MET

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Sululta .... Wereda .... Awraja .... Region ....

Alt. .... Long. .... Lat. .... Element Daily Rain fall Year 1984

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0	0.0	0.0	0.0	0.0	5.0	5.0	11.3	6.5	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	2.0	6.4	8.3	10.0	0.0	0.0	0.0	
3	0.0	0.0	0.0	0.0	2.0	2.5	3.0	10.0	11.3	0.0	0.0	0.0	
4	0.0	0.0	0.0	0.0	0.0	3.7	9.4	19.5	6.9	0.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	0.0	2.5	13.0	13.0	11.3	0.0	0.0	0.0	
6	0.0	0.0	0.0	0.0	0.0	0.0	5.3	10.5	5.0	0.0	0.0	0.0	
7	0.0	0.0	0.0	0.0	0.0	2.5	5.3	13.0	1.5	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	0.0	6.0	18.3	10.5	2.3	0.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	0.0	0.0	8.3	8.1	0.0	0.0	0.0	0.0	
10	0.0	0.0	0.0	0.0	0.0	11.5	24.0	6.0	5.0	0.0	0.0	0.0	
	0.0	0.0	0.0	0.0	2.0	35.7	98.0	110.2	59.8	0.0	0.0	0.0	
11	0.0	0.0	0.0	0.0	6.0	10.2	3.0	2.5	3.2	0.0	3.0	0.0	
12	0.0	0.0	0.0	0.0	0.0	6.7	4.0	5.0	7.2	0.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	4.0	11.4	3.0	5.8	3.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	6.5	6.0	16.5	18.0	6.0	5.5	0.0	0.0	0.0	
15	0.0	0.0	0.0	6.0	6.5	9.8	23.0	5.1	0.0	0.0	0.0	0.0	
16	0.0	0.0	2.5	3.5	2.5	19.0	8.0	5.2	0.0	0.0	0.0	0.0	
17	0.0	0.0	0.0	0.0	6.0	11.8	12.0	5.0	0.0	0.0	0.0	4.5	
18	0.0	0.0	0.0	0.0	6.0	13.4	8.0	4.5	0.0	0.0	0.0	3.0	
19	0.0	0.0	1.5	0.0	4.0	13.0	10.3	5.0	0.0	0.0	0.0	0.0	
20	0.0	0.0	0.0	0.0	2.0	10.5	11.0	4.7	0.0	0.0	0.0	0.0	
	0.0	0.0	4.0	16.0	43.0	122.3	100.3	48.8	18.9	0.0	3.0	0.0	
21	0.0	0.0	2.0	0.0	0.0	29.0	5.9	5.0	0.0	0.0	0.0	0.0	
22	0.0	0.0	3.7	0.0	2.5	10.0	6.3	8.0	4.0	0.0	0.0	0.0	
23	0.0	0.0	0.0	0.0	0.0	13.0	5.0	11.3	0.0	0.0	0.0	0.0	
24	0.0	0.0	4.0	0.0	4.0	8.5	10.3	9.0	0.0	0.0	0.0	0.0	
25	0.0	0.0	3.5	4.1	4.5	10.0	10.9	13.8	0.0	0.0	0.0	0.0	
26	0.0	0.0	2.0	2.0	5.0	3.3	11.3	22.0	0.0	0.0	0.0	0.0	
27	0.0	0.0	4.0	0.0	2.5	6.8	6.5	11.5	0.0	0.0	0.0	0.0	
28	0.0	0.0	5.0	0.0	4.5	15.2	15.3	5.8	0.0	0.0	0.0	0.0	
29	0.0	0.0	4.0	0.0	6.0	4.5	13.7	10.3	0.0	0.0	0.0	0.0	
30	0.0		4.0	0.0	6.5	x	10.5	7.0	0.0	0.0	0.0	0.0	
31	0.0		4.5		7.0		13.5	9.0		0.0		0.0	
Sum	0.0	0.0	36.7	6.1	42.5	100.3	109.?	113.?	4.0				
M. Sum	0.0	0.0	40.7	22.1	87.5	358.3	307.?	271.?	82.7		3.0	7.5	
Mean													
Hig.													
Date													
Low													
Date													

Copied by: Name .... Sig. .... 3 — 1 1 — 2 .... Sig. ....

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: SULULTA Wereda Awraja Region: Situn

Alt. Long. Lat. Element DAILY RAINFALL Year 1985

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0	0.0	0.0	0.0	T.8	0.0	9.0	10.5	1.5	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	3.0	0.0	7.0	4.5	TR	0.0	0.0	0.0	
3	0.0	0.0	0.0	0.2	5.2	0.0	4.0	7.2	0.0	0.0	0.0	0.0	
4	0.0	0.0	0.0	0.0	TR	2.5	6.0	5.0	0.0	0.0	0.0	0.0	
5	0.0	0.0	TR	0.0	2.5	6.0	4.5	6.1	0.0	0.0	0.0	0.0	
6	0.0	0.0	0.0	2.0	0.0	0.0	11.3	5.3	0.0	0.0	0.0	0.0	
7	0.0	0.0	0.0	0.0	1.8	TR	8.1	2.8	0.0	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	0.0	0.0	6.5	TR	0.0	0.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	0.0	0.0	10.0	9.2	0.0	0.0	0.0	0.0	
10	0.0	0.0	0.0	10.0	0.0	0.0	11.0	7.2	0.0	0.0	0.0	2.0	
	0.0	0.0	TR	10.0	20.3	8.5	82.6	62.5	1.5	0.0	0.0	0.0	
11	0.0	0.0	0.0	TR	0.0	0.0	8.2	5.0	11.5	0.0	0.0	0.0	
12	0.0	0.0	0.0	8.5	0.0	0.0	11.0	5.4	10.3	0.0	0.0	0.0	
13	0.0	0.0	0.0	15.7	0.0	0.0	9.5	3.2	11.5	0.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	0.0	0.0	7.0	4.0	0.0	0.0	0.0	0.0	
15	0.0	0.0	0.0	0.0	0.0	7.0	11.4	0.0	2.5	0.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	9.0	10.2	0.2	3.2	0.0	0.0	0.0	
17	0.0	0.0	0.0	0.0	0.0	8.0	7.0	0.0	0.0	0.0	0.0	0.0	
18	2.0	0.0	4.0	0.0	0.0	12.0	13.3	0.0	0.0	0.0	0.0	0.0	
19	0.0	0.0	5.0	0.0	0.0	6.0	5.4	0.0	0.0	0.0	0.0	0.0	
20	0.0	0.0	6.8	1.5	0.0	11.0	9.3	0.0	0.0	0.0	0.0	0.0	
	0.0	0.0	15.8	25.7	0.0	53.0	92.8	18.2	34.0	0.0	0.0	0.0	
21	0.0	0.0	0.0	3.4	0.0	7.5	7.8	0.0	0.0	0.0	0.0	0.0	
22	0.0	0.0	0.0	5.0	0.0	9.0	12.3	0.0	TR	0.0	0.0	0.0	
23	0.0	0.0	0.0	3.1	0.0	10.0	6.9	0.0	0.0	0.0	0.0	0.0	
24	15.0	0.0	0.0	5.0	0.0	13.0	8.T	0.0	0.0	0.0	0.0	0.0	
25	4.2	0.0	0.0	6.5	0.0	9.1	11.5	0.0	0.0	0.0	0.0	0.0	
26	2.0	0.0	0.0	3.9	0.0	0.0	11.4	0.0	0.0	0.0	0.0	0.0	
27	3.1	0.0	0.0	5.8	2.0	0.0	9.5	0.0	0.0	0.0	0.0	0.0	
28	0.0	0.0	5.8	T.R	0.0	0.0	10.3	0.0	0.0	0.0	0.0	0.0	
29	0.0		0.0	0.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	0.0	
30	0.0		0.0	0.0	0.0	0.0	T.8	0.0	0.0	0.0	0.0	0.0	
31	0.0		0.0		0.0		10.3	0.0		0.0		0.0	
Sum	14.3	0.0	5.8	32.7	0.0	48.6	103.1	0.0	TR	0.0	0.0	0.0	
M. Sum	14.3		21.6	68.4	20.3	110.1	278.5	81.0	40.5				
Mean													
Hig.	5.0		6.8	15.7	7.8	13.0	13.3	10.5	11.5				
Date	24		20	13	1	24	18	1	11				
Low													
Date													

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NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Sululta .... Wereda .... Awraja .... Region ...SHOA...

Alt. .... Long. .... Lat. .... Element Daily Rain Year 1986
Fall (in mm)

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0	0.0	5.0	0.0	0.0	0.0	17.0	12.0	5.7	3.5	0.0	0.0	
2	0.0	0.0	5.9	0.0	0.0	0.0	16.2	10.5	10.2	4.8	0.0	0.0	
3	0.0	0.0	6.2	0.0	0.0	2.5	28.8	9.2	11.5	0.0	0.0	0.0	
4	0.0	0.0	4.3	29.0	3.5	0.0	7.5	3.5	20.0	TR	0.0	0.0	
5	0.0	3.2	5.0	3.1	5.0	0.0	6.0	1.9	13.2	2.8	0.0	0.0	
6	0.0	2.0	9.1	TR	1.5	0.0	10.4	22.0	5.7	1.6	0.0	0.0	
7	0.0	TR	2.5	TR	0.0	0.0	6.7	15.0	15.6	TR	0.0	0.0	
8	0.0	0.0	6.2	0.0	2.4	0.0	3.6	14.2	14.2	1.2	0.0	0.0	
9	0.0	0.0	6.0	1.5	7.0	5.0	21.0	9.5	9.6	4.2	0.0	0.0	
10	0.0	0.0	7.8	3.0	0.0	4.1	15.6	7.6	11.0	5.8	0.0	0.0	
	0.0	5.2	58.0	36.6	19.4	11.6	133.5	105.4	116.7	23.9			
11	0.0	TR	2.0	0.0	0.0	6.5	13.0	3.8	12.7	5.0	0.0	0.0	
12	0.0	0.0	TR	0.0	0.0	8.5	12.5	TR	16.8	8.5	0.0	0.0	
13	0.0	2.1	1.0	0.0	0.0	4.9	10.5	5.0	19.2	7.1	0.0	0.0	
14	0.0	TR	2.0	TR	6.4	6.2	14.5	19.2	13.0	2.2	0.0	0.0	
15	0.0	1.0	1.8	0.0	0.0	7.8	10.3	14.0	8.5	0.0	0.0	0.0	
16	0.0	7.2	2.5	0.0	0.0	2.2	11.9	11.0	7.0	0.0	0.0	0.0	
17	0.0	2.1	1.8	0.0	0.0	3.5	26.2	10.5	12.6	TR	0.0	0.0	
18	0.0	3.0	1.6	0.0	0.0	2.8	20.4	16.2	6.7	0.0	0.0	0.0	
19	0.0	3.5	2.5	0.0	TR	5.4	15.2	9.2	7.7	0.0	0.0	0.0	
20	0.0	3.0	0.0	3.0	1.8	6.2	16.9	7.3	2.6	0.0	0.0	0.0	
	0.0	21.9	15.2	3.0	8.2	54.0	151.4	96.2	116.8	23.8			
21	0.0	3.2	0.0	5.9	10.3	4.0	11.5	7.9	0.0	0.0	0.0	0.0	
22	0.0	4.8	0.0	2.8	3.0	9.8	13.9	10.5	0.0	0.0	0.0	0.0	
23	0.0	3.0	0.0	TR	1.4	2.5	13.5	0.0	0.0	0.0	0.0	0.0	
24	0.0	5.5	0.0	0.0	0.0	5.8	17.8	0.0	TR	0.0	0.0	0.0	
25	0.0	1.8	3.0	0.0	5.4	6.7	22.5	3.2	2.6	0.0	0.0	0.0	
26	0.0	6.2	3.2	2.5	0.0	6.0	17.0	5.6	5.0	0.0	0.0	0.0	
27	0.0	3.8	2.9	0.0	0.0	5.8	18.9	0.0	2.8	0.0	0.0	0.0	
28	0.0	4.2	3.5	3.0	0.0	6.8	25.6	0.0	0.0	0.0	0.0	0.0	
29	0.0		3.0	0.0	0.0	7.5	16.2	0.0	0.0	0.0	0.0	0.0	
30	0.0		3.9	0.0	0.0	0.0	15.2	2.5	0.0	0.0	0.0	0.0	
31	0.0		3.8		0.0		9.7	0.0		0.0		0.0	
Sum	0.0	32.5	23.3	14.2	20.1	54.9	181.8	29.7	10.4	0.0	0.0	0.0	
M. Sum	0.0	59.6	96.5	53.8	47.7	120.5	466.0	231.4	233.1	40.7	0.0	0.0	
Mean													
Hig.													
Date													
Low													
Date													

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NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Sululta   Wereda   Awraja   Region: //0/\

Alt.   Long.   Lat.   Element: Daily Rainfall Yr.: 1987
Salt in/mm/

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0	0.0	TR	10.5	0.0	1.9	1.9	8.9	2.5	1.8			
2	0.0	0.0	0.0	12.5	0.0	TR	3.8	13.5	8.9	3.2			
3	0.0	0.0	3.5	11.6	0.0	5.9	5.2	18.5	11.3	0.0			
4	0.0	0.0	0.0	10.5	0.0	7.8	10.5	14.6	10.7	TR			
5	0.0	0.0	2.6	18.9	TR	11.3	11.3	15.2	4.8	0.0			
6	0.0	0.0	29.0	21.0	0.0	19.3	15.9	17.4	5.3	1.2			
7	0.0	0.0	19.0	15.6	0.0	15.7	19.5	20.8	9.8	TR			
8	0.0	0.0	3.5	17.8	0.0	11.2	22.3	13.2	24.5	0.0			
9	0.0	0.0	7.5	19.2	0.0	10.8	20.5	16.0	15.5	0.0			
10	0.0	0.0	2.5	10.8	0.0	9.7	9.8	17.8	14.2	TR			
	0.0	0.0	65.6	143.4	0.0	93.6	120.7	155.9	107.2	6.2			
11	0.0	3.5	0.0	4.0	0.0	8.8	7.7	19.8	TR	0.0			
12	0.0	6.0	0.0	0.0	1.8	10.8	8.9	16.2	0.0	0.0			
13	0.0	8.4	0.0	TR	0.0	12.3	11.0	13.4	4.8	0.0			
14	0.0	TR	3.5	0.0	0.0	7.2	13.4	10.8	3.8	0.0			
15	0.0	0.0	9.0	0.0	TR	5.8	1.8	12.7	7.2	0.0			
16	0.0	0.0	0.0	0.0	0.0	3.7	TR	13.2	9.8	0.0			
17	0.0	0.0	1.8	13.0	0.0	2.2	9.0	15.8	14.5	0.0			
18	0.0	0.0	0.0	TR	0.0	4.8	5.8	19.2	10.2	0.0			
19	0.0	0.0	0.0	0.0	2.4	7.2	9.3	17.6	0.0	0.0			
20	0.0	3.2	0.0	0.0	TR	4.0	2.8	10.8	0.0	0.0			
	0.0	21.1	14.3	17.0	4.2	66.8	64.7	119.5	50.3	0.0			
21	0.0	TR	5.8	0.0	0.0	5.8	5.2	7.3	0.0	0.0			
22	0.0	6.4	9.7	0.0	0.0	1.9	11.3	8.9	2.4	0.0			
23	0.0	0.0	6.0	0.0	5.2	1.3	9.2	9.8	21.4	3.6			
24	0.0	0.0	7.8	0.0	3.8	2.7	8.7	11.0	22.8	4.7			
25	0.0	TR	9.3	0.0	1.9	0.0	7.9	10.7	8.7	0.0			
26	0.0	TR	7.2	0.0	TR	0.0	3.5	9.8	0.0	0.0			
27	0.0	9.8	8.5	0.0	2.4	0.0	1.8	3.7	TR	0.0			
28	0.0	10.6	5.8	0.0	3.8	TR	17.4	4.8	0.0	0.0			
29	0.0		6.7	0.0	9.7	2.5	14.8	3.9	5.8	0.0			
30	0.0		8.0	0.0	TR	1.8	10.5	7.2	0.0	0.0			
31	0.0		4.8		0.0		8.7	3.7		0.0			
Sum	0.0	26.8	79.6	0.0	31.8	16.0	2.0	65.0	51.1	0.1			
M-Sum	0.0	94.6	159.5	165.4	31.0	176.4	289.4	386.0	220.9	14.5			
M Sum/Mean	0.0	47.9	159.5	0.0	31.0	176.4	289.4	386.2	220.9	14.5			
Hig.													
Date													
Low													
Date													

Copied by: Name   Sig.   3 — 1 1 — 5   Sig.
/cm

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: SULULTA Wereda SULULUTA Awraja MENAG ESHA Region SHOA

Alt. Long. Lat. Element DAILY RAIN FALL Year 1988

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1				0·0	0·0		4·2	3·4	2·1	0·0		0·0	0·0	
2				1·4	0·0		0·0	0·0	0·0	0·0		0·0	0·0	
3				3·8	0·0		4·2	0·0	0·0	0·0		0·0	0·0	
4				8·6	0·0		9·1	0·0	10·1	5·1		0·0	0·0	
5				TR	0·0		10·2	0·0	8·1	9·1		0·0	0·0	
6				TR	0·0		8·1	0·0	10·1	0·0		0·0	0·0	
7				TR	4·0		5·2	0·0	0·0	0·0		0·0	0·0	
8				TR	0·0		8·2	0·0	9·1	0·0		0·0	0·0	
9				0·0	0·0		6·2	0·0	0·0	2·1		0·0	2·1	
10				0·0	10·3		9·1	0·0	0·0	0·0		0·0	0·0	
				13·8	14·5									
11				0·0	1·5		5·1	0·0	6·4	8·1		0·0	0·0	
12				0·0	0·0		10·2	6·1	0·0	9·2		0·0	0·0	
13				0·0	9·2		10·2	0·0	9·4	10·1		0·0	0·0	
14				0·0	0·0		10·1	0·0	5·4	8·1		0·0	0·0	
15				0·0	0·0		5·4	0·0	0·0	10·1		0·0	0·0	
16				0·0	0·0		8·1	0·0	0·0	5·2		0·0	0·0	
17				0·0	0·0		10·2	0·0	0·0	0·0		0·0	0·0	
18				0·0	0·0		10·1	0·0	0·0	0·0		0·0	0·0	
19				0·0	20·3		5·1	0·0	0·0	10·1		0·0	0·0	
20				0·0	2·1		5·2	0·0	10·2	10·2		0·0	0·0	
				0·0	37·9		77·7							
21				0·0	0·0		9·1	0·0	5·1	8·1		0·0	0·0	
22				0·0	0·0		10·1	0·0	8·1	9·1		0·0	0·0	
23				0·0	0·0		0·0	0·0	5·1	7·1		0·0	0·0	
24				0·0	0·0		8·2	0·0	7·1	0·0		0·0	0·0	
25				0·0	0·0		7·1	0·0	9·1	7·1		0·0	0·0	
26				0·0	0·0		8·2	0·0	8·1	0·0		0·0	0·0	
27				0·0	0·0		9·1	0·0	1·4	0·0		0·0	0·0	
28				0·0	0·0		7·1	0·0	5·4	9·1		0·0	0·0	
29				0·0	6·5		8·2	0·0	3·5	15·1		0·0	0·0	
30				0·0	7·5		9·1	0·0	7·1	0·0			0·0	
31				0·0				X	X					
Sum				0·0	14·0		76·8							
M. Sum				13·8	61·2		284·4			15·1				
Mean														
Hig.														
Date														
Low														
Date														

Copied by: Name TSEGAYE YUHAM Sig. 3 — 1 1 — 6 Sig.

3rd CLASS

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: SULULTA   Wereda SULULTA   Awraja MENAGESHA   Region SHOA

Alt. ....   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	TR	3.5	0.0				0.0				
2	0.0	0.0	1.8	0.0	0.0				0.0				
3	0.0	0.0	0.0	TR	0.0				0.0				
4	0.0	0.0	0.0	0.0	0.0				0.0				
5	0.0	0.0	0.0	0.0	0.0				0.0				
6	0.0	0.0	0.0	0.0	0.0				0.0				
7	0.0	0.0	0.0	0.0	0.0				0.0				
8	0.0	0.0	0.0	5.5	0.0				0.0				
9	0.0	0.0	5.8	5.5	0.0				0.0				
10	0.0	0.0	13.8	1.9	0.0				0.0				
	0.0	0.0	21.4	16.4	0.0				0.0				
11	0.0	0.0	8.8	2.6	0.0				0.0				
12	0.0	TR	10.9	10.7	0.0				0.0				
13	0.0	0.0	TR	11.6	0.0				0.0				
14	0.0	0.0	1.9	25.3	0.0				0.0				
15	0.0	0.0	20.4	2.8	0.0				0.0				
16	0.0	0.0	16.5	3.7	0.0				0.0				
17	0.0	0.0	13.8	0.0	0.0				0.0				
18	0.0	0.0	10.9	0.0	0.0				0.0				
19	0.0	0.0	9.8	0.0	0.0				0.0				
20	0.0	0.0	16.0	0.0	0.0				0.0				
	0.0	0.0	109.0	56.1	0.0				0.0				
21	0.0	0.0	13.5	0.0	0.0				0.0				
22	0.0	0.0	TR	11.8	0.0				0.0				
23	0.0	0.0	1.9	TR	0.0				0.0				
24	0.0	0.0	2.3	11.8	0.0				0.0				
25	0.0	0.0	11.0	12.7	0.0				0.0				
26	0.0	0.0	13.5	14.6	0.0				0.0				
27	0.0	0.0	10.9	10.7	0.0				0.0				
28	0.0	0.0	11.0	16.5	0.0				0.0				
29	0.0		13.4	11.8	0.0				0.0				
30	0.0		15.6	9.9	0.0				0.0				
31	0.0		TR		0.0				0.0				
Sum	0.0	0.0	93.1	99.8	0.0				0.0				
M. Sum	0.0	0.0	223.5	172.4	0.0				0.0				
Mean													
Hig.			20.4	25.3									
Date			15	14									
Low													
Date													

Copied by: Name ROMAN MALEDE Sig.   3 — 1 1 — 7   Sig.

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: SULULTA .... Wereda .... Awraja SULULTA .... Region SHOA

Alt. .... Long. .... Lat. .... Element DAILY RAIN FALL Year 1990

Date	I	I.	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1						00	10.0	15.3	16.0	8.0	00	00	
2						00	9.5	10.4	14.0	00	00	00	
3						00	4.5	23.5	19.5	00	00	00	
4						00	7.5	22.4	28.5	00	00	00	
5						00	12.4	21.5	20.4	00	00	00	
6						00	13.5	8.4	16.5	00	00	00	
7						00	15.4	21.4	18.4	00	00	00	
8						00	12.5	21.5	16.2	00	00	00	
9						00	13.4	20.3	14.5	00	00	00	
10						00	15.5	21.5	00	00	2.4	00	
						0.0	114.2	193.2	164.0	8.0	2.4	0.0	
11						00	18.2	20.6	00	00	00	00	
12						00	12.3	18.4	00	00	7L	00	
13						14.6	8.4	15.0	00	00	00	00	
14						00	9.2	20.5	24.6	00	00	00	
15						00	12.5	16.0	21.5	00	00	00	
16						10.5	10.6	18.0	16.4	00	00	00	
17						10.5	8.5	20.5	14.5	00	00	00	
18						12.5	10.4	16.4	00	00	00	00	
19						9.5	14.8	8.3	8.6	00	00	00	
20						00	10.4	14.5	24.5	00	00	00	
						57.6	115.3	168.2	110.1	0.0	0.0	0.0	
21						3.5	12.4	00	21.4	00	00	00	
22						15.4	10.5	7L	00	00	00	00	
23						00	12.4	24.5	00	00	20	00	
24						4.8	10.5	21.4	24.0	00	00	00	
25						8.9	16.5	20.4	00	00	00	00	
26						9.8	13.4	19.5	00	00	00	00	
27						10.7	14.5	20.0	00	00	00	00	
28						5.9	10.4	9.0	7L	00	00	00	
29						2.5	9.5	00	00	00	00	00	
30						5.5	8.5	18.0	X	00	00	00	
31							16.5	22.0		00		00	
Sum						61.0	135.1	164.8	45.4	0.0	0.0	0.0	
M. Sum						124.6	364.6	522.2	319.5	8.0	2.4		
Mean													
Hig.						15.4	18.2	24.5	28.5	8.0	2.4		
Date						22	11	5	4	1	10		
Low													
Date													

Copied by: Name Kebede Walta Sig. .... 3 — 11 — 8 .... Sig. ....

3rd c.

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: SULULTA .... Wereda .... Awraja .... Region: SHOA

Alt. .... Long. .... Lat. .... Element: DAILY RAIN FALL Year 1991

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	00	00	14.8	TR	00	9.5	16.4	12.0	6.R	00	00	00	
2	1.5	00	0.0	00	00	10.8	35R	9.4	60	00	00	TR	
3	2.0	00	TR	00	00	5.8	28.0	6.3	00	00	00	4.2	
4	00	00	00	10.2	00	6.3	16.0	24.0	TR	00	00	00	
5	0.0	00	00	4.0	00	TR	22.0	18.0	24.4	00	00	00	
6	00	00	16.8	TR	00	14.0	28.0	8.R	18.6	00	00	TR	
7	00	00	28.4	00	TR	15.4	20.0	0.0	10.R	00	00	00	
8	2.4	00	26.6	00	4.3	TR	21.0	TR	4.8	00	00	00	
9	TR	00	20.4	00	00	TR	24.R	16.4	00	00	00	00	
10	00	00	24.6	00	00	20.0	18.4	6.0	5.5	00	00	00	
	5.9	00	131.6	14.2	4.3	88.8	220.0	110.2	65.5	00	00	TR	
11	00	TR	28.0	00	00	18.5	24.0	14.0	TR	00	00	00	
12	00	00	34.5	00	00	TR	18.2	8.4	TR	00	00	00	
13	00	00	42.4	00	00	10.0	30.5	4.R	4.2	00	00	00	
14	00	00	00	TR	00	12.0	24.4	6.3	00	00	00	00	
15	00	00	00	00	00	15.8	16.4	TR	00	00	00	00	
16	00	00	00	00	00	00	10.8	4.R	00	00	00	00	
17	00	00	00	00	00	00	28.0	TR	00	00	00	00	
18	00	5.8	00	00	00	00	20.0	TR	TR	00	00	00	
19	00	00	00	00	00	00	18.0	8.3	4.R	00	00	00	
20	00	00	TR	00	00	12.4	12.0	10.5	6.4	00	00	TR	
	00	5.8	104.9	TR	00	68.7	28.8	56.9	14.1	00	00		
21	00	00	00	00	00	14.0	14.0	14.0	8.6	00	00	8.5	
22	00	00	00	00	00	21.6	18.0	16.5	TR	00	00	TR	
23	00	00	00	00	00	24.3	20.5	8.R	00	00	00	00	
24	00	9.8	8.6	3.3	00	28.4	12.6	TR	00	00	00	00	
25	00	6.4	18.5	00	TR	16.R	14.0	4.3	00	00	00	00	
26	00	3.6	10.4	00	00	24.0	18.3	TR	00	00	00	00	
27	6.4	6.0	TR	00	00	20.4	20.5	6.9	00	00	00	00	
28	00	TR	TR	00	00	18.3	10.8	4.8	00	00	00	00	
29	00		00	00	00	24.3	12.4	6.3	00	00	00	00	
30	00		00	00	00	18.6	00	0.0	R	00	R	00	
31	00		00		00		TR	TR		00		00	
Sum	6.4	25.8	37.5	3.8	TR	280.6	141.1	61.0	8.6	00	00		
M. Sum	12.3	31.0	274.0	18.0	4.3	311.5	603.6	218.R	78.9	00	00	14.7	
Mean													
Hig.	6.4	9.8	42.4	10.2	4.3	28.4	35.R	24.0	24.4			8.5	
Date	27	24	13	4	8	24	2	4	5			21	
Low													
Date													

Copied by: Name K. Wodo Chalha Sig. .... 3 - 11 - 9 .... Sig.

