29.8	0.0	31.8	0.0	0.0	
31	0.0		0.0		10.0		0.7	0.0		0.0		
Sum	10.2	21.4	41.1	10.2	136.9	26.4	161.3	21.2	42.0	11.2	0.0	4.9
M. Sum	16.0	56.8	219.9	91.1	257.3	106.6	242.4	112.7	124.7	26.6		5.1
Mean												
Hig.	10.2	13.7	53.5	31.0	60.8	19.2	36.0	20.3	31.8	12.7		
Date	25	12	15	18	6	18	22	2	30	23		
Low												
Date												

7th class



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: GINCHI Wereda DANDY Awraja GIBAT Region MECCHA Region SIQA
 Alt. 2280M Long. _____ Lat. _____ Element DAILY RAIN FALL Year 1988

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0	28.2	0.0	12.5	0.5	3.3	5.0	23.0	13.3	0.0	0.0	0.0	
2	0.0	1.1	0.0	2.5	0.0	23.4	8.5	10.7	0.5	0.0	0.0	0.0	
3	0.0	0.0	0.0	6.2	0.0	4.7	12.0	20.5	15.1	0.0	0.0	0.0	
4	0.0	0.0	5.3	0.0	0.0	0.0	19.0	16.5	33.2	25.5	0.0	0.0	
5	0.0	0.0	0.0	0.0	0.0	4.5	0.0	6.5	5.5	0.0	0.0	0.0	
6	0.0	0.0	0.0	0.0	0.0	4.8	5.5	20.5	0.0	0.0	0.0	0.0	
7	0.0	0.0	0.0	0.0	0.0	13.0	29.0	15.5	2.2	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	0.0	10.3	1.0	10.0	0.2	0.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	0.0	0.1	18.0	17.0	20.0	0.0	0.0	0.0	
10	0.0	1.5	0.0	4.0	0.0	0.0	10.0	5.5	8.0	0.0	0.0	0.0	
	0.0	30.8	6.3	21.2	0.5	84.1	103.0	145.5	131.0	12.0	2.0	0.0	
11	0.0	2.5	0.0	2.0	0.0	0.2	34.5	8.5	2.5	0.0	0.0	0.0	
12	0.0	1.5	0.0	4.0	5.0	0.0	10.5	7.0	0.0	0.5	0.0	0.0	
13	0.0	4.1	0.0	3.6	1.5	15.3	9.5	8.5	40.1	0.0	0.0	0.0	
14	0.0	38.5	0.0	0.0	13.0	7.5	17.0	28.5	0.1	28.0	0.0	0.0	
15	9.2	0.0	0.0	0.0	0.0	0.0	5.0	31.1	0.0	0.5	0.0	0.0	
16	0.0	1.5	0.0	8.5	0.0	2.7	4.5	10.5	60.0	0.0	0.0	0.0	
17	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.5	5.0	0.0	0.0	
18	2.5	0.0	0.0	7.5	0.0	4.0	4.0	5.6	10.0	0.5	0.0	0.0	
19	18.9	0.0	0.0	0.0	0.0	4.2	1.3	0.0	12.5	0.0	0.0	0.0	
20	0.0	0.0	0.0	5.0	0.0	7.0	4.8	9.0	0.0	0.0	0.0	0.0	
	35.9	102.1	0.0	50.6	19.5	110.9	90.9	108.7	113.7	34.3	2.0	0.0	
21	0.0	0.0	0.0	8.5	0.0	5.0	0.0	13.5	0.0	0.0	0.0	0.0	
22	0.0	6.3	1.5	0.0	0.0	3.5	0.0	33.0	13.0	0.0	0.0	0.0	
23	0.0	1.0	2.0	0.0	0.0	1.5	21.5	0.0	2.5	0.0	0.0	0.0	
24	0.0	4.0	0.0	0.0	0.0	1.0	14.0	20.2	0.0	0.0	0.0	0.0	
25	0.0	8.5	2.5	0.0	0.0	0.0	12.6	15.8	0.0	0.0	0.0	0.0	
26	0.0	0.0	0.0	0.0	0.0	0.9	6.0	6.5	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	0.0	14.0	7.5	2.0	5.5	0.0	0.0	0.0	
28	0.0	15.5	0.0	0.0	0.0	1.0	1.0	7.0	5.7	0.0	0.0	0.0	
29	0.0	0.0	0.0	0.0	0.0	2.0	3.0	5.1	16.0	0.0	0.0	0.0	
30	0.0		2.8	11.5	1.6	1.3	0.0	20.0	0.0	0.0	0.0	0.0	
31	0.0		37.0		0.0		10.3	0.0		0.0		0.0	
Sum	0.0	35.3	15.8	23.0	1.6	30.2	75.9	121.7	12.7	6.2	2.0	0.0	
M. Sum	35.9	102.2	51.1	74.8	21.6	135.2	214.8	375.9	284.0	49.8	2.0	0.0	
Mean													
Hig.	18.9	32.5	37.0	14.5	13.0	23.4	34.5	33.6	60.0	28.0			
Date	19	14	31	30	14	2	11	22	16	14			
Low													
Date													

4 class.



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: GINCHI Wereda DANJOY Awraja JIRAT & MECHA Region SHOA
 Alt. 2280M Long. Lat. Element DAILY RAIN FALL Year 1989

