



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: KOKA DAM Wereda Awraja Region SHOA
 Alt. 1720 M Long. Lat. Element DAUCY R FALL Year 1997

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0		8.2	0.0	0.0	3.1	15.8	1.2	0.0	18.6	
2	0.0	0.0		1.5	0.0	0.3	0.0	6.7	0.4	0.0	TR	
3	0.0	0.0		0.0	0.0	1.9	32.5	56.3	0.0	0.0	0.0	
4	0.0	0.0		0.0	0.0	1.8	11.7	0.0	0.0	0.0		
5	0.0	0.0		0.0	0.0	0.0	1.0	0.0	0.0	0.0		
6	0.0	0.0		0.0	0.0	1.3	0.0	3.5	0.0	0.0		
7	0.0	0.0		0.0	3.5	0.0	17.1	0.9	0.0	0.0		
8	0.0	0.0	G	0.0	2.5	TR	1.7	0.3	0.0	0.0		
9	0.0	0.0	N	16.1	0.0	TR	43.1	0.0	0.0	0.0		
10	0.0	0.0	-	0.0	0.0	1.8	0.1	24.5	0.0	0.0		
	0.0	0.0	S	25.8	6.0	7.1	117.3	166.0	1.6	0.0		
11	0.0	0.0	A	0.0	0.0	0.0	0.0	TR	0.0	0.0		
12	0.0	0.0	W	0.0	0.0	0.0	0.0	0.0	TR	0.0		
13	0.0	0.0	R	0.0	0.0	0.0	0.5	0.0	0.9	0.0		
14	0.0	0.0		0.0	0.0	7.1	0.0	25.4	0.0	0.0		
15	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.4	0.0		
16	0.0	0.0		0.0	1.6	39.0	1.2	0.3	0.0	0.0		
17	0.0	0.0		0.0	1.5	0.0	0.0	7.1	0.0	0.0		
18	0.0	0.0	0	0.0	0.5	0.0	0.0	0.0	6.7	0.0		
19	15.4	0.0	2	0.0	0.0	41.9	0.0	0.0	0.0	0.0		
20	10.3	0.0		0.0	0.0	0.0	5.9	10.7	1.3	1.1		
	25.7	0.0		0.0	3.6	88.0	7.6	113.5	9.3	1.1		
21	TR	0.0	0.0	0.0	0.0	11.2	13.1	6.1	0.0	39.4		
22	0.0	0.0	0.0	0.0	0.0	12.0	0.2	10.1	0.7	0.1		
23	0.0	0.0	2.9	1.7	0.0	0.2	0.0	0.0	0.0	4.5		
24	0.0	0.0	1.7	0.3	0.0	0.0	6.9	0.0	0.9	0.5		
25	0.0	0.0	35.2	0.0	0.0	4.2	20.7	21.9	0.0	0.7		
26	0.0	0.0	0.0	0.0	0.0	0.0	2.6	53.2	0.0	6.6		
27	0.0	0.0	1.7	0.0	0.0	1.6	19.9	0.0	0.0	0.1		
28	0.0	0.0	0.0	11.5	0.0	0.4	0.0	4.4	0.0	1.5		
29	0.0		0.0	0.0	0.0	0.0	23.6	10.6	19.2	0.9		
30	0.0		0.0	0.0	0.8	15.7	0.0	0.0	19.8	8.6		
31	0.0		0.0		0.3		0.0	1.4		2.6		
Sum	0.0	0.0	41.5	13.5	1.1	50.3	86.0	107.7	40.6	60.5		
M. Sum	25.7	0.0	41.5	39.3	10.7	145.4	210.9	259.2	51.5	66.1		
Mean												
Hig.	15.4		35.2	16.1	3.5	41.9	43.1	56.3	19.2	39.4		
Date	19		25	9	7	19	9	3	29	21		
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: MEIKH KUNTIRE Wereda Awraja Region Sh. O. G.
 Alt. Long. Lat. Element Daily Rainfall Year 1977

Dec	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	21.5	2.5	0.0	10.0	0.0	0.0	27.0	1.0	2.0	0.0	1.0	0.0
2	0.0	0.0	0.0	1.2	2.5	0.0	0.0	36.5	0.0	1.3	0.0	0.0
3	0.0	0.0	0.0	0.0	11.5	0.0	0.0	14.5	1.5	5.7	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	5.5	0.0	0.0	0.0
5	0.0	0.0	0.0	4.3	10.5	0.0	27.0	31.5	0.5	0.0	0.0	0.0
6	0.0	0.0	0.0	42.0	11.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
7	0.0	2.0	0.0	0.0	0.0	0.0	12.4	0.0	4.5	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	3.5	0.0	13.2	2.0	0.0	0.0	0.0
9	0.0	10.0	0.0	0.0	0.0	11.0	3.0	7.4	4.3	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	11.5	4.5	4.3	2.7	0.0	0.0	0.0
	21.5	14.5	0.0	57.5	35.5	26.0	73.9	114.4	25.0	7.5	1.0	0.0
11	0.0	0.0	0.0	2.6	0.0	0.0	7.7	4.4	0.0	4.2	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	10.5	4.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	1.3	0.0	0.0	0.0
14	4.0	0.0	0.0	2.8	0.0	0.0	41.3	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	20.5	2.0	5.3	5.8	0.0	0.0	0.0
16	7.0	0.0	0.0	0.0	0.0	12.0	10.1	0.6	1.5	6.5	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	4.3	1.0	0.0	2.0	0.0	0.0	0.0
18	20.6	0.0	0.0	0.0	0.0	10.8	0.0	3.2	5.0	0.0	0.0	0.0
19	2.0	0.0	0.0	0.0	0.0	3.0	6.5	14.2	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	6.0	6.5	4.7	0.0	0.0	0.0	0.0
	33.6	0.0	0.0	5.4	0.0	56.6	91.1	36.4	15.6	10.2	0.0	0.0
21	0.0	0.0	3.8	0.0	0.0	7.0	11.5	0.0	0.0	0.0	1.2	0.0
22	0.0	0.0	2.6	0.0	1.0	6.0	18.8	0.0	2.6	0.0	0.0	0.0
23	0.0	5.0	3.0	0.0	7.3	0.0	5.8	4.0	0.6	6.3	0.0	0.0
24	11.2	0.0	0.0	0.0	11.3	0.0	2.5	8.5	0.0	44.4	0.0	0.0
25	17.0	0.0	0.0	0.0	0.0	0.0	16.8	0.0	0.0	2.4	0.0	0.0
26	15.0	0.0	12.5	10.0	0.0	19.0	2.3	7.2	0.0	21.5	0.0	0.0
27	0.0	0.0	0.0	8.0	2.4	0.0	26.0	15.7	0.0	46.0	0.0	0.0
28	2.7	0.0	3.5	6.3	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	11.0	0.0	0.0	0.0	16.0	0.0	0.0
30	0.0		0.0	5.3	0.0	0.0	3.5	1.3	0.0	10.5	0.0	0.0
31	0.0		7.0		0.0		0.0	3.9		1.0		0.0
Sum	45.9	5.0	32.4	29.6	22.0	45.3	87.2	45.6	2.6	148.1	1.2	0.0
M. Sum	101.0	19.5	32.4	92.5	57.5	127.9	252.2	196.4	43.2	166.3	2.2	
Mean												
Htg.	21.5	10.0	12.5	42.0	11.5	23.5	44.3	36.5	5.8	46.0	1.2	
Date	1	9	26	6	3	15	15	3	15	3	31	
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: MELIKH KUNTIRE Wereda Avraja Region Shoa

Alt. Long. Lat. Element Daily Rainfall Year 1975

STATION NUMBER 0278

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0	0.0	0.0	0.0	4.0	0.0	2.3	12.0	11.1	10.5	0.0	0.0	
2	0.0	0.0	33.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3	0.0	0.0	21.0	0.0	6.0	0.0	0.8	0.0	6.8	0.0	0.0	0.0	
4	0.0	0.0	6.5	0.0	0.0	0.0	1.0	17.5	12.7	0.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	0.0	0.0	5.3	2.5	0.0	8.0	0.0	0.0	
6	0.0	0.0	1.2	29.0	0.0	0.5	8.0	19.0		0.0	0.0	0.0	
7	0.0	0.0	0.0	2.0	0.0	3.0	1.0	18.0		0.0	0.0	0.0	
8	0.0	0.0	0.0	0.5	7.6	2.2	3.7	12.0		0.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0		0.0	0.0	0.0	
10	0.0	0.0	3.4	0.0	0.0	0.0	11.2	0.0		0.0	0.0	0.0	
	0.0	0.0	65.6	31.5	17.6	5.7	37.8	81.0	30.6	18.5	0.0	0.0	
11	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	13.5	0.0	0.0	0.0	
12	0.0	1.5	0.0	0.0	5.7	0.0	1.0	3.0	3.0	0.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	5.5	0.0	0.5	2.5	9.8	14.0	0.0	0.0	0.0	
15	0.0	2.5	0.0	2.3	0.0	22.5	4.0	10	0.0	0.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.5	0.0	0.0	0.0	
17	0.0	0.0	0.0	0.0	0.0	0.5	0.0	24.7	3.5	0.0	0.0	0.0	
18	2.0	0.0	0.0	0.0	0.0	0.3	7.0	0.0	0.0	0.0	0.0	0.0	
19	0.0	11.0	0.0	0.0	0.0	0.0	11.2	9.8	0.0	0.0	0.0	0.0	
20	0.0	3.5	1.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	
	2.0	18.5	1.0	7.8	5.7	35.0	27.7	54.3	34.5	0.0	0.0	0.0	
21	0.0	4.5	2.0	0.0	0.0	0.0	2.0	2.5	13.0	0.0	0.0	0.0	
22	0.0	0.0	0.0	0.0	0.0	2.4	23.4	13.5	4.7	0.0	0.0	0.0	
23	0.0	1.5	0.0	0.0	0.0	16.0	5.5	0.0	0.0	0.0	0.0	0.0	
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	
25	0.0	16.7	0.0	0.0	0.0	3.5	11.0	0.0	0.0	0.0	0.0	0.0	
26	0.0	0.0	0.0	0.0	0.0	0.0	7.5	16.5	0.0	0.0	0.0	0.0	
27	0.0	2.8	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	
29	0.0		0.0	0.0	0.0	40.0	5.0	0.0	0.0	0.0	0.0	0.0	
30	0.0		0.0	21.1	0.0	11.8	5.5	0.0	9.5	0.0	0.0	0.0	
31	0.0		0.0		0.0		6.5	0.0		0.0		0.0	
Sum	0.0	25.5	21.0	21.1	0.0	89.7	66.4	41.0	29.2	0.0	0.0	0.0	
M. Sum	2.0	44.0	68.6	60.4	23.3	130.4	131.9	176.3	92.3	18.5			
Mean													
Htg.	2.0	16.7	33.5	29.0	7.6	40.0	23.4	24.7	13.5	10.5			
Date	18	25	2	6	8	29	22	17	11	1			
Low													
Date													