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Sululta Wereda Awraja Region SHOA

Alt. Long. Lat. Element Daily Rainfall Year 1992

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0	10.4	0.0	0.0	0.0	4.2	4.8	2.1	3.2	0.0	TR	0.2	
2	0.0	9.8	28.4	0.0	0.0	TR	2.6	TR	5.1	TR	TR	0.0	
3	0.0	4.2	0.0	0.0	TR	0.0	4.3	3.4	2.1	TR	TR	0.0	
4	0.0	2.4	TR	0.0	0.0	0.0	1.5	2.1	4.1	0.0	TR	0.0	
5	0.0	TR	8.6	0.0	TR	TR	2.5	1.5	20.3	0.9	TR	0.0	
6	0.0	4.5	0.0	0.0	3.6	0.0	1.0	3.1	1.4	0.0	0.2	0.0	
7	0.0	TR	0.0	4.2	0.0	0.0	3.4	TR	3.1	TR	0.0	0.0	
8	0.0	0.0	0.0	0.0	0.0	2.4	4.6	2.6	2.1	TR	TR	0.0	
9	0.0	TR	0.0	2.2	0.0	TR	TR	1.5	3.2	0.2	TR	0.0	
10	0.0	TR	0.0	0.0	3.4	0.0	2.3	2.1	2.4	0.0	TR	0.0	
	0.0	31.3	37.0	6.4	7.0	6.6	27.0	18.4	47.0	0.2	0.2	0.2	
11	0.0	0.0	0.0	0.0	5.3	0.0	4.3	1.2	2.1	0.0	TR	TR	
12	TR	0.0	0.0	0.0	0.0	0.0	10.2	4.5	3.1	0.0	0.0	TR	
13	0.0	0.0	0.0	0.0	0.0	0.0	TR	2.2	TR	0.0	0.0	0.0	
14	TR	0.0	0.0	0.0	0.0	0.0	3.1	1.5	TR	0.0	0.2	0.0	
15	4.5	0.0	0.0	0.0	6.2	8.2	2.9	2.5	TR	0.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	4.2	TR	6.3	2.2	2.1	0.9	TR	0.0	
17	0.0	0.0	0.0	0.0	0.0	0.0	TR	4.6	4.2	0.0	1.2	0.0	
18	TR	0.0	0.0	3.0	6.4	0.0	TR	2.1	3.1	0.0	0.0	0.0	
19	0.0	0.0	0.0	0.0	0.0	3.2	TR	10.2	TR	0.0	2.1	0.0	
20	0.0	0.0	0.0	2.0	0.0	2.8	TR	7.3	TR	0.0	0.0	0.0	
	4.5	0.0	0.0	5.0	22.1	14.2	26.8	38.3	14.6	0.0	3.5	0.0	
21	0.0	0.0	0.0	0.0	TR	TR	TR	2.4	2.3	0.2	0.2	0.0	
22	0.0	0.0	0.0	0.0	0.0	TR	TR	1.5	0.0	0.5	0.0	0.0	
23	0.0	0.0	0.0	0.0	8.2	6.6	TR	TR	0.0	TR	TR	0.0	
24	0.0	4.5	0.0	0.0	10.0	TR	2.4	TR	0.0	TR	0.0	0.0	
25	0.0	0.0	0.0	0.5	TR	TR	TR	2.1	0.0	TR	0.3	TR	
26	0.0	0.0	16.4	TR	0.0	0.0	2.4	3.2	0.0	0.0	TR	TR	
27	0.0	0.0	0.0	TR	2.4	0.0	3.1	1.5	TR	0.0	TR	0.0	
28	0.0	0.0	0.0	TR	TR	12.4	1.7	TR	0.0	TR	TR	0.0	
29	TR	0.0	10.2	0.0	3.4	2.0	TR	TR	0.0	TR	TR	0.0	
30	10.4		TR	0.0	TR	6.4	TR	2.1	0.0	TR	TR	0.0	
31	18.4		TR		x		TR	5.3		TR		0.0	
Sum	28.8	4.5	26.6	0.5	24.0	27.4	9.6	18.1	2.3	0.7	0.5	0.0	
M. Sum	33.3	35.8	63.6	11.9	53.1	48.2	63.4	74.8	63.9	0.9	4.2	0.2	
Mean													
Hig.	18.4	10.4	28.4	4.2	10.0	12.4	6.3	10.2	20.3	0.5	2.1	0.2	
Date	31	1	2	7	24	28	16	19	5	22	19	1	
Low													
Date													

Copied by: Name Yeshiwork Tassa Sig. 3 - 11 - 10 Sig.

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Sululta   Wereda ....   Awraja ....   Region SHOA

Alt. ....   Long. ....   Lat. ....   Element Daily Rainfall 1993

Date	I	II	III	IV	V	VI V	VII	VIII	IX	X	XI	XII	
1	0.0	TR	0.0	0.0	TR		6.2	8.5	2.4	TR	0.0		
2	0.0	0.0	0.0	0.0	0.0		4.3	4.2	3.5	TR	0.0		
3	0.0	0.0	0.0	0.0	0.0		2.4	6.4	6.0	TR	0.0		
4	0.0	4.3	0.0	7.4	0.0		3.8	4.0	4.2	2.0	0.0		
5	0.0	0.0	0.0	TR	0.0		2.0	6.8	2.0	TR	TR		
6	0.0	22.5	0.0	0.0	0.0		2.8	8.4	4.2	TR	0.0		
7	0.0	18.6	0.0	0.0	0.0		3.8	2.4	6.5	TR	0.0		
8	0.0	0.0	22.0	TR	0.0		2.4	12.4	5.0	TR	0.0		
9	0.0	0.0	0.0	2.0	0.0		4.2	8.6	9.2	TR	0.0		
10	0.0	23.0	0.0	0.0	0.0		3.4	9.4	10.4	TR	TR		
	0.0	68.4	22.0	9.4	0.0		35.3	71.1	53.4	2.0	0.0		
11	0.0	0.0	0.0	0.0	0.0		2.6	14.2	2.4	TR	0.0		
12	0.0	0.0	0.0	0.0	0.0		4.2	12.3	4.0	2.4	0.0		
13	0.0	0.0	0.0	15.5	11.0		3.6	8.9	6.2	TR	0.0		
14	0.0	0.0	0.0	4.6	20.5		4.2	21.2	7.4	2.4	0.0		
15	14.4	0.0	0.0	6.2	0.0		TR	10.5	8.2	TR	TR		
16	0.0	0.0	0.0	12.5	TR		TR	9.0	4.4	TR	0.0		
17	0.0	0.0	0.0	28.0	0.0		4.2	5.4	9.0	TR	0.0		
18	0.0	0.0	0.0	0.0	0.0		2.4	4.6	6.8	0.0	0.0		
19	0.0	0.0	0.0	TR	0.0		3.4	12.4	4.2	0.0	0.0		
20	0.0	0.0	0.0	11.5	0.0		2.4	6.8	TR	0.0	0.0		
	14.4	0.0	0.0	78.3	31.5		27.0	105.3	52.6	4.8	0.0		
21	0.0	0.0	0.0	5.5	0.0		TR	8.4	2.0	0.0	0.0		
22	0.0	TR	0.0	0.0	2.4		3.4	4.0	TR	TR	0.0		
23	0.0	0.0	0.0	TR	7.4		2.4	6.0	8.2	0.0	0.0		
24	0.0	TR	0.0	2.4	0.0		4.2	8.2	2.4	0.0	0.0		
25	3.0	0.0	0.0	0.6	TR		TR	4.6	2.0	TR	0.0		
26	0.0	0.0	0.0	TR	0.0		TR	7.0	2.5	0.0	0.0		
27	0.0	0.0	0.0	4.2	0.0		2.4	8.0	TR	0.0	0.0		
28	0.0	0.0	TR	0.0	0.0		3.4	4.2	4.0	0.0	0.0		
29	0.0	0.0	0.0	TR	0.0		2.6	4.5	TR	TR	0.0		
30	0.0		0.0	2.5	X		TR	3.2	2.0	0.0	0.0		
31	0.0		0.0		X		TR	TR		0.0			
Sum	3.0	0.0	0.0	15.2	9.8		18.4	58.1	23.1	0.0	0.0		
M. Sum	17.4	68.4	22.0	102.9	41.3		80.7	234.5	129.1	6.8			
Mean													
Hig.	14.4	23.0	22.0	28.0	20.5		6.2	21.2	10.4	2.4			
Date	15	10	8	17	14		1	14	10	12			
Low													
Date													

Copied by: Name .... Sig. ....   3 — 1 1 — 1 1   Sig. ....

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Sululta Wereda Awraja Region: SHOA

Alt. Long. Lat. Element: Daily Rainfall Year: 1994

COMMERCIAL P. E. 43005/86

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1		0.0	0.0	TR	0.0	13.5	10.7	TR	TR	0.0	0.0	0.0
2		0.0	0.0	0.0	0.0	TR	9.1	18.2	0.0	0.0	0.0	0.0
3		0.0	TR	0.0	0.0	0.5	8.2	4.4	0.0	0.0	0.0	0.0
4		0.0	0.0	0.0	0.0	5.4	14.6	9.5	0.0	0.0	0.0	0.0
5		0.0	0.0	3.7	0.0	TR	8.5	21.1	4.8	0.0	0.0	0.0
6		0.0	0.0	0.0	0.0	4.9	25.1	2.3	0.0	0.0	0.0	0.0
7		0.0	0.0	0.0	TR	7.5	8.9	15.8	0.0	0.0	0.0	0.0
8		0.0	TR	0.0	10.0	16.6	12.5	1.1	0.0	0.0	0.0	0.0
9		0.0	5.9	0.0	0.0	TR	10.2	TR	0.0	0.0	0.0	0.0
10		0.0	1.3	TR	0.0	4.5	TR	19.1	0.0	0.0	0.0	0.0
		0.0	7.2	3.1								
11		0.0	2.7	0.0	0.0	8.8	9.8	TR	0.0	0.0	0.0	0.0
12		0.0	TR	0.0	0.0	1.8	2.5	0.0	0.0	0.0	0.0	0.0
13		0.0	0.0	TR	0.0	TR	10.5	5.5	0.0	0.0	0.0	0.0
14		0.0	0.0	5.2	0.0	0.0	8.5	10.3	15.6	0.0	0.0	0.0
15		0.0	0.0	TR	0.0	6.5	24.4	52.4	0.0	0.0	4.3	0.0
16		0.0	0.0	3.3	7.2	TR	11.8	4.5	0.0	0.0	TR	0.0
17		0.0	0.0	11.3	TR	11.2	4.8	10.1	14.2	0.0	0.0	0.0
18		4.4	TR	TR	15.5	6.7	13.3	18.5	2.9	0.0	0.0	0.0
19		0.0	0.0	0.0	0.0	10.3	TR	1.8	TR	0.0	0.0	0.0
20		0.0	3.5	0.0	0.0	TR	28.5	15.6	5.8	0.0	0.0	0.0
		4.4	6.2	19.8								
21		0.0	TR	1.5	0.0	13.8	16.4	11.3	0.0	0.0	0.0	0.0
22		0.0	0.0	3.6	0.0	3.9	4.5	TR	0.0	0.0	0.0	0.0
23		0.0	7.1	0.0	0.0	TR	TR	6.0	0.0	0.0	0.0	0.0
24		0.0	TR	0.0	0.0	13.2	9.8	13.8	0.0	0.0	5.7	0.0
25		0.0	2.3	0.0	0.0	9.1	9.0	10.7	0.0	0.0	0.0	0.0
26		0.0	1.4	0.0	0.0	TR	18.3	3.8	0.0	0.0	0.0	0.0
27		0.0	0.0	0.0	0.0	0.0	TR	13.5	0.0	0.0	0.0	0.0
28		0.0	3.5	0.0	0.0	3.6	11.5	10.4	0.0	0.0	0.0	0.0
29			0.0	0.0	7.4	21.6	5.4	TR	0.0	0.0	0.0	0.0
30			0.0	0.0	TR	5.5	0.0	15.6	0.0	0.0	0.0	0.0
31			0.0		9.5		13.5	21.4		0.0		0.0
Sum		0.0	14.3	5.1								
M. Sum		4.4	27.7	28.6	49.6	174.9	275.3	302.9	73.2	0.0	16.0	0.0
Mean												
Hig.		4.4	5.9	11.3	15.5	21.6	28.5	52.4	15.6		5.7	
Date		18	9	17	18	29	20	15	14		24	
Low												
Date												

Copied by: Name Sig. 3 — 1 1 — 1 2 Sig.

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station Sululta .... Wereda .... Awraja .... Region Shoa

Alt. .... Long. .... Lat. .... Element Daily Rain Fall Year 1995

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0·0	0·0	0·0	0·0	5·1	10·8	13·8	11·6	4·8	0·0	0·0	0·0	
2	0·0	0·0	0·0	0·0	0·0	8·5	TR	8·8	9·3	0·0	7·2	0·0	
3	0·0	4·1	0·0	11·4	0·0	0·0	19·1	17·3	TR	0·0	0·0	0·0	
4	0·0	TR	0·0	TR	0·0	0·0	12·9	0·8	0·0	0·0	0·0	0·0	
5	0·0	0·0	0·0	5·2	18·8	0·0	9·4	5·4	0·0	0·0	0·0	0·0	
6	0·0	0·0	0·0	0·0	TR	0·0	12·2	12·6	7·5	0·0	0·0	0·0	
7	0·0	0·0	0·0	0·0	0·0	0·0	TR	15·8	3·4	0·0	0·0	0·0	
8	0·0	0·0	0·0	8·6	0·0	0·0	5·8	10·2	0·0	0·0	0·0	0·0	
9	0·0	0·0	0·0	12·0	0·0	0·0	22·1	0·4	0·0	0·0	0·0	0·0	
10	0·0	0·0	0·0	TR	0·0	0·0	16·1	0·0	2·2	0·0	0·0	0·0	
	0·0	4·1	0·0	37·2	27·3	19·3	111·7	82·7	27·2	0·0	7·2	0·0	
11	0·0	0·0	0·0	24·6	0·0	10·0	8·6	19·8	0·0	0·0	0·0	0·0	
12	0·0	TR	0·0	0·0	TR	8·8	15·7	9·5	0·0	0·0	0·0	0·0	
13	0·0	3·6	0·0	0·0	19·7	0·0	18·4	10·8	0·0	0·0	0·0	0·0	
14	0·0	TR	0·0	0·0	0·0	0·0	9·5	0·0	8·9	0·0	0·0	0·0	
15	0·0	0·0	0·0	0·8	0·0	0·0	14·3	21·4	TR	0·0	0·0	0·0	
16	0·0	0·0	0·0	18·5	0·0	0·0	21·2	5·2	0·0	0·0	0·0	0·0	
17	0·0	0·0	0·0	5·6	0·0	18·3	7·7	0·0	0·0	0·0	0·0	0·0	
18	0·0	0·0	0·0	0·0	0·0	0·0	9·5	12·7	5·5	0·0	0·0	6·4	
19	0·0	0·0	0·0	0·0	0·7	13·5	19·4	4·4	0·0	0·0	0·0	2·3	
20	0·0	0·0	0·0	0·0	9·5	0·0	17·0	TR	0·0	0·0	0·0	0·0	
	0·0	3·6	0·0	49·5	24·9	50·6	141·3	78·3	14·4	0·0	0·0	8·7	
21	0·0	0·0	24·4	22·9	0·0	0·8	12·6	15·3	0·0	0·0	0·0	0·0	
22	0·0	0·0	5·6	15·4	0·0	10·3	5·4	11·0	TR	0·0	0·0	0·0	
23	0·0	0·0	0·0	0·9	0·0	15·2	24·3	8·4	6·4	0·0	0·0	0·0	
24	0·0	6·4	7·3	21·2	0·0	13·6	11·0	12·5	0·0	0·0	0·0	0·0	
25	6·4	0·0	TR	0·0	10·4	TR	7·8	3·1	0·0	0·0	0·0	0·0	
26	0·0	0·0	0·0	0·0	0·0	15·8	16·5	TR	0·0	0·0	0·0	0·0	
27	0·0	3·8	0·0	0·5	0·0	7·2	9·9	15·8	0·0	0·0	0·0	0·0	
28	0·0	TR	0·0	12·5	3·4	12·4	11·8	5·2	0·0	0·0	0·0	0·0	
29	0·0		0·0	9·8	34·8	18·2	10·4	0·0	0·0	0·0	0·0	0·0	
30	0·0		0·0	0·0	10·4	10·8	19·2	6·3	0·0	0·0	0·0	0·0	
31	0·0		X		0·8		6·4	9·8		X		6·0	
Sum	6·4	10·2	37·3	83·2	59·8	104·3	130·3	51·4	6·4				
M. Sum	6·4	17·9	37·3	169·9	112·0	174·2	383·3	212·1	48·0	0·0	7·2	12·4	
Mean													
Hig.	6·4	6·4	24·4	24·6	34·8	18·3	24·3	21·4	9·3		7·2	6·4	
Date	25	24	21	11	29	17	23	15	2		2	18	
Low													
Date													

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/tm

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Bulbula Wereda .... Awraja .... Region SHOA

Alt. .... Long. .... Lat. .... Element{ Daily Rainfall Year 1996

COMMERCIAL P. E 45005/86

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.9	0.0	5.3	0.0		0.0	0.0	28.5	10.8	0.0	0.0	0.0
2	TR	0.0	TR	11.4		18.1	TR	22.6	2.4	0.7	0.0	0.0
3	5.5	0.0	11.5	0.0		1.3	8.3	4.1	5.0	TR	0.0	0.0
4	5.8	0.0	3.2	0.0		28.2	12.4	19.2	11.3	0.0	0.0	0.0
5	TR	0.0	TR	9.8		44.1	15.2	21.3	2.3	0.0	0.0	0.0
6	0.0	0.0	0.0	6.1		0.9	11.9	3.6	7.7	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0		1.8	4.5	10.9	5.8	TR	0.0	0.0
8	0.0	0.0	0.0	TR		5.5	TR	17.8	5.1	0.0	0.0	0.0
9	0.0	0.0	0.0	10.2		0.0	11.2	8.2	1.3	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0		18.3	7.4	12.4	TR	2.1	0.0	0.0
11	12.2	0.0	20.0	36.5		18.2	16.9	16.1				0.0
12	16.7	0.0	0.0	0.0		1.4	2.6	1.6	12.4	0.0	0.0	0.0
13	0.0	0.0	9.4	11.8		0.0	13.2	9.9	8.8	0.0	0.0	0.0
14	0.0	0.0	6.0	3.5		5.1	6.3	23.7	TR	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0		TR	1.5	13.9	1.8	0.0	0.0	0.0
16	0.8	0.0	0.0	0.0		8.8	7.2	12.9	2.3	TR	0.0	0.0
17	0.0	0.0	0.0	6.0		9.4	TR	15.5	0.9	1.3	0.0	0.0
18	20.5	0.0	0.0	0.0		0.8	15.8	6.4	3.4	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0		15.5	5.4	18.0	0.0	0.0	0.0	0.0
20	0.0	0.0	6.5	0.0		8.3	14.3	31.4	0.0	0.0	0.0	0.0
21	0.0	0.0	13.6	0.0		0.0	12.0	18.8	6.5	0.0	0.0	0.0
22	28.0	0.0	35.5	15.2		4.5	8.3	24.5.2	30.1	1.3	0.0	0.0
23	0.0	0.0	2.2	0.0		11.2	14.4	7.3	0.7	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0		0.8	2.1	2.4	0.0	0.0	0.0	0.0
25	8.2	0.0	0.0	0.0		TR	10.7	4.4	2.8	0.0	0.0	0.0
26	TR	0.0	0.0	0.0		28.3	0.8	16.2	3.8	0.0	0.0	0.0
27	0.0	4.3	TR	0.0		10.4	6.3	13.3	1.4	0.0	0.0	0.0
28	0.0	6.2	10.5	0.0		2.4	12.5	0.7	TR	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0		13.2	1.4	3.3	0.0	0.0	0.0	0.0
30	0.0	0.0	4.4	0.0		5.5	6.7	22.6	3.4	0.0	0.0	0.0
31	0.0	8.8	0.0	0.0		0.0	19.9	3.8	0.0	0.0	0.0	0.0
	0.0		11.2	0.0		0.0	2.3	10.8	0.0	0.0	0.0	0.0
	0.0		0.0				×	5.5		0.0		0.0
Sum	8.7	19.3	8.3	0.0		7.5	11.7	45.2				
M. Sum	58.9	19.3	83.8	59.8		201.3	26.9	569.7	111.1	7.1		
Mean												
Hig.	26.5	8.8	13.6	11.8		44.1	15.8	52.4	12.4	2.1		
Date	17	29	20	12		5	17	19	11	10		
Low												
Date												

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Tulu Bolo Wereda .... Awraja .... Region Shoa

Alt. .... Long .... Lat. .... Element Daily Rainfall Year 1977

A · V · A

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	3.0	0.0	0.0	2.0	0.0	0.0	10.0	2.0	11.0	0.0	17.3	0.0	
2	2.5	0.0	0.0	0.0	0.0	5.0	7.0	21.0	0.0	32.0	0.0	0.0	
3	0.0	0.0	0.0	8.0	0.0	0.0	3.0	35.0	12.0	0.0	0.0	0.0	
4	0.0	0.0	0.0	0.0	0.0	18.5	0.0	5.0	24.0	0.0	6.0	0.0	
5	0.0	0.0	0.0	0.0	28.0	0.0	17.0	18.0	12.0	0.0	5.0	0.0	
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	
7	0.0	0.0	0.0	0.0	0.0	2.0	6.0	33.0	14.0	0.0	10.0	0.0	
8	0.0	0.0	0.0	0.0	0.0	4.0	4.0	2.0	10.0	0.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	0.0	5.0	15.0	8.0	15.0	0.0	0.0	0.0	
10	0.0	0.0	0.0	0.0	0.0	38.5	8.0	10.0	10.0	0.0	0.0	0.0	
	5.5	0.0	0.0	10.0	28.0	73.0	70.0	134.0	108.0	22.0	46.3	0.0	
11	0.0	0.0	0.0	5.2	0.0	13.0	21.0	23.0	0.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	0.0	4.0	13.0	18.0	0.0	0.0	0.0	0.0	
13	5.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	0.0	13.5	28.0	11.0	0.0	0.0	0.0	0.0	
15	0.0	0.0	0.0	0.0	0.0	0.0	9.0	6.0	0.0	0.0	0.0	0.0	
16	3.0	0.0	0.0	0.0	0.0	3.5	2.0	5.0	0.0	0.0	0.0	0.0	
17	9.0	0.0	0.0	0.0	19.5	0.0	8.0	19.0	0.0	0.0	0.0	0.0	
18	6.0	0.0	0.0	0.0	0.0	16.0	41.0	17.0	0.0	0.0	0.0	0.0	
19	10.0	0.0	0.0	0.0	5.0	7.0	0.0	13.0	0.0	0.0	0.0	0.0	
20	0.0	0.0	7.0	0.0	0.0	13.5	9.0	9.0	0.0	0.0	0.0	0.0	
	33.0	0.0	7.0	5.2	24.5	70.5	135.0	121.0	0.0	0.0	0.0	0.0	
21	0.0	0.0	5.0	0.0	13.0	5.3	20.0	2.0	0.0	0.0	13.0	0.0	
22	0.0	0.0	0.0	0.0	0.0	10.0	30.0	0.0	0.0	11.0	0.0	0.0	
23	17.0	0.0	4.0	0.0	3.5	26.0	0.0	10.0	0.0	0.0	16.0	0.0	
24	0.0	0.0	0.0	0.0	0.0	0.0	30.0	1.0	0.0	19.0	0.0	0.0	
25	0.0	0.0	0.0	0.0	0.0	11.0	6.0	0.0	0.0	7.0	0.0	0.0	
26	15.0	0.0	0.0	17.0	18.0	23.0	24.0	27.0	0.0	0.0	10.0	0.0	
27	0.0	0.0	0.0	16.0	0.0	1.0	0.0	0.0	0.0	2.0	0.0	0.0	
28	20.0	0.0	0.0	0.0	0.0	2.5	11.0	22.0	0.0	34.0	0.0	0.0	
29	0.0		0.0	0.0	0.0	0.0	41.0	7.0	0.0	23.0	0.0	0.0	
30	0.0		0.0	0.0	0.0	3.5	0.0	7.0	0.0	19.5	0.0	0.0	
31	0.0		29.0		0.0		42.0	5.0		26.0		0.0	
Sum	32.0	0.0	38.0	33.0	34.5	82.3	204.0	96.0	0.0	146.5	39.0	0.0	
M. Sum	70.5		45.0	48.2	87.0	225.8	409.0	351.0	108.0	178.5	85.3		
Mean													
Hig.	17.0		29.0	17.0	28.0	38.5	43.0	35.0	24.0	34.0	17.3		
Date	23		31	26	5	10	31	3	4	28	1		
Low													
Date													

Copied by: Name .... Sig. .... 3 — 1 2 — 1 .... Sig. ....

A·U·A

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Tulu Bolo .... Wereda .... Awraja .... Region Shoa

Alt. .... Long. .... Lat. .... Element Daily Rainfall Year 1978

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0	0.0	2.5	0.0	1.2	0.0	3.5	0.0	16.0	0.0	0.0	0.0	
2	0.0	0.0	20.0	0.0	10.2	0.0	7.0	0.0	2.0	0.0	0.0	0.0	
3	0.0	0.0	23.3	0.0	0.0	0.0	22.0	0.0	7.0	0.0	0.0	0.0	
4	0.0	0.0	3.0	0.0	0.0	0.0	6.0	11.0	9.0	0.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	
6	0.0	0.0	0.0	16.0	0.0	4.0	6.0	0.0	0.0	0.0	0.0	0.0	
7	0.0	0.0	0.0	0.0	2.9	13.2	2.0	30.0	8.0	0.0	0.0	0.0	
8	0.0	0.0	1.9	1.0	0.0	0.0	23.0	8.0	7.0	0.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	0.0	6.2	18.0	11.0	3.0	0.0	0.0	0.0	
10	0.0	0.0	4.4	0.0	0.0	1.2	19.0	11.5	0.0	0.0	0.0	0.0	
	0.0	0.0	55.1	17.0	40.4	25.2	106.5	71.5	60.0	0.0	0.0	0.0	
11	0.0	2.0	0.0	0.0	0.0	11.5	0.0	12.0	2.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	0.0	6.0	6.1	2.0	0.0	0.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0	25.1	
14	0.0	3.0	0.0	8.1	0.0	0.0	7.0	0.0	4.0	0.0	0.0	0.0	
15	0.0	4.2	0.0	0.0	0.0	0.5	5.0	2.0	0.0	0.0	0.0	0.0	
16	0.0	0.0	0.0	0.5	0.0	0.0	5.0	0.0	6.0	0.0	0.0	0.0	
17	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.0	0.0	0.0	0.0	0.0	
18	0.0	0.0	0.0	0.0	0.0	0.0	3.0	15.0	0.0	0.0	0.0	0.0	
19	0.0	18.5	0.0	0.0	0.0	40.0	9.8	15.0	2.0	0.0	0.0	0.0	
20	0.0	0.0	5.6	0.0	0.0	7.0	1.0	15.0	0.0	0.0	0.0	0.0	
	0.0	27.7	5.6	8.6	0.0	64.5	39.5	80.0	12.0	0.0	0.0	25.1	
21	0.0	9.0	0.0	0.0	4.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	
22	0.0	6.0	0.0	0.0	2.0	15.0	2.0	1.4	0.0	0.0	0.0	0.0	
23	0.	16.0	0.0	0.0	0.0	0.0	5.0	4.3	0.0	0.0	0.0	0.0	
24	0.0	0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0	
25	0.0	3.8	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	
26	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	0.0	9.0	20.0	9.7	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	0.0	0.0	5.0	3.0	4.0	0.0	0.0	0.0	0.0	
29	0.0		0.0	4.0	39.0	14.0	8.0	11.0	0.0	0.0	0.0	0.0	
30	0.0		0.0	5.0	28.0	0.0	13.0	12.0	0.0	0.0	0.0	0.0	
31	0.0		0.0		0.0		16.0	0.0		0.0		0.0	
Sum	0.0	34.8	0.0	9.0	73.0	53.5	76.0	42.4	1.0	0.0	0.0	0.0	
M. Sum		62.5	60.7	34.6	113.4	143.2	221.0	193.9	73.0			25.1	
Mean													
Hig.		18.5	23.3	16.0	39.0	40.0	23.0	30.0	16.0			25.1	
Date		19	3	6	29	19	8	7	1			13	
Low													
Date													

Copied by: Name .... Sig. .... 3 — 1 2 — 2 .... Sig. ....