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	6.5	0.0	0.0	8.4	15.8	22.0	0.0	10.2	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	13.2	8.8	2.2	0.0	0.0	0.0
3	0.0	0.0	0.0	1.0	0.0	0.0	7.6	12.2	12.8	0.0	0.0	0.0
4	0.0	45.0	0.0	0.0	0.0	1.3	1.3	0.6	0.0	0.0	0.0	0.0
5	0.0	30.0	0.0	0.0	0.0	0.0	12.1	0.5	3.9	0.0	0.0	0.0
6	0.0	16.5	0.0	0.0	0.0	1.0	31.5	1.6	0.0	0.0	0.0	0.0
7	0.0	5.1	2.5	0.0	0.0	17.4	3.1	2.8	5.1	0.1	0.0	0.0
8	0.0	21.0	0.0	1.0	0.0	8.3	13.9	3.5	4.1	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	6.3	13.5	3.2	2.5	0.0	0.0	0.0
10	0.0	0.3	0.0	0.0	0.0	1.2	0.0	0.0	11.4	0.0	0.0	0.0
	0.0	119.7	2.5	8.5	0.0	35.5	104.6	49.0	64.0	0.1	10.2	0.0
11	0.0	1.0	0.0	0.0	0.0	5.1	0.4	3.8	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	6.4	12.3	3.6	1.5	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	6.4	13.2	7.4	4.5	0.0	0.0	0.0
14	0.0	0.0	9.0	3.1	9.0	0.0	1.5	4.0	0.0	0.0	0.0	0.0
15	0.0	0.0	2.5	0.0	0.0	0.0	11.6	9.2	24.9	0.0	0.0	6.1
16	21.5	0.0	25.5	1.5	0.0	12.5	4.3	0.0	12.6	0.0	0.0	9.5
17	0.0	0.0	0.0	0.0	1.0	15.2	9.8	0.9	0.7	0.0	0.0	64.7
18	1.5	0.0	0.0	0.0	0.0	10.6	0.0	2.1	0.0	43.0	0.0	0.0
19	0.0	0.0	0.0	10.4	0.0	0.0	0.8	0.0	0.1	9.6	0.0	0.0
20	6.0	0.0	0.0	14.1	0.0	2.3	28.2	12.9	15.0	33.8	0.0	0.0
	10.0	0.0	37.0	29.1	10.0	58.5	77.1	43.9	54.3	86.4	0.0	20.6
21	0.0	0.0	41.5	30.0	1.4	5.0	59.0	15.1	0.1	0.0	0.0	0.0
22	2.6	0.0	0.0	0.0	0.0	4.5	0.9	1.8	1.5	0.0	0.0	0.0
23	0.0	0.0	0.0	37.0	0.0	0.0	0.0	8.6	4.1	0.0	0.0	0.0
24	0.0	0.0	5.2	0.0	0.0	2.5	6.9	3.1	6.4	0.0	0.0	0.0
25	0.0	0.0	1.0	20.0	3.1	0.5	17.2	6.8	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	14.4	17.2	23.5	1.1	0.0	0.0	0.0
27	0.0	0.0	2.0	0.0	0.0	1.9	19.0	0.0	11.8	0.0	0.0	5.3
28	0.0	0.0	20.1	1.5	0.0	0.0	15.3	5.4	8.7	0.0	0.0	0.0
29	0.0		15.2	0.0	0.0	11.3	17.5	17.8	0.0	0.0	0.0	0.0
30	0.0		21.5	0.0	0.0	0.6	0.0	4.5	0.0	0.0	0.0	0.0
31	0.0		5.1		0.0		0.0	74.3		0.0		0.0
Sum	2.6	0.0	111.6	88.5	4.5	40.1	153.0	160.9	33.7	0.0	0.0	5.3
M. Sum	12.6	119.7	151.1	126.1	14.5	134.1	331.2	253.8	157.0	54.5	10.2	25.1
Mean												
Hig.	6.0	45.0	41.5	37.0	9.0	17.4	59.0	74.3	24.9	43.0	10.2	64.7
Date	20	4	21	23	14	7	21	31	15	18	1	17
Low												
Date												



4215
NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Ginkhi Wereda: Awraja District: Dawit Region: Shewa
 Alt. 2290 Long. 37°28' Lat. 9°02' Element: Diurnal Range Year 1990

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	26	10.1	11.8	0.0	5.7	1.2	6.2	0.0	9.4	0.0	0.0
2	0.0	22.7	26.7	0.0	0.0	20.4	0.0	13.6	0.0	0.0	0.0	0.0
3	0.0	11.7	0.0	32.2	5.9	8.5	2.5	0.0	0.0	8.2	0.0	0.0
4	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
5	0.0	26.7	0.0	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.0
6	0.0	17.0	0.0	0.0	0.0	0.0	11.1	7.5	9.9	0.0	5.9	0.0
7	0.0	7.5	7.5	0.0	0.0	6.7	0.0	19.6	0.0	0.0	0.0	0.0
8	0.0	20.7	0.0	0.0	7.2	0.0	0.0	17.0	0.0	0.0	0.0	0.0
9	0.0	10.0	0.0	0.0	1.0	0.0	0.0	0.0	30.5	0.0	0.0	0.0
10	0.0	1.5	0.0	0.0	0.0	0.0	0.0	10.7	3.4	0.0	0.0	0.0
	0.0	126.3	44.3	50.0	19.1	41.3	8.6	65.1	43.8	17.6	5.9	0.0
11	0.0	0.0	0.0	0.0	2.5	0.0	9.4	31.0	0.0	0.0	5.0	5.0
12	0.0	0.0	0.0	0.0	3.4	0.0	0.0	19.7	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	4.0	0.0	15.0	0.0	0.0	0.0	0.0
14	0.0	18.0	0.0	0.0	0.0	3.5	14.9	9.6	15.3	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	5.7	4.1	0.0	12.5	10.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	8.1	3.2	11.3	6.6	0.0	0.0	0.0	0.0
18	0.0	19.2	0.0	2.5	10.0	0.7	15.5	3.3	0.0	0.0	0.0	0.0
19	0.0	0.0	4.5	0.0	2.5	17.9	0.0	7.5	0.0	2.5	0.0	0.0
20	0.0	0.0	11.7	1.3	0.0	5.3	0.0	1.0	2.3	0.0	0.0	0.0
	0.0	37.2	16.2	3.8	37.2	48.7	50.2	98.4	56.1	2.5	5.0	5.0
21	0.0	0.0	9.1	0.0	0.0	2.9	0.0	15.3	20.3	0.0	0.0	0.0
22	0.0	17.6	0.0	2.5	0.0	5.6	2.4	7.4	4.4	0.0	0.0	0.0
23	0.0	0.0	0.0	5.6	0.0	0.8	14.5	8.1	0.0	0.0	0.0	0.0
24	0.0	1.6	0.0	0.0	0.0	4.7	0.0	4.9	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	2.3	0.0	3.6	4.4	0.0	0.0	0.0	0.0	0.0
26	0.0	1.6	0.0	1.4	0.0	2.5	0.0	0.0	2.2	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	1.4	7.4	10.8	0.0	5.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	11.0	16.5	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	2.7	9.3	10.0	35.0	0.0	0.0	0.0	0.0
30	0.0		32.2	0.0	4.0	1.3	11.1	29.2	7.4	0.0	0.0	0.0
31	0.0		0.0		0.0		11.1	0.0		0.0		0.0
Sum	0.0	20.9	41.3	11.8	13.6	36.1	53.1	116.4	41.3	0.0	0.0	0.0
St. Sum		184.2	101.8	65.6	69.7	126.1	111.9	279.9	141.2	22.1	10.9	5.0
Mean												
Hig.		26.7	32.2	38.2	10.0	27.9	15.5	35.0	30.5	9.4	5.9	5.0
Date		3	30	3	18	19	18	29	9	1	6	11
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