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: MELKA KUNTRE Wereda Avraja _____ Region SHON
 Alt. _____ Long. _____ Lat. _____ Element Daily Rain fall year 1979

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	3.8	0.0	0.0	19.7	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	2.0	0.0	0.0	16.8	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	1.0	3.5	0.0	0.0	2.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	14.9	0.0	5.0	16.1	5.2	0.0	0.0	0.0
9	0.0	0.0	0.0	12.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	1.2	0.0	0.5	10.8	8.5	6.5	0.0	0.0	0.0
	0.0	0.0	0.0	16.6	29.3	0.5	15.8	69.6	15.7	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0
12	0.0	0.0	6.5	1.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	3.0	0.0	1.0	0.0	0.0	0.0	9.0	25.0	0.0	0.0	0.0	0.0
14	2.0	15.0	0.0	2.3	0.0	4.3	10.0	13.5	3.0	0.0	0.0	0.0
15	10.2	7.5	4.9	0.0	0.0	7.0	4.0	9.0	7.0	0.0	0.0	0.0
16	0.0	0.0	0.5	0.0	0.0	15.2	0.0	13.7	5.5	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	4.5	2.2	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	4.4	2.2	1.4	0.0	0.0	0.0
19	0.0	0.0	17.2	0.0	0.0	6.0	6.2	1.0	0.0	3.5	0.0	0.0
20	0.0	0.0	0.5	0.0	0.0	3.5	0.0	0.0	0.0	22.0	0.0	3.5
	15.2	22.5	30.6	3.3	5.3	36.0	38.1	69.8	16.9	25.5	0.0	3.5
21	1.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	1.3	0.0	1.5
22	0.0	0.0	0.0	0.0	9.0	0.0	5.8	0.0	1.5	0.0	0.0	0.0
23	13.0	0.0	0.0	0.0	27.7	0.0	0.0	2.0	10.0	0.0	0.0	0.0
24	3.0	0.0	0.0	0.0	2.7	0.0	0.0	11.5	1.5	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.3	0.0	7.5	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	4.5	3.0	0.0	0.0	0.0	0.0
27	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	11.3	0.0	0.0	0.0	0.8	0.0	13.0	0.0	2.0	0.0	0.0	0.0
29	7.0		4.0	0.0	0.0	0.0	2.4	0.0	17.5	0.0	0.0	4.0
30	0.0		4.2	0.0	0.0	0.0	0.7	20.8	4.0	0.0	0.0	0.0
31	0.0		25.5		1.5		0.0	6.2		0.0		0.0
Sum	37.3	0.0	33.7	0.0	42.0	0.0	35.2	43.5	36.5	1.3	0.0	5.5
M. Sum	52.5	22.9	64.3	19.9	76.6	36.5	89.1	182.9	69.1	26.8		9.0
Mean												
Hig.	13.0	15.0	25.5	12.8	27.7	15.2	13.0	25.0	17.5	22.0		4.0
Date	23	14	31	9	23	16	28	13	29	20		29
Low												
Date												

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Melkakurugeri Element .. Daily Rain .. Fall Year.. 1980

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	3.0	0.0	1.5	0.0	8.0	21.5	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	6.5	2.0	2.6	23.7	1.5	3.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	5.0	10.0	19.0	0.0	1.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	4.0	0.3	5.3	0.0	3.5	0.0	0.0
5	0.0	0.0	0.0	0.0	0.5	0.0	3.0	0.0	5.5	10.0	0.0	0.0
6	0.0	0.0	9.0	19.0	0.0	2.0	8.2	7.0	5.0	0.0	0.0	0.0
7	0.0	0.0	10.5	1.0	0.0	0.0	0.0	2.0	6.5	0.0	0.0	0.0
8	0.0	3.8	0.0	9.8	0.0	1.0	4.5	33.0	1.0	0.0	0.0	0.0
9	0.0	0.5	0.0	9.0	0.0	2.0	29.2	0.0	8.6	0.0	0.0	0.0
10	0.0	4.5	0.0	0.0	0.0	0.0	0.0	1.0	0.5	0.0	0.0	0.0
11	0.0	8.2	22.5	38.8	8.5	16.0	66.3	112.5	28.6	2.5	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	10.5	0.0	0.5	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.3	6.0	4.5	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0	0.5	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.5	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	7.0	0.0	1.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	36.0	0.0	12.5	21.5	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	11.0	0.0	6.8	0.0	0.0	1.3	0.0	0.0	0.0
19	0.0	0.0	0.0	8.5	0.0	18.5	30.0	0.0	5.2	0.0	0.0	0.0
20	0.0	0.0	0.0	1.0	0.0	0.0	7.8	6.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	56.5	0.0	44.8	93.0	19.0	7.5	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	9.4	40.7	3.7	0.0	0.0	0.0	0.0
23	5.0	0.0	0.0	0.0	0.0	0.7	4.8	3.3	0.0	6.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	9.5	0.0	0.0	0.0	0.0	0.0
25	0.4	0.0	0.0	0.0	0.0	0.0	3.0	0.0	8.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	1.0	17.0	20.3	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	9.3	0.0	4.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	10.3	14.0	9.8	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	2.6	0.0	29.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	3.0	0.0	9.0	1.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	7.8	0.0	4.0	7.8	0.0	0.0	0.0	0.0
Sun	5.4	4.3	6.0	15.5	23.1	34.4	126.8	40.1	0.0	6.0	0.0	0.0
M. Sun	5.4	13.1	22.5	110.8	31.6	95.2	286.1	171.6	36.1	13.5	0.0	0.0
Mean												
Hig.	5.0	4.5	10.5	36.0	10.3	18.5	40.7	33.0	8.6	10.0		
Date	23	10	7	17	28	19	21	8	9	5		
Low												
Date												

Copied by: Name: Yethanurk. Forssa. Sig. Yethanurk. 3-9-4 and Sig....
/tm

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Melkajunta Element Daily Rain-fall..... Year: 1981.
(SHOR)

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	2.0	0.0	0.0	0.0	3.8	12.3	3.2	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	32.5	1.5	0.0	0.0	0.0	0.0
3	0.0	0.0	24.2	4.0	0.0	0.0	12.3	2.5	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	3.0	0.0	0.0	10.0	12.0	2.4	0.0	0.0	0.0
5	0.0	0.0	0.0	0.5	0.0	0.0	0.0	1.5	0.0	2.0	0.0	0.0
6	0.0	0.0	23.0	3.0	0.0	0.0	0.0	8.8	2.3	6.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	48.3	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	4.8	21.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	2.5	4.7	2.0	0.0	0.0	0.0
	0.0	0.0	51.2	10.5	0.0	0.0	87.9	64.3	69.2	8.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	6.0	2.5	28.5	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	5.7	7.0	0.0	0.0	0.0	0.0
13	0.0	0.0	12.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	2.5	0.0	0.0	6.0	13.0	0.0	0.0	0.0	0.0
15	0.0	0.0	7.5	18.0	0.0	0.0	0.7	17.2	1.4	0.0	0.0	0.0
16	0.0	1.0	26.3	2.7	3.5	2.0	3.6	22.6	7.5	0.0	0.0	0.0
17	0.0	0.0	0.0	27.2	2.7	0.0	0.0	0.0	12.5	0.0	0.0	0.0
18	0.0	0.0	1.0	0.0	0.0	0.0	17.7	0.0	8.2	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	23.0	3.0	5.5	0.0	0.0	0.0
20	0.0	0.0	3.0	19.0	0.0	4.0	4.5	0.0	4.7	0.0	0.0	2.5
	0.0	1.0	50.0	69.4	6.2	6.0	69.5	64.7	68.3	0.0	0.0	2.5
21	0.0	0.0	0.0	16.0	0.0	22.0	26.8	4.5	0.0	0.0	0.0	0.0
22	0.0	0.0	6.5	1.3	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	8.0	12.5	0.0	0.0	8.5	0.0	1.5	0.0	0.0	0.0
24	0.0	0.0	13.5	1.5	0.0	0.0	16.3	17.5	12.3	0.0	0.0	0.0
25	0.0	0.0	16.5	0.0	0.0	2.0	7.5	3.0	3.3	0.0	0.0	0.0
26	0.0	0.0	11.0	0.0	0.0	2.5	3.0	8.5	0.0	0.0	0.0	0.0
27	0.0	0.0	0.5	0.4	0.0	0.0	0.0	8.7	0.0	0.0	0.0	0.0
28	0.0	0.0	19.5	0.0	0.0	0.0	17.8	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	3.5	20.0	7.8	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	1.2	0.0	0.0	14.4	0.0	0.0	0.0	3.0
31	0.0		0.0		0.0		0.0	13.0		0.0		0.0
Sum	0.0	0.0	75.5	31.7	1.2	30.0	119.9	72.4	17.1	0.0	0.0	3.0
M. Sum	0.0	1.0	176.7	111.6	7.4	36.0	277.3	201.4	154.6	8.0	0.0	5.5
Mean												
Hig.		1.0	26.5	27.2	3.5	22.0	32.5	22.0	48.3	6.0		3.0
Date		16	16	17	16	21	2	16	7	6		30
Low												
Date												

Copied by: Name Yathu W. K. Karsa. Sig. Y. S. W. 3-9-5 lane Sig.
/tn

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Melkakuntire Element Daily Rainfall Year 1982
(5404)