NATIONAL METEOROLOGICAL SERVICES-AGENCY

STATION: Tula Belo (SHOA) ELEMENT Daily Rain fall......... YEAR: 19.7.9

ate	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0	0.0	0.0	0.0	0.9	0.0	25.0	0.0	0.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	5.0	0.0	0.0	23.0	7.0	0.0	2.0	0.0	0.0	
3	0.0	0.0	0.0	0.0	0.0	0.0	26.5	27.0	0.0	0.0	0.0	0.0	
4	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	
6	0.0	0.0	0.0	0.0	21.0	0.0	0.0	2.7	10.5	0.0	0.0	0.0	
7	0.0	6.5	0.0	0.0	13.5	0.0	2.9	2.9	22.7	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	7.0	0.0	45.9	12.0	0.0	0.0	0.0	0.0	
9	1.3	10.0	0.0	0.0	0.0	5.0	2.5	34.5	0.0	0.0	0.0	0.0	
10	10.1	0.0	6.5	0.0	14.3	0.0	9.7	10.5	0.0	0.0	0.0	0.0	
	11.4	16.5	6.5	5.9	76.8	5.0	135.5	96.6	37.2	0.0			
11	0.0	0.0	13.0	0.0	0.0	1.0	0.0	4.0	0.0	0.0	0.0	0.0	
12	0.0	22.5	0.0	0.0	0.0	0.0	0.0	30.3	7.0	0.0	0.0	0.0	
13	6.5	0.0	0.0	0.0	0.0	28.7	36.6	9.0	0.0	0.0	0.0	0.0	
14	5.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	
15	0.0	0.0	50.0	0.0	0.0	6.5	14.0	17.7	0.0	0.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	0.0	2.0	14.0	19.0	6.0	0.0	0.0	
17	0.0	0.0	0.0	0.0	0.0	12.8	3.0	9.0	14.0	0.5	0.0	0.0	
18	0.0	0.0	0.0	0.0	0.0	13.0	22.0	7.0	0.0	32.0	0.0	0.0	
19	0.0	0.0	0.0	0.0	0.0	4.5	2.0	0.0	3.7	41.0	0.0	17.0	
20	0.0	0.0	0.0	0.0	0.0	1.8	6.2	0.0	0.0	0.0	0.0	0.0	
	11.5	22.5	66.0	0.0	0.0	71.3	85.8	91.0	43.2	79.5		17.0	
21	10.0	0.0	0.0	0.0	22.0	23.4	5.0	0.0	0.0	0.0	0.0	4.0	
22	18.0	0.0	0.0	0.0	5.0	0.0	2.0	31.5	0.0	0.0	0.0	9.4	
23	16.0	0.0	0.0	0.0	9.4	29.3	10.7	15.0	0.0	0.0	0.0	0.0	
24	5.0	0.0	0.0	0.0	32.0	0.0	0.0	5.7	2.0	0.0	0.0	6.5	
25	7.0	0.0	0.0	0.0	0.0	0.0	36.0	0.0	1.5	0.0	0.0	0.0	
26	0.0	0.0	0.0	0.0	0.0	3.9	29.1	0.0	0.0	0.0	0.0	0.0	
27	15.0	0.0	4.5	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	0.0	0.0	20.4	25.0	0.0	0.0	0.0	0.0	0.0	
29	0.0		0.0	0.0	0.0	7.0	3.7	10.0	0.0	0.0	0.0	0.0	
30	0.0		3.0	0.0	0.0	9.3	0.0	10.7	0.0	0.0	0.0	0.0	
31	0.0		37.5		1.0		0.0	0.0		0.0		0.0	
Sum	71.0	0.0	45.0	0.0	60.0	75.0	130.1	18.1	18.5	0.0	0.0	19.9	
M.Sum	93.9	39.0	117.5	5.9	136.8	151.3	351.0		79.5	79.5		36.9	
Highest	18.0	22.5	50.0	5.0	32.0	28.7	45.9	34.5	22.7	41.0		17.0	
Date	22	12	15	2	24	13	8	9	7	1		19	
Lowest													
Date													
Mean													

Copied by Name Yeshiwork Kassa sig. Yefu 3 - 1 2 - 3 c................ Sig........
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NATIONAL METEOROLOGICAL SERVICES AGENCY

STATION: *Tulu Bolo (SHOA)* ELEMENT: *Daily Rainfall* YEAR: *1980*

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	10.0	39.0	0.0	9.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	2.7	6.0	3.0	28.0	25.0	1.5	0.0	0.0	
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.0	0.0	0.0	0.0	0.0	
4	0.0	0.0	0.0	0.0	0.0	8.0	2.0	29.0	0.0	0.0	0.0	0.0	
5	0.0	0.0	0.0	8.0	0.0	7.0	4.0	0.0	10.0	10.0	0.0	0.0	
6	0.0	0.0	12.0	0.0	0.0	14.0	5.0	2.0	X	0.0	0.0	0.0	
7	0.0	12.0	6.0	0.0	0.0	0.0	9.0	6.0	X	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	0.0	0.0	4.0	10.0	/	0.0	0.0	0.0	
9	0.0	0.0	0.0	12.0	0.0	24.0	1.0	0.0	/	0.0	0.0	0.0	
10	0.0	0.0	0.0	0.0	0.0	7.6	5.0	4.0	/	0.0	0.0	0.0	
	0.0	12.0	18.0	20.0	2.7	66.6	43.0	154.0	35.0	20.5	0.0	0.0	
11	0.0	0.0	0.0	5.0	0.0	0.0	10.0	1.0	4.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	0.0	0.3	2.0	3.0	2.0	0.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	2.0	0.0	0.0	
14	0.0	0.0	0.0	7.0	0.0	0.0	28.0	0.0	2.0	0.0	0.0	0.0	
15	0.0	0.0	13.0	8.0	0.0	12.0	29.0	19.0	0.0	0.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	7.0	32.0	0.0	0.0	0.0	0.0	0.0	
17	5.0	0.0	0.0	0.0	0.0	8.0	38.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	0.0	12.0	0.0	0.0	10.0	23.0	9.0	13.0	0.0	0.0	0.0	
19	0.0	0.0	10.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	
20	3.0	0.0	0.0	0.2	0.0	2.0	11.0	26.0	0.0	0.0	0.0	0.0	
	8.0	0.0	35.0	20.2	0.0	39.3	185.0	62.0	21.0	2.0	0.0	0.0	
21	0.0	3.0	0.0	0.0	0.0	7.0	20.0	0.0	10.0	0.0	0.0	0.0	
22	0.0	0.0	0.0	0.0	0.0	0.0	20.0	8.0	0.0	0.0	0.0	0.0	
23	0.0	0.8	0.0	0.0	0.0	0.0	16.0	12.0	0.0	0.0	0.0	0.0	
24	0.0	8.0	0.0	7.0	0.0	32.0	10.0	15.0	0.0	0.0	0.0	0.0	
25	0.0	0.0	0.0	0.0	0.0	16.0	28.0	0.0	12.0	0.0	0.0	0.0	
26	24.0	0.0	0.0	6.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	0.0	6.0	0.0	42.0	5.0	0.0	0.0	0.0	
28	0.0	6.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	
29	7.0	0.0	9.0	4.0	12.0	5.0	40.0	0.0	0.0	0.0	0.0	0.0	
30	0.5		0.0	0.0	0.0	0.0	28.0	48.0	3.0	0.0	0.0	0.0	
31	0.0		0.0		0.0		19.0	0.0		0.0		0.0	
Sum	31.5	17.8	9.0	17.0	12.0	70.0	181.0	124.0	30.0	0.0	0.0	0.0	
M.Sum	39.5	29.8	62.0	57.2	14.7	175.9	409.0	340.0	86.0	22.5	0.0	0.0	
Highest	24.0	12.0	13.0	12.0	12.0	32.0	40.0	48.0	25.0	10.0			
Date	26	7	15	9	29	24	29	30	2	5			
Lowest													
Date													
Mean													

Copied by Name *Yeshiwork Kasso* Sig. *Yesh*   3 — 1 2 — 4 .... Sig.........

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NATIONAL METEOROLOGICAL SERVICES AGENCY

STATION: *Tulu Bolo (SHAA)* ELEMENT: *Daily Rainfall* YEAR: *1981*

ate	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	16.0	0.0	0.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	4.0	0.0	0.0	9.0	0.0	3.0	0.0	0.0	0.0	
3	0.0	0.0	0.0	0.0	0.0	0.0	20.0	10.0	0.0	0.0	0.0	0.0	
4	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	2.0	0.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	0.0	2.0	8.0	13.0	0.0	0.0	0.0	0.0	
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.0	0.0	0.0	
7	0.0	0.0	0.0	18.0	0.0	0.0	30.0	0.0	3.0	30.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	8.5	0.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	
10	0.0	0.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0	
	0.0	0.0	0.0	22.0	0.0	2.0	115.0	23.0	24.1	30.0	0.0	0.0	
11	0.0	0.0	0.0	0.0	0.0	10.0	10.0	57.5	0.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	0.0	8.0	14.0	21.0	2.0	0.0	0.0	0.0	
13	6.0	0.0	3.0	0.0	0.0	0.0	9.0	0.0	5.0	0.0	0.0	0.0	
14	0.0	0.0	63.0	0.0	0.0	0.0	30.0	26.0	0.0	0.0	0.0	0.0	
15	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	
16	0.0	0.0	5.0	0.0	0.0	0.0	8.0	12.0	10.0	0.0	0.0	0.0	
17	0.0	9.0	0.0	7.0	0.0	0.0	9.0	7.0	65.0	0.0	0.0	0.0	
18	0.0	0.0	0.0	6.0	0.0	0.0	14.0	6.0	0.0	0.0	0.0	0.0	
19	2.0	0.0	9.0	0.0	0.0	0.0	10.0	21.0	2.0	0.0	0.0	0.0	
20	0.0	0.0	4.0	0.0	0.0	0.0	17.0	13.0	0.0	0.0	0.0	1.2	
	8.0	9.0	84.0	13.0	0.0	18.0	133.0	163.5	84.0	0.0	0.0	1.2	
21	0.0	10.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	12.0	0.0	0.0	
22	0.0	0.0	10.0	0.0	0.0	5.0	12.0	0.0	7.0	0.0	0.0	1.0	
23	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	4.0	1.0	0.0	0.0	
24	0.0	0.0	18.0	0.0	0.0	6.0	25.0	21.0	0.0	0.0	0.0	0.0	
25	0.0	6.0	0.0	0.0	0.0	3.0	18.0	6.0	0.0	0.0	0.0	0.0	
26	0.0	0.0	0.0	0.0	0.0	0.0	8.0	17.0	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	0.0	0.0	9.0	26.0	0.0	0.0	0.0	0.0	
28	12.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	
29	0.0		0.0	0.0	0.0	15.0	12.0	25.0	0.0	0.0	0.0	0.0	
30	0.0		0.0	0.0	0.0	12.0	0.0	12.0	0.0	0.0	0.0	0.0	
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0	
Sum	12.0	16.0	28.0	0.0	0.0	41.0	119.0	97.0	11.0	13.0	0.0	1.0	
M.Sum	20.0	25.0	112.0	35.0	0.0	61.0	367.0	283.5	119.1	45.0	0.0	2.2	
Highest	12.0	10.0	63.0	18.0		15.0	30.0	57.5	65.0	30.0		1.2	
Date	28	21	14	7		29	7	11	17	7		20	
Lowest													
Date													
Mean													

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NATIONAL METEOROLOGICAL SERVICES AGENCY

STATION: Tulo Bolo (SHOA) ELEMENT: Daily Rainfall YEAR: 1982

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	10.0	0.0	0.0	0.1	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	5.0	58.0	39.0	3.0	0.0	8.5
3	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	21.3	1.8	0.0	0.0
4	2.0	0.0	0.0	2.0	0.0	0.0	4.0	30.0	16.0	19.5	0.0	0.0
5	0.0	0.0	0.0	4.0	0.0	0.0	0.0	10.0	53.9	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	11.0	5.0	0.0	14.0	24.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	6.0	0.0	12.0	32.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	11.0	0.0	14.0	8.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	17.0	22.0	0.0	77.0	177.0	129.2	24.3	0.0	
11	0.0	0.0	0.0	8.0	10.9	0.0	21.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	11.0	3.6	0.0	30.0	4.0	0.0	0.0	0.0	0.0
13	8.5	0.0	0.0	2.5	2.0	7.3	12.0	4.0	9.8	19.0	0.0	0.0
14	0.0	0.0	0.0	0.0	4.0	6.2	36.0	57.9	10.0	8.5	6.0	0.0
15	0.0	20.0	0.0	1.0	0.0	23.4	16.0	6.0	0.0	0.0	0.0	0.0
16	10.0	0.0	0.0	0.0	0.0	0.0	10.0	19.0	12.0	0.0	0.0	4.0
17	0.0	0.0	0.0	0.0	0.0	0.0	17.7	0.9	0.0	0.0	3.0	0.0
18	0.0	0.0	0.0	0.0	0.0	30.0	13.0	9.0	0.0	0.0	0.0	0.0
19	0.0	0.0	2.0	0.0	0.0	27.0	10.0	20.0	1.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	8.0	0.0	0.5	0.0
	18.5	20.0	3.0	22.5	20.5	93.9	165.7	149.5	40.3	27.5	3.5	-1.0
21	0.0	0.0	0.0	0.0	0.0	24.0	15.4	23.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	17.5	2.0	12.0	0.0	4.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	5.3	0.0	17.0	35.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	13.0	17.5	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	19.2	20.0	0.0	0.0	0.0	0.0
26	0.0	0.0	11.0	0.0	0.0	31.0	42.0	28.0	0.0	3.0	0.0	0.0
27	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	16.0	0.0	0.0	0.0	21.0	4.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	43.0	20.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	7.0	19.0	13.5	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		3.5	15.2		0.0		0.0
Sum	0.0	0.0	37.0	0.0	0.0	84.8	128.1	173.1	35.0	7.0	0.0	0.0
G.Sum	18.5	20.0	37.0	39.5	42.5	178.7	426.3	411.9	205.0	58.6	5.5	12.5
Highest	10.0	20.0	16.0	11.0	11.0	31.0	43.0	58.0	53.9	19.5	6.0	4
Date	16	15	28	8	10	26	29	2	5	4	14	16
Lowest												
Date												
Mean												

Copied by Name: Yohannis Kassa Sig. Yesen. 3 - 1 2 - 6

STATION: *Tulu Bolo (Site)* ELEMENT: *Daily Rainfall* YEAR: *1983*

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	0.0	4.5	49.0	10.6	0.0				
2	0.0	0.0	0.0	0.0	49.6	0.5	0.0	21.0				
3	0.0	0.0	0.0	0.0	3.5	0.0	4.0	9.5				
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
5	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0				
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0				
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.0				
8	0.0	0.0	0.0	0.0	0.0	0.0	10.5	28.0				
9	0.0	0.0	14.8	0.0	5.7	0.0	12.9	43.6				
10	0.0	0.0	15.0	0.0	7.2	0.0	23.0	0.0				
	0.0	0.0	19.8	10.0	70.5	49.5	61.0	134.1				
11	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0				
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.6				
13	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0				
14	0.0	0.0	13.0	0.0	0.0	31.5	0.0	12.0				
15	0.0	0.4	25.0	0.0	0.0	0.0	0.0	20.0				
16	0.0	6.0	0.0	13.5	0.0	0.0	35.0	0.0				
17	0.0	0.0	10.0	14.0	0.0	0.0	9.0	1.0				
18	0.0	0.0	0.0	3.5	0.0	0.0	0.7	10.0				
19	0.0	0.0	9.0	18.3	0.0	0.0	0.0	90.0				
20	0.0	0.0	4.0	0.0	0.0	3.4	0.0	0.0				
	0.0	13.4	61.0	49.3	0.0	64.9	44.7	96.2				
21	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0				
22	0.0	0.0	7.0	0.0	0.0	0.0	4.3	0.0				
23	0.0	0.0	3.0	0.0	0.0	0.0	6.0	0.0				
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0				
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.5				
26	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0				
27	0.0	0.0	5.3	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				
29	5.0		5.0	0.0	0.0	0.0	0.0	0.0				
30	0.0		0.0	0.0	0.0	0.0	0.0	20.0				
31	0.0		0.0		0.0		0.0	0.0				
Sum	5.0	8.0	21.3	0.0	0.0	0.0	10.3	38.5				
M.Sum	5.0	21.4	102.1	59.3	70.5	114.0	116.0	274.2				
Highest	5.0	8.0	25.0	18.3	49.6	49.0	35.0	45.0				
Date	29	21	15	19	2	1	16	7				
Lowest												
Date												
Mean												

Copied by Name *Yeshiwork Kassie* yefr 3 — 1 2 — 7 .... Sig ......

A·c·n

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: TuluBollo .... Wereda .... Awraja .... Region Sheca

Alt. 2175mts. Long. 38° 13' Lat. 08° 40' Element Daily Rainfall Year 1984

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1					1·4		9·3	30·6					
2					16·		4·9	6·9					
3					TR		27·6	TR					
4					5·5		4·3	4·5					
5					0·0		0·0	10·1					
6					0·0		3·2	23·7					
7					6·8		0·8	15·2					
8					0·0		1·7	0·6					
9					0·0		6·9	0·0					
10					0·0		25·1	0·0					
					15·3		83·5	91·6					
11					0·0		6·6	7·8					
12					0·0		16·0	3·1			ph'			
13					0·0		3·6	5·4					
14					0·0		14·8	13·3					
15					0·0		3·3	8·9					
16					0·0		7·0	25·3					
17					0·0		21·6	2·3					
18				/	11·9		11·9	TR					
19		10mC			0·0		13·8	3·4					
20	M				1·7		0·0	3·8					
					13·6		98·6	15·2					
21					4·7		0·0	0·0					
22					3·7		7·3	0·0					
23					0·0		0·5	0·0					
24					0·0		1·3	2·5					
25					2·5		2·0	0·9					
26					21·7		17·3	0·0					
27					3·6	0·0	15·9	10·6					
28					0·0	18·6	1·8	23·9					
29					0·0	1·2	16·6	16·1					
30					0·0	15·7	1·2	9·2					
31					0·0		1·8	0·0					
Sum					36·2	35·5	65·7						
M. Sum					65·1	35·5	247·						
Mean													
Hig.					21·7	18·6	27·6	30·6					
Date					26	28	3	1					
Low													
Date													

Copied by: Name .... Sig. .... 3 — 1 2 — 8 .... Sig. ....
/tm

A.V.A

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: TULU BOLO Wereda .... Awraja .... Region SHOA

Alt. 2175mts Long .... Lat. .... Element Daily RAINFALL Year 1985

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0	0.0	0.0	0.0	0.0	0.0	18.5	30.2	12.3	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	0.0	12.9	7.2	0.0	0.0	0.0	0.0	
3	0.0	0.0	0.0	0.0	9.0	0.0	0.0	12.3	2.1	0.0	0.0	0.0	
4	0.0	0.0	0.0	0.0	11.2	10.1	0.0	13.0	0.5	3.6	0.0	4.0	
5	0.0	0.0	0.0	5.4	9.3	0.0	5.4	2.0	15.4	7.3	0.0	0.5	
6	0.0	TR	0.8	0.2	22.2	0.2	5.4	0.6	0.0	TR	0.0	0.0	
7	0.0	0.0	0.0	0.0	16.2	TR	7.2	17.0	7.5	TR	0.0	0.0	
8	0.0	TR	0.0	0.0	9.8	2.0	3.7	27.5	2.3	0.3	0.0	0.0	
9	0.0	0.0	0.0	7.3	3.5	0.6	7.3	4.3	0.3	2.6	0.0	0.0	
10	0.0	1.2	0.0	2.5	0.3	0.0	17.0	0.3	0.3	0.0	0.0	0.0	
	0.0	1.2	0.8	15.4	81.5	12.9	77.4	114.4	40.7	14.8	0.0	4.5	
11	0.0	0.0	0.0	0.0	2.1	2.5	18.0	25.5	1.8	0.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	0.0	T.R	8.8	0.0	3.7	0.0	0.0	0.0	
13	0.0	0.0	0.6	0.0	0.0	2.0	TR	16.0	0.0	0.0	0.0	0.0	
14	0.0	0.0	5.4	0.0	0.0	0.0	TR	5.0	0.0	0.0	0.0	0.0	
15	0.0	0.0	0.0	0.7	0.0	4.2	28.8	8.3	0.0	0.0	0.0	0.0	
16	0.0	4.0	0.0	0.0	0.0	5.0	8.7	7.8	2.9	0.0	0.0	0.0	
17	23.5	5.4	0.0	0.0	0.7	19.7	1.4	5.4	0.0	0.0	0.0	0.0	
18	2.6	0.0	0.0	0.0	0.0	0.7	3.8	0.0	0.0	0.0	0.0	0.0	
19	1.2	0.6	0.0	0.0	0.0	35.6	3.5	12.5	13.9	0.0	0.0	0.0	
20	0.0	0.0	0.0	0.0	0.0	11.2	1.5	7.7	TR	0.0	TR	0.0	
	27.3	10.0	6.0	0.7	2.8	80.9	69.5	88.2	22.3	0.0	TR	0.0	
21	0.5	0.0	0.0	15	0.0	26.2	2.5	5.2	0.0	0.0	0.0	0.0	
22	0.0	0.6	0.4	8.8	2.6	5.1	4.6	7.3	0.0	0.0	0.0	0.0	
23	0.0	0.0	0.0	7.0	0.0	5.1	16.3	7.8	0.0	0.0	0.0	0.0	
24	0.0	0.4	0.0	7.2	2.0	TR	22.0	5.6	0.0	0.0	0.0	0.0	
25	0.0	0.0	0.0	0.0	0.0	3.2	9.9	11.2	0.0	0.0	0.0	0.0	
26	0.0	0.0	0.0	7.6	0.0	8.4	13.2	1.6	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	0.0	1.7	14.2	6.9	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	10.6	1.6	1.8	47.6	6.1	0.0	0.0	0.0	0.0	
29	0.0		0.0	4.7	TR	2.2	5.0	6.0	0.0	0.0	0.0	0.0	
30	0.0		0.0	0.0	0.5	2.1	20.2	3.4	0.0	0.0	0.0	0.0	
31	0.0		0.0		0.5		18.0	0.0		0.0		0.0	
Sum	0.5	1.0	0.4	42.4	3.2	55.8	173.5	66.1	0.0	0.0	0.0	0.0	
M. Sum	27.8	12.2	7.2	58.5	87.5	149.6	320.4	268.7	63.0	19.8		4.5	
Mean													
Hig.	23.5	5.4	5.4	10.6	22.2	35.6	47.6	30.2	15.4	8.6	TR	4.0	
Date	17	17	14	28	6	19	28	1	5	9	20	4	
Low													
Date													

Copied by: Name .... Sig. .... 3 — 1 2 — 9 Sig. ....
/us

NATIONAL METEOROLOGICAL SERVICES AGENCY

201

Station: TULU BOLLO .... Wereda .... Awraja .... Region SHOA

Alt. .... Long. .... Lat. .... Element RAIN FALL Year 1986

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0	0.0	TR	19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	0.0	0.0	TR	9.0	0.0	6.1	0.0	0.0	0.0	1.0	0.0	0.0	
3	0.0	5.2	11.5	0.0	0.0	0.0	TR	3.5	7.0	0.0	0.0	0.0	
4	0.0	TR	TR	0.0	17.5	0.0	19.0	0.0	19.4	0.0	0.0	0.0	
5	0.0	TR	0.0	4.0	9.0	0.0	0.0	0.0	28.0	0.0	0.0	0.0	
6	0.0	0.0	0.0	0.0	2.2	6.2	0.0	1.1	0.0	0.0	0.0	4.2	
7	0.0	0.0	0.0	0.0	0.0	12.8	8.2	8.5	7.4	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	4.0	12.2	0.0	6.0	3.0	0.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	7.0	2.0	2.4	2.5	6.0	0.0	0.0	0.0	
10	0.0	0.0	0.0	0.0	12.5	5.1	16.0	6.4	0.0	0.0	0.0	0.0	
	0.0	5.2	11.5	32.7	52.5	44.4	45.6	28.0	64.6	1.0	0.0	4.2	
11	0.0	0.0	0.0	0.0	6.0	6.2	3.3	1.5	0.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	9.0	12.5	6.0	0.0	0.0	0.0	0.0	0.0	0.0	
13	0.0	11.0	0.0	3.0	1.0	TR	6.3	12.0	3.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	0.0	0.0	2.1	6.0	12.2	0.0	0.0	0.0	
15	0.0	0.0	0.0	0.0	TR	10.4	6.0	2.0	12.5	0.0	0.0	0.0	
16	0.0	9.6	0.0	0.0	0.0	28.1	2.3	2.1	3.8	0.0	0.0	0.0	
17	0.0	0.0	0.0	9.0	0.0	10.1	0.0	2.0	0.0	0.0	0.0	0.0	
18	0.0	TR	19.5	10.0	6.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	
19	0.0	0.0	18.3	24.0	0.0	6.0	24.0	TR	0.0	0.0	0.0	0.0	
20	0.0	0.0	21.3	0.0	0.0	2.0	12.0	11.4	14.0	0.0	0.0	0.0	
	0.0	30.6	59.1	55.0	25.5	68.8	56.0	53.0	45.5	0.0	0.0	0.0	
21	0.0	0.0	0.0	0.0	1.0	0.0	0.0	18.3	23.2	0.0	0.0	0.0	
22	0.0	0.0	1.0	0.0	0.0	22.0	2.0	0.0	11.1	3.4	0.0	0.0	
23	0.0	5.7	0.0	0.0	0.0	16.0	2.3	0.0	0.0	0.0	0.0	0.0	
24	0.0	0.0	0.0	12.0	0.0	38.0	TR	1.0	0.0	0.0	0.0	0.0	
25	0.0	0.0	0.0	0.0	0.0	10.7	3.7	14.0	0.0	0.0	0.0	0.0	
26	0.0	11.8	0.0	0.0	0.0	0.0	3.0	6.7	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	3.0	12.0	56.3	8.0	0.0	0.0	0.0	0.0	
28	0.0	TR	0.0	0.0	0.0	0.0	1.5	12.0	0.0	0.0	0.0	0.0	
29	0.0		0.0	0.0	1.0	0.0	2.1	5.2	0.0	0.0	0.0	0.0	
30	0.0		0.0	0.0	0.0	2.3	TR	0.0	0.0	0.0	0.0	0.0	
31	10.6		0.0		4.0		2.5	0.0		0.0		0.0	
Sum	10.6	17.5	1.0	12.0	9.0	101.0	73.4	65.2	34.3	3.4	0.0	0.0	
M. Sum	10.6	43.3	71.6	99.7	86.7	214.2	175.0	146.2	144.6	4.4		4.2	
Mean													
Hig.	10.6	11.8	21.3	24.0	17.5	38.0	56.3	18.3	23.2	3.4		4.2	
Date	31	26	20	19	4	24	27	21	21	22		6	
Low													
Date													

Copied by: Name .... Sig. .... 3 — 1 2 — 1 0 .... Sig. ....

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NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: *TULLU BOLO* .... Wereda *EECHO* .... Awraja *CHOO:EUBDGE* Region *SIDE*

Alt. .... Long. .... Lat. .... Element *DAILY RAINFALL* Year *1927 1987*

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0·0	0·0	21·2	37·7	0·0	15·0	7·0	1·5	2·0	0·0	0·0		
2	0·0	0·0	0·0	4·5	0·0	TR	2·0	3·0	0·0	0·0	0·0		
3	0·0	0·0	21·0	3·4	0·0	TR	10·5	0·0	11·4	0·0	0·0		
4	0·0	0·0	0·0	0·0	0·0	5·3	6·0	2·0	0·0	0·0	0·0		
5	0·0	0·0	4·7	5·3	0·0	0·0	4·5	19·1	0·0	11·3	0·0		
6	0·0	0·0	0·0	4·5	4·4	19·5	2·1	0·0	0·0	0·0	0·0		
7	0·0	0·0	0·0	0·0	19·4	0·0	5·5	0·0	0·0	0·0	0·0		
8	0·0	0·0	16·6	31·0	0·0	0·0	5·1	9·6	3·4	0·0	0·0		
9	0·0	0·0	0·0	4·2	19·3	0·0	14·1	4·6	TR	0·0	0·0		
10	0·0	1·8	0·0	0·0	15·0	6·0	1·3	14·0	3·1	0·0	0·0		
	0·0	1·6	63·5	70·6	58·1	45·8	56·1	61·0	17·9	11·3	0·0		
11	0·0	6·0	0·0	0·0	0·0	2·5	0·0	16·1	0·0	0·0	0·0		
12	0·0	8·0	0·0	0·0	0·0	5·0	0·0	0·0	0·0	0·0	0·0		
13	0·0	0·0	13·7	0·0	0·0	TR	0·0	16·0	0·0	0·0	0·0		
14	0·0	0·0	0·0	0·0	0·0	0·0	TR	5·4	0·0	0·0	0·0		
15	0·0	0·0	25·0	0·0	0·0	0·0	10·0	2·5	1·6	0·0	0·0		
16	0·0	0·0	0·2	0·0	0·0	11·0	20·3	0·0	0·0	0·0	0·0		
17	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0		
18	0·0	0·0	0·0	0·0	0·0	4·6	0·0	TR	0·0	0·0	0·0		
19	0·0	10·7	0·0	1·2	1·5	28·2	5·3	2·0	0·0	0·0	0·0		
20	0·0	0·0	0·0	0·0	5·5	TR	7·4	7·4	0·0	0·0	0·0		
	0·0	24·7	37·7	1·2	17·0	46·3	43·5	49·4	1·6	0·0	0·0		
21	0·0	0·1	4·0	0·0	0·0	4·8	11·5	13·0	0·0	0·0	0·0		
22	0·0	1·0	0·0	0·0	7·5	0·0	16·5	4·3	25·5	0·0	0·0		
23	0·0	0·0	2·5	0·0	12·5	2·6	3·4	6·0	0·0	0·0	0·0		
24	0·0	0·0	4·1	0·0	16·3	0·0	6·0	0·0	4·3	0·0	0·0		
25	3·7	0·0	0·5	0·0	7·6	0·0	TR	0·0	3·0	0·0	0·0		
26	0·0	0·0	0·0	0·0	TR	28·2	TR	0·0	0·0	0·0	0·0		
27	0·0	0·0	4·7	0·0	0·0	1·4	3·4	0·0	0·0	0·0	0·0		
28	0·0	4·0	19·5	0·0	0·0	0·0	10·0	17·5	0·0	0·0	0·0		
29	0·0		0·5	0·0	6·3	5·3	14·3	5·6	0·0	0·0	0·0		
30	0·0		0·0	0·0	0·0	3·0	6·3	0·0	0·0	0·0	0·0		
31	0·0		TR		15·1		6·7	16·3		0·0			
Sum	3·7	5·1	35·8	0·0	65·3	45·3	76·1	61·7	32·6	0·0			
M. Sum	3·7	31·6	137·0	71·8	140·4	137·4	177·7	173·1	52·3	11·3	0·0		
Mean													
Hig.	3·7	10·7	25·0	27·7	19·4	33·2	20·3	19·1	25·5	11·3			
Date	25	19	15	1	7	19	16	5	22	5			
Low													
Date													

Copied by: Name *YOHANNES GETU* Sig. *Yohannes* 3 − 1 2 − 1 1 .... Sig. ....