4TH

Station: GINCHI Wereda _____ Awraja _____ Region SHOA
 Alt. _____ Long. _____ Lat. _____ Element Daily Rainfall Year 1991

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0	0.0	0.0	0.0	0.0	0.0	17.8	0.0	9.3	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	2.8	0.0	3.9	5.2	31.6	6.3	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	3.7	6.6	3.5	30.2	25.4	13.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	2.5	3.7	1.2	1.3	6.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	8.7	0.0	23.2	0.0	14.4	5.0	0.0	0.0	0.0	0.0	0.0
7	0.1	0.0	0.0	0.0	4.1	0.0	0.0	15.1	27.5	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	3.5	0.0	0.0	23.9	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	6.0	0.0	0.0	0.0	8.4	25.3	0.0	0.0	0.0	0.0	0.0
	0.1	0.0	14.7	9.0	41.4	8.6	79.2	132.3	61.3	0.0	0.0	0.0	0.0
11	0.0	0.0	7.0	0.0	0.0	9.6	0.0	9.6	1.5	0.0	0.0	0.0	0.0
12	0.0	0.0	5.2	0.0	0.0	2.4	6.6	1.8	5.0	0.0	0.0	0.0	0.0
13	0.0	8.1	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	27.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	8.1	0.0	0.0	0.0	2.3	6.5	4.3	13.4	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	1.1	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	16.8	0.0	0.0	1.2	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	2.1	7.6	18.7	21.2	0.0	0.0	0.0	0.0
	0.0	10.2	12.2	0.0	0.0	60.8	21.0	41.2	49.7	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	10.2	0.0	10.0	14.7	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	9.8	0.0	33.3	4.0	4.9	0.0	0.0	0.0	0.0
23	0.0	5.2	0.0	0.0	0.0	19.0	14.3	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	2.2	0.0	0.0	0.0	12.8	0.0	17.3	0.0	0.0	0.0	0.0	0.0
25	0.0	3.2	0.9	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	11.7	18.9	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	7.8	0.0	36.2	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	29.5	0.0	12.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	2.2	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	1.1	1.5	0.0	7.4	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	2.1		0.0			0.0
Sum	11.7	29.5	0.9	0.0	13.1	94.2	17.6	87.0	19.6	0.0	0.0	0.0	0.0
M. Sum	11.8	39.7	27.8	9.0	54.5	163.6	147.2	260.5	130.6	0.0	0.0	0.0	0.0
Mean													
Hig.	11.7	18.9	8.7	3.7	23.2	29.5	33.3	36.2	27.5				0.0
Date	26	26	6	4	6	28	29	27	7				2
Low													
Date													



NATIONAL METEOROLOGICAL SERVICES AGENCY

4th class

Station: GLNGHE Wereda: Awraja Region: SHOA
 Alt. 2280 M. Long. Lat. Element MAX. FALL. FAL. Year 1992

METEOR. FORM. 37

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	00	00	6.4	00	00	00	8.8	15.7	15.1	00	00	00
2	00	00	6.2	00	00	2.8	6.0	11.8	00	00	00	00
3	00	4.7	00	00	00	00	00	16.0	00	00	00	00
4	00	4.8	00	00	00	00	6.7	5.7	12.8	14.3	00	00
5	00	22.8	12.3	00	00	2.1	29.0	00	00	00	00	00
6	00	00	00	00	11.8	5.3	18.8	0.3	2.7	00	00	00
7	00	15.7	00	00	4.2	21.7	20.4	3.0	00	00	00	00
8	00	1.0	00	00	7.8	5.1	2.6	3.3	6.0	00	00	00
9	2.6	7.1	00	00	00	1.0	0.7	9.4	12.8	15.9	00	00
10	00	9.7	00	00	00	1.3	5.8	4.0	2.7	00	00	00
	2.6	63.2	24.9	00	23.5	39.3	48.8	64.2	52.1	35.2	00	00
11	1.3	00	00	00	4.1	00	6.8	4.7	5.3	19.3	4.1	00
12	00	00	00	00	2.0	00	3.7	4.7	8.5	00	11.2	00
13	00	00	00	00	10.2	3.2	0.9	4.7	9.7	00	00	00
14	00	00	00	00	00	6.1	19.5	00	00	00	00	00
15	00	00	00	3.4	00	6.0	8.7	8.1	00	00	00	00
16	00	00	00	4.0	00	3.3	7.0	8.0	00	00	00	00
17	00	3.5	9.0	00	11.3	00	7.5	6.0	6.0	00	00	00
18	00	00	3.0	00	00	00	4.0	10.1	00	00	00	00
19	2.0	00	00	00	00	7.1	30.0	27.1	00	00	00	00
20	00	00	00	5.5	00	8.0	2.3	2.7	4.5	00	00	00
	3.3	3.5	12.0	12.9	27.6	33.7	40.4	76.1	34.0	19.3	15.3	00
21	00	36.5	00	00	00	8.3	0.0	4.5	00	00	00	00
22	00	00	00	00	00	13.4	2.3	00	00	00	00	00
23	00	00	00	00	00	3.2	00	00	7.0	00	00	00
24	00	00	00	00	8.3	00	1.0	7.7	00	00	00	00
25	4.5	9.7	00	16.7	2.6	00	00	1.0	00	00	00	00
26	00	00	00	18.4	8.4	16.4	00	4.1	00	00	00	00
27	00	00	00	3.7	00	00	16.3	2.2	00	00	00	00
28	6.7	00	00	4.0	00	00	7.7	14.4	00	00	00	00
29	00	00	14.7	5.0	00	13.2	19.7	0.1	00	00	00	00
30	00		00	00	00	00	3.8	00	00	00	00	00
31	4.0		4.3		00		3.8	1.1		00		00
Sum	15.2	46.2	19.0	47.8	14.3	54.5	54.6	35.1	7.0	00	00	00
M. Sum	21.1	112.9	55.9	60.7	70.7	127.5	243.8	180.4	93.1	54.5	15.3	00
Mean												
Hlg.	6.7	36.5	14.7	18.4	11.8	21.7	30.0	27.1	12.8	14.3	11.2	
Date	28	21	29	26	6	7	19	19	4	4	12	
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