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	12.5	17.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	3.3	16.0	0.0	12.7	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.2	2.5	3.8	0.0	0.0
4	0.0	0.0	0.0	4.3	0.0	0.0	1.0	4.2	6.2	36.0	0.0	0.0
5	7.0	0.0	1.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	3.0	0.0	2.3	5.5	0.0	0.0	7.8	2.0	0.0	0.0
7	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.5	0.0	0.0
8	0.0	5.2	0.0	3.2	5.2	2.0	12.0	24.3	2.7	0.0	0.5	0.0
9	0.0	0.0	0.0	0.0	11.8	0.0	1.0	19.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	12.1	0.0	4.0	2.5	0.0	0.0	0.0	0.0
	7.0	5.2	4.0	9.7	32.4	7.5	24.3	82.7	36.2	55.0	0.5	0.0
11	0.0	7.0	0.0	4.0	19.9	0.0	20.5	6.5	8.5	0.2	0.0	0.0
12	0.0	4.3	0.0	3.5	15.2	0.0	0.0	15.0	6.0	0.0	0.0	0.0
13	14.0	0.0	0.0	0.0	12.5	0.0	0.5	1.5	3.0	0.0	0.0	0.0
14	16.2	0.0	0.0	0.0	3.0	5.2	0.0	1.4	0.0	3.2	0.0	0.0
15	0.0	3.5	0.0	0.0	5.8	0.0	10.5	0.0	1.7	0.0	0.0	0.0
16	10.0	0.0	0.0	0.0	0.0	10.5	0.0	8.3	8.8	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	3.0	1.0	0.0	0.0	0.0	0.5	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	12.5	18.7	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0
	39.2	15.0	0.0	2.5	56.4	20.7	44.5	51.4	31.8	3.4	0.5	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	5.0	31.2	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	6.3	5.0	2.5	0.0	0.0	0.0
23	0.0	0.0	0.0	0.3	0.0	0.0	8.9	2.0	22.5	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	12.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0
25	0.0	4.5	0.0	0.0	0.0	0.0	8.0	10.0	0.0	0.0	0.0	0.0
26	0.0	4.0	0.0	0.0	0.0	4.5	7.9	19.0	0.0	0.0	0.0	0.0
27	0.0	7.0	2.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	2.0	4.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		7.0	0.0	0.0	5.0	18.0	0.0	0.0	0.0	0.0	0.0
30	0.0		21.9	0.0	0.0	6.4	17.7	2.5	0.0	0.0	0.0	0.0
31	0.0		15.2		0.0		2.5	0.0		0.0		0.0
Sum	0.0	27.5	51.1	6.3	12.0	40.9	74.3	74.7	25.0	0.0	0.0	0.0
4. Sun	46.2	47.7	55.1	23.5	100.8	69.1	143.1	208.8	93.0	58.4	1.0	0.0
Mean												
Hig.	15.2	17.30	21.9	4.3	19.9	25.0	20.5	31.2	22.5	36.0	0.5	
Date	14	29	30	21	11	28	11	21	23	4	8	
Low												
Date												

Copied by: Name Yehuda K. Kassa Sig. Yeh 3-9-6 Name Sig.....

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Melka Kuntur Element: Daily Rainfall Year: 1983

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	4.7	0.0	0.0	0.0	0.0	0.0	1.5	10.0	0.0	0.0	0.0
2	0.0	0.0	0.0	17.5	2.7	0.0	0.0	0.0	3.5	0.0	0.0	0.0
3	0.0	3.5	0.0	1.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	3.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	1.7	0.0	0.0	2.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	6.0	0.0	0.0	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	0.0	48.6	1	0.0	0.0	0.0
8	0.0	0.0	12.0	13.2	0.0	0.0	0.0	20.5	1	0.0	0.0	0.0
9	0.0	2.5	0.0	0.0	0.0	0.0	0.0	9.8	1	0.0	0.0	0.0
10	0.0	0.0	0.0	2.0	0.0	0.0	0.0	6.8	1	0.0	0.0	0.0
	0.0	10.7	12.0	42.7	4.4	5.0	0.0	93.7	13.5	0.0	0.0	0.0
11	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	17.0	0.0	1.0	1.0	12.0	0.0	0.0	0.0
13	0.0	0.0	2.7	0.0	0.0	0.0	10.5	14.2	0.0	0.0	0.0	0.0
14	0.0	0.0	15.0	10.0	8.0	0.0	9.0	6.0	0.2	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	37.9	0.0	5.4	3.4	0.0	0.0	0.0	0.0
16	0.0	8.3	0.0	13.0	0.0	5.7	11.6	4.0	9.3	9.5	0.0	0.0
17	0.0	0.0	47.5	12.0	5.0	0.2	2.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	18.0	3.0	2.5	0.0	0.0	0.0	0.0	0.0
19	0.0	2.5	0.0	0.0	0.0	0.5	10.7	0.0	3.5	0.0	0.0	0.0
20	0.0	0.0	0.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	10.8	65.7	29.5	85.9	9.4	57.7	28.6	27.2	9.5	0.0	0.0
21	0.0	0.0	0.0	0.0	7.2	0.0	1.0	3.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.5	16.3	1.2	11.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	2.3	0.0	4.2	14.7	31.5	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	2.5	2.9	0.0	3.8	0.0	0.0	0.0	0.0
25	0.0	0.0	22.5	15.6	3.2	0.0	0.0	6.7	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	6.0	3.5	3.0	27.7	16.0	8.3	0.0	0.0	0.0
27	0.0	0.0	0.0	4.7	10.8	1.0	33.6	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	2.3	10.0	0.0	0.3	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	2.0	14.0	7.5	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	9.5	2.0	4.0	0.0	0.0	0.0	0.0
31	17.0	0.0	0.0	0.0	2.2	0.0	7.0	0.0	0.0	0.0	0.0	0.0
Sun	16.0	0.0	22.3	29.5	65.5	26.1	121.0	72.5	8.6	0.0	0.0	0.0
M. Sun	16.0	21.7	100.0	101.3	155.8	40.5	173.7	194.8	49.3	9.5	0.0	0.0
Mean												
Hig.	10.0	8.3	47.5	17.5	37.9	9.5	33.6	48.6	12.0	9.5		
Date	31	16	17	2	15	30	27	7	11	16		
Low												
Date												

Copied by: Name Yashwanth K. S. S. Sig. Y.S. 3-9-7 and Sig.

/tm



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: MELKA KUNTIRE Wereda Awraja Region SHOQ
 Alt. 2000m Long. 38° 35' Lat. 08° 11' Element Daily Rainfall 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	0.0	0.0	22.5	8.0	1.5	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	6.3	0.0	5.7	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	7.5	21.0	5.0	5.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	7.8	6.7	0.0	7.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	18.2	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	1.5	7.0	14.8	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	5.0	28.6	49.4	57.1	38.2	1.5	0.0	0.0
11	0.0	0.0	0.0	0.0	3.5	4.5	10.5	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	11.7	1.7	1.5	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	1.5	0.0	42.1	6.5	12.6	0.0	0.0	3.0
14	0.0	0.0	0.0	0.0	2.2	0.0	3.0	1.5	1.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	15.2	0.0	1.3	0.0	0.0	0.0	0.0
16	0.0	0.0	34.0	0.0	0.0	1.5	11.0	4.0	4.8	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	3.1	6.5	23.8	5.2	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	1.0	0.0	0.0	0.0
	0.0	0.0	34.0	0.0	10.3	31.4	106.7	20.2	20.9	0.0	0.0	3.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	20.5	7.6	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	6.5	0.8	0.5	1.5	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	5.0	10.0	5.5	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	8.0	5.2	0.0	2.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	1.5	11.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	2.5	15.5	5.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	3.7	2.4	20.3	6.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	5.5	13.5	28.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	6.0	0.0	9.2	0.3	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sum	0.0	0.0	0.0	0.0	26.2	43.4	87.6	48.3	11.0	0.0	0.0	0.0
M. Sum			34.0		41.5	103.4	243.7	125.6	70.1	1.5		3.0
Mean												
Hig.			34.0		8.0	20.5	42.1	28.0	18.2	1.5		3.0
Date			16		25	22	13	29	5	1		13
Low												
Date												

A.V.A.



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: AYASH KOTTERM Vereda Awraja Region 2101
 (Melka Kulture)
 Alt. 2000m Long. 38°35' Lat. 08°11' Element daily Rain fall Year 1935

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	x	0.0	0.0	0.0	0.0	0.0	14.0	10.5	3.0	0.0		0.0
2	x	0.0	0.0	0.0	0.0	0.0	23.8	6.0	0.0	0.0		0.0
3	x	0.0	0.0	0.0	0.0	0.0	0.0	30.5	0.0	0.5		0.0
4	x	0.0	0.0	0.0	10.0	0.0	0.0	8.0	14.0	0.0		0.0
5	x	0.0	0.0	16.5	14.0	0.0	8.0	0.0	0.0	0.0		0.0
6	x	0.0	0.0	0.0	4.5	0.0	0.0	0.0	x	0.0		0.0
7	x	0.0	0.0	0.0	7.3	0.0	1.0	31.5	x	0.0		0.0
8	x	0.0	0.0	0.0	1.7	0.0	2.5	11.5	x	0.0		0.0
9	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	x	0.0		0.0
10	0.0	0.0	0.0	0.0	1.0	0.0	4.0	11.0	x	0.0		0.0
	0.0	0.0	0.0	16.5	38.5	0.0	63.3	111.0	14.0	0.0		0.0
11	0.0	0.0	0.0	0.0	9.0	0.0	14.5	15.3	2.3			0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0			0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	0.0			0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	4.5	5.0	3.2			0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	26.0	4.0	0.0			0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	7.0	5.0	0.0			0.0
17	0.0	0.0	1.5	0.0	0.0	19.5	0.0	0.0	0.0			0.0
18	0.0	0.0	2.0	0.0	0.0	0.0	0.0	15.0	0.0			0.0
19	0.0	0.0	3.0	0.0	0.0	1.5	0.0	13.0	0.0			0.0
20	0.0	0.0	0.0	0.0	0.0	2.0	10.0	5.0	10.0			0.0
	0.0	0.0	4.5	0.0	9.0	23.0	64.4	67.8	16.1			0.0
21	0.0	0.0	0.0	2.5	0.0	2.5	0.0	11.0	14.8			0.0
22	0.0	0.0	0.0	0.0	0.0	2.0	0.0	12.5	14.0			0.0
23	0.0	0.0	0.0	2.2	0.0	1.7	23.0	0.0	0.0			0.0
24	7.5	0.0	0.0	3.5	0.0	0.0	19.5	0.0	0.0			0.0
25	0.0	0.0	1.0	2.0	0.0	0.0	20.3	0.0	1.5			0.0
26	0.0	0.0	11.0	9.5	0.0	7.8	6.0	11.3	0.0			0.0
27	0.0	0.0	1.0	0.0	2.7	0.0	11.0	1.0	0.0			0.0
28	0.0	0.0	0.0	0.0	0.0	7.5	11.0	1.3	0.0			0.0
29	0.0		0.0	0.0	0.0	3.3	9.6	0.0	0.0			0.0
30	0.0		0.0	0.0	0.0	0.0	32.5	0.0	0.0			0.0
31	8.3		10.5		2.0		10.5	12.3				0.0
Sum	15.8	0.0	23.5	19.7	2.7	24.8	142.8	55.4	20.3			0.0
M. Sum	15.8		28.0	36.2	50.2	41.8	270.5	240.2	50.4			
Mean												
Hig.	8.3		11.0	16.5	14.0	19.5	33.0	31.5	14.0			
Date	31		26	5	5	11	2	8	21			
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: AWASH-MELKA (Huntire) Wereda ALEM GENA Awraja MENAGESHA Region SHOA
 Alt. 2010 M. Long. _____ Lat. _____ Element DAILY RAIN FALLY Year 1986