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: TULU BOLO   Wereda BECHO   Awraja CHEBO & GURAGE   Region SHOA

Alt. 2160M   Long. _____   Lat. _____   Element DAILY RAIN FALL   Year 1988

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	70.0	0.0	0.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	
3	0.0	0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0	
4	0.0	0.0	0.0	0.0	0.0	20.5	10.0	0.0	0.0	0.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	0.0	1.0	4.6	0.0	0.0	0.0	0.0	0.0	
6	0.0	0.0	0.0	0.0	0.0	24.4	0.0	0.0	0.0	0.0	0.0	0.0	
7	0.0	2.5	0.0	0.0	0.0	26.4	5.0	26.0	10.0	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	0.0	0.0	11.5	20.0	0.0	0.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	0.0	24.4	2.0	25.0	0.0	0.0	0.0	0.0	
10	0.0	6.0	0.0	0.0	0.0	26.4	10.0	22.0	0.0	0.0	0.0	0.0	
11	0.0	0.0	0.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	0.0	5.7	10.0	6.0	0.0	0.0	0.0	0.0	
13	0.0	0.0	0.0	37.0	0.0	11.5	22.0	23.0	5.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	34.0	0.0	5.0	35.0	0.0	10.0	0.0	0.0	0.0	
15	0.0	0.0	0.0	0.0	0.0	20.0	8.2	10.0	0.0	4.4	0.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	8.7	5.0	0.0	0.0	0.0	0.0	0.0	
17	8.5	0.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	
19	0.0	0.0	0.0	9.1	0.0	0.0	8.0	2.0	0.0	0.0	0.0	0.0	
20	0.0	0.0	0.0	6.4	4.0	0.0	6.4	20.6	0.0	0.0	0.0	0.0	
21	0.0	0.0	0.0	0.0	0.0	26.5	27.0	0.0	0.0	0.0	0.0	0.0	
22	0.0	4.4	0.0	1.4	0.0	5.5	2.2	0.0	6.1	0.0	0.0	0.0	
23	0.0	0.0	0.0	1.7	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	
24	0.0	0.0	0.0	12.3	0.0	15.5	9.3	0.0	0.0	0.0	0.0	0.0	
25	0.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	9.3	0.0	0.0	0.0	
26	0.0	0.0	0.0	0.0	0.0	9.3	13.5	0.0	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	0.0	0.0	18.5	6.1	0.0	0.0	0.0	0.0	0.0	
29	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	
30	0.0		0.0	0.0	0.0	8.1	5.1	0.0	0.0	0.0	0.0	0.0	
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0	
Sum													
M. Sum	2.5	18.6	0.0	135.9	4.0	205.7	222	152.1	55.5	4.4			
Mean													
Hig.	2.5	5.5		34.0	4.0	26.4	40.0	35.0	20.0	4.4			
Date	17	25		11	20	10	10	9	8	15			
Low													
Date													

Copied by: Name TESSAYE YITACI Sig. _____ 3-12-12 _____ Sig. _____

3rd class

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: TULU·BOLO   Wereda BECHO   Awraja CHEBO & GIRACE   Region SHOA

Alt. 2160M.   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	0·0	0·0	0·0	20·0	10·0	0·0	0·0	0·0	0·0	
2	0·0	2·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	
3	0·0	3·4	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	
4	0·0	7·0	0·0	0·0	0·0	0·0	10·0	9·1	0·0	0·0	0·0	0·0	
5	0·0	8·4	0·0	26·3	0·0	20·0	15·0	10·2	20·1	0·0	0·0	0·0	
6	0·0	20·0	0·0	0·0	0·0	0·0	25·0	20·0	0·0	0·0	0·0	0·0	
7	0·0	12·0	0·0	0·0	0·0	0·0	20·4	0·0	0·0	0·0	0·0	0·0	
8	0·0	10·0	0·0	6·0	0·0	0·0	8·0	0·0	0·0	0·0	0·0	0·0	
9	0·0	0·0	0·0	0·0	0·0	0·0	10·0	2·0	20·0	0·0	0·0	0·0	
10	0·0	0·0	0·0	20·2	0·0	28·0	0·0	10·0	10·3	0·0	0·0	0·0	
	0·0	62.8	0·0	58.5	0·0	48·0	105·4	61·2	50·4	0·0	0·0	0·0	
11	0·0	0·0	0·0	0·0	0·0	0·0	0·0	10·6	0·0	0·0	0·0	0·0	
12	0·0	6·0	0·0	0·0	0·0	0·0	10·0	20·0	0·0	0·0	0·0	0·0	
13	0·0	0·0	0·0	0·0	0·0	0·0	0·0	18·0	0·0	0·0	0·0	0·0	
14	0·0	0·0	8·4	0·0	0·0	0·0	0·0	18·0	0·0	0·0	0·0	0·0	
15	0·0	0·0	16·0	0·0	0·0	0·0	20·0	20·4	0·0	0·0	0·0	0·0	
16	0·0	0·0	2·0	0·0	0·0	6·0	25·6	10·3	15·0	0·0	0·0	0·0	
17	0·0	0·0	0·0	0·0	0·0	10·0	10·0	6·0	15·3	0·0	0·0	0·0	
18	0·0	0·0	0·0	0·0	0·0	28·0	12·3	0·0	0·0	0·0	0·0	0·0	
19	0·0	0·0	0·0	0·0	0·0	0·0	10·0	15·3	0·0	20·3	0·0	0·0	
20	0·0	0·0	0·0	0·0	0·0	0·0	8·0	16·0	0·0	0·0	0·0	0·0	
	0·0	6·0	26.4	0·0	0·0	44·0	95·4	134·0	30·2	20·3	0·0	0·0	
21	0·0	0·0	2·0	0·0	0·0	20·0	6·3	10·4	0·0	0·0	0·0	0·0	
22	0·0	0·0	0·0	4·2	0·0	28·0	0·0	20·6	0·0	0·0	0·0	0·0	
23	6·0	0·0	0·0	20·6	0·0	27·0	0·0	18·0	0·0	0·0	0·0	0·0	
24	0·0	0·0	0·0	18·5	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	0·0	8·4	0·0	0·0	0·0	0·0	0·0	
26	0·0	0·0	0·0	0·0	0·0	10·0	10·0	20·3	10·2	0·0	0·0	0·0	
27	0·0	0·0	0·0	0·0	0·0	10·0	0·0	20·4	0·0	0·0	0·0	0·0	
28	0·0	0·0	27·0	0·0	0·0	1·0	0·0	18·0	0·0	0·0	0·0	0·0	
29	0·0		5·3	0·0	0·0	20·0	0·0	15·0	0·0	0·0	0·0	0·0	
30	0·0		26·6	0·0	0·0	10·0	0·0	8·0	0·0	0·0	0·0	0·0	
31	0·0		0·0		0·0		0·0	10·0		0·0		0·0	
Sum	0·0	0·0	60·9	43·3	0·0	126·6	24·1	160·1	10·2	0·0	0·0	0·0	
M. Sum	0·0	68·8	87·3	95·8	0·0	345·2	224·6	418·0	91·1	20·3	0·0	0·0	
Mean													
Hig.	6·0	20·0	27·0	26·3		28·0	25·6	20·6	20·1	20·3			
Date	23	26	28	5		10	16	22	5	19			
Low													
Date													

Copied by: Name TSEGAYE · YDIAM   Sig. _____   3 — 12 — 13   Sig. _____
/tm

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: _Tullu bullo_ .... Wereda .... Awraja _Dε /ι·_ .... Region _Shewa_

Alt. _2264_ ...... Long. _38·14_ ...... Lat. _8·39_ ...... Element _Daily Rain..._ Year _1990_

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0·0	2·0	0·0		0·0	3·0	16·1	10·0	0·0	0·0	0·0	0·0	
2	0·0	0·0	0·0		0·0	0·0	13·2	4·7	0·0	0·0	0·0	0·0	
3	0·0	1·1	0·0		0·0	0·0	20·0	4·0	0·0	0·0	0·0	0·0	
4	0·0	0·0	5·2		0·0	6·1	15·0	0·0	0·0	0·0	0·0	0·0	
5	0·0	0·0	0·0		0·0	5·0	20·2	3·0	4·7	0·0	0·0	0·0	
6	0·0	2·1	0·0		0·0	10·0	20·3	13·0	0·0	0·0	0·0	0·0	
7	0·0	0·0	0·0		2·0	0·0	8·0	10·0	6·0	0·0	0·0	0·0	
8	0·0	6·3	7·3		0·0	6·0	6·0	10·3	0·0	0·0	0·0	0·0	
9	0·0	0·0	0·0		0·0	0·0	0·0	5·7	0·0	0·0	0·0	0·0	
10	0·0	3·5	0·0		0·0	3·0	5·0	4·0	0·0	0·0	0·0	0·0	
	0·0	15·0	12·5		0·0	35·1	125·6	61·7	10·7	0·0	0·0	0·0	
11	0·0	0·0	0·0		0·0	15·0	10·0	8·0	7·4	0·0	0·0	0·0	
12	0·0	0·0	0·0		2·0	10·0	0·0	10·3	0·0	0·0	0·0	0·0	
13	0·0	0·0	0·0		0·0	0·0	0·0	4·5	0·0	0·0	0·0	0·0	
14	0·0	0·0	0·0		0·0	0·0	0·0	10·0	0·0	0·0	0·0	0·0	
15	0·0	0·0	0·0		0·0	6·1	0·0	2·5	5·3	0·0	0·0	0·0	
16	0·0	0·0	0·0		0·0	5·0	17·0	5·7	0·0	0·0	0·0	0·0	
17	0·0	0·0	0·0		0·0	3·0	0·0	7·4	0·0	0·0	0·0	0·0	
18	0·0	1·1	0·0		0·0	0·0	0·0	10·2	5·1	0·0	0·0	0·0	
19	0·0	5·2	0·0		0·0	0·0	0·0	16·7	2·0	0·0	0·0	0·0	
20	0·0	0·0	0·0		3·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	
	0·0	6·3	0·0		5·0	39·1	33·0	80·3	14·8	0·0	0·0	0·0	
21	0·0	6·3	0·0		0·0	6·1	0·0	7·5	8·1	0·0	0·0	0·0	
22	0·0	0·0	0·0		0·0	0·0	10·3	5·3	0·0	0·0	0·0	0·0	
23	0·0	0·0	0·0		4·0	0·0	10·1	12·5	0·0	0·0	0·0	0·0	
24	0·0	1·0	0·0		0·0	0·0	20·0	8·2	0·0	0·0	0·0	0·0	
25	0·0	6·0	0·0		0·0	3·1	11·0	0·0	0·0	0·0	0·0	0·0	
26	0·0	0·0	6·1		0·0	10·2	10·3	5·7	0·0	0·0	0·0	0·0	
27	0·0	0·0	0·0		5·0	10·0	0·0	0·0	0·0	0·0	0·0	0·0	
28	0·0	0·0	0·0		6·0	20·1	10·0	2·7	0·0	0·0	0·0	0·0	
29	0·0		0·0		2·0	10·1	14·0	4·2	0·0	0·0	0·0	0·0	
30	0·0		0·0		4·0	16·2	4·4	8·7	0·0	0·0	0·0	0·0	
31	0·0		0·0		0·0		0·0	0·0		0·0		0·0	
Sum	0·0	6·3	5·2		22·0	75·9	89·7	54·8	8·1	0·0	0·0	0·0	
M. Sum		27·6	25·0		29·0	150·1	248·3	177·8	36·6				
Mean													
Hig.		6·3	7·3		8·0	20·2	20·3	16·7	8·1				
Date		8	8		27	28	6	12	21				
Low													
Date													

Copied by: Name _Getachew Yimer_ Sig. _____ 3 – 12 – 14 .... Sig. ....

NATIONAL METEOROLOGICAL SERVICES AGENCY 3ʳᵈ

Station: _TULU-BOLLO_ Wereda .... Awraja .... Region **SHOA**

Alt. .... Long. .... Lat. .... Element _DAIY·R·FALL_ Year **1991**

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0·0	0·0	15·0	0·0	0·0	15·0	15·3	15·0	0·0	0·0	0·0	0·0	
2	0·0	0·0	5·0	5·2	0·0	5·0	18·2	12·0	4·1	0·0	0·0	0·0	
3	0·0	0·0	0·0	0·0	0·0	0·0	5·1	0·0	0·0	0·0	0·0	0·0	
4	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	
5	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	
6	0·0	0·0	0·0	0·0	15·3	15·1	15·0	0·0	0·0	0·0	0·0	0·0	
7	3·2	0·0	15·1	6·0	8·2	10·2	10·1	15·1	0·0	0·0	0·0	0·0	
8	6·0	0·0	10·3	0·0	0·0	9·3	2·0	10·3	0·0	0·0	0·0	0·0	
9	0·0	3·0	9·2	0·0	6·1	0·0	0·0	9·2	0·0	0·0	0·0	0·0	
10	0·0	2·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	
	9·2	5·1	54·6	11·2	29·2	54·6	65·7	66·6	4·1	2·0			
11	0·0	0·0	0·0	0·0	0·0	0·0	10·3	0·0	0·0	0·0	0·0	0·0	
12	0·0	0·0	0·0	0·0	0·0	6·1	15·2	0·0	0·0	0·0	0·0	0·0	
13	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	
14	0·0	0·0	6·1	0·0	0·0	0·0	0·0	20·1	0·0	0·0	0·0	0·0	
15	0·0	0·0	0·0	0·0	15·2	3·1	0·0	20·0	0·0	0·0	0·0	0·0	
16	0·0	0·0	0·0	0·0	0·0	5·0	12·0	0·0	0·0	0·0	0·0	0·0	
17	0·0	0·0	0·0	0·0	6·2	18·3	10·0	0·0	0·0	0·0	0·0	0·0	
18	0·0	2·1	0·0	0·0	0·0	15·2	17·0	0·0	0·0	0·0	0·0	0·0	
19	0·0	0·0	3·1	0·0	0·0	X	0·0	0·0	0·0	0·0	0·0	0·0	
20	0·0	0·0	0·0	0·0	9·2	X	0·0	3·1	0·0	0·0	0·0	0·0	
	0·0	2·1	9·2	0·0	30·6	47·7	64·5	43·2	0·0	0·0	0·0	0·0	
21	0·0	0·0	5·0	0·0	10·3	X	0·0	0·0	0·0	0·0	0·0	0·0	
22	0·0	0·0	0·0	0·0	6·1	X	20·4	0·0	0·0	0·0	0·0	0·0	
23	0·0	0·0	0·0	0·0	0·0	X	0·0	5·0	0·0	0·0	0·0	0·0	
24	0·0	0·0	0·0	0·0	15·1	15·3	0·0	6·1	0·0	0·0	0·0	0·0	
25	0·0	0·0	0·0	0·0	0·0	12·1	13·0	7·1	0·0	0·0	0·0	0·0	
26	0·0	0·0	0·0	0·0	0·0	10·0	8·3	0·0	0·0	0·0	0·0	0·0	
27	0·0	0·0	0·0	0·0	2·0	8·2	10·0	0·0	0·0	0·0	0·0	0·0	
28	0·0	0·0	0·0	0·0	5·0	5·3	10·0	0·0	0·0	0·0	0·0	0·0	
29	0·0		0·0	0·0	0·0	0·0	0·0	20·0	0·0	0·0	0·0	0·0	
30	0·0		0·0	0·0	15·0	7·1	0·0	15·1	0·0	0·0	0·0	0·0	
31	0·0		0·0		15·3		0·0	3·2		0·0		X	
Sum	0·0	0·0	5·0	0·0	67·8	58·0	61·7	56·5	0·0	0·0	0·0	0·0	
M. Sum	9·2	7·2	68·8	11·2	128·6	160·3	191·9	161·3	4·1	0·0	0·0	0·0	
Mean													
Hig.	6·0	3·0	15·0	6·0	15·3	18·3	20·4	20·1	4·1				
Date	8	9	1	7	6	17	22	14	2				
Low													
Date													

Copied by: Name _Tsegaye Yimam_ Sig. _____ 3 − 1 2 − 1 5 .... Sig. ....
/tm

NATIONAL METEOROLOGICAL SERVICES AGENCY 3rd

Station: TULU-BOLLO Wereda Awraja Region: SHOA

Alt. Long. Lat. Element: DAILY·R·FALL Year: 1992

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0		0.0	0.0	0.0	2.6	4.2	30.1	0.0	0.0	0.0	0.0	
2	0.0		15.9	7.3	0.0	38.2	8.4	4.1	7.0	0.0	0.0	0.0	
3	0.0		0.0	0.0	0.0	0.0	20.7	8.0	10.6	0.0	0.0	0.0	
4	0.0		0.0	0.0	0.0	8.6	9.4	23.3	0.0	0.0	0.0	0.0	
5	0.0		0.0	0.0	0.0	0.0	10.7	26.2	13.4	0.0	0.0	0.0	
6	0.0		0.0	0.0	0.0	14.0	18.4	10.4	6.6	0.0	0.0	0.0	
7	0.0		0.0	0.0	0.0	34.4	20.9	8.6	0.0	0.0	0.0	0.0	
8	0.0		0.0	0.0	0.0	2.0	33.0	3.2	0.0	3.2	0.0	0.0	
9	0.0		0.0	0.0	0.2	2.9	8.6	0.0	7.5	0.0	0.0	0.0	
10	0.0		0.0	0.0	8.0	25.4	2.4	28.3	4.4	2.0	0.0	0.0	
	0.0		15.9	7.3	8.2	128.1	136.7	142.5	41.5	5.2	0.0	0.0	
11	0.0		0.0	0.0	3.4	28.9	7.3	30.2	8.6	0.0	0.0	0.0	
12	0.0		0.0	0.0	6.8	24.8	15.0	6.9	0.0	3.0	4.2	0.0	
13	0.0		0.0	0.0	0.0	28.9	18.8	7.1	0.0	0.0	0.0	0.0	
14	7.1		0.0	0.0	0.0	21.8	24.7	3.1	3.2	0.0	0.0	0.0	
15	0.0		0.0	0.0	0.0	1.1	20.6	14.5	0.0	0.0	0.0	2.8	
16	0.0		0.0	0.0	0.0	11.1	30.2	4.7	0.0	0.0	0.0	0.0	
17	0.0		10.6	0.0	0.0	2.8	6.9	34.3	4.4	0.0	0.0	0.0	
18	0.0		7.0	0.0	0.0	0.2	7.1	33.2	0.0	0.0	0.0	0.0	
19	0.0		0.0	0.0	2.6	0.0	3.1	0.0	0.0	0.0	0.0	0.0	
20	0.0		0.0	0.0	0.0	4.8	0.7	0.0	0.0	0.0	0.0	0.0	
	7.1		17.6	0.0	12.8	124.4	134.4	134.0	16.2	3.0	4.7	2.8	
21	0.0		0.0	0.0	8.6	0.0	0.3	29.1	0.0	0.0	0.0	0.0	
22	0.0		0.0	0.0	5.4	0.0	23.3	28.3	0.0	0.0	0.0	0.0	
23	0.0		0.0	0.0	0.0	3.2	0.0	28.4	0.0	0.0	0.0	0.0	
24	0.0		13.3	4.7	5.2	0.0	20.6	20.1	0.0	0.0	0.0	0.0	
25	0.0		0.0	14.5	0.0	25.8	25.7	32.0	0.0	0.0	0.0	0.0	
26	0.0		0.0	0.0	2.6	1.6	26.3	8.0	0.0	0.0	0.0	0.0	
27	0.0		0.0	4.8	0.0	3.8	30.1	26.2	0.0	0.0	0.0	0.0	
28	0.0		0.0	2.2	0.0	8.4	20.1	38.2	0.0	0.0	0.0	0.0	
29	0.0		0.0	3.8	0.0	31.1	10.0	30.1	0.0	0.0	0.0	0.0	
30	0.0		8.3	0.0	0.0	10.5	2.3	30.0	0.0	0.0	0.0	0.0	
31	0.0		7.1		0.0		11.9	28.1		0.0		0.0	
Sum	0.0		28.7	30.0	21.8	84.4	174.6	298.5	0.0	0.0	0.0	0.0	
M. Sum	7.1		62.2	37.3	42.8	336.9	441.7	575.0	65.7	8.2	4.7	2.8	
Mean													
Hig.	7.1		15.9	14.5	8.6	38.2	33.0	34.3	13.4	3.2	4.7	2.8	
Date	14		2	25	21	2	8	17	5	8	12	15	
Low													
Date													

Copied by: Name: Tsegaye Yimam Sig. 3 - 12 - 16 Sig.

NATIONAL METEOROLOGICAL SERVICES AGENCY 3rd

Station: TULU BOLLO   Wereda: Awroja: Region: SHOA

Alt: Long: Lat: Element: DATO R FALL   Year: 1993

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0	0.0	0.0	0.0	13.0	10.2	30.0	15.0	12.8	0.0	0.0	0.0	
2	0.0	2.1	13.9	0.0	12.2	16.1	25.3	20.3	10.0	0.0	0.0	0.0	
3	0.0	0.0	0.0	0.0	2.1	23.8	23.4	8.1	10.9	0.0	0.0	0.0	
4	0.0	6.8	0.0	9.1	4.2	25.8	0.0	0.0	4.2	3.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	10.2	30.2	0.0	16.0	25.5	0.0	0.0	0.0	
6	0.0	3.2	0.0	0.0	9.1	15.8	23.1	25.1	8.6	0.0	0.0	0.0	
7	0.0	0.0	0.0	0.0	0.0	0.0	20.6	21.4	6.9	0.0	0.0	0.0	
8	0.0	0.0	0.0	4.2	0.0	18.8	16.8	20.1	8.2	0.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	0.0	10.9	6.0	15.3	12.0	0.0	0.0	0.0	
10	0.0	0.0	0.0	2.0	0.0	12.1	15.3	17.5	16.9	0.0	0.0	0.0	
	0.0	12.1	13.9	15.3	50.8	163.7	160.5	158.8	116.0	3.0	0.0	0.0	
11	0.0	0.0	0.0	0.0	4.2	6.0	23.0	8.4	0.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	7.0	6.1	15.8	12.2	26.8	0.0	0.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	5.0	32.2	24.6	30.7	6.2	0.0	0.0	0.0	
14	0.0	0.0	0.0	13.0	0.0	10.5	17.6	25.0	13.2	0.0	0.0	0.0	
15	0.0	0.0	0.0	0.0	0.0	18.0	0.0	23.1	18.2	0.0	0.0	0.0	
16	8.7	3.2	0.0	12.2	0.0	25.2	8.9	16.4	0.0	0.0	0.0	0.0	
17	0.0	0.0	0.0	2.1	5.2	10.2	8.2	17.1	0.0	0.0	0.0	0.0	
18	0.0	0.0	0.0	4.2	9.2	17.6	7.6	11.3	15.3	0.0	0.0	0.0	
19	0.0	0.0	0.0	10.2	8.0	6.6	0.0	26.3	33.1	0.0	0.0	0.0	
20	0.0	0.0	0.0	9.1	0.0	30.8	0.0	8.4	0.0	0.0	0.0	0.0	
	8.7	3.2	0.0	57.8	37.7	172.9	102.6	173.5	66.7				
21	0.0	0.0	0.0	0.0	8.2	33.1	7.2	18.2	0.0	0.0	0.0	0.0	
22	0.0	0.0	0.0	0.0	13.9	27.4	15.3	25.6	2.1	0.0	0.0	0.0	
23	0.0	0.0	0.0	4.2	10.2	23.5	25.4	24.0	25.4	0.0	0.0	0.0	
24	0.0	6.2	0.0	0.0	25.9	11.8	6.0	26.8	0.0	0.0	0.0	0.0	
25	0.0	0.0	0.0	6.1	0.0	9.2	17.6	23.6	23.4	8.2	0.0	0.0	
26	0.0	0.0	0.0	5.0	6.2	29.9	8.5	20.4	8.5	0.0	0.0	0.0	
27	0.0	0.0	0.0	9.2	4.8	8.7	6.0	18.9	17.6	0.0	0.0	0.0	
28	0.0	0.0	0.0	8.0	3.2	16.3	15.0	7.2	16.5	8.0	0.0	0.0	
29	0.0		0.0	0.0	0.0	25.6	25.4	0.0	0.0	0.0	0.0	0.0	
30	0.0		0.0	8.2	25.8	26.8	23.6	24.1	25.4	0.0	0.0	0.0	
31	0.0		0.0		6.8		26.8	22.6		0.0		0.0	
Sum	0.0	6.2	0.0	40.7	105.0	212.3	177.3	211.4	123.7	16.2	0.0	0.0	
M. Sum	8.7	21.5	13.9	113.8	193.5	547.9	440.4	563.7	326.6	19.2	0.0	0.0	
Mean													
Hig.	8.7	6.8	13.9	13.0	25.9	33.1	30.0	30.7	33.1	8.2			
Date	16	4	2	14	24	21	1	13	19	25			
Low													
Date													

Copied by: Name: Begaye Yhmam Sig.   3 – 1 2 – 1 7   Sig.

NATIONAL METEOROLOGICAL SERVICES AGENCY 3rd

Station: ...TULU-BOLO... Wereda .... Awraja ...... Region ...SHOA...