4th class

Station: GINCHA Wereda Awraja Region SIDA

Alt. _____ Long. _____ Lat. _____ Element DAIY RAIN FALL Year 1993

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	00	00	00	00	00	00	7.1	23.1	14.8	00	0.0	0.0
2	00	00	00	00	00	1.1	3.1	7.4	16.5	00	0.0	0.0
3	00	3.1	00	6.2	00	00	10.3	6.3	30.5	3.3	0.0	0.0
4	00	00	00	00	00	5.2	10.1	3.5	36.5	00	0.0	0.0
5	00	0.8	00	00	00	5.0	3.0	4.4	12.1	2.0	0.0	0.0
6	00	00	00	10.5	9.0	00	5.2	00	8.0	1.2	0.0	0.0
7	00	1.6	00	00	9.2	11.0	4.0	15.1	5.0	00	0.0	0.0
8	00	00	4.5	00	00	00	5.1	21.0	00	00	0.0	0.0
9	00	00	3.6	00	00	00	00	4.5	00	00	0.0	0.0
10	9.1	45.8	20.9	00	00	00	5.3	4.1	5.0	00	0.0	0.0
	9.1	51.3	29.0	16.7	18.2	22.3	53.2	49.1	128.4	6.5	0.0	0.0
11	00	30.0	00	00	18.6	00	4.4	5.2	00	00	0.0	0.0
12	00	00	00	00	15.0	7.5	00	4.1	6.0	00	0.0	0.0
13	00	00	00	14.0	15.6	4.0	3.2	54.5	8.0	00	0.0	0.0
14	00	00	00	16.2	00	00	2.0	00	3.0	00	0.0	0.0
15	00	00	00	30.0	2.8	12.5	00	2.1	4.1	00	0.0	0.0
16	00	00	00	15.0	10.1	00	1.5	2.2	5.5	00	0.0	0.0
17	00	00	00	20.0	00	00	2.1	15.3	00	00	0.0	0.0
18	00	00	3.6	18.1	00	00	5.0	16.5	10.5	00	0.0	0.0
19	00	00	00	6.4	10.2	11.5	3.4	44.5	20.0	00	0.0	0.0
20	00	00	00	12.8	00	15.7	3.4	7.1	5.2	00	0.0	0.0
	00	30.0	3.6	132.5	72.3	51.2	22.0	151.5	62.3	00	0.0	0.0
21	00	00	00	00	00	15.0	8.6	20.0	10.0	00	0.0	0.0
22	00	1.5	00	00	15.3	14.0	13.9	15.2	2.2	4.9	0.0	0.0
23	00	5.0	00	00	00	11.0	14.4	15.0	3.0	00	0.0	0.0
24	13.7	00	00	00	00	00	8.3	16.2	0.7	00	0.0	0.0
25	00	00	00	3.0	30.0	00	6.9	9.0	00	1.1	0.0	0.0
26	00	00	00	4.8	5.0	2.5	00	00	5.1	4.0	0.0	0.0
27	00	00	00	00	00	3.0	3.3	2.0	3.0	00	0.0	0.0
28	00	00	00	00	6.7	3.2	3.0	1.3	15.0	2.0	0.0	0.0
29	00		00	00	6.0	9.1	8.5	3.7	34.9	4.9	0.0	0.0
30	00		00	00	00	6.2	28.3	4.5	00	00	0.0	0.0
31	00		0.4		00		37.5	37.0		00		0.0
Sum	13.7	6.5	0.4	7.8	63.0	64.0	132.7	123.9	73.4	16.9	0.0	0.0
M. Sum	22.8	87.8	33.0	157.0	153.5	137.5	208.9	374.5	217.6	22.1		
Mean												
Hig.	13.7	45.8	20.9	30.0	30.0	15.7	37.5	54.5	36.5	4.9		
Date	24	10	10	15	25	2.0	31	13	4	22		
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Ginchi Wereda: _____ Awraja: _____ Region: S.MOA
 Alt.: _____ Long.: _____ Lat.: _____ Element: Daily Rainfall year 1994

COMMERCIAL P. E 4305/96

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	0.0	0.0	3.1	0.0	13.5	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	2.3	9.1	4.4	8.3	2.5	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	2.4	3.7	14.3	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	7.2	0.0	13.7	19.7	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	9.3	26.7	6.9	70.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	11.7	1.3	2.1	1.0	3.6	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	8.9	2.0	38.1	2.3	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	2.0	24.2	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	1.6	0.0	6.5	1.3	0.0	6.6	0.0
10	0.0	0.0	1.5	0.0	90.9	0.0	18.8	11.1	9.8	0.0	5.4	0.0
	0.0	0.0	1.5	0.0	36.9	12.9	57.7	112.6	11.2	0.0	12.0	0.0
11	0.0	0.0	25.0	1.3	5.7	0.0	0.0	13.5	4.9	0.0	0.0	0.0
12	0.0	0.0	1.6	0.0	0.7	0.0	5.4	0.0	28.7	0.0	0.0	0.0
13	0.0	0.0	15.9	3.6	0.0	9.6	0.0	8.5	3.5	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	10.9	0.0	5.8	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	26.6	0.0	9.5	6.6	0.0	0.0	0.0
16	0.0	0.0	0.0	5.3	20.6	4.9	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	2.7	0.0	33.6	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	7.5	14.7	0.0	13.0	20.4	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	20.2	3.8	0.0	4.2	21.2	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	23.7	0.0	0.0	5.0	31.7	19.1	0.0	0.0	0.0
	0.0	0.0	42.5	61.1	50.2	52.0	61.2	111.2	51.8	0.0	0.0	0.0
21	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0
22	0.0	0.0	0.0	1.6	0.0	0.0	23.9	13.9	37.8	0.0	0.0	0.0
23	0.0	0.0	0.0	0.8	0.0	7.9	11.8	7.5	0.0	0.0	0.0	0.0
24	0.0	0.0	19.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0
25	0.0	0.0	18.8	0.0	0.0	0.0	10.2	32.7	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	3.9	0.0	8.1	17.1	14.6	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	10.4	8.5	0.0	0.0	0.0	0.0
28	0.0	0.0	16.5	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	3.5	0.0	12.3	0.0	0.0
30	0.0		0.0	4.8	4.8	24.7	4.1	1.3	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		10.2	13.7		0.0		0.0
Sum	0.0	0.0	54.5	15.9	4.8	43.7	95.9	101.9	67.0	12.3	0.0	0.0
M. Sum			98.8	77.5	91.9	138.1	216.8	361.1	167.0	12.3	12.0	0.0
Mean												
Hig.			25.0	23.7	22.9	27.7	33.6	38.1	37.8	12.3	6.6	
Date			11	20	10	30	17	7	22	29	9	
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