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	1.8	0.0	3.1	2.8	14.9	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	2.1	0.0	2.4	0.0	17.8	0.0	0.0	0.0	0.0
4	0.0	20.5	1.2	26.8	0.0	14.0	0.0	4.5	0.0	0.0	0.0	0.0
5	0.0	0.0	19.5	2.6	0.0	0.0	7.9	7.5	7.6	0.0	0.0	12.2
6	0.0	0.0	0.0	2.3	11.3	0.0	10.0	4.0	21.3	0.0	0.0	0.0
7	0.0	0.0	0.0	2.1	2.2	0.0	13.9	4.9	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	12.8	0.0	19.5	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	1.9	15.5	1.0	21.4	0.0	0.0	0.0
	0.0	20.5	20.7	37.7	13.4	34.2	51.5	74.1	50.3	0.0	0.0	12.2
11	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	5.8	2.0	0.0	15.3	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	10.2	0.0	0.0	TR	0.0	0.0	0.0
14	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
15	0.0	0.0	0.0	23.1	0.0	18.3	2.1	0.0	10.9	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	1.2	0.0	0.0	7.0	8.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	6.5	0.0	10.2	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	4.4	3.4	11.7	0.0	3.3	0.0	0.0	0.0
20	0.0	10.4	0.0	16.2	2.1	4.8	23.8	26.0	1.3	0.0	0.0	0.0
	0.0	10.4	0.0	40.7	13.5	50.6	37.6	58.5	27.5	0.0	0.0	0.0
21	0.0	0.0	20.7	0.0	0.0	24.6	1.6	18.0	4.2	0.0	0.0	0.0
22	0.0	0.0	7.5	0.0	0.0	0.0	5.3	4.3	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	10.0	7.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	11.5	2.4	0.0	0.0	2.7	0.0	4.7	0.0	0.0	0.0	0.0
25	0.0	0.0	4.7	0.0	0.0	11.3	1.7	0.0	0.0	0.0	0.0	0.0
26	0.0	20.7	0.0	18.9	0.0	0.0	0.0	9.5	0.0	0.0	0.0	0.0
27	0.0	7.5	0.0	0.0	0.0	2.0	9.8	0.0	0.0	0.0	0.0	0.0
28	0.0	14.0	0.0	0.0	0.0	2.1	7.0	1.2	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	3.6	0.0	0.0	10.8	2.2	0.0	0.0	0.0
30	0.0	0.0	0.0	1.5	2.2	0.0	0.0	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	4.6	0.0	0.0	0.0	0.0
Sum	0.0	43.7	25.3	30.4	12.8	51.7	25.4	53.1	6.4	0.0	0.0	0.0
M. Sum	0.0	74.6	56.0	108.8	39.7	136.5	114.5	125.7	84.2	0.0	0.0	12.2
Mean												
Hig.		20.7	20.7	26.8	11.3	18.3	23.8	26.0	21.4			12.2
Date		26	21	4	6	15	20	20	10			5
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

230

Station: AWASH-MELKA Wereda AKEM-GENA Avraja MENAGESHA Region SHOA

Alt. 2010 M. Long. _____ Lat. _____ Element DAILY RAIN FALL Year 1987

48151-C PRINTED IN ETH

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	0.0	0.0	32.7	7.4	TR	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	35.2	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0
3	0.0	0.0	4.5	4.0	0.0	0.0	3.7	1.0	TR	3.3	0.0	0.0
4	0.0	0.0	0.0	8.6	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	7.8	2.4	26.5	2.5	3.3	0.0	0.0
6	0.0	0.0	16.2	21.2	2.0	1.4	7.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	15.0	0.0	8.0	TR	3.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	4.1	0.0	7.5	3.9	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	13.1	0.0	3.5	15.4	4.2	0.0	0.0	0.0	0.0
10	0.0	0.0	4.5	0.0	0.0	4.0	0.0	15.4	0.0	0.0	0.0	0.0
11	0.0	39.2	4.0	16.2	9.2	0.0	1.5	21.8	0.0	0.0	0.0	0.0
12	0.0	0.0	17.7	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.6	0.0	0.0	0.0	0.0
14	0.0	0.0	3.3	0.0	3.6	0.0	14.0	TR	4.4	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	1.8	10.3	5.2	0.0	0.0	0.0
16	0.0	0.0	16.0	0.0	0.0	0.0	0.0	TR	TR	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	2.7	6.7	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0
19	0.0	5.8	0.0	0.0	1.9	0.0	8.1	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	9.5	0.0	24.0	0.0	0.0	5.7	1.0	0.0	0.0	0.0
21	0.0	45.0	50.5	16.2	38.9	0.0	28.1	8.8	10.6	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	11.2	5.4	5.4	0.0	0.0	0.0	0.0	0.0
23	0.0	38.7	0.0	0.0	9.5	0.0	TR	0.0	2.3	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	5.5	17.7	7.6	6.2	5.6	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	51.6	0.0	5.1	0.0	0.0	TR	0.0	0.0
26	0.0	0.0	6.4	0.0	6.2	1.6	4.3	0.0	6.7	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	25.2	0.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	4.0	4.0	0.0	0.0	0.0	11.9	11.0	0.0	0.0	0.0	0.0
30	0.0	0.0	6.1	0.0	10.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	TR	0.0	3.4	0.0	18.1	0.0	2.8	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	3.3	0.0	17.0	X	0.0	0.0	0.0	0.0
Sum	0.0	42.9	41.7	0.0	114.4	24.7	70.4	17.2	17.4	0.0	0.0	0.0
M. Sum	0.0	87.9	132.4	98.3	167.2	94.1	149.5	154.0	30.5	6.6	0.0	0.0
Mean												
Hig.		39.2	25.2	35.2	51.6	32.7	18.1	32.6	6.7	3.3		
Date		13	27	2	24	1	30	13	25	3		
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: MELKA KUNTOLE Wereda NEMGENA Awraja DARFLOR Region SNNPR

Alt. 2010 Long. _____ Lat. _____ Element WIND SPEED Year 1988

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	TR	0.0	0.0	0.0	1.0	0.0	41.5	TR	0.0	0.0	0.0
2	0.0	0.0	1.7	0.0	0.0	3.5	0.0	0.0	25.2	1.0	0.0	0.0
3	0.0	0.0	TR	0.0	0.0	0.0	26.9	14.9	0.0	0.0	0.0	0.0
4	TR	0.0	1.0	TR	0.0	10.8	19.6	31.4	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	TR	0.0	TR	15.3	1.5	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	TR	18.4	0.0	TR	0.0	0.0	0.0
8	0.0	5.5	0.0	0.0	0.0	0.0	0.0	12.4	3.2	0.0	0.0	0.0
9	0.0	3.8	0.0	TR	0.0	0.0	11.3	0.0	10.2	0.0	0.0	0.0
10	0.0	5.9	0.0	3.7	0.0	4.8	12.2	3.5	11.9	0.0	0.0	0.0
	0.0	15.2	2.7	7.6	0.0	28.0	103.7	80.7	58.1	1.0	0.0	0.0
11	0.0	0.0	0.0	0.0	TR	15.6	0.0	2.2	4.3	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	5.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0
13	0.0	TR	0.0	TR	5.1	1.2	0.0	3.0	26.1	0.0	0.0	0.0
14	0.0	0.0	0.0	TR	0.0	4.9	TR	31.9	0.0	1.5	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	5.6	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	TR	0.0	0.0	TR	0.0	0.0
17	TR	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0
18	TR	0.0	0.0	23.0	0.0	4.5	TR	20.1	TR	TR	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	4.9	16.6	18.5	0.0	0.0	0.0
20	0.0	0.0	0.0	TR	0.0	5.3	1.1	0.0	4.4	0.0	0.0	0.0
	0.0	0.0	0.0	23.0	10.1	10.5	18.5	11.9	48.5	7.1	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	3.0	0.0	26.7	1.2	0.0	0.0	0.0
22	0.0	TR	0.0	1.2	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0
23	0.0	TR	TR	5.9	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0
24	0.0	10.9	0.0	0.0	0.0	14.7	20.3	2.1	2.8	0.0	0.0	0.0
25	0.0	TR	0.0	2.3	0.0	4.9	15.1	2.1	0.0	0.0	0.0	0.0
26	0.0	0.0	TR	TR	0.0	0.0	2.9	14.6	1.1	0.0	0.0	0.0
27	0.0	0.0	0.0	7.1	0.0	0.0	9.2	1.0	1.5	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	3.2	TR	11.2	TR	0.0	0.0	0.0
29	0.0	0.0	0.0	9.9	0.0	4.9	3.1	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	5.3	0.0	4.8	1.3	12.1	0.0	0.0	0.0	0.0
31	0.0		0.0		TR		9.2	TR		0.0		0.0
Sum	0.0	10.9	0.0	37.5	0.0	35.5	67.4	79.7	15.5	0.0	0.0	0.0
M. Sum	0.0	26.7	2.7	68.1	10.1	104.0	189.6	272.3	122.2	8.1	0.0	0.0
Mean												
Hfg.		10.9	1.7	23.0	5.1	15.6	20.9	34.9	25.2	5.6		
Date		24	2	18	13	11	3	14	2	15		
Low												
Date												