Alt. ...3380.M... Long. .... Lat. .... Element DAILY R.FALL Year 1994

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	20·0	0·0		0·0	
2	0·0	0·0	0·0	1·4	0·5	0·0	0·0	0·0	4·0	0·0		0·0	
3	0·0	0·0	0·0	0·0	0·0	0·0	0·0	9·0	9·0	0·0		0·0	
4	0·0	0·0	1·4	0·0	0·0	0·0	15·1	15·1	15·1	0·0		0·0	
5	0·0	0·0	11·3	0·0	0·0	4·2	10·0	29·9	4·0	0·0		0·0	
6	0·0	0·0	9·3	0·0	0·0	15·0	0·0	10·2	23·7	0·0		0·0	
7	0·0	0·0	5·0	0·0	10·6	0·0	0·0	12·6	4·0	0·0		0·0	
8	0·0	0·0	7·0	3·0	0·0	0·0	15·3	20·4	2·0	0·0		0·0	
9	0·0	0·0	13·1	0·0	0·0	0·0	20·2	4·2	3·0	0·0		0·0	
10	0·0	0·0	0·0	0·0	0·0	5·0	15·1	6·8	6·0	0·0		0·0	
	0·0	0·0	47·1	4·4	11·1	24·2	75·7	92·2	90·5				
11	0·0	0·0	0·0	0·0	0·0	20·0	0·0	20·1	5·0	0·0		0·0	
12	0·0	0·0	10·4	0·0	15·4	30·0	0·0	18·0	0·0	0·0		0·0	
13	0·0	0·0	3·2	0·0	0·0	15·0	0·0	0·0	0·0	0·0		0·0	
14	0·0	0·0	0·0	3·0	0·0	20·3	4·2	0·0	0·0	0·0		0·0	
15	0·0	0·0	0·0	0·0	3·5	0·0	20·4	0·0	3·0	0·0		0·0	
16	0·0	0·0	0·0	0·0	0·0	0·0	12·6	0·0	0·0	0·0		0·0	
17	0·0	0·0	0·0	0·0	0·0	1·5	6·8	18·0	2·0	0·0		0·0	
18	0·0	0·0	0·0	8·1	0·0	2·0	10·2	10·2	12·0	0·0		0·0	
19	0·0	0·0	7·6	0·0	0·0	3·1	29·9	20·3	8·0	0·0		0·0	
20	0·0	0·0	0·0	6·1	0·4	1·8	20·1	14·0	28·0	0·0		0·0	
	0·0	0·0	21·2	17·2	19·3	93·7	104·3	100·6	58·0	0·0			
21	0·0	0·0	0·0	0·0	5·0	0·0	18·0	10·1	15·0	0·0		0·0	
22	0·0	0·0	1·5	6·5	10·1	10·0	10·2	6·4	0·0	0·0		0·0	
23	0·0	0·0	2·4	0·0	0·0	23·0	20·3	20·3	10·0	0·0		0·0	
24	0·0	0·0	3·4	4·0	0·0	19·3	25·0	0·0	0·0	0·0		0·0	
25	0·0	0·0	0·0	3·0	0·0	36·3	14·0	0·0	0·0	0·0		0·0	
26	0·0	0·0	1·4	0·0	0·0	0·0	10·1	6·2	6·0	0·0		0·0	
27	0·0	0·0	0·0	6·9	8·2	20·4	0·4	20·3	8·0	0·0		0·0	
28	0·0	0·0	0·0	0·0	10·3	30·0	6·0	15·1	20·0	0·0		0·0	
29	0·0		8·6	0·0	0·0	18·0	20·3	20·0	28·0	0·0		0·0	
30	0·0		0·0	4·9	0·0	9·5	6·2	8·0	0·0	0·0		0·0	
31	0·0		0·0		0·0		24·0	10·4		0·0		0·0	
Sum	0·0	0·0	17·3	25·3	33·6	166·5	15·1·0	116·8	84·0	0·0		·0	
M. Sum			85·6	46·9	64·0	284·4	331·4	316·6	232·5				
Mean													
Hig.			13·1	8·1	15·4	36·3	29·9	29·9	28·0				
Date			9	18	12	25	19	5	20				
Low													
Date													

Copied by: Name Tsegaye Yimam Sig. .... 3 – 1 2 – 1 8 .... Sig. ....
/un

3rd class

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Tulu Bolo Wereda: .... Awraja: .... Region: SHOA

Alt: .... Long: .... Lat: .... Element: Daily Rainfall Year: 1995

COMMERCIAL P. E. 4565/56

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	15.2	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0		0.0	3.2	8.1	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0		0.0	5.2	0.04	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0		3.2	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0		0.0	0.0	18.2	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0		0.0	0.0	20.4	0.0	0.0	0.0	0.0
8	0.0	0.0	6.0	0.0		20.0	0.0	0.2	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	10.0		0.0	0.0	9.2	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	3.1	Œ	0.0	0.0	28.0	0.0	0.0	0.0	0.0
	0.0	0.0	6.0	13.1		23.2	2.4	92.3	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	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
13	0.0	0.0	0.0	6.0	F	0.0	3.4	0.2	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0		22.1	0.0	10.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0		10.2	0.0	6.1	0.0	0.0	0.0	0.0
16	0.0	3.2	0.0	0.0		0.0	0.0	3.1	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0		2.2	2.2	15.7	0.0		0.0	6.3
18	0.0	0.0	0.0	5.3	Œ	0.0	0.0	0.0	0.0	0.0	0.0	8.4
19	0.0	0.0	0.0	0.0		12.2	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	2.1	5.0	4.1		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	5.3	5.0	21.4		46.1	5.6	3.1.7	0.0		0.0	14.7
21	0.0	0.0	0.0	15.2	A	0.0	10.4	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0		0.0	0.0	9.3	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0		10.1	0.0	0.02	0.0	0.0	0.0	0.0
24	0.0	3.0	0.0	0.0		5.2	0.0	5.1	0.0	0.0	0.0	0.0
25	0.0	0.0	0.02	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	O	0.0	0.0	25.0	0.0	0.0	0.0	0.0
27	0.0	0.0	10.1	0.0	Z	20.0	0.0	20.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0		15.0	80.0	3.0	0.0	3.1	0.0	0.0
29	0.0		0.0	0.0		8.2	15.2	4.7	0.0	0.0	0.0	0.0
30	0.0		22.0	0.0		6.4	11.3	9.9	0.0	0.0	0.0	0.0
31	0.0		0.0				9.2	10.4		0.0		0.0
Sum	0.0	3.0	32.1	15.2		69.9	16.1	87.4	0.0	3.1	0.0	0.0
M. Sum	0.0	8.3	43.1	49.7		134.5	90.1	201.6	0.0	3.1	0.0	14.7
Mean												
Hig.		3.2	22.0	15.2		22.1	36.0	28.0		3.1		8.4
Date		16	30	21		11	28	10		28		16
Low												
Date												

NATIONAL METEOROLOGICAL SERVICES AGENCY

Tulu Bollo

Station: Tulu Boolo ... Wereda .... Awraja .... Region SHOA

Alt. .... Long. .... Lat. .... Element Daily Rainfall Year 1996.

COMMERCIAL P. E. 4005/86

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	8.0	10.0	0.0	12.3	20.5	14.2	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	5.3	5.1	30.5	3.1	0.0	0.0	0.0
3	5.2	0.0	0.0	10.1	20.3	10.0	7.1	15.2	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	9.0	3.1	16.1	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	17.0	10.0	16.0	10.2	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	8.0	0.0	0.0	0.0
7	10.2	0.0	0.0	0.0	11.5	20.0	30.0	40.7	20.1	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	3.1	7.5	3.0	20.4	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	4.1	15.2	0.6	0.0	0.0	0.0
10	0.0	0.0	3.2	0.0	0.0	15.0	2.0	5.2	24.6	0.0	0.0	0.0
	13.4	0.0	3.2	13.1	44.9	74.5	105.0	145.5	22.5			
11	0.0	0.0	10.1	0.0	0.0	20.3	80.0	13.2	2.1	0.0	0.0	0.0
12	0.0	0.0	8.2	0.0	5.1	5.0	24.2	3.1	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	20.0	10.0	3.3	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	10.0	0.0	5.1	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	3.0	6.2	25.0	13.8	0.0	0.0	0.0
17	0.0	0.0	0.0	15.3	0.0	20.0	7.3	0.0	2.4	0.0	1.2	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	3.1	0.0
19	4.1	0.0	0.0	0.0	4.0	0.0	5.0	15.2	26.0	0.0	0.0	0.0
20	0.0	0.0	15.1	0.0	0.0	10.2	18.0	20.7	15.3	0.0	0.0	0.0
	1.1	0.0	33.4	15.3	9.1	68.5	239	106.1	141.2	23		
21	0.0	0.0	0.0	4.0	3.0	4.2	17.1	10.3	13.2	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	5.1	0.0	0.0	15.7	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	9.3	15.0	3.1	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	10.3	5.0	10.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	3.3	10.3	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	3.1	3.2	33.1	0.0	20.1	0.0	11.1	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	4.0	30.3	3.2	3.2	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	7.1	5.1	1.0	9.4	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	3.1	10.0	0.0	21.2	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	10.2		0.0		0.0
Sum	0.0	3.1	3.2	37.1	33.8	73.0	46.6	46.1	32.5			
M. Sum	17.5	3.1	37.8	65.5	87.8	210.3	243.7	338.2	195	0.0	4.3	6.0
Mean												
Hig.	10.2	3.1	15.1	33.1	20.3	30.3	30.0	30.5	26.0		3.1	
Date	7	27	20	27	3	28	7	2	19		18	
Low												
Date												

Copied by: Name .... Sig. .... 3 - 1 2 - 2 0 .... Sig.
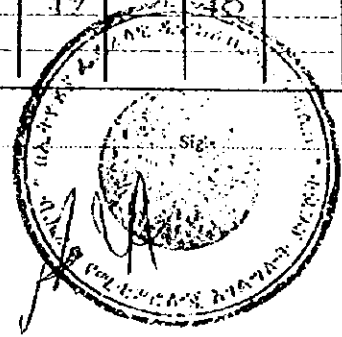
STATION ID: 36090031 STATION NAME: A.A. Obs. (Addis Ababa Observatory) REGION: HEWA ELEMENT: Daily Rainfall
LAT: 9.00 LONG: 38.42 ALT: 2364

YEAR: 1986

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	8.1	0.6	0.0	0.0	1.1	1.6	0.0	5.7	0.0	0.0
2	0.0	0.0	6.7	83.8	0.0	7.2	22.3	7.0	0.6	0.6	0.0	0.0
3	0.0	0.0	13.4	33.5	0.4	0.0	0.6	3.6	0.1	3.0	0.0	0.0
4	0.0	0.0	0.0	0.0	4.4	0.0	3.0	8.0	5.7	0.0	0.0	0.0
5	0.0	0.0	0.0	2.5	0.1	4.3	5.8	8.0	5.7	0.0	0.0	0.0
6	0.0	3.6	0.0	0.0	0.0	3.0	11.5	6.7	6.3	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	14.4	11.5	43.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	2.2	12.7	30.6	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	6.7	6.3	0.7	2.4	8.9	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	27.5	8.3	4.8	0.6	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	8.5	18.7	1.8	8.5	6.5	0.0	0.0	0.0
12	0.0	0.0	0.0	3.7	0.0	0.8	1.7	2.6	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	33.4	8.6	11.6	0.0	5.6	4.6	0.0	0.0	0.0
14	0.0	0.0	0.0	1.5	21.9	0.8	3.4	31.7	8.5	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	1.7	1.3	8.0	4.3	0.0	0.0	0.0
16	0.0	0.8	1.8	0.0	0.0	4.7	0.5	13.0	1.7	0.0	0.0	0.0
17	0.0	4.4	0.0	0.0	0.0	20.9	0.3	49.3	0.8	0.0	0.0	0.0
18	0.0	3.7	30.3	0.0	27.6	7.2	0.0	9.2	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	5.7	0.0	8.6	20.0	1.5	0.0	3.3	0.0	0.0
20	0.0	0.2	14.3	0.0	0.0	34.3	9.2	7.3	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	3.5	11.8	1.1	3.4	4.5	1.7	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	3.2	8.4	0.5	0.1	23.5	0.0	0.0
23	0.0	1.2	0.0	0.0	0.0	3.4	6.4	15.4	0.0	0.0	0.0	0.0
24	0.0	2.0	0.4	5.5	0.0	11.2	4.1	8.6	0.0	0.0	0.0	0.0
25	0.0	15.9	6.5	5.7	0.0	0.1	10.3	0.7	0.0	0.0	0.0	0.0
26	0.0	1.7	0.0	0.0	0.0	3.4	0.3	15.8	0.0	0.0	0.0	0.0
27	0.0	0.6	0.0	0.0	1.2	9.3	7.6	0.0	0.0	0.0	0.0	0.0
28	0.0	1.6	0.0	1.6	0.0	2.3	3.2	7.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	3.8	26.4	9.6	4.4	0.0	0.0	0.0
30	0.0		6.5	0.0	0.0	0.5	0.0	6.6	0.0	0.0	0.0	0.0
31	0.0		0.0		6.7		3.5	0.0		0.0		0.0

YEAR: 1987

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	11.2	6.1	0.0	14.3	0.0	0.7	0.0	8.1	0.0	0.0
2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.3
3	0.0	0.0	1.6	15.8	0.0	0.2	2.9	5.1	6.6	2.4	0.0	0.0
4	0.0	0.0	0.0	10.0	0.0	3.8	0.0	0.7	0.0	7.0	0.0	0.0
5	0.0	0.0	6.8	3.5	0.2	7.4	8.6	19.1	35.7	0.0	0.0	0.0
6	0.0	0.0	52.1	11.4	0.8	2.4	7.0	2.0	14.6	0.0	0.0	0.0
7	0.0	0.0	17.8	0.7	5.1	0.0	1.5	18.4	0.6	0.0	0.0	0.0
8	0.0	0.0	0.0	10.3	12.4	0.6	7.2	6.7	0.6	0.0	0.0	0.0
9	0.0	0.0	5.7	18.4	8.3	18.2	4.0	20.2	0.0	0.2	0.0	0.0
10	0.0	0.0	20.9	0.0	5.7	2.7	8.7	23.6	14.8	1.2	0.0	0.0
11	0.0	37.7	0.0	3.7	0.0	2.4	7.7	23.4	4.3	0.0	0.8	0.0
12	0.0	5.4	0.0	0.0	0.0	3.1	16.9	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	56.8	1.6	0.0	8.3	4.7	31.8	18.4	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.5	0.0	0.3	0.1	0.9	0.0	0.0	0.0
15	0.0	0.0	9.0	0.0	0.0	0.0	6.7	2.6	1.6	0.0	0.0	0.0
16	0.0	0.0	11.2	0.0	0.0	4.1	3.9	1.7	0.0	0.0	0.0	0.0
17	0.0	0.0	5.6	0.0	0.0	0.0	3.1	3.3	0.0	0.0	0.0	0.0

Date	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
18	0.0	0.0	3.0	0.0	0.0	0.0	6.6	1.5	0.0	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	13.9	0.0	0.0	1.2	0.0	0.0	2.5	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	2.0	0.0	0.0	34.0	0.0	4.5	7.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	9.2	0.0	14.5	0.0	0.0	0.0	0.0	0.0
24	0.0	6.3	0.0	0.0	53.0	0.6	1.8	2.6	3.5	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	35.4	0.0	4.3	0.0	9.4	0.0	0.0	0.0
26	0.0	0.0	3.4	0.0	13.6	0.0	14.4	0.0	0.0	0.0	0.0	0.0
27	0.0	1.5	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0
28	0.0	5.4	2.5	0.0	0.0	0.0	0.0	10.3	0.0	0.0	0.0	0.0
29	0.0		40.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0
30	0.0		1.1	0.0	0.6	2.6	2.2	0.0	0.0	0.0	0.0	0.0
31	0.0		0.2		0.0		8.3	0.0		0.0		0.0

YEAR: 1988

Date	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	19.7	4.0	0.0	26.3	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	5.5	20.8	23.3	13.9	0.0	0.0	0.0
3	3.5	0.0	0.0	0.0	0.0	4.4	8.0	0.0	0.0	4.7	0.0	0.0
4	0.0	0.0	3.7	0.0	0.0	4.3	15.8	11.0	4.6	0.0	0.0	0.0
5	0.0	0.0	4.0	0.0	0.0	2.0	0.0	1.3	8.0	0.7	0.0	0.0
6	0.0	0.0	0.0	3.7	0.0	1.5	1.2	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	1.0	0.0	7.1	13.7	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	7.4	0.0	0.0	0.0
9	0.0	3.8	0.0	7.3	0.0	4.6	20.6	17.3	10.8	0.0	0.0	0.0
10	0.0	3.3	0.0	4.8	0.0	0.0	0.0	32.1	16.1	0.0	0.0	0.0
11	0.0	5.7	0.0	24.3	0.0	2.5	2.4	15.6	18.2	0.0	0.0	0.0
12	0.0	0.0	0.0	6.1	0.0	0.0	9.9	1.2	2.6	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	1.0	5.6	1.5	12.9	0.0	0.0	0.0	0.0
14	0.0	19.6	0.0	5.7	7.3	0.0	7.0	13.0	15.8	5.4	0.0	0.0
15	0.0	0.0	0.0	2.0	0.0	0.0	4.8	5.6	14.1	13.8	0.0	0.0
16	0.0	0.0	0.0	0.0	1.2	0.0	0.0	13.4	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.7	32.7	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	2.5	5.5	10.2	0.0	0.0	0.0
19	0.0	0.0	0.0	35.8	5.5	0.0	4.7	0.0	0.0	0.0	0.0	0.0
20	0.6	0.0	0.0	0.0	0.0	11.5	0.0	0.0	6.0	0.0	0.0	0.0
21	1.6	0.0	0.0	14.0	0.0	0.0	0.0	18.5	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	23.0	0.0	1.2	0.0	0.0	3.7	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	16.8	2.4	7.2	0.0	0.0	0.0
24	0.0	0.0	0.0	2.0	0.0	0.0	2.4	23.8	1.5	0.0	0.0	0.0
25	0.0	1.0	0.0	0.0	0.0	0.0	0.0	6.6	9.8	5.2	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	21.4	2.5	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	24.9	0.0	4.8	0.0	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	6.8	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	12.6	0.0	6.0	9.7	0.0	0.0	0.0
30	0.0		0.0	3.3	0.0	0.0	6.5	10.4	14.6	0.0	0.0	0.0
31	0.0		0.0		0.0		33.7	0.0		0.0		0.0

YEAR: 1989

Date	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	8.5	9.8	11.6	0.0	0.0	0.0
2	0.0	0.0	0.0	1.6	0.0	0.0	5.5	0.0	19.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	3.8	8.6	9.8	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	8.3	11.2	2.5	0.0	0.0	0.0
5	0.0	9.4	0.0	0.0	0.0	5.5	13.4	2.7	0.0	0.0	0.0	0.0

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
6	0.0	9.5	0.0	0.0	0.0	0.0	1.8	20.4	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	3.6	0.0	0.0	19.8	5.2	7.2	0.0	0.0	0.0
8	0.0	14.8	0.0	7.7	0.0	0.0	9.6	3.6	23.4	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	9.5	9.1	7.2	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	3.8	2.9	0.0	1.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	3.8	12.1	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	26.2	14.2	48.4	23.4	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	3.8	5.0	4.1	0.0	0.0	0.0
15	0.0	0.0	4.8	0.0	0.0	1.0	5.7	12.9	10.8	0.0	0.0	0.0
16	3.4	0.0	4.4	0.0	0.0	0.3	6.8	15.6	0.0	0.0	0.0	0.0
17	0.0	0.0	1.1	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	2.0	0.0	0.0
19	0.0	0.0	0.0	11.5	0.0	0.0	0.2	1.1	0.0	34.8	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	9.0	6.5	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	8.4	0.0	1.6	18.5	16.2	0.0	0.0	0.0	0.0
22	0.0	0.0	1.6	14.6	0.0	6.2	4.4	6.6	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	21.6	0.0	0.0	5.7	4.6	1.9	0.0	0.0	0.0
24	0.0	0.0	0.0	36.0	0.0	2.0	0.0	16.2	1.6	0.0	0.0	0.0
25	0.0	0.0	0.0	7.6	0.0	0.0	8.6	20.8	0.0	0.0	0.0	6.5
26	0.0	0.0	0.0	17.7	0.0	0.0	2.8	27.5	2.2	0.0	0.0	1.4
27	0.0	0.0	0.0	13.0	0.0	0.0	4.2	7.1	14.6	0.0	0.0	0.0
28	0.0	-99	36.2	0.0	0.0	19.0	10.8	25.0	3.2	0.0	0.0	0.0
29	0.0		7.2	0.0	0.0	7.1	2.1	7.1	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	7.5	4.4	6.5	6.5	0.0	0.0	0.0
31	0.0		3.1		0.0		21.7	4.6		0.0		0.0

YEAR: 1990

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	10.2	0.0	8.4	0.0	0.0	0.8	8.0	4.0	12.6	0.0	0.0
2	0.0	0.7	1.3	8.2	0.0	1.5	11.0	16.7	7.0	33.5	0.0	0.0
3	0.0	0.0	0.0	4.6	0.0	0.6	2.8	6.7	0.0	0.0	0.0	0.0
4	0.0	5.8	37.0	1.9	0.0	4.1	0.7	2.2	9.0	0.0	0.0	0.0
5	0.0	3.8	2.5	25.4	0.0	1.5	3.6	10.0	5.8	0.0	0.0	0.0
6	0.0	9.8	1.9	18.6	0.0	1.8	0.0	17.2	2.5	0.0	0.0	0.0
7	0.0	1.4	1.3	30.1	0.0	0.4	0.0	12.7	6.9	0.0	0.0	0.0
8	0.0	27.8	0.2	14.4	0.0	4.0	6.9	7.6	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	11.2	0.0	0.0	0.0
10	0.0	4.8	0.0	0.0	0.0	3.3	10.8	7.2	5.2	0.0	0.0	0.0
11	0.0	0.5	0.0	0.0	1.0	0.0	14.2	16.8	0.4	0.0	2.1	0.0
12	0.0	0.0	0.0	0.0	5.0	0.0	6.3	14.4	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	1.2	21.1	4.8	7.5	0.0	0.0	0.0
14	0.0	0.3	0.0	0.0	0.6	0.9	19.3	25.5	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	6.7	2.6	1.7	18.4	0.0	0.0	0.0
16	0.0	3.4	0.0	0.0	0.0	0.8	4.2	8.6	7.5	0.0	0.0	0.0
17	3.2	15.3	0.0	0.0	0.1	1.2	3.8	4.4	0.0	0.0	0.0	0.0
18	0.0	1.8	0.0	3.7	0.0	3.1	28.5	10.7	6.5	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	1.0	9.5	12.7	4.2	0.0	0.0	0.0
20	0.0	8.8	0.0	3.3	1.3	6.8	10.3	15.7	0.2	0.0	0.0	0.0
21	0.0	0.5	2.3	0.0	0.0	0.3	1.2	3.2	0.0	0.0	0.0	0.0
22	0.0	10.6	0.0	0.0	0.0	0.0	0.2	6.1	7.6	0.0	0.0	0.0
23	0.0	2.0	0.0	4.6	0.0	0.0	9.3	20.2	6.6	0.0	0.0	0.0
24	0.0	1.4	0.0	1.6	0.0	0.0	1.5	23.0	0.0	0.0	0.0	0.0
25	0.0	15.2	0.0	1.5	0.0	0.4	6.4	4.5	7.2	0.0	0.0	0.0
26	0.0	1.2	0.0	8.3	0.0	0.7	0.8	1.5	1.6	0.0	0.0	0.0
27	0.0	12.6	0.0	0.0	0.0	0.7	0.5	1.5	4.6	0.0	0.0	0.0
28	0.0	23.2	0.0	9.4	0.0	0.3	0.0	9.7	0.0	0.0	0.0	0.0
29	0.0		0.0	2.5	10.4	1.6	10.5	4.6	2.6	0.0	0.0	0.0

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
30	0.0		13.6	0.0	3.5	6.2	2.0	2.5	7.0	0.0	0.0	0.0
31	0.0		0.3		3.3		5.4	1.0		0.0		0.0

YEAR: 1991

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.1	6.4	0.0	0.0	19.1	9.7	3.4	0.0	0.0	0.0
2	0.0	0.0	0.0	0.2	0.0	0.0	13.8	4.2	5.5	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	1.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	7.8	20.3	15.6	0.4	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	9.0	11.0	5.6	4.0	0.0	0.0
6	0.0	0.0	11.7	0.0	0.0	0.0	20.0	0.5	0.0	0.0	0.0	0.0
7	0.0	0.4	0.0	0.0	1.9	0.0	6.1	4.2	38.7	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	8.0	.7.1	0.2	0.0	0.0	0.0
9	0.0	12.2	6.8	0.0	0.0	0.0	6.2	13.6	5.0	0.0	0.0	0.0
10	0.0	0.3	4.0	0.0	0.0	10.0	9.3	4.4	0.0	0.0	0.0	0.0
11	0.0	0.0	1.5	0.0	0.0	1.4	0.0	3.8	10.8	0.0	2.1	0.0
12	0.0	0.3	43.8	0.0	0.0	2.4	0.0	0.0	6.2	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.3	0.0	1.6	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	6.1	17.0	0.0	0.0	0.0	0.0	0.0
15	0.0	1.2	0.0	0.0	0.0	0.0	3.0	21.6	0.0	0.0	0.0	0.0
16	0.0	1.7	0.0	0.0	0.0	0.0	4.4	5.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	22.9	18.6	2.3	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	2.6	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	13.4	25.6	59.6	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	7.3	0.0	5.8	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	11.2	32.6	11.9	3.6	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	5.6	6.9	6.3	8.7	19.8	0.0	0.0	0.0
23	0.0	5.7	1.4	9.4	0.0	9.4	0.9	2.5	0.0	0.0	0.0	0.0
24	0.0	0.2	27.7	0.0	0.0	0.0	8.5	4.5	2.8	0.0	0.0	0.0
25	0.0	0.0	1.5	0.0	0.0	13.0	0.0	31.1	0.0	0.0	0.0	0.0
26	0.0	7.6	0.0	0.0	0.0	4.6	5.7	12.2	0.0	0.0	0.0	0.0
27	0.2	0.0	5.4	0.0	0.0	1.0	11.7	2.6	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	6.2	0.0	9.7	0.0	0.0	0.0	0.0
29	0.0		5.5	0.0	0.0	1.6	0.0	0.6	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	12.7	9.3	11.8	0.0	0.0	0.0	0.0
31	0.0		24.7		0.0		22.6	1.3		-99		0.0

YEAR: 1992

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	11.0	2.0	1.0	0.0	3.7	6.2	3.0	0.0	0.0	0.0
2	0.0	0.0	0.0	4.0	0.0	1.4	8.2	0.7	2.8	15.6	0.0	0.0
3	0.0	6.0	0.0	2.0	0.0	0.0	7.2	35.2	11.7	0.0	0.0	0.0
4	0.0	2.0	0.0	0.0	0.0	0.0	8.7	7.9	11.5	0.7	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	1.7	32.4	5.8	3.3	0.0	0.0	0.0
6	0.0	9.0	0.0	0.0	0.0	1.6	6.1	0.0	3.9	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	7.3	13.2	4.6	8.7	15.4	0.0	0.0
8	0.0	8.0	0.0	0.0	0.7	2.5	1.0	1.0	14.6	0.3	0.0	0.0
9	0.0	0.2	0.0	1.0	2.0	0.0	8.2	17.5	0.0	0.0	0.0	0.0
10	0.0	2.0	0.0	0.0	0.0	0.0	0.0	17.2	19.5	32.4	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	9.2	4.5	3.8	0.0	2.2	0.0
12	0.0	0.0	0.0	0.0	2.0	0.0	6.7	0.6	13.4	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	1.8	1.3	17.8	2.5	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.5	21.9	2.5	24.6	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.6	2.8	3.6	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	2.2	2.6	0.7	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	1.7	0.7	2.9	7.6	0.0	0.0	0.0

18	0.3	0.0	0.0	0.0	0.0	0.0	0.0	7.1	4.2	0.0	0.0	0.0
19	5.0	0.0	0.0	0.0	10.0	0.0	23.6	11.0	17.6	0.0	0.0	0.0
20	0.0	0.0	0.0	0.8	0.0	0.0	0.7	1.2	1.2	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	2.5	2.8	1.8	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	1.4	15.2	31.2	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	23.0	0.0	0.0	4.9	5.3	0.0	0.0	0.0	0.0
24	0.0	0.8	0.0	2.0	0.3	0.0	3.5	2.5	0.0	0.0	0.0	0.0
25	3.0	0.0	0.0	2.0	24.0	1.6	3.0	0.8	0.0	0.0	0.0	0.0
26	5.0	0.0	0.0	5.0	15.0	0.0	0.0	14.1	0.0	0.0	0.0	0.0
27	1.0	0.0	1.0	17.0	0.0	12.8	44.3	3.8	0.0	0.0	0.0	0.4
28	0.0	0.0	3.0	0.0	0.0	4.0	8.9	8.4	3.1	0.0	0.0	0.0
29	0.0	0.0	14.0	0.0	0.0	24.9	4.8	3.4	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	13.7	0.0	0.0	0.0	0.0	0.0	0.0
31	0.2		6.0		0.0		9.2	4.0		0.0		0.0