4th Class

Station: GINCHI Wereda: Awraja Region: SIDA
 Alt. _____ Long. _____ Lat. _____ Element: DAILY RAINFALL Year: 1997

COMMERCIAL P. E. 4305/86

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	0.0	0.0	5.3	20.4	23.4	2.7	0.0	0.0	0.0
2	0.0	0.0	0.0	6.0	0.0	0.0	2.2	3.5	6.9	0.0	0.0	0.0
3	3.5	0.0	0.0	3.6	0.0	0.0	13.3	6.2	12.9	0.0	0.0	0.0
4	0.0	0.0	4.2	0.0	3.5	0.0	0.0	2.6	4.3	0.0	0.0	0.0
5	0.0	0.0	0.0	1.5	8.8	0.0	2.5	1.9	15.1	0.0	0.0	0.0
6	0.0	0.0	0.0	16.2	0.0	0.0	0.9	4.1	8.2	0.0	0.0	0.0
7	0.0	0.0	0.0	2.3	0.0	0.0	24.0	0.0	5.4	0.0	0.0	0.0
8	0.0	0.0	0.0	1.5	0.0	1.3	0.0	0.0	1.1	0.0	0.0	0.0
9	0.0	1.3	1.5	30.6	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0
10	0.0	2.5	0.0	0.0	0.0	0.0	0.0	9.8	3.4	0.0	0.0	0.0
	3.5	3.8	5.7	11.1	11.1	11.1	13.3	5.1	6.0			
11	0.0	0.0	0.0	36.6	6.8	0.0	3.0	5.2	0.0	0.0	0.0	0.0
12	0.0	3.5	0.0	2.1	20.7	0.0	2.1	9.2	5.4	0.0	0.0	0.0
13	0.0	6.3	0.0	4.8	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
14	0.0	13.5	0.0	40.0	4.3	0.0	2.0	4.1	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	30.6	0.0	0.0	0.0	28.3	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	5.3	6.0	3.2	11.4	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	5.6	8.5	8.0	4.1	0.6	10.5	0.0	0.0	0.0	0.0
18	0.0	0.0	3.6	14.3	12.0	16.7	0.0	2.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	10.2	0.0	0.0	9.0	2.2	1.2	0.0	0.0	1.7
20	0.0	0.0	0.0	0.0	7.0	0.0	11.0	3.2	5.1	0.0	0.0	0.0
	0.0	23.3	9.2	15.1	64.8	24.1	40.1	65.3	11.1			
21	0.0	0.0	0.0	0.0	0.0	0.0	6.3	6.8	2.1	0.0	0.0	0.0
22	0.0	0.0	0.0	3.5	0.0	0.0	3.0	17.9	7.2	0.0	0.0	0.0
23	0.0	0.0	0.0	44.0	0.0	0.0	0.0	3.5	8.4	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	2.1	3.5	8.9	12.1	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	4.2	1.6	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	8.9	0.0	3.1	16.9	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	10.2	0.0	8.1	8.2	3.4	0.0	0.0	0.0	0.0
28	0.0	3.1	0.0	0.0	0.0	12.2	10.6	10.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	7.0	5.7	5.2	7.1	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	3.8	9.0	0.0	0.0	0.0	0.0
31	0.0		0.0	0.0	0.0	0.0	6.5	17.3		0.0		26.1
Sum	71.0	31.1	0.0	62.7	71.1	31.1	62.7	28.3	28.3			
M. Sum		31.2	14.9	22.2	23.7	21.3	17.4	21.1	1.1			
Mean												
Hig.	3.5	13.5	5.6	44.0	20.7	16.7	24.0	28.3	15.1			26.1
Date	3	14	17	23	12	18	7	15	5			31
Low												
Date												

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Ginchi Woreda _____ No. _____ Region: SHO A
 Alt: _____ Long _____ Lat _____ Elev: Daily Rainfall Year: 1996

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	7.6	0.0	0.0	1.2	0.0	7.8	0.5		15.6	13.2	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	15.8		18.6	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	10.1	0.0		4.6	0.0	0.0	0.0
4	0.0	0.0	0.3	0.0	0.0	0.0	4.2		13.7	0.0	0.0	0.0
5	3.0	0.0	0.0	4.7	0.0	0.0	7.0		9.0	0.0	0.0	0.0
6	6.2	0.0	1.3	15.4	0.0	9.3	0.5		6.0	0.0	0.0	0.0
7	0.0	0.0	0.0	12.1	0.0	11.2	11.0		2.1	3.3	0.0	0.0
8	0.0	0.0	1.3	19.1	0.0	17.3	2.5		2.9	0.0	0.0	0.0
9	0.0	0.0	4.3	0.0	16.3	0.0	8.4		3.8	3.2	0.0	0.0
10	0.0	0.0	11.8	0.0	19.8	8.5	7.9		4.3	0.0	0.0	0.0
11	16.8	0.0	19.0	52.5	36.1	64.2	57.8		80.6	14.1	0.0	0.0
12	0.0	0.0	0.0	0.6	0.0	0.0	10.0		0.6	0.0	0.0	0.0
13	0.0	0.0	0.0	3.2	0.0	0.0	15.0		0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	10.2	12.0		1.3	0.0	0.0	0.0
15	0.0	0.0	8.6	0.0	2.4	0.0	0.0		12.4	0.0	0.0	0.0
16	0.0	0.0	1.2	0.0	3.0	0.0	10.0		11.4	0.0	1.2	0.0
17	0.0	0.0	0.0	0.0	5.2	0.0	17.1		10.0	0.0	0.0	0.0
18	1.5	0.0	0.0	7.2	0.0	5.1	16.2		6.0	0.0	0.0	0.0
19	0.0	0.0	6.3	5.1	0.0	9.3	0.0		9.8	0.0	0.0	0.0
20	0.0	0.0	4.5	10.3	0.0	11.2	9.9		18.2	0.0	0.0	0.0
21	0.5	0.0	28.6	26.4	19.8	35.8	91.5		2.1	0.0	0.0	0.0
22	0.0	0.0	5.6	0.0	3.5	3.8	2.4		41.5	0.0	1.2	0.0
23	0.0	0.0	13.8	0.0	4.4	8.3	32.3		5.6	0.0	0.0	0.0
24	0.0	0.0	5.2	0.0	0.0	6.4	15.7		14.6	0.0	0.0	0.0
25	0.0	0.0	10.7	0.0	0.0	0.0	2.3		11.6	0.0	0.0	0.0
26	1.9	0.0	3.5	0.0	0.0	7.9	5.2		5.3	0.0	0.0	0.0
27	4.7	0.0	12.8	0.0	27.5	3.4	0.0		10.0	0.0	0.0	0.0
28	0.0	2.9	16.4	11.7	0.0	21.7	17.8		0.0	0.0	0.0	0.0
29	0.0	0.0	7.9	0.0	0.0	0.0	3.9		0.5	0.0	0.0	0.0
30	0.0	0.0	1.5	0.0	5.2	0.0	21.3		0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	3.1	0.0	1.6		0.9	0.0	0.0	0.0
32	0.0	0.0	0.0	15.9	2.9				0.0	0.0	0.0	0.0
Sum	6.6	8.9	77.2	11.7	54.6	51.5	105.4		32.5	0.0	0.0	0.0
M. Day	21.9	2.9	118.8	90.6	108.5	151.5	254.7		190.9	14.7	1.2	0.0
Mean												
Hig.	17.6	2.9	16.4	19.1	27.5	21.7	32.3		18.6	13.2	1.2	
Date	1	27	27	8	26	27	22		2	1	15	
Low												
Date												