4th class



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Awasa Melka Wereda Alemgena Awraja Menagesha Region Shoa
 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	4.2	0.0	0.0	4.6	0.0	2.4	0.0	0.0	0.0
2	0.0	0.0	0.0	1.1	0.0	0.0	24.1	22.7	5.2	0.0	0.0	0.0
3	0.0	TR	0.0	0.0	0.0	10.0	10.2	2.2	3.8	0.0	0.0	0.0
4	0.0	9.6	0.0	0.0	0.0	TR	7.5	4.0	0.0	0.0	0.0	0.0
5	0.0	19.6	0.0	0.0	0.0	0.0	4.6	2.9	TR	0.0	0.0	0.0
6	0.0	13.3	0.0	0.0	0.0	0.0	3.1	1.5	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	4.9	4.3	0.0	10.3	0.0	0.0	0.0
8	0.0	1.5	0.0	13.8	0.0	4.1	9.4	3.0	20.1	0.0	0.0	0.0
9	0.0	TR	0.0	0.0	0.0	0.0	15.3	1.4	TR	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	TR	28.4	0.0	0.0	0.0	0.0	0.0
	0.0	44.0	0.0	8.8	0.0	14.0	11.5	31.7	41.8	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	TR	0.0	8.5	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	19.2	18.9	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	5.0	8.0	9.7	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	12.2	3.5	1.4	0.0	0.0	0.0
15	0.0	0.0	2.5	0.0	10.8	TR	9.5	17.6	1.3	0.0	0.0	0.0
16	1.2	0.0	0.0	0.0	0.0	1.1	0.0	TR	5.1	0.0	0.0	11.7
17	0.0	0.0	22.3	0.0	0.0	0.0	2.9	4.5	4.3	0.0	0.0	TR
18	TR	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.0	TR	0.0	0.0
19	0.0	0.0	0.0	22.6	0.0	0.0	14.5	0.0	TR	6.5	0.0	0.0
20	8.2	0.0	0.0	2.1	0.0	0.0	2.9	4.4	0.0	0.0	0.0	0.0
	8.4	0.0	24.8	24.7	10.8	25.3	66.9	19.5	13.1	6.5	0.0	11.7
21	0.0	0.0	0.0	10.0	0.0	0.0	42.7	9.4	1.2	0.0	0.0	0.0
22	0.0	0.0	TR	TR	TR	0.0	0.0	5.7	0.0	0.0	0.0	0.0
23	0.0	0.0	TR	15.3	0.0	0.0	2.4	1.4	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	3.4	0.0	9.4	5.3	15.3	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	6.4	0.0	0.0	12.6	12.1	TR	0.0	0.0	0.0
26	0.0	0.0	0.0	TR	0.0	0.0	8.3	9.7	TR	0.0	0.0	TR
27	0.0	0.0	0.0	5.3	0.0	0.0	8.5	9.2	5.0	0.0	0.0	0.0
28	0.0	0.0	18.4	0.0	0.0	TR	5.4	9.7	5.4	0.0	0.0	0.0
29	0.0	0.0	TR	0.0	0.0	0.0	4.5	15.8	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	0.0	0.0	0.0	0.0
31	0.0	0.0	3.3	0.0	0.0	0.0	2.0	5.6	0.0	0.0	0.0	0.0
Sum	0.0	0.0	21.7	40.4	0.0	9.4	91.7	105.8	11.6	0.0	0.0	0.0
M. Sum	9.4	44.0	46.5	73.9	10.8	53.7	272.1	143.0	66.5	6.5	0.0	11.7
Mean												
Hig	8.2	19.6	22.3	22.6	10.8	10.0	42.7	22.7	20.1	6.5		11.7
Date	20	5	17	19	15	3	21	2	8	19		16
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: AWARA MELKA Wereda _____ Awraja Alice Region Shoa

Alt. 2010 Long. 38.37 Lat. 8.43 Element Windy Rain Near 1990

MTS-51C FORM 7-67

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	TY	0.0	7.0	0.0	21.3	53.3	24.0	0.0	0.0		0.0
2	0.0	1.0	3.2	0.0	0.0	3.0	2.4	0.0	3.3	0.0		0.0
3	0.0	1.0	0.0	4.32	0.0	0.0	5.2	6.4	0.0	0.0		0.0
4	0.0	0.0	5.04	5.2	0.0	0.0	TY	2.4	0.0	0.0		0.0
5	0.0	0.0	16.4	3.5	0.0	TY	2.8	TY	7.3	0.0		0.0
6	0.0	9.8	0.0	TY	0.0	9.6	1.3	3.5	0.0	0.0		0.0
7	0.0	0.0	TY	21.4	0.0	TY	0.0	14.6	0.0	0.0		0.0
8	0.0	5.24	0.0	4.9	0.0	0.0	5.9	9.4	0.0	0.0		0.0
9	0.0	TY	0.0	0.0	0.0	0.0	0.0	3.2	14.6	0.0		0.0
10	0.0	8.0	0.0	0.0	0.0	0.0	6.1	TY	5.7	0.0		0.0
11	0.0	0.0	0.0	0.0	2.2	13.3	2.1	5.4	1.2	0.0		0.0
12	0.0	0.0	0.0	0.0	3.7	0.0	0.0	13.6	0.0	0.0		0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	23.8	14.4	0.0	0.0		0.0
14	0.0	1.2	0.0	0.0	0.0	2.8	24.8	6.5	0.0	0.0		0.0
15	0.0	0.0	0.0	0.0	0.0	8.6	21.4	18.7	0.0	0.0		0.0
16	0.0	2.9	0.0	0.0	0.0	4.6	5.9	15.3	1.2	0.0		0.0
17	0.0	3.6	0.0	0.0	9.4	0.0	0.0	2.2	0.0	0.0		0.0
18	0.0	TY	0.0	0.0	0.0	0.0	26.6	1.4	TY	0.0		0.0
19	0.0	0.0	0.0	0.0	TY	3.9	TY	10.2	15.6	0.0		0.0
20	0.0	0.0	0.0	TY	0.0	2.3	30.7	2.5	0.0	0.0		0.0
21	0.0	12.7	0.0	0.0	15.3	36.0	15.3	5.2	1.3			
22	0.0	TY	0.0	0.0	0.0	0.0	0.0	1.2	TY	0.0		0.0
23	0.0	0.0	4.4	0.0	0.0	0.0	5.5	14.7	5.1	0.0		0.0
24	0.0	5.5	TY	2.3	TY	0.0	6.3	10.4	2.3	0.0		0.0
25	0.0	15.3	0.0	18.5	0.0	0.0	0.0	0.0	0.0	0.0		0.0
26	0.0	13.9	0.0	1.2	0.0	0.0	10.4	15.5	0.0	0.0		0.0
27	0.0	9.4	0.0	TY	0.0	8.8	0.0	0.0	0.0	0.0		0.0
28	0.0	4.1	0.0	2.6	0.0	0.8	0.0	2.1	TY	0.0		0.0
29	0.0	4.1	0.0	15.7	TY	5.3	15.9	6.4	0.0	0.0		0.0
30	0.0		0.0	0.0	2.4	6.8	7.6	14.7	0.0	0.0		0.0
31	0.0		8.8	0.0	8.9	8.8	24.1	0.0	1.0	0.0		0.0
31	0.0		0.0	4.4	0.0		TY	0.0		0.0		0.0
Sum	0.0	52.5	15.0	40.3	11.3	21.7	65.2	60.0	2.5			
M. Sum	0.0	137.15	83.2	125.5	26.6	91.6	162.1	233.1	59.5			
Mean												
Hig.		52.5	50.4	43.2	9.4	21.3	53.3	24.0	14.6			
Date		8	4	3	17	1	1	1	9			
Low												
Date												

Copied by: Name F. T. H. H. H. H. H. H. Sig. [Signature]

4th class



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: AWASH MELKA Wereda Awraja ALEMGENA 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	00	00	00	00	15.8	13.9	1.6	00	00	00
2	00	00	00	00	00	00	7.5	00	10.8	00	00	00
3	00	00	00	00	00	6.4	13.4	00	00	TR	00	00
4	00	00	00	00	00	00	17.9	28.8	16.3	00	00	TR
5	00	00	1.2	00	00	00	24.8	19.3	15.3	1.8	00	00
6	00	00	1.6	00	00	00	15.6	00	13.5	1.2	00	00
7	00	00	00	00	00	7.8	45.8	17.1	24.4	00	00	00
8	00	00	4.7	00	00	TR	25.4	10.0	00	00	00	00
9	00	12.3	9.8	TR	00	00	13.4	25.5	10.0	00	00	00
10	00	1.3	11.2	00	00	TR	11.9	7.2	00	00	00	00
	00	13.6	34.5	TR	0.0	14.2	191.5	112.1	91.9	3.0	00	TR
11	00	6.4	1.4	00	00	00	8.2	00	18.3	00	00	00
12	00	4.4	73.2	00	00	10.2	00	00	12.5	00	00	00
13	00	00	00	00	00	6.4	00	00	00	00	00	00
14	00	00	00	00	00	00	00	23.8	00	00	00	00
15	00	TR	00	2.1	2.6	00	33.8	45.6	00	00	00	00
16	00	00	00	00	2.3	00	00	33.1	1.8	00	00	00
17	00	00	00	00	TR	00	00	32.7	2.2	00	00	00
18	00	00	00	TR	00	15.2	10.7	15.0	00	00	00	00
19	00	1.1	00	3.2	00	6.6	3.6	6.8	00	00	00	00
20	00	00	00	TR	00	00	00	39.5	00	00	00	00
	00	11.9	74.6	5.3	4.9	38.4	56.3	199.5	34.8	00	00	00
21	00	11.3	00	00	00	00	20.0	TR	2.8	00	00	00
22	00	00	00	00	00	17.2	29.9	6.4	00	00	00	00
23	00	00	00	00	00	16.0	00	00	00	00	00	00
24	00	00	TR	00	00	14.8	00	16.3	00	00	00	00
25	00	0.6	00	00	00	3.9	13.2	4.2	00	00	00	00
26	00	00	22.8	00	00	00	9.4	42.8	00	00	00	00
27	00	00	00	00	00	9.3	5.4	12.8	00	00	00	00
28	00	00	00	00	00	2.6	8.3	8.3	00	00	00	00
29	00		00	00	00	4.7	00	5.4	00	00	00	00
30	00		00	00	00	11.8	25.6	9.1	00	00	00	00
31	00		00		x		15.5	00		00		00
Sum	00	11.9	22.8	00	00	60.3	427.3	105.3	2.8	00	00	00
M. Sum	00	37.4	131.9	5.3	4.9	132.9	375.1	416.9	127.5	3.0	00	00
Mean												
Hig.		12.3	73.2	3.2	2.6	17.2	45.8	45.6	24.4	1.8		
Date		9	12	19	15	22	7	15	7	5		
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