YEAR: 1993

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.8	19.0	0.0	10.6	0.0	0.0
2	0.0	0.0	0.0	0.0	7.3	1.2	4.9	5.4	28.6	0.0	0.0	0.0
3	0.0	1.2	0.0	9.8	0.6	0.0	6.7	1.6	4.8	0.3	0.0	0.0
4	0.0	1.6	0.0	0.6	4.9	8.7	0.0	0.2	10.0	0.3	0.0	0.0
5	0.0	0.3	0.0	13.3	0.3	16.7	8.4	7.4	18.3	0.0	0.0	0.0
6	0.0	1.5	9.7	0.0	0.0	18.0	8.6	40.6	5.0	0.0	0.0	0.0
7	0.0	0.0	0.0	2.1	2.0	17.0	0.0	1.4	2.0	0.0	0.0	0.0
8	0.0	3.5	0.0	0.0	9.5	0.7	5.7	0.0	2.3	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	1.5	17.6	0.0	2.6	0.0	0.0	0.0
10	0.0	16.5	0.0	0.0	0.0	20.3	4.6	8.1	16.3	0.0	0.0	0.0
11	0.0	23.4	0.0	0.0	0.0	0.1	1.6	20.6	4.5	0.0	0.0	0.0
12	0.0	0.0	0.0	3.6	3.0	0.0	0.0	5.5	0.7	0.0	0.0	0.0
13	0.8	0.0	0.0	4.1	4.6	0.0	0.0	8.0	2.4	0.0	0.0	0.0
14	0.0	0.0	0.0	7.1	0.0	8.0	0.4	11.0	6.9	0.0	0.0	0.0
15	0.3	0.0	0.0	3.7	0.6	0.0	0.4	0.0	0.3	0.0	0.0	0.0
16	0.2	0.0	0.0	20.2	0.0	1.0	0.7	1.8	11.6	0.0	0.0	0.0
17	0.0	0.0	0.0	5.5	0.0	1.2	17.4	7.5	0.4	0.0	0.0	0.0
18	0.0	0.0	1.9	0.0	0.1	0.0	14.3	9.6	3.1	0.0	0.0	0.0
19	0.0	0.0	0.0	20.5	0.1	4.5	7.0	16.4	0.0	5.1	0.0	0.0
20	0.0	0.0	0.0	5.6	0.0	0.0	12.6	9.7	0.0	0.1	0.0	0.0
21	0.0	0.0	0.0	18.1	0.5	8.4	4.2	23.1	0.1	0.0	0.0	0.0
22	0.0	0.0	0.0	1.2	33.9	0.0	1.8	18.4	6.5	0.0	0.0	0.0
23	0.0	2.3	0.0	2.5	9.8	0.7	20.6	6.5	13.6	0.0	0.0	0.0
24	5.6	0.0	0.0	0.0	0.0	3.9	24.5	0.4	5.3	5.9	0.0	0.0
25	4.6	0.4	0.0	24.0	3.0	9.5	0.5	5.6	1.4	1.8	0.0	0.0
26	0.0	0.0	0.0	9.0	0.1	5.4	9.0	8.6	0.3	0.0	0.0	0.0
27	0.0	1.4	0.0	16.1	0.0	7.5	16.0	0.0	39.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.8	0.0	18.5	1.6	3.8	0.0	0.0	0.0
29	0.2		0.0	1.3	6.2	8.9	1.2	0.6	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	1.6	10.8	1.0	32.3	0.4	0.0	0.0	0.0
31	0.0		0.0		2.6		0.5	14.6		0.0		0.0

YEAR: 1994

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	12.4	0.0	3.0	2.2	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	4.4	4.4	4.8	19.3	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	9.4	0.0	0.4	0.2	0.0	0.0	0.0
4	0.0	0.0	1.4	0.0	0.0	0.0	1.4	8.6	24.4	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	38.4	0.0	0.5	0.0	0.0	0.0

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
6	0.0	0.0	0.0	0.0	0.0	1.4	0.0	5.4	11.1	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	14.4	6.0	0.0	0.0	0.0	0.0
9	0.0	0.0	5.4	0.0	0.0	5.4	38.4	0.0	0.0	0.0	9.6	0.0
10	0.0	0.0	0.0	0.0	2.4	1.4	0.0	5.4	0.0	0.0	0.0	0.0
11	0.0	0.0	1.4	0.0	25.4	0.0	7.4	5.3	0.0	0.0	0.0	0.0
12	0.0	0.0	23.4	0.0	0.0	6.4	5.4	0.7	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	15.4	0.0	11.6	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	8.4	3.8	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	8.4	3.4	11.2	1.7	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	2.4	14.0	16.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	3.4	5.4	1.4	0.2	3.4	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	3.4	9.4	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	1.4	2.4	1.2	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	10.4	24.4	13.1	3.0	0.0	1.4	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.8	4.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	13.4	0.8	11.3	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	20.4	1.7	15.9	0.0	0.0	0.0
24	0.0	0.0	12.4	6.4	0.0	4.4	0.0	1.2	0.0	0.0	0.0	0.0
25	0.0	0.0	7.4	5.4	0.0	11.4	10.4	11.0	0.0	0.0	0.0	0.0
26	0.0	0.0	3.4	8.4	0.0	2.4	21.4	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.1	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	1.4	1.4	9.1	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	1.4	4.4	24.2	0.0	0.2	0.0	0.0
30	0.0		0.0	5.4	0.0	11.4	2.4	-99	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		8.1	25.5		0.0		0.0

YEAR: 1995

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.9	4.2	0.0	0.0	3.9	9.3	-99	-99	-99	-99
2	0.0	0.0	0.0	3.6	0.0	0.0	0.5	4.7	-99	-99	-99	-99
3	0.0	0.0	0.0	11.7	0.0	0.0	0.0	4.8	-99	-99	-99	-99
4	0.0	0.0	0.0	0.0	0.0	0.0	2.0	13.5	-99	-99	-99	-99
5	0.0	0.0	3.2	3.7	0.0	0.0	0.0	4.8	-99	-99	-99	-99
6	0.0	0.0	0.0	3.7	0.0	1.6	3.7	17.8	-99	-99	-99	-99
7	0.0	17.7	4.4	0.4	9.4	0.0	6.7	2.6	-99	-99	-99	-99
8	0.0	0.7	0.2	0.0	11.2	0.0	4.2	34.0	-99	-99	-99	-99
9	0.0	0.3	0.0	4.5	0.0	0.0	0.0	1.6	-99	-99	-99	-99
10	0.0	0.0	32.9	0.0	0.0	0.0	31.2	19.5	-99	-99	-99	-99
11	0.0	28.7	0.0	0.0	5.7	7.9	11.2	11.5	-99	-99	-99	-99
12	0.0	0.0	0.0	0.0	6.5	0.0	3.5	2.4	-99	-99	-99	-99
13	0.0	0.0	1.3	39.7	0.0	0.0	5.6	12.6	-99	-99	-99	-99
14	0.0	25.3	0.0	2.2	0.0	0.0	6.9	25.3	-99	-99	-99	-99
15	0.0	0.0	0.2	11.6	2.1	0.0	0.8	1.0	-99	-99	-99	-99
16	0.0	0.0	0.0	18.5	0.0	0.0	14.2	13.5	-99	-99	-99	-99
17	0.0	0.0	0.0	1.3	9.6	2.8	0.0	7.2	-99	-99	-99	-99
18	0.0	0.0	0.0	0.5	1.2	0.0	13.0	2.4	-99	-99	-99	-99
19	0.0	0.0	18.5	0.0	1.6	2.7	0.2	0.0	-99	-99	-99	-99
20	0.0	0.0	13.4	0.0	0.0	0.0	0.9	3.3	-99	-99	-99	-99
21	0.0	0.0	1.3	5.8	0.0	4.8	4.4	3.9	-99	-99	-99	-99
22	0.0	0.0	0.0	0.2	0.0	2.2	6.5	5.5	-99	-99	-99	-99
23	0.0	0.0	0.2	0.0	0.0	0.0	12.8	0.0	-99	-99	-99	-99
24	0.0	0.0	0.0	5.9	0.0	7.1	5.5	13.6	-99	-99	-99	-99
25	0.0	0.0	0.0	8.7	0.0	6.6	3.3	5.4	-99	-99	-99	-99
26	0.0	0.0	0.0	1.5	0.0	13.0	13.5	0.0	-99	-99	-99	-99
27	0.0	7.7	0.0	0.0	0.0	0.0	0.0	19.2	-99	-99	-99	-99
28	0.0	0.0	0.0	0.0	1.8	0.7	0.0	5.6	-99	-99	-99	-99
29	0.0		0.0	0.0	10.3	0.0	4.6	5.5	-99	-99	-99	-99

| 30 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.4 | 2.8 | 2.4 | -99 | -99 | -99 | -99 |
| 31 | 0.0 | | 0.0 | | 0.0 | | 0.1 | 0.0 | | -99 | | -99 |

NOTE:- -99 -> ALL Data Missing
() -> Observation days (when incomplete)
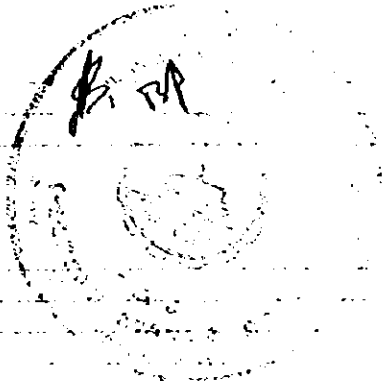
STATION ID: 38090011   STATION NAME: A.A. Obs.   REGION: SHEWA   ELEMENT: DAILY HEAVIEST FALL
LAT: 9.00   LONG: 38.42   ALT: 2364

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL/OBS.DATE MNTH
1994	0.0	0.0	40.2	35.6	41.3	15.8	57.0	26.4	32.5	0.5	13.3	0.0	57.0 19/JUL 12
1995	0.0	36.6	18.8	46.3	36.3	31.9	18.5	85.3	-99	-99	-99	-99	85.3 8/AUG 8

EXTR:	0.0	36.6	40.2	46.3	41.3	31.9	57.0	85.3	32.5	0.5	13.3	0.0	85.3
DATE:	1/94	8/95	13/94	14/95	10/94	29/95	19/94	8/95	4/94	14/94	9/94	1/94	8-AUG-95
NYRS:	2	2	2	2	2	2	2	2	1	1	1	1	

NOTE:- -99 -> ALL Data Missing
        () -> Observation days (when incomplete)

Aug. 26 1994   A.A. Bole

H. in 10 min = 2.2 mm.
H in 20 min = 5.2 mm
H in 30 min = 7.2 mm
H in 1 hr. = 7.2 mm

Aug. 8   1995
= 14.8 mm
= 14.8 mm
= 14.8 mm
= 14.8 mm

Aug 8 1995   OBS. A.A

H. in 10 min   = 9.0 mm
               = 18.0 mm
               = 24.6 mm
               = 24.0 mm

Aug 26 1994 = 6.0 mm
             = 1.8 mm
             = 9.8 mm
             = 9.8 mm

3-13-8

Station Name A.A. Obs (Addis Ababa Observatory)
Year 1995
Date

Date	June	July	August
1	0.4	16.3	23.9
2	0.0	1.5	9.7
3	0.0	0.5	3.3
4	0.0	5.0	17.6
5	0.0	1.9	1.0
6	0.0	9.3	11.5
7	0.0	12.7	0.6
8	0.0	7.0	85.3 ←
9	0.0	0.4	1.9
10	0.0	10.5	18.4
11	9.6	7.6	11.3
12	0.0	3.8	0.0
13	0.0	2.1	6.9
14	0.0	6.2	14.5
15	0.0	1.6	0.2
16	0.7	6.0	1.3
17	1.8	4.6	8.3
18	9.3	13.1	25.0
19	0.0	0.2	0.0
20	7.7	2.0	0.0
21	1.6	9.5	4.6
22	4.1	3.5	8.4
23	0.9	18.5	0.7
24	6.7	3.1	15.2
25	4.8	7.3	2.4
26	16.6	14.1	23.2
27	4.3	0.1	3.5
28	1.0	4.8	0.3
29	31.9	0.3	14.3
30	1.5	6.1	1.6
31		10.6	0.0

3/13/87

STATION ID: 38090362   STATION NAME: A.A Bole(B.le Airport)   REGION: HEWA   ELEMENT: Daily Rainfall
LAT: 9.02   LONG: 38.45   ALT: 2354

YEAR: 1986

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	4.2	1.1	0.0	0.1	0.0	7.5	0.0	20.5	0.0	0.0
2	0.0	0.5	3.0	98.1	0.0	2.4	5.4	8.3	0.1	0.3	0.0	0.0
3	0.0	0.0	18.4	31.5	0.0	0.0	1.1	5.2	0.7	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	8.0	0.0	0.8	0.0	0.0	6.2	0.0	0.0
5	0.0	0.0	0.0	7.4	0.1	0.3	23.2	3.2	11.7	0.0	0.0	0.0
6	0.0	4.7	0.0	1.6	0.0	3.8	7.1	1.2	1.9	0.0	0.0	0.0
7	0.0	0.0	0.0	16.8	0.0	10.5	2.5	4.7	22.7	0.0	0.0	2.5
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.2	15.7	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	1.1	0.2	4.5	4.4	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	9.7	3.5	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.1	14.6	0.2	0.8	3.4	0.0	0.0	0.0
12	0.0	0.0	0.0	0.5	0.0	0.0	2.3	3.9	0.0	0.0	0.0	0.0
13	0.0	6.4	0.0	11.2	5.3	17.0	0.0	10.2	0.3	0.0	0.0	0.0
14	0.0	0.2	0.0	8.2	2.6	1.0	4.5	6.1	3.0	0.0	0.0	0.0
15	0.0	0.1	0.0	0.0	0.2	9.8	0.8	24.8	4.4	0.0	0.0	0.0
16	0.0	1.6	0.9	0.0	0.0	9.0	1.0	13.0	1.3	0.0	0.0	0.0
17	0.0	0.4	0.0	0.0	0.7	13.1	0.0	4.1	1.5	0.0	0.0	0.0
18	0.0	3.5	30.3	14.9	1.4	7.7	1.1	12.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	3.9	0.0	0.0	11.9	2.4	0.0	0.4	0.0	0.0
20	0.0	0.2	0.0	0.0	3.5	3.5	35.7	12.8	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	2.0	2.7	0.0	6.2	6.6	16.4	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	20.9	5.0	0.3	0.8	4.2	0.0	0.0
23	0.0	1.2	0.0	0.0	0.0	0.0	4.4	24.7	0.0	0.0	0.0	0.0
24	0.0	1.2	0.0	2.5	0.0	30.0	3.7	5.6	0.0	0.0	0.0	0.0
25	0.0	24.0	0.0	5.6	0.0	0.0	2.4	0.6	0.0	0.0	0.0	0.0
26	0.0	0.4	0.0	0.0	0.0	2.2	0.1	3.3	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.7	11.1	10.6	0.0	0.0	0.0	0.0	0.0
28	0.0	0.7	0.0	4.1	0.0	5.0	2.2	16.8	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	6.7	32.8	4.2	19.1	-99	0.0	0.0
30	0.0		0.3	9.2	0.0	1.9	0.0	11.5	0.0	0.0	0.0	0.0
31	0.0		0.5		3.1		2.7	3.8		0.0		0.0

YEAR: 1987

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	1.7	0.0	8.7	8.7	3.6	0.0	0.0	0.0	0.0
2	0.0	0.0	4.5	0.0	0.0	1.6	0.0	0.0	0.0	3.9	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	3.8	0.0	1.8	2.1	5.4	6.0	3.0	0.0	0.4
5	0.0	0.0	0.0	0.3	0.0	3.0	4.0	0.0	0.0	2.1	0.0	0.0
6	0.0	0.0	1.1	0.0	0.0	3.6	22.8	8.5	9.5	0.0	0.0	0.0
7	0.0	0.0	33.4	43.9	0.0	6.8	4.7	0.0	1.7	0.0	0.0	0.0
8	0.0	0.0	18.2	5.2	0.0	4.5	5.6	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.8	1.5	3.3	14.1	0.0	3.8	0.0	0.0	0.0
10	0.0	0.0	3.3	14.1	0.0	8.4	4.4	5.6	0.0	7.6	0.0	0.0
11	0.0	0.0	24.0	0.0	0.0	4.3	3.5	15.0	15.4	0.0	0.0	0.0
12	0.0	20.0	0.0	14.8	0.0	14.5	0.0	0.0	6.1	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	1.0	14.6	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	1.1	0.0	4.5	1.5	27.4	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	45.4	0.0	0.0	1.0	6.0	7.2	1.6	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	1.7	1.8	0.0	0.0	0.0	0.0	0.0

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
18	0.0	0.0	0.0	0.9	0.0	0.7	0.0	32.3	0.0	0.0	0.0	0.0
19	0.0	9.2	5.1	0.0	0.0	0.0	0.5	13.5	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	45.8	5.5	0.0	1.5	0.0	0.0	0.0	0.0
21	0.0	2.1	0.7	0.0	13.5	0.4	7.9	2.3	5.4	0.0	0.0	0.0
22	0.0	2.4	0.2	0.0	15.4	0.0	8.6	8.7	5.2	0.0	0.0	0.0
23	0.0	2.2	0.0	0.0	41.2	1.0	12.4	6.5	4.2	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	45.1	0.0	23.9	0.9	1.1	0.0	0.0	0.0
25	0.0	0.0	3.9	0.0	0.8	0.0	18.2	0.0	0.2	0.3	0.0	0.0
26	0.0	0.5	0.0	0.0	0.0	0.0	3.6	0.7	0.0	2.1	0.0	0.0
27	0.0	0.0	10.0	0.0	18.2	0.1	1.4	9.5	0.0	0.0	0.0	0.0
28	0.0	3.6	12.3	0.0	2.3	1.0	12.3	0.8	0.0	0.0	0.0	0.0
29	0.0		1.1	0.0	1.8	0.0	5.2	14.9	1.5	0.0	0.0	0.0
30	0.0		0.6	0.0	0.0	16.7	3.6	0.0	0.5	0.0	0.0	0.0
31	0.0		16.3		23.9		15.7	0.0		0.0		0.0

YEAR: 1988

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	1.9	0.3	0.0	0.9	8.1	0.5	17.6	1.7	0.0	0.0	0.0
2	0.4	0.0	2.7	0.0	0.0	6.2	13.3	13.0	5.3	7.9	0.0	0.0
3	0.0	0.0	1.2	0.0	0.0	6.4	13.6	24.9	14.8	0.4	0.0	0.0
4	0.0	0.0	1.1	0.0	0.8	6.2	13.7	15.2	2.1	0.0	0.0	0.0
5	0.0	0.0	0.0	5.3	0.0	6.1	1.4	1.4	0.9	0.0	0.0	0.0
6	1.9	0.0	0.0	0.3	0.0	0.8	0.6	0.4	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.6	8.8	0.0	4.9	0.0	0.0	0.0
8	0.0	3.3	0.0	10.0	0.0	0.8	22.4	6.7	4.4	0.0	0.0	0.0
9	0.0	3.2	0.0	0.0	0.0	0.0	13.4	15.3	16.4	0.0	0.0	0.0
10	0.0	18.8	0.0	15.4	0.0	0.0	6.5	8.3	11.6	0.0	0.0	0.0
11	0.0	0.0	0.0	14.7	0.0	3.5	8.0	13.2	3.4	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	5.3	0.0	19.0	1.1	0.0	0.0	0.0	0.0
13	0.0	18.6	0.0	9.4	9.3	7.1	1.7	17.1	17.8	0.0	0.0	0.0
14	0.0	0.1	0.0	1.6	0.0	0.0	22.1	21.6	2.3	13.4	0.0	0.0
15	0.0	0.8	0.0	0.0	0.0	0.0	8.9	1.6	8.3	0.2	0.0	0.0
16	0.0	0.0	0.0	29.1	0.0	0.3	5.3	16.1	32.6	30.5	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	10.6	0.0	6.9	4.9	7.5	0.0	0.0
18	0.2	0.0	0.0	35.5	0.0	1.7	11.0	3.1	7.5	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	5.7	11.2	13.6	0.0	0.0	0.0
20	7.2	0.0	0.0	3.5	0.0	4.3	0.6	6.9	10.5	0.0	0.0	0.0
21	0.0	0.0	0.0	0.6	0.0	1.3	0.3	16.5	1.5	0.0	0.0	0.0
22	0.0	0.1	0.0	0.8	0.0	1.6	0.0	9.3	10.3	0.0	0.0	0.0
23	0.0	5.8	0.0	0.8	0.0	7.3	30.8	18.9	23.1	0.0	0.0	0.0
24	0.0	0.8	0.0	0.0	0.0	2.7	6.5	14.3	9.1	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	4.6	13.3	7.3	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	3.8	0.0	8.2	18.8	7.3	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	8.6	8.0	0.0	4.8	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.7	7.3	8.8	9.5	0.0	0.0	0.0
29	0.0	0.0	0.0	7.2	0.0	3.9	2.1	6.9	8.5	0.0	0.0	0.0
30	0.0		0.0	6.7	0.0	4.6	2.7	11.5	0.0	0.0	0.0	0.0
31	0.0		0.0		0.3		12.6	0.0		0.0		0.0

YEAR: 1989

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	9.5	7.2	37.5	0.0	0.0	0.0
2	0.0	0.0	0.0	2.7	0.0	0.0	10.0	9.5	21.1	0.0	0.0	0.0
3	0.0	13.5	0.0	0.7	0.0	0.0	5.2	4.1	5.5	0.0	0.0	0.0
4	0.0	4.9	0.0	0.0	0.0	0.0	1.2	18.1	0.7	0.0	0.0	0.0
5	0.0	24.3	0.0	0.0	0.0	0.0	9.8	1.6	1.1	0.0	0.0	0.0

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
6	0.0	20.3	0.0	0.0	0.0	0.0	3.2	16.9	0.5	0.0	0.0	0.0
7	0.0	0.6	0.0	0.4	0.0	1.5	17.0	0.0	29.6	0.0	0.0	0.0
8	0.0	11.1	0.0	7.7	0.0	16.5	40.8	1.1	8.2	0.0	0.0	0.3
9	0.0	1.2	0.0	0.0	0.0	16.3	10.7	10.2	4.5	0.0	0.0	0.0
10	0.0	0.0	0.0	0.8	0.0	11.0	0.0	6.7	3.3	0.0	0.0	0.2
11	0.0	0.0	0.0	0.8	0.0	1.1	3.2	5.1	0.9	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	4.6	45.5	0.7	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	2.6	17.0	22.0	7.2	0.0	0.0	0.0
14	0.0	0.0	6.9	0.0	0.0	0.0	7.6	3.2	10.4	0.0	0.0	0.0
15	0.0	0.0	2.7	0.0	0.0	6.9	5.1	0.8	7.8	0.0	0.0	0.0
16	0.0	0.0	14.0	0.0	0.0	0.0	9.7	10.6	7.2	0.0	0.0	2.2
17	0.0	0.0	1.2	0.0	0.0	1.4	4.6	5.3	8.0	0.2	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	1.9	19.0	3.2	5.0	0.0	0.0
19	0.8	0.0	0.0	18.6	0.0	0.0	0.0	2.3	0.0	9.3	0.0	0.0
20	0.0	0.0	0.0	3.2	0.0	0.0	15.8	5.1	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	8.6	0.0	0.0	49.2	29.4	2.8	0.0	0.0	0.0
22	0.0	0.0	0.0	34.6	0.5	10.7	2.2	12.3	0.0	0.0	0.0	0.0
23	0.0	0.0	1.3	26.6	0.0	0.4	4.1	0.0	12.3	0.0	0.0	0.0
24	0.0	0.0	0.0	39.4	0.0	3.0	4.1	6.4	4.1	0.0	0.0	0.0
25	0.0	0.0	0.0	2.3	0.0	0.0	5.9	8.1	0.2	0.0	0.0	4.9
26	0.0	0.0	0.0	3.5	0.0	15.3	5.9	27.5	0.5	0.0	0.0	0.0
27	0.0	0.0	0.0	3.7	0.0	3.3	1.5	2.7	8.8	0.0	0.0	0.0
28	0.0	0.0	41.6	0.0	0.0	18.0	10.8	30.1	2.3	0.0	0.0	0.0
29	0.0		4.3	0.0	0.0	0.7	34.1	6.9	0.6	0.0	0.0	0.0
30	0.0		3.7	0.0	0.0	7.6	17.2	13.6	0.0	0.0	0.0	0.0
31	0.0		0.8		0.0		5.9	28.8		0.0		0.0

YEAR: 1990

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	13.5	0.0	4.4	0.0	13.4	0.7	14.3	1.3	4.3	0.0	0.0
2	0.0	0.7	6.0	7.7	0.0	2.7	1.8	7.2	6.3	11.9	0.0	0.0
3	0.0	0.0	0.0	4.6	0.0	7.3	3.0	9.8	0.0	0.0	0.0	0.0
4	0.0	2.2	26.0	22.8	0.0	1.6	0.4	2.3	10.6	0.0	0.0	0.0
5	0.0	12.6	0.0	21.0	0.0	0.0	15.8	3.4	18.3	0.0	0.0	0.0
6	0.0	5.8	0.0	6.8	0.0	1.0	0.6	7.4	3.5	0.0	0.0	0.0
7	0.0	0.8	0.6	5.8	0.0	6.5	0.0	14.0	11.1	0.0	0.0	0.0
8	0.0	16.6	0.1	8.1	0.0	2.1	18.2	4.5	0.0	0.0	0.0	0.0
9	0.0	0.2	0.0	0.0	0.0	0.0	0.5	7.7	8.9	0.0	2.3	0.0
10	0.0	0.5	0.0	0.0	0.0	5.4	4.6	6.5	6.8	0.0	0.0	0.0
11	0.0	0.5	0.0	0.0	2.7	0.1	3.7	19.8	0.0	0.0	3.7	0.0
12	0.0	0.0	0.0	0.0	3.7	0.0	2.4	20.3	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.5	5.6	9.8	0.0	0.0	0.0
14	0.0	0.8	0.0	0.0	0.0	0.0	20.3	31.0	15.1	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	1.6	7.7	0.5	7.3	0.0	0.0	0.0
16	0.0	4.6	0.0	0.0	0.0	3.2	21.4	2.3	5.6	0.0	0.0	0.0
17	0.8	25.3	0.0	0.0	0.2	3.5	9.4	4.0	3.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	4.6	39.6	7.5	24.3	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	2.5	2.3	18.7	1.8	0.0	0.0	0.0
20	0.0	7.3	0.0	0.0	0.0	17.1	14.6	2.8	1.5	0.0	0.0	0.0
21	0.0	0.0	0.5	0.0	0.0	0.4	1.0	3.1	0.0	0.0	0.0	0.0
22	0.0	13.4	0.0	0.0	0.0	0.0	0.1	3.9	23.3	0.0	0.0	0.0
23	0.0	2.5	0.0	6.4	0.0	0.0	4.7	20.4	10.5	0.0	0.0	0.0
24	0.0	1.5	0.0	3.8	0.0	0.0	14.5	11.2	0.0	0.0	0.0	0.0
25	0.0	17.3	0.0	2.7	0.0	0.0	13.1	4.6	0.0	0.0	0.0	0.0
26	0.0	2.2	0.0	4.6	0.0	0.7	0.0	1.2	3.7	0.0	0.0	0.0
27	0.0	1.2	0.0	0.0	0.0	0.0	0.9	4.2	7.0	0.0	0.0	0.0
28	0.0	26.4	0.0	5.1	1.7	4.1	0.0	9.8	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.2	1.6	10.4	7.2	2.3	0.0	0.0	0.0

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
30	0.0		30.6	0.0	10.0	9.4	2.9	5.1	2.0	0.0	0.0	0.0
31	0.0		0.8		1.5		3.6	8.3		0.0		0.0

YEAR: 1991

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	8.0	0.0	0.0	12.1	20.5	10.1	0.0	0.0	0.0
2	0.0	0.0	0.0	0.3	0.0	0.1	22.3	5.0	14.7	0.0	0.0	0.0
3	0.0	0.0	0.0	21.2	0.0	2.3	9.2	0.2	0.6	0.0	0.0	5.3
4	0.0	0.0	0.0	0.0	0.0	0.0	15.0	25.9	15.1	0.0	0.0	0.0
5	0.0	0.0	0.5	0.0	0.0	0.0	18.3	33.4	9.5	3.0	0.0	0.0
6	0.0	0.0	15.5	0.1	47.3	0.0	23.0	0.3	0.0	0.4	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	12.1	6.4	17.3	0.0	0.0	0.0
8	0.0	0.0	1.3	0.0	0.0	0.0	7.6	0.0	3.3	0.0	0.0	0.0
9	0.0	5.7	12.5	0.0	0.0	0.0	2.2	18.5	3.2	0.0	0.0	0.0
10	0.0	2.1	3.6	0.0	0.0	26.1	6.9	1.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.8	0.0	0.0	15.9	0.0	10.4	21.4	0.0	0.0	0.0
12	0.0	6.5	41.2	0.0	0.0	3.2	0.0	2.0	6.4	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.8	1.9	2.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	3.9	14.0	0.0	0.0	0.0	0.0	0.0
15	0.0	9.8	0.0	0.0	0.0	0.0	6.8	21.3	0.9	0.0	0.0	0.0
16	0.0	7.3	0.0	0.0	0.0	0.0	1.7	18.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	3.9	4.0	1.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	26.7	0.0	1.6	0.0	0.0	0.0
19	0.0	0.3	0.0	0.0	1.3	9.7	15.0	5.9	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	8.4	0.3	13.9	0.0	0.0	0.0	0.0
21	0.0	5.6	0.0	0.0	2.4	23.9	8.1	7.1	2.0	0.0	0.0	44.3
22	0.0	0.0	0.0	0.0	4.3	13.6	3.6	5.2	9.1	0.0	0.0	0.4
23	0.0	4.3	0.0	5.1	0.0	8.5	4.5	3.8	0.0	0.0	0.0	0.0
24	0.0	12.1	15.6	0.0	0.0	0.0	2.9	4.2	5.1	0.0	0.0	0.0
25	0.0	0.0	4.8	0.0	0.0	30.0	0.0	7.3	0.0	0.0	0.0	0.0
26	8.3	15.8	8.0	0.0	0.0	21.7	4.4	8.1	0.0	0.0	0.0	0.0
27	0.0	0.0	0.2	0.0	0.0	2.2	20.2	6.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	13.5	2.2	12.5	0.0	0.0	0.0	0.0
29	0.0		2.6	0.0	0.0	5.2	0.0	0.4	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	2.1	0.3	14.1	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		3.7	1.2		0.0		0.0