ETHIOPIAN METEOROLOGICAL SERVICE.

Form C24
STATION:

Holleto R.S (SIIDA)

ELEMENT: Temperature, dry and wet bulb, 1200.

Daily Rainfall

YEAR: 1981

ANTARCTIC PAPER SIZE

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0	0.0	2.0	0.0	0.0	0.0	1.0	22.3	12.4	0.0	0.0	0.0	
2	0.0	0.0	3.6	0.0	8.2	0.0	5.6	0.0	4.0	0.0	0.0	0.0	
3	0.0	0.0	0.9	2.1	0.0	0.0	15.0	0.0	0.0	2.0	0.5	0.0	
4	0.0	0.0	6.0	0.3	0.0	0.0	35.1	22.0	31.2	0.0	0.0	0.0	
5	0.0	0.0	0.0	4.4	0.2	0.0	11.0	28.2	30.8	0.0	0.0	0.0	
6	0.0	0.0	5.9	1.0	0.0	0.0	54.8	14.0	13.2	0.6	0.0	0.0	
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	12.6	0.4	0.0	0.0	
8	0.0	0.0	0.0	1.7	0.0	1.1	18.0	6.6	13.2	0.0	0.0	0.0	
9	0.0	0.0	0.0	0.8	0.0	0.0	0.5	1.1	4.7	0.0	0.0	0.0	
10	0.0	0.0	0.0	0.0	0.0	0.0	4.5	1.2	1.6	0.0	0.0	0.0	
11	8.0	8.6	0.3	0.0	0.0	0.0	11.0	10.0	12.9	0.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	0.0	0.0	7.2	3.0	0.4	0.0	0.0	0.0	
13	0.0	0.0	6.5	7.7	0.0	0.0	2.5	0.0	14.6	0.0	0.0	0.0	
14	0.0	4.8	2.5	3.0	18.3	1.2	10.0	0.0	2.7	0.0	0.0	0.0	
15	0.0	0.0	4.3	0.8	0.0	1.5	5.0	8.8	3.6	0.0	0.0	0.0	
16	0.0	0.2	1.0	15.8	0.0	1.0	6.0	8.5	0.0	0.0	0.0	0.0	
17	0.0	0.6	0.0	8.0	3.5	1.6	5.3	21.0	3.0	0.0	0.0	0.0	
18	0.0	6.8	0.0	23.3	0.4	0.6	0.9	2.6	3.4	0.0	0.0	0.0	
19	0.0	0.5	0.4	0.7	0.2	0.0	9.9	1.9	7.2	0.0	0.0	0.0	
20	0.0	0.0	0.0	0.5	0.0	0.0	3.4	1.4	6.3	0.0	0.0	0.0	
21	8.0	8.8	2.2	2.5	0.0	7.4	15.0	12.1	0.7	0.0	0.0	0.0	
22	0.0	0.0	4.5	5.6	0.0	5.7	32.0	10.8	0.0	0.0	0.0	0.0	
23	0.0	0.0	10.0	0.8	0.0	2.6	7.7	0.8	3.3	0.0	0.0	0.0	
24	0.0	0.0	27.5	6.5	0.0	15.6	6.7	1.4	4.8	0.0	0.0	0.0	
25	0.0	0.0	0.0	18.7	2.6	2.8	19.7	23.1	1.2	0.0	0.0	0.0	
26	0.0	0.0	0.0	2.8	0.0	8.0	17.5	21.8	10.5	0.0	0.0	3.9	
27	0.0	0.0	26.4	0.0	0.0	4.8	7.2	15.2	0.0	0.0	0.0	0.0	
28	0.0	0.0	11.6	2.8	0.0	5.6	0.0	13.0	0.0	0.0	0.0	0.0	
29	0.0	0.0	0.3	0.0	0.0	1.6	7.8	3.5	0.0	0.0	0.0	0.0	
30	0.0	0.0	0.2	0.0	1.5	1.0	32.4	9.0	0.0	0.0	0.0	0.0	
31	0.0	0.0	0.0	0.0	0.0	0.0	13.8	0.0	0.0	0.0	0.0	11.5	
	0.0	22.5	113.8	111.8	34.9	56.1	366.5	258.1	188.8	3.6	0.5	15.4	Total
													Mean
		9.6	17.5	23.3	18.3	15.6	54.8	28.2	31.2	2.0	0.5	11.5	Highest
													Date
													Lowest
													Date
													Number of

Ashagre Tadesse 25th 3-6-1



570

ETHIOPIAN METEOROLOGICAL SERVICE.

Form C24

STATION: *Hollita R.S. (SHOA)*

ELEMENT: *Daily Rainfall*
Temperature, dry-and-wet bulb's 1200.