4th class

Station: AWASH MELKA Wereda Awraja ALEMGENA Region SHOA

Alt. Long. Lat. Element DAILY RAIN FALL Year 1992

METRIC UNITS ONLY

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	00	5.3	0.2	00	6.5	00		15.6	12.2	00	00	00
2	00	13.8	00	1.4	00	00		24.3	20.0	4.0	00	00
3	00	9.2	00	7.5	00	00		00	17.8	00	00	00
4	00	00	00	00	00	00		00	00	00	00	00
5	00	2.2	00	00	00	00		13.1	00	00	00	00
6	00	00	00	00	00	2.1		20.2	5.5	00	00	00
7	00	00	00	00	00	TR		1.1	8.9	3.2	00	00
8	00	00	00	00	1.1	00		00	2.6	TR	00	00
9	00	5.3	00	00	2.9	00		00	00	00	00	00
10	TR	15.1	00	00	00	00		12.9	5.2	29.8	00	00
	TR	50.9	0.2	2.9	10.5	2.1		87.2	75.2	57.0	00	00
11	00	0.2	00	00	11.4	4.8		3.3	1.8	00	00	00
12	TR	TR	00	00	11.5	3.3		00	TR	00	00	00
13	00	00	00	00	00	00		00	00	00	00	00
14	00	00	00	00	00	00		00	00	00	00	00
15	00	00	00	00	00	10.4		30.2	00	00	00	00
16	00	00	00	00	00	8.1		00	00	00	00	00
17	00	00	00	00	00	00		00	00	00	00	00
18	TR	00	00	00	00	00		29.9	00	00	00	00
19	00	00	00	00	00	00		3.2	15.8	00	00	00
20	00	00	00	00	00	00		00	00	00	00	00
	TR	8.2	00	00	23.9	25.6		66.6	17.6	00	00	00
21	00	00	00	00	00	2.0		00	00	00	00	00
22	00	00	00	00	00	16.9		10.1	00	00	00	00
23	TR	00	00	00	1.4	00		2.7	00	00	00	00
24	TR	00	00	4.3	19.1	10.2		5.0	00	00	00	00
25	00	00	00	TR	20.9	7.0		8.9	00	00	00	00
26	00	00	03	00	00	00		6.6	00	00	00	2.3
27	00	00	9.9	00	00	42.6		18.2	00	00	00	1.8
28	12.8	00	0.2	12.6	00	9.4		7.1	00	00	00	00
29	00	00	00	00	00	15.3		1.8	00	00	00	00
30	00		2.1	00	00	12.2		9.1	00	00	00	00
31	15.6		2.0		00			00		00		00
Sum	284	00	14.5	18.1	41.4	115.6		64.5	00	20	00	4.1
M. Sum	28.4	59.1	14.9	27.0	71.8	141.3		32.3	92.8	37.0	00	4.1
Mean												
Hig.	15.6	15.1	9.9	12.6	20.9	42.6		30.2	20.0	29.8		2.3
Days	31	10	27	26	25	27		15	2	10		26
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

7/11/1993

Station: AWASHMELKA Wereda: _____ Awraja: _____ Region: SNOA
 Alt: _____ Long: _____ Lat: _____ Element: DAI. RAIN. FALL Year: 1993

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	00	00	00	00	2.3	1.4	00	25.2	13.1	00	00	0.0
2	00	10.6	00	00	12.1	00	00	20.0	39.4	00	00	0.0
3	00	00	00	00	00	00	00	39.8	20.0	00	00	0.0
4	00	TR	00	00	7.7	8.5	25.8	30.9	73.4	7.8	00	0.0
5	00	1.4	00	00	00	13.6	10.2	58.4	7.5	3.0	00	0.0
6	00	00	00	00	00	00	13.1	12.8	00	00	00	0.0
7	00	16.0	00	00	00	35.5	28.2	00	00	00	00	0.0
8	00	11.2	00	00	00	00	30.4	00	5.1	00	00	0.0
9	00	18.3	00	00	00	00	15.2	62.4	TR	00	00	0.0
10	00	15.4	00	00	00	00	00	25.5	00	00	00	0.0
	00	72.9	00	00	22.1	59.0	124.9	275.0	158.6	11.8	00	0.0
11	00	00	00	6.6	00	00	18.2	19.1	15.6	00	00	0.0
12	00	00	00	9.5	12.4	00	00	8.8	24.7	00	00	0.0
13	00	00	00	15.0	8.3	00	00	15.3	3.8	00	00	0.0
14	00	00	00	28.8	10.9	00	15.5	45.2	7.0	00	00	0.0
15	00	00	00	11.7	4.0	00	42.0	7.6	00	00	00	0.0
16	00	00	00	29.4	00	10.3	3.2	00	00	00	00	0.0
17	00	00	00	20.0	00	23.8	10.0	00	00	00	00	0.0
18	00	00	00	00	00	15.4	4.5	00	00	00	00	0.0
19	00	00	00	16.8	00	29.0	25.5	00	00	00	00	0.0
20	00	00	00	9.2	00	16.2	27.7	7.2	00	00	00	0.0
	00	00	00	147.0	35.6	94.7	146.6	103.2	51.1	00	00	0.0
21	TR	00	00	00	00	00	9.4	5.5	00	00	00	0.0
22	00	00	00	00	00	35.0	00	10.4	00	00	00	0.0
23	00	00	00	00	2.3	7.7	54.9	00	00	00	00	0.0
24	00	00	1.2	00	00	00	6.6	00	25.6	12.4	00	0.0
25	00	00	18.6	7.3	00	00	32.2	00	4.3	8.5	00	0.0
26	00	00	TR	23.8	00	TR	21.5	21.4	00	18.9	00	0.0
27	00	TR	00	15.0	00	5.1	00	3.0	30.5	00	00	0.0
28	00	00	TR	00	00	00	00	10.9	00	00	00	0.0
29	00		00	00	00	6.6	13.1	5.2	00	00	00	0.0
30	00		00	00	00	23.6	26.4	00	00	00	00	0.0
31	00		00		10.0		56.0	00		00		0.0
Sum	TR	00	19.8	16.1	12.3	78.0	220.1	56.4	60.4	39.8	00	0.0
M. Sum	00	72.9	19.8	193.1	70.0	231.7	491.6	434.6	270.3	50.6	00	
Mean												
Hig.	TR	18.3	18.6	29.4	12.4	35.5	56.0	62.4	73.4	18.9		
Date	21	9	25	16	12	7	31	9	4	26		
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

(Melka Kuntse)

Station: Awash Melka 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	0.0	0.0	11.5	7.6	0.0	28.7	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	27.6	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.2	3.9	0.0	0.0	0.0
4	0.0	0.0	TR	0.0	1.5	0.0	0.0	21.6	4.3	0.0	0.0	0.0
5	0.0	0.0	2.3	0.0	0.0	0.0	16.9	3.3	9.2	0.0	0.0	TR
6	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	18.6	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	0.0	0.0	0.0
8	0.0	0.0	TR	0.0	0.0	0.0	2.4	4.4	0.0	0.0	0.0	0.0
9	0.0	0.0	8.4	0.0	0.0	0.0	38.2	0.0	0.0	0.0	3.8	0.0
10	0.0	0.0	12.0	2.8	11.9	TR	0.0	45.9	0.0	0.0	0.0	0.0
	0.0	0.0	26.7	2.8	24.9	7.6	57.5	124.1	49.0	0.0	3.8	0.0
11	0.0	0.0	0.0	0.0	2.6	0.0	24.6	1.8	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	1.0	2.3	3.1	6.0	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	TR	0.0	0.0	0.0	3.9	18.2	0.0	0.0	0.0	0.0
15	0.0	0.0	TR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	4.6	2.0	10.1	6.8	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	4.8	10.4	0.0	8.6	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	3.8	2.2	0.0	19.9	12.8	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	6.3	0.0	0.0	5.4	0.0	3.2	0.0
	0.0	0.0	0.0	8.6	20.8	21.0	40.2	15.6	5.4	0.0	3.2	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	7.4	0.0	1.8	0.0
22	0.0	0.0	15.3	1.0	0.0	15.0	8.1	10.4	9.2	0.0	0.0	0.0
23	0.0	0.0	5.3	0.0	0.0	3.2	13.0	0.0	10.6	0.0	0.0	0.0
24	0.0	0.0	10.8	0.0	0.0	0.0	5.4	6.3	12.2	0.0	0.0	0.0
25	0.0	0.0	17.9	5.5	0.0	0.0	18.1	0.0	2.7	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	6.6	34.5	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	11.0	7.8	0.0	14.8	1.4	0.0	6.0	0.0	0.0	0.0
28	0.0	0.0	38.2	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	20.4	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	2.4	0.0	10.8	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.3	0.0	0.0	0.0	0.0
Sum	0.0	0.0	98.5	14.3	0.0	48.0	112.5	46.2	48.1	0.0	1.8	0.0
M. Sum			125.2	25.7	45.7	70.8	240.2	216.5	132.5	0.0	8.8	0.0
Mean												
Hig.			38.2	7.8	11.9	14.8	38.2	45.9	27.6		3.8	
Date			28	28	10	28	9	10	9		9	
Low												
Date												