YEAR: 1992

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	13.2	4.4	2.2	6.5	8.2	9.4	2.6	0.0	0.0	0.0
2	0.0	0.0	0.0	3.3	0.0	1.6	1.3	2.6	1.6	1.0	0.0	0.0
3	0.0	21.0	0.0	4.4	10.4	0.0	12.1	12.1	10.1	0.0	0.0	0.0
4	0.0	2.2	0.0	0.0	0.0	0.0	19.2	5.8	32.3	0.0	0.0	0.0
5	0.0	0.4	0.0	0.0	0.0	11.5	21.3	7.9	3.0	3.1	0.0	0.0
6	0.0	0.2	0.0	0.0	0.0	6.5	14.8	21.5	5.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	1.0	5.4	15.3	8.3	11.4	12.6	0.0	0.0
8	0.0	6.8	0.0	0.2	6.0	2.8	11.8	0.8	20.2	0.2	0.0	0.0
9	0.0	2.8	0.0	0.0	2.7	5.4	2.1	23.9	1.3	0.0	0.0	0.0
10	0.0	0.3	0.0	0.0	0.0	1.2	0.0	10.9	4.3	51.4	0.0	0.0
11	0.0	0.0	0.0	0.0	2.9	1.6	12.7	8.4	3.3	0.2	0.0	0.0
12	0.0	0.0	0.0	0.0	0.3	0.0	0.7	1.4	0.6	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	2.9	0.8	3.9	45.4	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	2.3	13.4	5.3	8.2	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.7	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	9.0	0.0	3.2	1.7	2.3	0.0	1.2	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.8	5.7	0.2	0.0	0.0	0.0

Date	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
18	0.0	0.0	0.0	0.0	0.0	0.0	2.6	28.3	12.5	0.0	0.0	0.0
19	5.1	0.0	0.0	0.0	7.5	0.7	19.8	14.9	43.7	0.0	0.0	0.0
20	0.0	0.0	0.0	1.6	0.0	0.0	1.1	4.1	3.7	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.3	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	1.6	15.4	23.3	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	2.6	14.5	5.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	5.1	1.9	0.0	2.8	12.1	0.0	0.0	0.0	0.0
25	5.8	0.0	0.0	6.0	10.2	5.6	2.9	0.0	0.0	0.0	0.0	0.0
26	3.3	0.0	0.0	3.0	6.9	8.2	0.0	20.5	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	2.9	0.0	4.5	17.3	10.3	0.0	0.0	0.0	2.5
28	0.6	0.0	0.0	0.0	0.0	14.4	1.0	10.5	0.0	0.0	0.0	0.4
29	5.3	0.0	3.2	0.9	0.0	13.4	5.0	2.8	0.0	0.0	0.0	0.0
30	0.0		0.5	0.2	0.0	7.2	0.0	11.9	0.0	0.0	0.0	0.0
31	1.1		3.3		0.0		23.6	15.9		0.0		0.0

YEAR: 1993

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	10.4	16.6	0.2	14.9	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	3.6	27.6	8.0	14.8	0.0	0.0	0.0
3	0.0	5.2	0.0	7.4	1.8	0.0	0.9	7.4	10.6	0.1	0.0	0.0
4	0.0	5.3	0.0	7.1	0.0	15.0	1.3	15.6	16.5	1.4	0.0	0.0
5	0.0	3.1	0.0	5.7	0.0	9.8	7.1	16.0	26.6	0.0	0.0	0.0
6	0.0	17.8	12.5	0.0	0.0	22.0	9.8	32.1	6.7	0.0	0.0	0.0
7	0.0	4.1	0.0	16.2	0.0	5.0	0.0	1.1	0.0	1.2	0.0	0.0
8	0.0	4.8	0.0	0.0	13.7	13.6	2.4	0.0	1.5	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	23.2	13.1	0.0	0.8	0.0	0.0	0.0
10	0.0	10.7	0.0	0.0	0.0	8.4	3.8	1.0	3.2	0.0	0.0	0.0
11	0.0	13.9	0.0	0.0	0.0	0.6	1.2	16.9	5.7	0.0	0.0	0.0
12	0.0	0.8	0.0	7.2	7.0	0.0	4.6	19.5	8.8	0.0	0.0	0.0
13	0.0	0.0	0.0	6.2	9.1	0.0	0.4	10.7	3.5	4.0	0.0	0.0
14	0.4	0.0	0.0	15.5	0.2	0.6	1.9	23.3	10.3	0.0	0.0	0.0
15	0.0	0.0	0.0	0.9	1.6	0.5	0.0	0.0	0.8	0.0	0.0	0.0
16	0.0	0.0	0.0	14.1	0.0	0.0	1.1	18.5	11.4	0.0	0.0	0.0
17	0.0	0.0	0.0	4.2	0.0	0.0	19.8	3.3	3.4	0.0	0.0	0.0
18	0.0	0.0	3.6	0.0	0.0	0.0	26.1	22.1	15.2	0.0	0.0	0.0
19	0.0	0.0	0.0	17.8	0.5	2.6	6.8	6.8	1.4	2.6	0.0	0.0
20	0.0	0.0	0.0	1.8	0.0	0.6	15.6	15.2	0.0	1.5	0.0	0.0
21	0.0	0.0	0.0	1.5	21.9	19.6	4.9	18.9	1.8	2.5	0.0	0.0
22	0.0	0.0	0.0	3.4	0.5	0.0	0.0	48.1	1.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	14.7	0.8	39.3	12.1	21.2	5.3	0.0	0.0
24	7.8	0.3	0.0	0.0	0.7	2.4	11.8	0.0	11.2	24.7	0.0	4.5
25	0.1	0.0	0.0	5.5	19.5	6.2	1.6	46.4	38.5	3.9	0.0	0.0
26	0.0	1.2	0.0	0.0	0.0	13.3	17.5	12.6	1.2	0.0	0.0	0.0
27	0.0	0.0	0.0	42.8	0.0	1.4	16.5	1.5	21.5	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	2.2	0.0	22.7	1.2	0.9	0.0	0.0	0.0
29	0.0		0.0	0.6	0.7	53.5	1.6	10.8	0.1	0.0	0.0	0.0
30	0.0		0.0	0.0	1.4	5.6	3.9	14.2	1.5	0.0	0.0	0.0
31	2.5		0.0		1.7		0.6	21.1		0.0		0.0

YEAR: 1994

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	4.6	9.6	3.6	23.0	8.7	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	2.0	6.7	24.6	9.5	0.0	0.0	0.0
3	0.0	0.0	1.3	0.0	0.0	3.3	5.5	5.9	8.4	0.0	0.0	0.0
4	0.0	0.0	0.0	3.3	0.0	13.6	1.7	7.2	22.5	0.0	0.0	0.0
5	0.0	0.0	1.4	5.5	0.0	1.8	53.6	3.6	2.2	0.0	0.0	0.0

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
6	0.0	0.0	0.0	0.0	0.0	2.5	0.0	3.6	0.9	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	5.0	3.0	0.4	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	35.2	2.0	0.0	0.0	0.0	0.0
9	0.0	0.0	11.9	0.0	0.0	2.8	21.0	4.2	0.0	0.0	13.3	0.0
10	0.0	0.0	0.0	0.0	41.3	2.1	0.3	5.7	0.0	0.0	0.0	0.0
11	0.0	0.0	2.0	0.0	9.3	2.5	1.1	8.4	0.3	0.0	0.0	0.0
12	0.0	0.0	40.2	0.0	0.0	15.8	4.3	0.1	0.3	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	5.9	0.3	11.5	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.2	0.7	3.9	0.0	0.5	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	6.5	3.1	12.1	3.5	0.0	0.0	0.0
16	0.0	0.0	0.0	8.7	6.6	8.2	0.8	1.7	1.2	0.0	0.0	0.0
17	0.0	0.0	0.0	35.6	0.0	1.2	5.2	0.9	7.4	0.0	0.0	0.0
18	0.0	0.0	0.0	9.8	1.0	0.5	16.3	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.3	0.0	0.0	57.0	0.0	0.9	0.0	0.0	0.0
20	0.0	0.0	0.0	11.8	0.0	13.3	4.4	2.9	13.1	0.0	1.2	0.0
21	0.0	0.0	0.0	0.8	0.0	0.0	0.8	14.7	4.5	0.0	0.2	0.0
22	0.0	0.0	0.9	0.0	0.0	0.0	16.8	4.2	16.0	0.0	0.0	0.0
23	0.0	0.0	1.4	0.0	0.0	1.6	9.4	0.9	31.9	0.0	0.0	0.0
24	0.0	0.0	12.7	1.9	0.0	1.3	2.8	3.9	0.0	0.0	0.0	0.0
25	0.0	0.0	6.5	2.2	0.0	1.9	4.3	0.4	0.0	0.0	0.0	0.0
26	0.0	0.0	4.1	3.9	0.0	15.2	25.9	23.8	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	1.4	2.2	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	2.4	0.5	5.3	0.0	0.0	0.0	0.0
29	0.0		0.0	2.3	0.0	0.8	27.4	3.4	0.0	0.0	0.0	0.0
30	0.0		0.0	1.5	0.0	6.7	4.0	26.4	0.0	0.0	0.0	0.0
31	0.0		0.0		0.5		7.0	16.4		0.0		0.0

YEAR: 1991

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.4	16.3	23.9	-99	-99	-99	-99
2	0.0	0.0	0.0	0.0	0.0	0.0	1.5	9.7	-99	-99	-99	-99
3	0.0	0.0	0.0	0.7	0.0	0.0	0.5	3.3	-99	-99	-99	-99
4	0.0	0.0	0.0	9.1	0.0	0.0	5.0	17.8	-99	-99	-99	-99
5	0.0	0.0	0.0	1.6	2.4	0.0	1.9	1.0	-99	-99	-99	-99
6	0.0	0.0	0.0	1.5	0.0	0.0	9.3	11.5	-99	-99	-99	-99
7	0.0	0.0	0.0	10.3	0.0	0.0	12.7	0.6	-99	-99	-99	-99
8	0.0	36.6	7.6	2.3	0.0	0.0	7.0	85.3	-99	-99	-99	-99
9	0.0	2.4	1.3	0.0	0.0	0.0	0.4	1.9	-99	-99	-99	-99
10	0.0	0.0	0.0	1.1	0.0	0.0	10.5	18.4	-99	-99	-99	-99
11	0.0	0.0	12.9	14.5	0.0	9.0	7.6	11.3	-99	-99	-99	-99
12	0.0	0.0	0.0	0.0	36.3	0.0	3.8	0.0	-99	-99	-99	-99
13	0.0	2.8	0.0	0.0	0.0	0.0	2.1	6.9	-99	-99	-99	-99
14	0.0	0.0	0.0	46.3	0.0	0.0	6.2	14.5	-99	-99	-99	-99
15	0.0	26.2	0.0	1.5	2.6	0.0	1.6	0.2	-99	-99	-99	-99
16	0.0	1.0	0.0	4.1	0.0	0.7	6.0	1.3	-99	-99	-99	-99
17	0.0	0.0	0.0	5.8	2.8	1.8	4.6	8.3	-99	-99	-99	-99
18	0.0	0.0	0.0	0.0	10.8	9.3	13.1	25.0	-99	-99	-99	-99
19	0.0	0.0	0.0	1.1	3.5	0.0	0.2	0.0	-99	-99	-99	-99
20	0.0	0.0	0.9	0.0	0.9	7.7	2.0	0.0	-99	-99	-99	-99
21	0.0	0.0	18.8	0.0	0.0	1.6	9.8	4.6	-99	-99	-99	-99
22	0.0	0.0	0.0	15.5	0.0	4.1	3.5	8.4	-99	-99	-99	-99
23	0.0	0.0	0.7	0.0	0.0	0.9	18.5	0.7	-99	-99	-99	-99
24	0.0	0.0	0.0	36.8	0.0	6.7	3.1	15.2	-99	-99	-99	-99
25	0.0	0.0	0.0	3.8	0.0	4.8	7.3	2.4	-99	-99	-99	-99
26	0.0	0.0	0.0	16.4	0.0	16.6	14.1	23.2	-99	-99	-99	-99
27	0.0	0.0	0.0	1.3	0.0	4.3	0.1	3.5	-99	-99	-99	-99
28	0.0	3.0	0.0	0.0	0.1	1.0	4.8	0.3	-99	-99	-99	-99
29	0.0		0.0	0.0	7.0	31.9	0.0	14.3	-99	-99	-99	-99

| 30 | 0.0 | | 0.0 | 0.7 | 1.2 | 1.5 | 6.1 | 1.6 | -99 | -99 | -99 | -99 |
| 31 | 0.0 | | 0.0 | | 0.0 | | 10.6 | 0.0 | | -99 | | -99 |

NOTE:- -99 -> ALL Data Missing
() -> Observation days (when incomplete)

STATION ID: 38090362   STATION NAME: A.A Bole (Bole Airport)   REGION: SHEWA   ELEMENT: DAILY HEAVIEST FALL
LAT: 9.02   LONG: 38.45   ALT: 2354
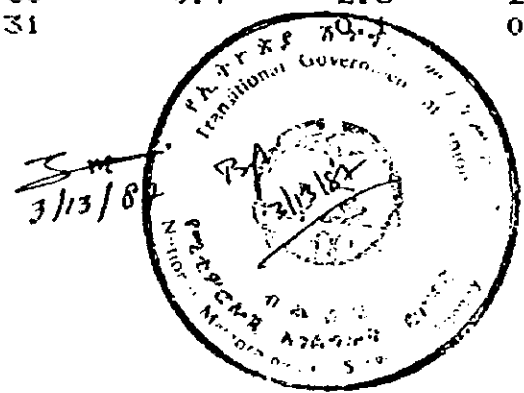
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL/OBS.DATE	MNTH
1994	0.0	0.0	23.4	8.4	25.4	15.4	38.4	25.5A	24.4	0.2	9.6	0.0	38.4	5/JUL 12
1995	0.0	28.7	32.9	39.7	11.2	13.0	31.2	34.0	-99	-99	-99	-99	39.7	13/APR 8

EXTR:	0.0	28.7	32.9	39.7	25.4	15.4	38.4	34.0	24.4	0.2	9.6	0.0	39.7
DATE:	1/94	11/95	10/95	13/95	11/94	13/94	5/94	8/95	4/94	29/94	9/94	1/94	13-APR-95
NYRS:	2	2	2	2	2	2	2	2	1	1	1	1	

NOTE:- -99 -> ALL Data Missing
       () -> Observation days (when incomplete)

3-14-8
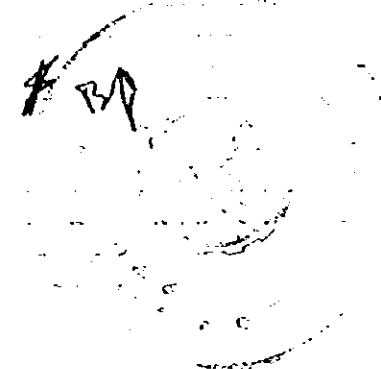
Station Name A, A, Bole (Bole Airport)

Year 1995

Date

	June	July	August
1	0.0	3.9	9.3
2	0.0	0.5	4.7
3	0.0	0.0	4.8
4	0.0	2.0	13.5
5	0.0	0.0	4.8
6	1.6	3.7	17.8
7	0.0	6.7	2.6
8	0.0	4.2	34.0
9	0.0	0.0	1.6
10	0.0	31.2	19.5
11	7.9	11.2	11.5
12	0.0	3.5	2.4
13	0.0	5.6	12.6
14	0.0	6.9	25.3
15	0.0	0.8	1.0
16	0.0	14.2	13.5
17	2.8	0.0	7.2
18	0.0	13.0	2.4
19	2.7	0.2	0.0
20	0.0	0.9	3.3
21	4.8	4.4	3.9
22	2.2	6.5	5.5
23	0.0	12.8	0.0
24	7.1	5.5	13.6
25	6.6	3.3	5.4
26	13.0	13.5	0.0
27	0.0	0.0	19.2
28	0.7	0.0	5.6
29	0.0	4.6	5.5
30	0.4	2.8	2.4
31		0.4	0.0

3/13/8

3-14-9

STATION ID: 38090511   STATION NAME: ILCA (H.Q)   REGION: SEWA   ELEMENT: Daily Rainfall
LAT: 9.00   LONG: 38.45   ALT: 2380

YEAR: 1982

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.8	0.0	0.0	0.0	0.0	0.0	2.6	13.4	3.6	11.2	0.0	0.3
2	0.0	0.0	0.0	0.0	0.0	0.0	3.2	5.4	26.3	4.7	0.0	0.3
3	0.0	0.0	5.1	0.2	0.0	1.8	9.7	8.4	24.1	2.2	0.0	0.0
4	0.0	0.0	0.6	2.8	0.0	0.0	5.7	2.4	0.2	6.8	0.6	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.9	6.2	3.5	4.3	0.0
6	0.0	0.0	0.0	0.0	0.2	1.4	13.8	3.3	6.5	6.5	7.0	0.0
7	0.0	0.0	0.0	0.3	8.1	0.0	13.1	10.1	0.0	0.0	1.0	0.0
8	0.0	0.8	0.0	0.8	1.5	0.3	0.4	14.6	0.2	0.0	2.3	0.0
9	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.3	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	4.4	0.0	1.0	5.1	16.9	0.0	12.1	0.0
11	0.0	22.9	0.0	12.0	7.0	0.0	4.2	4.8	21.4	0.0	0.1	2.8
12	1.2	2.8	0.0	12.5	8.2	0.0	0.2	9.4	0.6	0.0	0.0	0.0
13	15.7	7.6	0.0	0.0	7.0	2.6	1.9	5.5	32.1	0.0	0.0	0.0
14	0.0	9.2	0.0	0.0	9.0	5.1	3.7	3.2	15.0	0.0	0.0	0.0
15	5.1	3.5	0.0	0.0	28.2	0.8	5.0	3.0	0.2	1.7	0.0	0.0
16	2.3	0.0	0.0	0.0	0.0	3.0	2.4	15.7	3.0	0.0	0.0	0.3
17	2.4	0.0	0.0	2.5	0.0	0.0	23.9	6.6	0.0	0.0	0.5	0.0
18	0.0	1.5	0.0	0.0	0.0	0.0	3.2	1.0	2.0	0.0	3.6	0.0
19	0.0	0.0	0.0	0.0	0.0	3.0	0.5	4.3	1.2	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	6.5	0.6	18.5	2.4	0.0	0.1	0.2
21	8.0	0.0	0.2	0.0	0.0	1.3	15.6	15.0	0.0	0.0	0.0	0.0
22	0.0	0.0	1.5	0.0	0.0	0.0	15.4	17.4	0.4	0.0	0.0	0.0
23	0.0	0.0	0.0	5.0	0.0	0.0	23.3	2.8	36.4	0.0	0.0	0.0
24	0.0	1.0	0.0	0.0	2.5	0.2	11.7	4.2	0.2	0.0	0.0	0.0
25	0.0	2.8	0.0	0.0	0.0	0.0	1.2	18.5	0.0	0.0	0.0	0.0
26	0.0	11.5	0.0	2.6	0.0	2.2	21.3	7.6	0.2	0.0	0.6	0.0
27	0.0	9.0	1.4	4.4	0.3	1.9	5.3	1.2	0.0	0.0	0.0	0.1
28	0.3	0.0	1.5	0.0	0.3	0.3	0.7	14.6	0.0	0.0	0.0	0.0
29	0.0		32.5	0.0	0.0	4.1	14.5	0.3	0.0	0.0	0.0	0.0
30	0.0		39.1	0.0	0.0	0.8	26.1	0.6	0.0	0.0	0.0	0.0
31	0.0		3.9		0.0		12.1	0.0		0.0		0.0

YEAR: 1983

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	7.1	0.0	0.5	0.6	9.7	0.1	0.5	0.5	0.0	0.0	0.0
2	0.0	0.3	0.0	22.8	1.4	0.9	0.0	1.0	10.6	0.0	0.0	0.0
3	0.0	1.3	0.0	0.2	0.0	0.3	0.0	17.0	13.4	0.0	0.0	0.0
4	0.0	0.0	0.0	10.6	0.0	2.9	0.0	0.2	0.1	0.0	0.0	0.0
5	0.0	0.0	0.0	0.2	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	16.0	0.0	0.1	0.0	1.2	9.3	0.8	0.0	0.0
7	0.0	0.0	0.0	0.1	0.0	0.0	8.6	23.6	0.0	1.2	0.0	0.0
8	0.0	5.2	0.0	13.4	0.0	0.0	4.2	0.5	0.2	0.0	0.0	0.0
9	0.0	2.2	0.0	1.4	0.0	0.0	0.0	4.2	32.0	0.0	0.0	0.0
10	0.0	0.0	0.0	3.4	0.0	0.0	0.0	15.0	15.2	0.0	0.0	0.0
11	0.0	0.5	0.0	0.0	0.0	0.0	2.7	40.0	0.0	0.0	0.0	0.0
12	0.0	0.0	1.5	0.0	0.0	0.0	2.4	7.5	9.2	0.0	0.0	0.0
13	0.0	0.0	1.8	6.4	0.5	0.0	7.5	4.5	10.0	0.0	0.0	0.0
14	0.0	0.4	37.5	0.0	6.8	0.0	0.3	24.0	2.2	0.0	0.0	0.0
15	0.0	0.0	0.0	15.5	1.2	0.0	25.0	0.0	0.1	0.0	0.0	0.0
16	0.0	0.0	0.0	22.1	22.0	0.0	3.3	5.4	5.5	0.0	2.0	0.0
17	0.0	0.2	0.0	5.0	6.6	3.5	8.5	42.2	5.5	18.0	0.0	0.0

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
18	0.0	0.0	0.0	0.0	31.5	2.2	7.3	5.7	5.2	0.5	0.0	0.0
19	0.0	3.8	0.0	0.0	32.8	10.5	15.7	0.2	11.0	5.0	0.0	0.0
20	0.0	0.1	0.0	0.0	0.3	1.5	3.1	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.4	0.0	0.0	7.3	5.2	0.0	0.0	0.0	0.0
22	0.0	0.0	0.9	0.4	3.5	0.8	2.5	1.6	0.0	0.0	0.0	0.1
23	17.0	0.0	0.0	1.2	58.1	0.0	25.3	26.4	0.0	0.0	0.0	0.0
24	0.1	0.0	1.6	0.0	5.3	0.0	9.2	5.4	0.6	0.0	0.0	0.0
25	0.0	0.0	55.1	0.0	0.8	0.0	1.1	9.7	19.0	0.0	0.0	0.1
26	0.0	0.0	0.0	2.7	15.7	1.0	5.5	11.0	0.3	0.0	0.0	0.0
27	0.0	0.0	5.4	0.0	7.5	7.3	23.3	3.8	1.6	0.0	0.0	0.0
28	0.0	0.0	3.8	9.0	0.0	0.8	20.0	27.7	2.2	0.0	0.0	0.0
29	0.0		7.2	0.0	18.0	18.4	21.0	7.7	0.2	0.0	0.0	0.0
30	0.0		2.7	0.0	25.0	3.0	7.5	11.0	0.4	0.0	0.0	0.0
31	5.1		0.3		10.1		14.6	1.6		0.0		0.0

YEAR: 1984

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.9	4.1	19.0	2.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	1.6	0.3	18.4	0.9	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	14.0	9.7	6.1	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	7.8	1.5	0.1	22.7	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	1.8	19.3	6.3	7.8	0.0	0.0	0.0
6	0.0	0.0	0.0	2.5	0.0	3.7	1.2	1.3	1.5	0.0	0.0	0.0
7	0.0	0.0	0.0	0.3	0.0	8.4	18.4	3.5	15.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.6	3.5	0.1	0.5	0.1	0.5	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.1	0.0	2.7	3.8	14.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	9.1	11.7	12.4	0.0	0.0	0.0	0.0	2.7
11	0.0	0.0	0.0	0.0	3.7	1.0	3.1	3.4	2.8	0.0	0.0	0.1
12	0.0	0.0	0.0	0.0	4.5	0.1	11.2	4.4	3.8	0.0	0.0	0.0
13	0.0	0.0	0.0	3.4	0.6	0.2	27.5	0.5	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	1.3	0.0	9.6	1.2	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	6.8	3.3	13.8	6.3	0.0	0.0	0.0
16	0.0	0.0	1.4	0.6	0.7	6.3	8.0	3.9	0.1	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	2.2	5.2	15.8	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	47.4	2.3	12.7	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	1.4	0.7	3.5	2.7	9.4	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	2.3	54.5	5.2	2.2	9.6	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	1.0	0.1	0.0	0.3	0.0	0.0	0.0
22	0.0	0.0	26.1	0.0	0.0	8.8	12.0	0.0	3.2	0.0	0.0	0.0
23	0.0	0.0	0.1	5.3	4.2	3.0	11.3	1.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	20.3	8.7	0.2	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	19.0	38.0	21.9	2.0	0.0	0.0	0.0	0.0
26	0.0	0.0	3.6	0.0	2.3	1.0	18.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	4.4	20.0	3.2	0.0	0.0	0.0	0.0
28	0.0	2.4	0.2	0.0	33.0	4.6	5.5	13.0	0.0	0.0	0.0	0.0
29	0.0	0.3	0.0	0.0	7.0	5.9	20.5	21.6	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	7.7	3.7	2.1	3.5	0.1	0.0	0.0	0.0
31	0.1		0.0		5.4		4.0	2.2		0.0		0.0

YEAR: 1985

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.2	0.0	0.0	0.2	3.4	1.3	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	37.5	4.0	16.0	2.1	0.0	0.0
3	0.0	0.0	0.0	4.4	0.0	0.0	2.2	16.1	3.8	8.2	0.0	0.0
4	0.0	0.0	0.0	0.0	2.4	0.0	0.0	21.9	0.8	0.0	0.0	0.0
5	0.0	0.0	0.0	6.7	27.7	0.0	8.5	2.3	9.8	1.5	0.0	0.0

6	0.0	0.0	0.0	0.0	11.2	0.0	0.0	0.9	8.8	2.3	0.0	0.0
7	0.0	0.0	0.0	0.0	25.3	0.1	1.0	13.1	10.6	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	15.0	12.7	5.7	15.1	4.6	22.8	0.0	0.0
9	0.0	0.0	0.0	0.1	30.5	0.5	3.1	1.2	6.4	0.2	0.0	0.0
10	0.0	0.0	0.0	8.6	0.1	0.0	6.0	17.5	6.1	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.9	0.1	5.3	19.2	8.9	0.0	0.0	0.0
12	0.0	0.0	0.0	7.0	0.0	2.9	4.5	1.5	0.1	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	3.5	17.2	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	1.4	0.0	0.3	10.4	8.5	12.6	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	1.8	2.6	7.4	1.3	0.4	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	3.5	3.2	19.0	0.4	0.1	0.0	0.0	0.0
17	0.0	0.0	1.8	0.1	0.4	5.5	0.8	31.0	6.6	0.0	0.0	0.0
18	0.0	0.0	0.2	0.1	0.0	4.0	6.3	3.8	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.3	20.2	8.7	0.0	0.0	0.0	0.0
20	0.0	0.0	0.4	13.1	0.0	9.7	0.4	7.8	10.7	0.0	0.0	0.0
21	0.0	0.0	0.0	2.2	0.0	11.6	0.5	8.0	24.3	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	8.1	0.2	3.6	4.0	0.0	0.0	0.0
23	0.0	0.0	0.0	19.4	0.0	3.2	5.8	26.1	2.5	0.0	0.0	0.0
24	8.6	0.0	0.0	0.3	0.0	1.4	7.0	0.1	0.0	0.0	0.0	0.0
25	1.8	0.0	1.7	2.5	0.0	7.3	10.7	22.2	4.4	0.0	0.0	0.0
26	18.8	0.0	2.1	8.0	0.0	2.9	1.2	1.0	0.0	0.0	0.0	0.0
27	0.0	0.0	1.5	9.1	0.0	6.4	10.7	2.6	0.0	0.0	0.0	0.0
28	0.0	0.0	0.5	25.0	0.0	9.3	16.0	1.0	0.0	0.0	0.0	0.0
29	0.0		0.0	1.3	0.0	1.0	13.5	3.1	0.0	0.0	0.0	0.0
30	0.0		0.1	0.0	0.0	0.2	5.4	3.8	0.0	0.0	0.0	0.0
31	0.0		15.5		0.0		15.0	14.2		0.0		0.0