YEAR: *1982*

ART. 871C PRES. 0917 P

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0	0.0	0.9	6.2	0.0	0.0	0.6	10.3	5.5	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	0.0	2.8	9.0	3.0	6.2	0.0	0.0	
3	0.0	0.0	29.8	0.0	0.0	0.0	6.1	14.1	14.3	5.0	0.0	2.2	
4	0.0	0.0	2.4	0.0	0.0	0.9	18.1	14.6	6.6	4.4	0.0	0.0	
5	6.8	0.0	1.8	3.1	0.0	0.0	5.7	1.2	0.0	6.6	0.7	0.0	
6	1.8	0.0	0.0	0.0	0.0	0.0	2.6	1.3	6.6	1.6	10.0	0.0	
7	0.0	0.0	0.0	0.0	0.0	0.0	8.6	10.4	7.6	9.4	4.0	0.0	
8	0.0	0.0	0.0	49.2	10.3	0.0	1.4	23.3	0.0	5.2	0.0	0.0	
9	0.0	2.7	0.0	42.5	1.2	0.0	0.0	18.2	0.0	0.0	0.8	0.0	
10	0.0	0.0	0.0	0.7	11.8	0.0	0.4	1.4	6.9	0.0	10.0	0.0	
11	0.0	0.3	0.0	9.1	13.4	0.0	12.3	0.0	2.4	0.0	0.4	0.0	
12	0.0	0.0	0.0	6.4	4.0	0.0	0.0	12.7	1.5	0.0	2.7	0.0	
13	0.0	13.9	0.0	0.0	5.7	0.0	0.3	11.0	1.5	0.0	0.0	1.7	
14	2.9	17.5	0.0	0.0	1.5	1.6	0.9	1.2	19.6	3.5	0.0	0.0	
15	9.7	0.0	0.0	0.0	0.0	4.7	11.7	3.9	9.6	0.3	0.0	2.1	
16	0.0	0.0	0.0	0.0	4.8	1.5	12.3	0.8	8.9	0.0	0.0	0.0	
17	3.0	0.0	0.0	0.0	0.0	13.9	2.0	29.6	0.5	0.0	0.0	24.3	
18	3.0	0.0	0.0	0.0	0.0	0.5	12.0	11.6	3.7	0.0	0.0	0.0	
19	0.0	6.0	0.0	0.1	0.0	0.4	8.7	1.5	0.0	0.0	0.9	0.0	
20	0.0	0.0	0.0	0.0	0.0	1.0	10.4	2.0	5.6	0.1	0.0	0.0	
21	0.0	0.0	0.0	9.9	0.0	17.4	1.9	32.7	0.6	0.0	0.0	0.0	
22	0.0	0.0	1.1	0.0	0.0	9.4	25.7	19.6	0.0	0.0	0.0	0.0	
23	16.2	0.0	1.3	0.0	0.0	13.4	25.0	17.6	0.0	0.0	0.0	0.0	
24	0.0	0.0	0.0	0.9	0.0	0.0	9.3	10.0	18.2	0.0	0.0	0.0	
25	0.0	1.25	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	
26	0.0	8.5	0.0	0.0	0.0	4.9	8.5	2.0	0.0	0.0	15.5	0.0	
27	0.0	0.0	0.0	0.0	0.4	5.5	2.3	7.0	0.0	0.0	0.7	0.0	
28	0.0	7.9	0.0	0.0	0.6	2.0	31.9	2.0	0.0	0.0	0.0	0.0	
29	0.0		21.7	0.0	0.0	5.0	5.0	9.7	0.0	0.0	0.7	0.0	
30	0.0		18.4	0.0	0.0	2.8	4.0	5.2	0.0	0.0	0.0	0.0	
31	0.0		7.3		0.0		15.0	0.0		0.0		0.0	
	16.2	17.5	29.8	49.2	13.4	17.4	31.9	32.7	19.6	9.4	15.5	24.3	Total
	43.4	58.7	84.7	120.1	53.7	84.9	250.9	284.5	124.6	42.2	46.7	50.3	Mean
													Highest
	23	14	3	8	11	21	28	21	14	7	26	17	Date
													Lowest
													Date
													Number of

Ashoala Tadese AJT



5711

ETHIOPIAN METEOROLOGICAL SERVICE.

Form C24

STATION: *Holleta R.S (SHOA)*

Holleta R.S (SHOA)

YEAR: *1983*

ELEMENT: *Daily Range Rainfall.*

Temperature, dry- and wet-bulb +100.