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Awash-Melka Woreda

Awraja

Region: Shoa

Alt: 200 Long 40

Lat 08

Element Rainfall

Year: 1996

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	8.4	0.0	0.0	0.0	0.0	0.0	0.0	3.5	2.4	0.0	0.0	0.0
2	13.1	0.0	3.7	0.0	0.0	2.2	0.0	0.0	2.0	0.0	0.0	0.0
3	1.1	0.0	0.0	0.0	0.0	15.8	8.6	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	TR	0.0	0.0	40.6	7.5	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	5.6	0.0	3.4	5.6	0.0	15.8	0.0	0.0	0.0
6	5.4	0.0	0.0	0.0	0.0	13.3	0.0	19.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	35.1	0.0	8.8	15.4	18.8	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	2.4	2.1	0.0	23.0	3.5	0.0	0.0	0.0
9	0.0	0.0	0.8	0.0	39.6	3.5	34.7	0.0	TR	0.0	0.0	0.0
10	0.0	0.0	5.9	0.0	3.8	3.1	0.0	0.0	0.0	0.0	0.0	0.0
	28.0	0.0	10.4	40.7	45.8	42.8	65.8	51.3	81.7	0.0	0.0	0.0
11	0.0	0.0	TR	0.0	0.0	3.2	12.7	8.9	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	8.1	21.2	TR	7.6	8.0	0.0	0.0	0.0
13	0.0	0.0	0.0	TR	6.4	10.7	0.0	21.4	0.0	0.0	0.0	0.0
14	0.0	0.0	11.3	5.3	11.8	15.3	0.0	10.8	0.0	0.0	0.0	0.0
15	6.5	0.0	TR	0.0	0.0	8.0	11.9	5.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	15.0	12.9	18.2	0.0	8.3	0.0	0.0	0.0
17	0.0	0.0	0.0	19.2	3.6	0.0	13.5	18.4	25.5	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	8.3	24.3	0.0	0.0	27.3	50.3	0.0	0.0	0.0	0.0
20	0.0	0.0	14.1	0.0	3.7	5.6	0.0	12.9	0.0	0.0	0.0	0.0
	6.5	0.0	33.7	46.8	48.6	76.9	83.6	135.3	41.8	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	2.8	9.9	12.4	12.2	0.0	0.0	0.0
22	0.0	0.0	1.0	15.0	5.6	0.0	7.2	TR	6.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	16.3	20.0	1.8	TR	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	2.4	0.0	15.9	0.0	0.0	0.0	0.0	0.0
25	0.0	TR	18.4	0.0	0.0	15.8	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	30.4	0.0	13.7	10.4	42.7	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	1.0	11.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	14.3	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	28.8	26.8	3.8	0.0	0.0	0.0
30	0.0		0.0	0.0	16.8	0.0	5.6	0.0	6.0	0.0	0.0	0.0
31	0.0		0.0		0.0		7.0	11.3		0.0		0.0
Sum	0.0	0.0	50.8	26.0	38.5	45.3	157.4	56.2	28.0	0.0	0.0	0.0
M. Sum	34.5		94.9	113.5	132.9	215.0	300.8	250.8	91.5			
Mean												
Htg.	13.1	TR	30.4	35.1	39.6	40.6	42.7	50.3	25.5			
Date	2	25	26	7	9	4	26	19	17			
Low												
Date												

Copied by: Name _____

Sig. _____

3-9-19

Sig. _____

A handwritten signature is written over a circular official stamp. The stamp contains some illegible text and a central emblem.





NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: SENDRAFA Wereda: Awraja: Region: SIHOA

Alt: Long: Lat: Element: WATER BALANCE Year: 1977

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	2.6	5.2	0.6	0.0	13.5	15.6	37.8	0.0	0.0	0.0
2	10.5	0.2	1.0	0.0	15.5	0.0	8.0	14.0	43.0	0.4	0.0	0.0
3	0.0	0.0	0.0	0.0	2.5	0.0	27.0	12.6	22.4	1.0	0.0	0.0
4	17.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	36.4	0.0	0.0	0.0
5	0.0	0.3	0.0	0.0	3.3	0.0	4.2	32.0	33.4	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	24.5	0.0	18.6	5.0	14.5	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	11.5	1.0	0.0	0.0	0.0	0.0
8	0.0	0.1	0.0	0.0	0.0	1.0	2.0	9.5	0.0	0.0	0.0	0.0
9	0.0	11.5	0.0	0.0	0.0	2.4	15.0	10.9	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	4.9	28.5	19.5	24.0	0.0	0.0	0.0
	27.5	12.1	3.6	5.2	46.4	8.3	128.3	124.1	212.6	1.4	0.0	0.0
11	0.0	7.8	0.0	0.0	0.0	15.2	12.5	3.0	0.5	0.0	0.0	0.0
12	0.5	0.0	0.0	4.7	0.0	0.0	7.5	13.0	9.1	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	21.6	4.6	0.0	0.0	0.0	0.0
14	14.0	0.0	0.0	0.0	0.0	16.4	18.4	0.0	0.0	0.0	0.0	0.0
15	9.0	0.0	0.0	0.0	0.0	12.0	5.7	29.5	1.5	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	7.5	12.8	5.0	5.7	14.2	0.0	0.0
17	0.4	0.0	0.0	0.0	0.0	9.3	4.5	1.5	9.0	0.0	0.0	0.0
18	5.0	0.0	0.0	0.0	0.2	5.5	0.3	11.0	2.9	0.0	0.0	0.0
19	9.0	1.5	0.0	0.0	0.0	3.4	9.5	15.3	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	2.5	29.5	2.0	0.0	0.0	0.0	0.0
	37.9	9.3	0.0	4.7	0.2	72.3	122.3	84.9	28.7	19.7	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	8.8	32.6	8.0	0.0	3.2	11.5	0.0
22	0.0	0.0	0.2	0.0	2.8	5.0	23.6	4.5	0.0	0.3	6.5	0.0
23	0.0	0.0	5.0	0.0	0.5	0.0	5.5	3.0	1.4	2.4	0.0	0.0
24	0.0	0.0	0.0	0.0	17.5	1.0	6.0	14.5	0.0	0.2	0.0	0.0
25	8.0	0.0	0.0	0.0	6.0	4.5	12.6	2.3	0.0	0.0	0.0	0.0
26	3.0	0.0	0.0	0.0	0.0	0.0	20.0	40.2	0.0	36.2	0.0	0.0
27	0.0	0.0	4.3	3.0	0.0	6.0	12.0	0.2	0.0	28.1	0.0	0.0
28	0.0	0.0	5.7	17.5	0.0	31.0	0.0	18.3	0.0	38.6	0.0	0.0
29	0.5		0.0	12.0	0.0	8.2	0.0	37.7	0.0	14.0	0.0	0.0
30	0.0		0.2	0.0	0.0	14.5	13.5	13.5	0.0	3.0	0.0	0.0
31	0.0		0.0		0.0		8.0	33.9		0.0		0.0
Sum	11.5	0.0	18.4	32.5	26.8	79.0	133.8	116.1	1.4	126.5	18.0	0.0
M. Sum	76.9	21.4	22.0	42.4	73.4	159.6	384.4	385.1	242.4	141.1	17.0	0.0
Mcen												
Hig.	17.0	11.5	7.3	17.5	24.5	31.0	32.6	40.2	43.0	38.0	11.5	
Date	14	9	27	28	6	28	21	26	2	28	21	
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: SENDARA Wereda _____ Awraja _____ Region SHOA
 Alt. _____ Long _____ Lat _____ Element Daily Rain fall Year 1978

MT/S/C P. N. 885 327/78

Dno	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0	0.0	0.2	0.0	28.3	0.0	47.5	9.4	25.9	4.8	0.0	0.0	
2	0.0	0.0	2.2	0.0	6.3	0.0	0.0	0.0	7.5	0.0	0.0	0.0	
3	0.0	0.0	1.0	0.0	0.0	0.0	2.9	3.5	10.7	0.0	0.0	0.0	
4	0.0	0.0	14.3	0.0	0.0	0.0	0.7	10.0	20.3	0.0	0.0	0.0	
5	0.0	0.0	6.0	4.5	0.0	0.0	6.8	19.6	x	13.3	0.0	0.0	
6	0.0	0.0	13.1	11.1	0.0	0.0	8.2	15.3	x	44.1	0.0	0.0	
7	0.0	0.0	2.7	1.3	2.1	8.9	21.2	7.0	x	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	x	0.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	0.0	0.0	1.0	7.3		0.0	0.0	0.0	
10	0.0	0.0	8.4	0.0	0.0	0.0	23.1	7.8		0.0	0.0	0.0	
	0.0	0.0	47.9	16.9	36.7	8.9	111.4	79.9	64.4	62.2	0.0	0.0	
11	0.0	0.0	0.0	0.0	0.0	0.0	12.0	6.5	7.3	0.0	0.0	0.0	
12	0.0	0.5	0.0	0.0	0.0	0.0	5.0	17.0	2.9	0.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	0.0	0.0	1.5	5.6	14.3	0.0	0.0	0.0	
14	0.0	9.5	0.0	5.9	0.0	13.3	0.0	14.6	26.3	1.5	0.0	0.0	
15	0.0	0.5	0.0	0.0	0.0	0.6	17.0	43.5	7.2	0.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	8.5	0.0	6.0	3.1	0.0	0.0	0.0	
17	0.5	0.0	0.0	0.0	0.0	8.0	0.0	15.6	0.0	0.0	0.0	0.0	
18	0.0	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19	0.0	5.8	0.0	0.0	0.0	0.0	28.9	18.0	0.0	0.0	0.0	0.0	
20	0.0	12.0	0.0	0.0	0.0	0.0	0.1	2.2	1.8	0.0	0.0	0.0	
	0.5	23.6	0.0	5.9	0.0	30.4	64.5	123.0	62.9	1.5	0.0	0.0	
21	0.0	18.3	0.0	0.5	0.0	6.1	0.0	1.1	1.8	0.0	0.0	0.0	
22	0.0	4.0	0.0	0.0	0.0	1.8	2.4	0.0	2.3	0.0	0.0	0.0	
23	0.0	12.3	0.0	0.0	0.0	5.5	12.0	11.8	1.9	0.0	0.0	0.0	
24	0.0	0.0	0.0	0.0	0.0	10.9	6.0	0.0	1.4	0.0	0.0	0.0	
25	0.0	28.3	0.0	0.0	0.0	0.0	11.5	10.5	0.5	0.0	0.0	0.0	
26	0.0	0.0	0.0	0.0	0.0	0.0	4.6	7.4	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	0.0	81.0	17.5	49.0	0.0	0.0	0.0	0.0	
28	0.0	0.2	0.0	0.0	0.0	11.0	13.9	0.2	0.8	0.0	0.0	0.0	
29	0.0		0.0	10.5	0.0	8.9	11.8	4.7	0.0	0.0	0.0	0.0	
30	0.0		0.0	9.7	0.0	0.0	2.7	0.8	16.5	0.0	0.0	0.0	
31	0.0		0.0		0.0		7.6	0.0		0.0	0.0	0.0	
Sum	0.0	63.1	0.0	20.7	0.0	125.2	90.0	85.5	25.2	0.0	0.0	0.0	
M. Sum	0.5	86.7	47.9	43.5	36.7	164.5	265.9	288.4	152.5	63.7			
Mean													
Hig.		28.3	14.3	11.1	28.3	81.0	47.5	49.0	26.3	44.1			
Date		25	4	6	1	27	1	27	14	6			
Low													
Date													