YEAR. 1986

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	6.2	9.3	0.2	0.2	0.2	1.4	0.0	0.5	0.0	0.0
2	0.0	0.6	1.8	30.8	0.0	0.0	5.8	13.2	0.3	2.1	0.0	0.0
3	0.0	0.0	20.1	35.7	1.6	0.0	7.0	7.0	0.1	0.0	0.0	0.0
4	0.0	0.0	0.0	0.2	2.4	0.0	0.2	1.1	0.0	5.5	0.0	0.0
5	0.0	0.0	0.0	14.4	1.0	0.0	6.4	2.0	16.4	0.1	0.0	0.0
6	0.0	12.0	0.0	0.2	0.0	13.8	5.5	2.4	7.9	0.0	0.0	0.0
7	0.0	0.0	0.0	4.6	0.0	4.6	4.9	13.7	37.0	0.0	0.0	1.6
8	0.0	0.0	0.0	0.0	0.0	0.0	2.0	21.2	13.6	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	1.3	8.5	3.4	14.0	0.0	0.0	0.1
10	0.0	0.0	0.0	0.0	24.8	3.7	0.5	0.4	0.2	0.0	0.0	0.0
11	0.0	0.0	0.0	1.5	0.1	8.5	1.8	3.0	4.8	0.0	0.0	0.0
12	0.0	0.0	0.0	4.2	0.0	0.2	5.7	8.4	0.0	0.0	0.0	0.0
13	0.0	2.4	0.0	9.7	8.2	20.8	0.1	8.6	5.2	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	2.3	1.0	6.6	5.0	4.0	0.0	0.0	0.0
15	0.0	0.6	0.0	0.0	0.0	1.1	1.5	18.5	3.8	0.0	0.0	0.0
16	0.0	0.9	0.6	0.2	0.0	27.0	0.9	21.4	2.1	0.0	0.0	0.0
17	0.0	0.6	0.0	27.0	0.0	8.6	0.0	18.0	2.0	0.0	0.0	0.0
18	0.0	9.9	22.5	4.3	2.0	13.3	0.0	13.2	0.0	0.0	0.0	0.0
19	0.0	0.0	0.4	0.2	0.0	39.4	13.7	1.3	0.0	3.0	0.0	0.0
20	0.0	0.0	15.7	0.0	0.7	12.2	13.0	11.3	0.0	0.0	0.0	0.0
21	0.0	0.0	0.1	6.3	5.5	0.0	6.3	14.8	10.4	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	19.8	4.4	0.5	0.4	26.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	1.8	19.5	0.0	0.2	0.0	0.0
24	0.0	0.8	0.0	1.0	0.0	16.6	4.2	14.0	0.0	0.0	0.0	0.0
25	0.0	6.3	0.2	6.4	0.0	0.8	1.6	0.9	0.0	0.0	0.0	0.0
26	0.0	0.1	0.0	0.0	0.0	3.4	1.2	4.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.5	16.5	30.0	0.0	0.0	0.0	0.0	0.0
28	0.0	10.9	0.0	9.5	0.0	14.8	1.0	3.0	0.4	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	1.9	38.3	4.8	1.2	0.0	0.0	0.0

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
30	0.0		0.0	10.9	0.0	0.9	0.2	14.3	0.0	0.0	0.0	0.0
31	0.0		3.8		1.6		5.0	3.5		0.0		0.0

YEAR: 1987

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	6.3	0.0	5.6	4.4	0.9	0.0	4.8	0.0	0.0
2	5.7	0.0	17.6	0.0	0.0	0.1	0.4	1.0	0.0	0.0	0.0	0.0
3	0.5	0.0	0.1	2.5	0.0	0.0	0.3	4.7	7.0	3.8	0.0	0.0
4	0.0	0.0	1.1	0.4	0.0	0.5	0.8	1.2	0.2	13.7	0.0	0.0
5	0.0	0.0	18.0	4.0	0.4	7.0	10.7	12.0	31.5	0.1	0.0	0.0
6	0.0	0.0	17.4	29.5	1.0	3.8	11.0	1.7	4.2	0.0	0.0	0.0
7	0.0	0.0	36.0	0.2	0.8	1.5	3.3	5.3	0.1	0.0	0.0	0.0
8	0.0	0.0	0.6	0.2	9.4	1.2	13.3	12.7	2.1	0.0	0.0	0.0
9	0.0	0.0	12.2	13.4	1.0	1.2	2.2	6.4	0.0	4.7	0.0	0.0
10	0.0	0.0	35.9	0.1	1.1	4.8	10.2	16.0	8.6	1.2	0.0	0.0
11	0.0	15.0	0.1	14.6	0.2	1.2	0.1	2.9	3.0	0.0	0.4	0.0
12	0.0	0.2	0.0	0.3	0.0	1.5	10.1	0.1	0.0	0.0	0.0	0.0
13	0.0	0.0	19.1	5.4	0.0	3.9	3.5	42.4	4.4	0.0	0.0	0.0
14	0.0	0.0	0.2	0.0	0.0	0.0	3.4	0.3	0.4	0.0	0.0	0.0
15	0.0	0.1	24.9	0.0	0.0	0.1	8.6	5.4	2.2	0.0	0.0	0.0
16	0.0	0.0	0.1	0.0	0.0	0.2	5.4	1.1	0.0	0.0	0.0	0.0
17	0.0	0.0	6.5	0.0	0.0	0.0	13.3	2.3	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.8	0.6	6.4	0.0	0.0	0.0	0.0
19	0.0	0.4	3.5	0.1	0.0	0.0	2.6	5.5	0.0	0.0	0.0	0.0
20	0.0	0.7	0.0	0.0	7.9	0.0	0.3	1.0	0.3	0.0	0.0	0.0
21	0.0	1.1	0.5	0.0	39.7	0.0	5.5	11.1	0.0	0.0	0.0	0.0
22	0.0	5.0	0.0	0.0	13.0	4.8	15.5	1.3	2.8	0.0	0.0	0.0
23	0.0	0.1	0.0	0.0	42.0	0.1	8.2	3.5	4.1	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	30.7	1.8	6.6	1.2	1.8	0.0	0.0	0.0
25	0.0	0.0	5.0	0.0	0.5	0.1	13.3	0.1	0.3	0.7	0.0	0.0
26	0.0	1.6	1.6	0.0	0.1	0.1	5.5	1.7	0.0	0.4	0.0	0.0
27	0.0	0.0	12.0	0.0	25.8	0.0	0.1	19.0	0.0	0.0	0.0	0.0
28	0.0	8.6	31.6	0.0	5.8	3.0	17.4	0.8	0.0	0.2	0.0	0.0
29	0.0		1.7	0.0	0.0	1.1	8.8	11.2	0.0	0.0	0.0	0.0
30	0.0		0.2	0.0	0.0	7.0	1.4	0.1	1.1	0.0	0.0	0.0
31	0.0		2.3		16.9		6.2	0.0		0.0		0.0

YEAR: 1988

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.5	0.7	0.4	19.1	9.6	0.0	0.0	0.0
2	4.1	0.0	2.1	0.0	0.0	4.8	17.5	24.5	4.5	0.3	0.0	0.0
3	0.0	0.0	0.7	0.0	0.0	4.8	5.5	24.9	4.7	2.2	0.0	0.0
4	0.0	0.0	4.3	0.0	0.0	4.3	28.0	11.2	0.6	0.0	0.0	0.0
5	0.1	0.0	0.0	2.6	0.0	4.5	3.3	2.0	0.3	0.0	0.0	0.0
6	0.2	0.0	0.0	14.5	0.0	2.4	2.9	0.6	9.9	0.0	0.0	0.0
7	0.0	0.0	0.0	0.1	0.0	1.3	13.3	0.5	7.0	0.0	0.0	0.0
8	0.0	2.2	0.0	5.3	0.0	0.0	0.1	8.1	17.0	0.0	0.0	0.0
9	0.0	3.9	0.0	7.0	0.0	5.0	27.5	14.0	17.5	0.0	0.0	0.0
10	0.0	9.8	0.0	6.4	0.0	2.0	9.6	6.7	0.4	0.0	0.0	0.1
11	0.0	0.0	0.0	0.8	0.3	3.0	4.0	23.5	6.0	0.0	0.0	0.0
12	0.0	2.0	0.0	1.0	4.6	0.9	10.0	1.1	0.4	0.0	0.0	0.0
13	0.0	20.8	0.0	47.5	9.4	2.7	1.8	5.5	18.3	0.0	0.0	0.0
14	0.0	13.5	0.0	3.9	0.6	1.4	7.6	10.0	8.0	13.4	0.0	0.0
15	0.0	3.0	0.0	0.0	0.0	0.0	9.6	4.3	1.7	0.0	0.0	0.0
16	0.0	0.3	0.0	4.6	0.0	0.0	0.8	13.0	27.8	12.2	0.0	0.0
17	0.0	0.0	0.0	0.1	0.0	3.2	0.2	0.1	15.5	3.0	0.0	0.0

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
18	0.8	0.0	0.0	41.5	0.0	0.0	4.2	5.7	1.6	0.1	0.0	0.0
19	1.8	0.0	0.0	0.1	0.0	0.0	3.7	10.5	21.6	0.0	0.0	0.0
20	0.5	0.0	0.0	3.0	0.0	5.0	0.9	1.2	3.3	0.0	0.0	0.0
21	0.0	0.0	0.0	0.5	0.0	2.7	0.1	15.0	8.1	0.0	0.0	0.0
22	0.0	0.2	0.0	0.4	0.0	2.2	6.8	4.2	11.3	0.0	0.0	0.0
23	0.1	0.4	0.0	1.0	0.0	0.1	21.6	4.5	4.6	0.0	0.0	0.0
24	0.0	0.9	0.0	0.0	0.0	0.0	3.6	11.0	3.3	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	5.2	10.3	4.2	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	19.8	0.0	14.4	10.5	11.7	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.2	0.2	10.6	18.0	0.1	1.5	0.0	0.0	0.0
28	0.0	0.3	0.0	0.0	0.0	0.2	18.2	14.6	4.6	0.0	0.0	0.0
29	0.0	0.0	0.0	3.5	0.0	15.0	2.5	6.3	9.2	0.0	0.0	0.0
30	0.0		0.0	25.7	0.0	1.9	2.5	15.0	0.1	0.0	0.0	0.0
31	0.0		0.0		0.1		14.2	0.3		0.0		0.0

YEAR: 1989

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.1	0.0	0.0	7.5	1.5	1.1	0.0	0.0	0.0
2	0.1	0.0	0.0	2.5	0.0	0.0	7.5	14.7	9.0	0.0	0.0	0.0
3	0.0	21.0	0.0	0.8	0.0	2.4	9.0	4.2	2.4	0.0	0.0	0.0
4	0.0	0.3	0.0	0.0	0.0	0.0	2.5	6.7	2.5	0.0	0.0	0.0
5	0.0	13.0	0.0	0.0	0.0	0.0	8.8	2.3	0.6	0.0	0.0	0.0
6	0.0	10.2	0.0	0.0	0.0	0.0	1.2	13.7	1.9	0.0	0.0	0.0
7	0.0	4.7	0.0	9.7	0.0	3.2	8.3	0.3	4.3	0.0	0.0	0.3
8	0.0	30.4	0.0	9.2	0.0	12.4	9.0	1.0	13.4	0.0	0.0	0.0
9	0.2	0.2	0.0	0.4	0.0	1.2	16.0	9.0	7.8	0.0	0.0	0.5
10	0.0	0.0	0.0	1.8	0.0	7.2	0.1	4.3	1.4	0.0	0.0	0.0
11	0.0	0.0	0.0	0.4	0.0	7.8	1.5	11.0	1.2	0.0	0.0	0.0
12	0.0	0.0	0.0	0.3	0.0	1.3	14.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	15.8	14.2	14.9	1.5	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	3.4	4.0	12.1	0.0	0.0	0.0
15	0.0	0.0	4.4	0.0	0.0	0.3	8.4	2.2	9.3	0.0	0.0	0.0
16	3.5	0.0	8.1	0.0	0.0	0.0	6.8	12.2	2.9	0.0	0.0	1.5
17	5.0	0.0	2.0	0.0	0.0	1.6	0.2	2.0	14.0	0.0	0.0	0.0
18	0.0	0.0	1.7	5.0	0.0	0.0	1.0	13.8	6.1	4.9	0.0	0.0
19	0.6	0.0	0.1	10.3	0.0	0.0	0.2	1.0	0.0	11.5	0.0	0.0
20	0.0	3.5	1.7	0.4	0.0	0.0	12.5	7.7	0.0	0.0	0.0	0.0
21	0.0	0.0	0.8	8.7	0.0	3.3	13.9	13.9	0.0	0.0	0.0	0.0
22	0.0	0.0	3.1	8.7	0.0	7.3	2.4	7.9	0.0	0.0	0.0	0.0
23	0.1	0.0	0.0	22.0	0.0	1.9	4.0	0.0	4.2	0.0	0.0	0.0
24	0.1	0.0	0.0	15.5	0.0	2.6	5.6	14.6	2.5	0.0	0.0	0.0
25	0.0	0.0	3.1	7.2	0.0	0.1	6.9	14.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	39.0	0.0	0.8	5.3	15.2	1.8	0.0	0.0	0.0
27	0.0	0.0	0.0	14.5	0.0	0.5	4.6	9.2	13.5	0.0	0.0	0.0
28	0.0	0.0	30.2	0.2	0.0	6.6	13.6	13.2	2.8	0.0	0.0	0.0
29	0.0		6.2	0.0	0.0	22.7	4.1	5.3	1.5	0.0	0.0	0.0
30	0.0		5.0	0.0	0.0	4.8	6.6	3.2	0.0	0.0	0.0	0.0
31	0.0		0.1		0.0		14.3	27.3		0.0		0.0

YEAR: 1990

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	6.5	0.0	4.6	0.0	8.5	0.7	30.3	2.5	2.9	0.0	0.0
2	0.0	0.2	6.6	2.2	0.0	1.5	2.0	28.0	7.5	13.4	0.0	0.0
3	0.0	0.1	0.0	4.4	0.0	1.3	5.2	12.0	0.2	0.0	0.0	0.0
4	0.0	5.0	36.5	0.1	0.0	5.0	0.2	4.5	12.2	0.0	0.0	0.0
5	0.0	7.6	1.0	12.5	0.0	3.4	1.4	2.2	1.3	0.0	0.0	0.0

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
6	0.0	1.5	0.0	1.6	0.0	1.4	10.0	5.9	2.3	0.0	0.0	0.0
7	0.0	0.4	1.0	8.0	0.0	1.0	0.3	7.0	6.0	0.0	0.0	0.0
8	0.0	35.6	0.0	7.6	0.0	5.0	19.5	8.5	0.0	0.0	0.0	0.0
9	0.0	1.0	0.0	0.0	0.0	0.0	0.0	25.5	12.4	0.0	0.0	0.0
10	0.0	34.5	0.0	0.0	0.0	0.2	11.0	8.5	15.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	2.5	0.0	3.7	18.0	0.3	0.0	6.3	0.0
12	0.0	0.0	0.0	0.0	2.0	0.0	1.0	20.4	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	10.8	3.7	11.3	0.0	0.0	0.0
14	0.0	2.8	0.0	0.0	0.6	0.0	20.2	16.2	11.8	0.0	0.0	0.0
15	0.0	0.1	0.0	0.0	0.0	3.0	4.0	0.4	19.0	0.0	0.0	0.0
16	0.0	0.9	0.0	0.0	0.0	1.0	8.3	4.1	6.2	0.0	0.0	0.0
17	1.6	17.0	0.0	0.0	0.9	1.0	1.8	5.0	0.2	0.0	0.0	0.0
18	0.0	1.8	0.0	0.0	0.0	6.0	29.0	12.5	13.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	6.8	4.0	7.7	4.6	0.0	0.0	0.0
20	0.0	0.0	0.0	5.4	0.8	5.4	14.5	13.4	0.7	0.0	0.0	0.0
21	0.0	6.2	18.3	0.0	0.0	0.5	0.3	2.0	0.0	0.0	0.0	0.0
22	0.0	15.9	0.0	0.0	0.0	0.0	0.1	8.1	31.0	0.0	0.0	0.0
23	0.0	0.4	0.0	0.9	0.0	0.0	5.4	22.8	7.9	0.0	0.0	0.0
24	0.0	1.5	0.0	0.1	0.0	0.0	6.5	27.0	0.0	0.0	0.0	0.0
25	0.0	21.5	0.0	1.7	0.0	0.0	16.4	6.2	6.0	0.0	0.0	0.0
26	0.0	0.3	0.0	7.7	0.0	3.9	0.2	1.2	1.0	0.0	0.0	0.0
27	0.0	13.5	0.0	0.0	0.5	0.0	1.0	3.0	5.8	0.0	0.0	0.0
28	0.0	76.4	0.0	20.0	0.0	0.5	0.0	3.8	0.0	0.0	0.0	0.0
29	0.0		0.0	9.3	13.5	9.5	10.2	6.0	1.1	0.0	0.0	0.0
30	0.0		14.5	0.0	1.5	5.0	4.0	4.0	11.8	0.0	0.0	0.0
31	0.0		0.7		4.3		12.2	10.0		0.0		0.0

YEAR: 1991

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	6.1	0.0	0.0	5.3	21.0	6.7	0.0	0.0	0.0
2	0.0	0.0	0.0	6.2	0.0	0.0	10.8	5.0	12.2	0.0	0.0	0.0
3	0.0	0.0	0.0	1.4	0.0	0.0	4.6	0.0	0.4	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	9.4	12.8	13.3	0.0	0.0	2.8
5	0.0	0.0	0.5	0.0	0.0	0.0	9.5	31.7	0.3	6.1	0.0	0.0
6	0.0	0.0	23.0	0.0	27.7	0.0	20.1	0.8	0.0	0.2	0.0	0.0
7	0.0	0.0	0.0	0.0	0.1	0.0	38.8	5.3	26.0	0.0	0.0	0.0
8	0.0	0.0	7.7	0.0	0.0	0.0	5.0	0.9	0.2	0.0	0.0	0.0
9	0.0	23.3	0.0	0.0	0.0	0.0	2.2	14.5	8.1	0.0	0.0	0.0
10	0.0	2.5	5.4	0.0	0.0	6.3	5.3	2.2	0.0	0.0	0.0	0.0
11	0.0	0.1	2.0	0.0	0.0	11.0	0.1	9.1	23.5	0.0	0.0	0.0
12	0.0	5.3	18.4	0.0	0.0	5.3	0.8	0.3	7.3	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.1	0.8	1.6	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	4.0	17.1	0.0	0.0	0.0	0.0	0.0
15	0.0	0.7	0.0	0.0	0.0	0.0	4.4	28.8	0.0	0.0	0.0	0.0
16	0.0	0.6	0.0	0.0	0.0	0.0	4.2	5.5	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	9.8	2.0	3.2	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.2	4.1	0.0	0.0	0.0
19	0.0	1.5	0.0	0.0	0.0	2.4	20.7	2.2	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	6.5	0.0	11.8	0.0	0.0	0.0	0.0
21	0.0	1.0	0.0	0.0	0.0	14.0	25.7	12.7	0.2	0.0	0.0	40.9
22	0.0	0.0	0.0	0.0	0.0	24.0	6.0	18.6	13.0	0.0	0.0	0.0
23	0.0	2.2	14.9	4.1	0.0	8.9	0.9	2.8	0.0	0.0	0.0	0.0
24	0.0	3.2	1.1	0.0	0.0	0.0	2.2	8.3	5.4	0.0	0.0	0.0
25	0.0	0.0	0.5	0.0	0.0	11.5	0.0	14.1	0.0	0.0	0.0	0.0
26	0.0	4.0	1.7	5.5	0.0	5.1	6.2	13.0	2.5	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.7	18.6	6.2	0.0	0.0	0.0	0.0
28	0.0	0.0	6.2	0.0	0.0	24.0	0.3	2.8	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	4.2	0.0	0.6	0.0	0.0	0.0	0.0

30	0.0		0.0	0.0	0.0	3.3	0.0	18.4	0.0	0.0	0.0	0.0
31	0.0		34.0		0.0		6.2	6.8		0.0		0.0

YEAR: 1992

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.4	0.3	2.7	1.2	0.8	4.7	3.4	2.8	0.0	0.0	0.0
2	0.0	0.0	0.0	3.0	0.0	0.0	12.7	1.4	2.6	14.5	0.0	0.0
3	0.0	53.5	0.0	11.0	0.0	1.9	32.2	22.3	15.2	0.0	0.0	0.0
4	0.0	1.0	0.0	0.0	0.0	0.0	8.0	6.0	5.4	0.9	0.0	0.0
5	0.0	0.5	0.0	0.0	0.0	0.5	27.1	3.3	3.2	0.4	0.0	0.0
6	0.0	38.5	0.0	0.0	0.0	0.0	5.4	1.5	2.6	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	3.3	11.4	6.8	5.4	12.4	0.0	0.0
8	0.0	5.3	0.0	0.0	2.0	2.7	21.3	1.0	10.8	1.6	0.0	0.0
9	0.0	3.3	0.0	2.8	2.3	0.0	3.4	20.0	0.3	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.4	6.0	0.0	22.0	14.0	30.5	0.0	0.0
11	0.0	0.0	0.0	0.0	0.4	0.0	10.2	5.9	3.0	0.0	0.0	0.0
12	0.6	0.0	0.0	0.0	3.2	0.0	1.6	1.1	1.6	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	3.7	0.5	8.7	8.2	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.7	12.0	3.8	18.5	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	1.3	0.4	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.8	1.2	4.4	0.3	0.0	0.0	0.0
17	0.0	0.4	0.4	0.0	0.0	3.1	0.6	5.1	0.9	0.0	0.0	0.0
18	1.0	0.0	0.0	0.0	0.0	0.0	11.0	11.6	0.7	0.0	0.0	0.0
19	1.2	0.0	0.0	0.0	3.4	0.0	23.7	6.4	29.0	0.0	0.0	0.0
20	0.0	0.0	0.4	2.6	0.0	3.8	1.1	0.1	5.0	0.0	0.0	0.0
21	0.3	0.0	0.0	0.0	0.0	1.4	5.8	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	12.8	4.4	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	4.5	0.0	0.2	9.8	5.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	5.0	0.1	0.0	4.0	2.5	0.0	0.0	0.0	0.0
25	3.3	0.7	0.0	5.3	13.5	5.7	3.9	6.5	0.0	0.0	0.0	0.0
26	21.0	0.0	0.0	3.0	0.0	1.0	0.0	15.0	0.0	0.0	0.0	0.0
27	2.1	0.0	0.0	9.5	0.0	1.1	17.5	3.2	0.0	0.0	0.0	2.7
28	0.5	0.0	0.0	0.0	0.0	21.0	2.5	3.5	0.3	0.0	0.0	0.4
29	16.2	0.0	3.4	1.4	0.0	22.0	5.1	4.2	5.0	0.0	0.0	0.0
30	0.1		0.8	0.0	0.0	7.5	0.0	2.5	0.0	0.0	0.0	0.0
31	0.0		8.4		0.0		2.5	2.5		0.0		0.0

YEAR: 1993

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	-99	-99	-99	-99	-99	-99	-99
2	0.0	0.0	0.0	0.0	10.7	-99	-99	-99	-99	-99	-99	-99
3	0.0	0.0	0.0	7.0	0.0	-99	-99	-99	-99	-99	-99	-99
4	0.0	1.2	0.0	0.3	2.5	-99	-99	-99	-99	-99	-99	-99
5	0.0	0.0	0.0	16.2	0.5	-99	-99	-99	-99	-99	-99	-99
6	0.0	10.6	12.1	0.0	0.0	-99	-99	-99	-99	-99	-99	-99
7	0.0	3.6	0.0	3.5	0.0	-99	-99	-99	-99	-99	-99	-99
8	0.0	3.2	0.0	0.0	8.7	-99	-99	-99	-99	-99	-99	-99
9	0.0	0.2	0.0	0.0	0.0	-99	-99	-99	-99	-99	-99	-99
10	0.0	18.0	0.0	0.0	0.0	-99	-99	-99	-99	-99	-99	-99
11	0.0	36.7	0.0	0.0	0.0	-99	-99	-99	-99	-99	-99	-99
12	0.0	0.3	0.0	5.1	3.2	-99	-99	-99	-99	-99	-99	-99
13	0.0	0.0	0.0	4.0	4.4	-99	-99	-99	-99	-99	-99	-99
14	0.0	0.0	0.0	11.5	0.0	-99	-99	-99	-99	-99	-99	-99
15	0.0	0.0	0.0	7.3	3.0	-99	-99	-99	-99	-99	-99	-99
16	0.0	0.0	0.0	15.0	0.0	-99	-99	-99	-99	-99	-99	-99
17	0.0	0.0	0.1	7.7	0.0	-99	-99	-99	-99	-99	-99	-99

18	0.0	0.0	1.1	0.0	1.8	-99	-99	-99	-99	-99	-99	-99
19	0.0	0.0	0.0	18.7	1.6	-99	-99	-99	-99	-99	-99	-99
20	0.0	0.0	0.0	8.6	0.0	-99	-99	-99	-99	-99	-99	-99
21	0.0	0.0	0.0	11.7	19.0	-99	-99	-99	-99	-99	-99	-99
22	0.0	0.0	0.0	5.0	6.0	-99	-99	-99	-99	-99	-99	-99
23	0.0	0.0	0.0	0.0	7.5	-99	-99	-99	-99	-99	-99	-99
24	11.0	0.0	0.0	0.0	0.0	-99	-99	-99	-99	-99	-99	-99
25	1.2	0.0	0.0	9.1	0.1	-99	-99	-99	-99	-99	-99	-99
26	0.0	0.0	0.0	2.2	0.2	-99	-99	-99	-99	-99	-99	-99
27	0.0	0.0	0.0	7.6	0.0	-99	-99	-99	-99	-99	-99	-99
28	0.0	0.0	0.0	0.0	7.8	-99	-99	-99	-99	-99	-99	-99
29	0.0		0.0	1.5	0.0	-99	-99	-99	-99	-99	-99	-99
30	8.0		0.0	0.0	2.0	-99	-99	-99	-99		-99	-99
31	0.0		0.0		6.8		-99	-99			-99		-99

NOTE: -99 -> ALL Data Missing
        () -> Observation days (when incomplete)

AUTOMATIC RECORDING CHART

OF
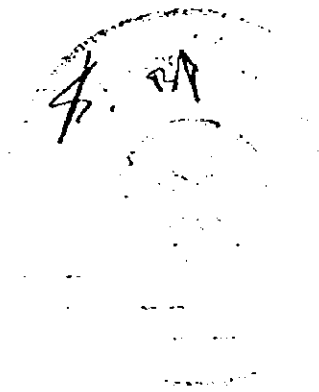
STORM RAINFALL (19 AUGUST 1978)

AT

ADDIS ABABA OBSERVATORY

AND

BOLE INTERNATIONAL AIRPORT

Automatic Recording Chart of Storm Rainfall
19 August 1978

Addis Ababa Obs.

1-hour Rainfall   : 63.1 mm

24-hour Rainfall   : 93.5 mm
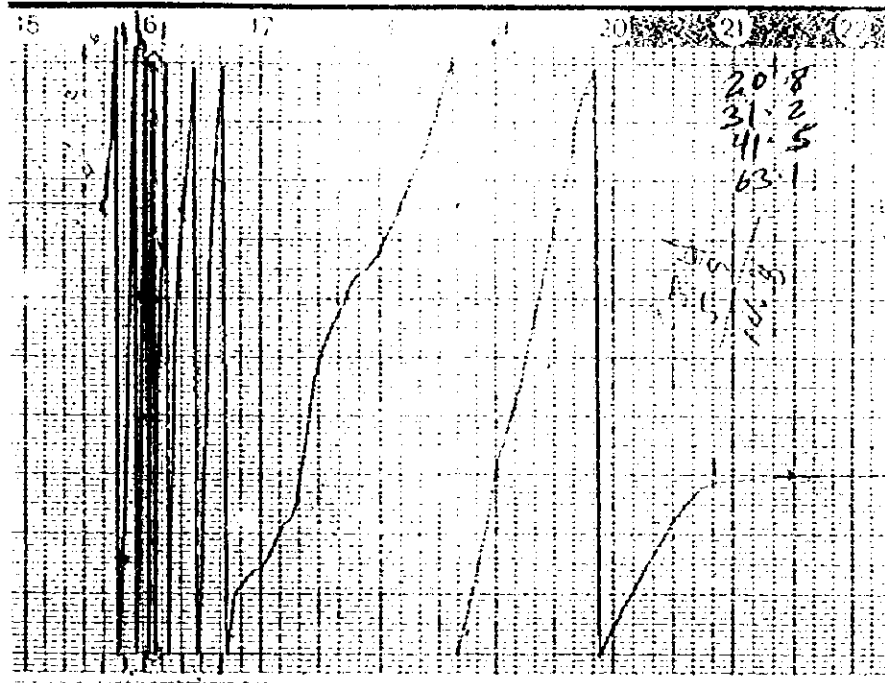
Bole

1-hour Rainfall   : 28.0 mm

24-hour Rainfall   : 51.6 mm