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0	2.7	0.0	0.0	0.0	12.4	12.8	3.7	9.6	0.6	0.0	0.0	
2	0.0	1.9	0.0	0.0	0.9	7.1	2.0	7.9	6.6	1.2	0.0	0.0	
3	0.0	3.9	0.0	0.7	11.3	0.8	0.0	7.6	0.8	0.0	0.0	0.0	
4	0.0	7.5	3.6	0.6	1.0	0.0	0.0	2.9	0.8	0.5	0.0	0.0	
5	0.0	0.0	0.8	11.4	0.0	0.9	1.4	4.0	0.9	0.0	0.0	0.0	
6	0.0	0.0	0.0	0.0	5.8	5.5	0.0	7.2	11.2	5.2	0.0	0.0	
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	6.8	4.4	0.0	0.0	
8	0.0	0.0	0.0	0.0	0.0	0.0	5.7	19.2	0.7	0.6	2.5	0.0	
9	0.0	15.1	0.0	32.1	0.0	0.0	3.5	4.5	0.9	0.0	1.4	0.0	
10	0.0	2.1	0.0	0.0	0.0	0.0	0.0	2.4	11.3	0.0	0.0	0.0	
11	0.0	0.0	3.2	3.3	0.0	0.0	0.0	2.0	4.1	0.0	0.0	0.0	
12	0.0	0.0	0.0	1.0	0.0	0.0	7.2	23.2	4.4	0.0	0.0	0.0	
13	0.0	0.0	0.0	0.2	0.8	0.0	7.0	11.5	3.3	0.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	7.4	0.0	4.3	1.8	0.8	0.0	0.0	0.0	
15	0.0	0.0	3.8	0.0	14.1	0.0	14.0	8.8	9.3	0.0	0.0	0.0	
16	0.0	0.0	0.2	0.0	11.6	0.0	4.5	16.5	3.0	0.0	0.0	0.0	
17	0.0	2.1	0.0	24.6	13.5	0.3	2.8	17.2	0.8	0.0	0.0	0.0	
18	0.0	0.0	7.5	8.2	17.2	4.2	27.2	35.5	8.4	0.9	0.0	0.0	
19	0.0	5.2	0.0	1.4	40.4	0.7	8.6	0.3	0.5	10.1	0.0	0.0	
20	0.0	6.3	0.0	0.0	16.6	8.9	2.9	2.9	0.6	0.3	0.0	0.0	
21	0.0	7.8	0.0	6.3	0.0	7.8	0.8	0.0	0.0	0.0	0.0	0.0	
22	2.3	0.0	0.0	0.9	0.0	0.0	9.0	12.6	1.0	0.0	0.0	6.5	
23	0.0	1.3	15.9	1.3	21.2	0.0	8.6	7.4	0.0	0.0	0.0	0.0	
24	17.6	0.0	15.3	0.0	4.1	0.2	7.5	4.2	0.0	0.0	0.0	0.0	
25	0.0	0.0	48.4	0.0	2.4	5.6	1.9	7.2	3.9	0.0	0.0	0.0	
26	0.0	0.0	12.8	21.5	0.9	0.0	4.2	5.5	0.9	0.0	0.0	13.2	
27	0.0	0.0	0.0	6.5	18.3	0.9	4.5	16.3	1.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	4.6	10.6	6.7	43.1	18.0	2.5	0.0	0.0	3.0	
29	0.0	0.0	4.4	1.5	5.2	13.4	6.6	9.0	2.8	0.0	0.0	0.0	
30	0.0	0.0	4.5	0.0	0.0	18.1	21.0	0.4	0.0	0.0	0.0	0.0	
31	0.0	0.0	0.0	0.0	15.8	0.0	33.1	3.4	0.0	0.0	0.0	0.0	
	19.9	2.0	101.2	42.6	76.5	46.7	110.3	84.0	12.1	0.0	0.0	22.1	
	19.9	49.9	120.4	126.1	219.1	87.5	241.2	284.1	101.9	23.8	3.9	22.7	Total
													Mean
	17.6	15.1	48.4	32.1	40.4	18.1	43.1	35.5	11.3	10.1	2.5	13.2	Highest
	24	9	25	9	19	30	28	18	10	19	8	26	Date
													Lowest
													Date
													Number of

met



ETHIOPIAN METEOROLOGICAL SERVICE.

Form C22

STATION: Holetta R.S. (S.H.A.)

ELEMENT: daily rain fall in mm
Vapour Pressure at 1800.

YEAR: 1984

ARTIFICIAL PULSE 1202 P

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0	0.0	0.0	3.8	0.0	10.6	8.4	6.5	10.3	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	3.8	10.9	13.3	4.5	0.0	0.0	0.0	
3	0.0	0.0	0.0	0.0	0.0	17.6	2.0	10.4	33.2	0.0	0.0	0.0	
4	0.0	0.0	0.0	0.0	0.0	4.9	6.4	2.5	6.0	0.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	0.0	5.1	11.9	1.2	1.0	0.0	0.0	0.0	
6	0.0	0.0	0.0	0.0	0.0	1.2	1.5	9.4	2.3	0.0	0.0	0.0	
7	0.0	0.0	0.0	3.4	0.0	0.0	7.6	0.0	4.9	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	2.5	5.0	1.2	0.8	1.3	0.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	0.0	2.2	5.1	11.4	5.2	0.0	0.0	0.0	
10	0.0	0.0	0.0	0.0	2.6	8.0	9.3	0.0	0.0	0.0	0.0	0.0	
11	0.0	0.0	0.0	0.0	1.2	4.0	9.8	0.0	13.4	0.0	0.0	13.1	
12	0.0	0.0	0.0	0.0	2.1	0.0	3.1	5.3	8.5	0.0	0.0	0.0	
13	0.0	0.0	0.0	1.3	10.6	1.0	1.3	0.0	0.0	0.0	0.0	0.0	
14	0.0	0.0	3.4	0.0	2.4	0.0	17.7	7.6	7.8	0.0	0.6	0.0	
15	0.0	0.0	0.0	0.0	6.0	3.5	20.6	22.8	1.9	0.0	TR.0	0.0	
16	0.0	0.0	18.4	0.0	0.0	4.5	4.9	6.7	0.0	0.0	0.0	0.0	
17	0.0	0.0	0.0	0.0	1.5	2.2	21.4	1.2	0.0	0.0	0.0	0.0	
18	0.0	0.0	0.0	0.0	33.5	0.9	9.5	0.0	0.0	0.0	0.0	0.0	
19	0.0	0.0	0.0	0.0	0.8	14.8	4.6	8.2	0.2	0.0	0.0	0.0	
20	0.0	0.0	0.0	0.0	0.0	15.6	0.9	13.7	3.1	0.0	0.0	0.0	
21	0.0	0.0	0.0	0.0	0.0	2.0	0.0	25.8	0.0	0.0	0.0	0.0	
22	0.0	0.0	13.8	0.0	0.0	31.4	21.2	6.4	0.0	0.0	0.0	0.0	
23	0.0	0.0	0.0	0.0	12.5	4.4	9.4	4.6	0.0	0.0	0.0	0.0	
24	0.0	0.0	2.6	0.0	2.0	4.7	2.4	2.8	0.0	0.0	0.0	0.0	
25	0.0	0.0	1.5	0.0	12.5	22.0	2.3	17.8	0.0	0.0	0.0	0.0	
26	0.0	0.0	0.0	0.0	3.5	1.0	15.7	9.3	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	0.0	2.4	16.1	3.1	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	0.0	1.8	4.7	4.1	8.2	0.0	0.0	0.0	0.0	
29	0.0	0.0	2.1	0.0	25.5	1.0	29.0	9.1	0.0	0.0	0.0	0.0	
30	0.0	0.0	0.0	0.0	8.6	0.0	6.6	12.0	2.5	0.0	0.0	0.0	
31	0.0	0.0	0.0	0.0	1.5	0.0	1.4	2.5	0.0	0.0	0.0	0.0	
						73.6	108.2	108.8	2.5				
	0.0	0.0	41.8	8.5	141.6	178.5	258.3	221.8	106.1	0.0	0.6	13.1	Total
													Mean
			18.4	3.8	33.5	31.4	29.0	25.0	33.2		0.6	13.1	Highest
			16.0	1	18	22	29	21	3		1.4	11	Date
													Lowest
													Date
													Number of