A.V.A. IV class

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: SENDAPA Element Rain: Fall Year 1979
SHOA

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1		0.0	0.0	23.4	0.0	0.0	14.3	14.8	0.0	0.0	0.0	0.0
2		0.0	0.0	22.4	0.0	0.0	11.3	16.6	0.0	0.0	0.0	0.0
3		0.0	0.0	0.0	0.0	0.0	3.2	11.7	0.0	0.0	0.0	0.0
4		0.0	0.0	0.0	34.4	0.0	6.0	0.0	6.5	0.0	0.0	0.0
5		0.0	0.0	1.2	6.0	0.0	34.6	10.2	10.4	0.0	0.0	0.0
6		0.0	0.0	0.0	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7		0.0	0.0	0.0	3.6	11.9	56.2	38.3	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	4.5	6.0	0.0	18.8	3.2	0.0	0.0	0.0	0.0
9	13.3	0.0	0.0	3.5	4.2	3.4	9.4	20.7	0.0	0.0	0.0	0.0
10	9.2	0.0	0.0	0.0	0.0	0.0	10.2	8.2	0.0	0.0	0.0	0.0
	22.5	0.0	0.0	55.0	68.5	15.3	164.0	123.7	6.5	0.0	0.0	0.0
11	1.0	0.0	7.2	0.0	0.0	0.0	6.6	72.5	0.0	0.0	0.0	0.0
12	0.0	0.0	5.4	0.0	0.0	0.0	0.0	21.0	6.4	0.0	0.0	0.0
13	4.8	0.0	4.7	1.2	0.0	4.3	0.0	25.4	4.3	0.0	0.0	0.0
14	28.7	3.5	0.0	0.0	0.0	0.0	0.0	19.9	10.2	0.0	0.0	0.0
15	13.0	5.1	16.0	0.0	0.0	13.2	0.0	20.0	16.6	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	18.2	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	10.9	37.8	4.8	10.2	2.4	0.0	0.0
18	0.0	0.0	5.0	0.0	0.0	33.4	20.6	0.0	10.3	3.5	0.0	0.0
19	0.0	0.0	3.2	0.0	0.0	8.4	0.0	0.0	2.5	4.0	0.0	12.2
20	8.3	0.0	0.0	0.0	0.0	0.2	3.2	0.0	6.6	0.0	0.0	0.0
	55.8	8.6	36.8	1.2	0.0	70.4	68.2	113.5	55.3	9.9	0.0	12.0
21	0.0	0.0	0.0	0.0	0.0	0.9	20.6	0.0	14.2	0.0	0.0	0.0
22	22.2	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0
23	2.9	0.0	0.0	0.0	2.3	16.8	4.7	10.6	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	6.0	0.0	5.2	0.0	0.0	0.0	0.0	14.2
25	12.4	0.0	0.0	0.0	4.3	4.5	3.4	6.8	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	45.0	0.0	0.0	0.0	0.0	0.0
27	10.9	0.0	0.0	0.0	0.0	0.0	6.2	0.0	6.8	0.0	0.0	0.0
28	7.0	0.0	0.0	0.0	0.0	2.0	17.1	2.3	4.2	0.0	0.0	0.0
29	0.0		33.3	0.0	0.0	1.4	9.6	0.0	4.9	0.0	0.0	0.0
30	0.0		7.5	0.0	0.0	6.5	34.1	0.0	3.6	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
Sum	55.4	0.0	40.8	0.0	12.6	32.1	148.4	19.7	33.7	0.0	0.0	14.2
M. Sun	133.7	8.6	77.6	56.2	81.1	117.8	380.6	256.7	125.9	9.9		56.4
Mean												
Hig.	28.7	5.1	33.3	23.4	34.4	33.4	56.2	38.3	18.2	4.0		14.2
Date	14	15	29	1	4	18	7	7	16	19		24
Low												
Date												

Copied by: Name K. M. M. Sig. [Signature] 3-10-3 ne Sig.

/tm

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: SEKIPADA, Element Rain Fall..... Year 1980.

SHOA-

A-V-A TV class

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	8.9	0.0	2.7	2.1	4.0	12.6	0.0	14.6	0.0	0.0
2	0.0	0.0	6.4	0.0	0.0	1.7	9.0	21.3	13.0	0.0	0.0	0.0
3	0.0	0.0	3.0	0.0	0.0	0.0	30.0	15.4	5.9	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	1.8	0.0	28.0	11.6	5.8	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	47.8	8.0	0.0	7.8	0.0	0.0
6	0.0	0.0	0.0	2.4	7.3	5.8	0.0	54.0	2	0.0	0.0	0.0
7	0.0	0.0	9.8	3.6	0.0	5.1	3.0	0.0	1	0.0	0.0	0.0
8	0.0	0.0	0.0	12.8	0.0	3.9	24.1	14.4	1	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	21.7	0.0	1	0.0	0.0	0.0
10	21.1	0.0	0.0	0.0	0.0	0.0	17.0	5.0	0.0	0.0	0.0	0.0
	31.1	0.0	28.4	18.3	10.0	19.4	156.6	158.7	23.5	28.0	0.0	0.0
11	6.8	0.0	0.0	0.0	0.0	0.0	13.0	16.0	6.6	0.0	0.0	0.0
12	0.0	0.0	0.0	5.6	0.0	0.0	9.2	8.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	2.8	28.0	3.9	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	17.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	8.2	17.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	3.4	0.0	5.5	1.3	14.5	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	12.9	0.0	3.8	4.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	3.5	0.0	4.0	25.5	25.0	8.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	1.3	0.0	29.3	0.0	0.0	0.0	0.0
	6.8	0.0	0.0	42.4	0.0	16.9	69.4	137.8	18.5	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.7	15.3	9.3	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	4.6	0.0	0.0	7.1	11.2	0.0	0.0	0.0	0.0	0.0
24	0.0	23.6	0.0	0.0	0.0	3.3	18.8	10.3	0.0	0.0	0.0	0.0
25	0.0	3.2	0.0	0.6	0.0	1.1	4.0	16.0	7.0	0.0	17.1	0.0
26	0.0	0.0	0.0	0.0	0.0	4.5	5.6	13.2	0.0	0.0	0.0	0.0
27	0.0	8.9	0.0	0.0	0.0	29.0	0.0	6.3	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.6	2.2	0.0	5.3	17.9	0.0	0.0	0.0	0.0
29	0.0	2.8	0.0	0.0	19.0	6.0	27.9	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	3.5	3.9	0.8	0.0	3.4	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	6.1	0.0	3.4	6.5	0.0	0.0	0.0	0.0
Sum	0.0	38.5	4.6	3.5	31.2	52.5	99.5	88.9	7.0	0.0	7.1	0.0
K. Sun	27.9	38.5	32.7	64.9	41.2	88.8	325.3	379.4	49.0	28.0	7.1	0.0
Mean												
High	21.1	23.6	9.8	12.9	19.0	29.0	47.8	54.0	13.0	14.6	7.1	
Date	10	24	7	18	29	27	5	6	2	1	25	
Low												
Date												

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/tm

A-V-A- IV class

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: SENDAPA Element RAIN-Fall Year 1981
SHOA

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	2.1	16.5	0.0	0.0	0.0
2	0.0	0.0	19.5	26.7	0.0	0.0	8.7	4.0	0.0	9.3	0.0	0.0
3	0.0	0.0	23.5	1.6	0.0	0.0	17.5	0.0	7.0	0.0	0.0	0.0
4	0.0	0.0	30.5	0.0	0.0	0.0	7.0	12.9	4.0	0.0	0.0	0.0
5	0.0	0.0	6.3	0.0	0.0	0.0	4.3	5.2	8.0	0.0	0.0	0.0
6	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	1	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	16.0	8.5	<	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	30.4	0.0	<	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	8.1	4.2	<	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.4	<	0.0	0.0	0.0
	0.0	0.0	90.2	28.3	0.0	0.0	96.0	42.3	35.5	9.3	0.0	0.0
11	0.0	8.9	3.4	0.0	0.0	0.0	35.9	28.0	10.4	0.0	0.0	0.0
12	0.0	0.0	5.2	0.0	0.0	0.0	10.2	27.0	0.0	0.0	0.0	0.0
13	0.0	0.0	5.2	0.0	0.0	0.0	0.0	13.0	6.1	0.0	0.0	0.0
14	0.0	0.0	14.8	0.0	0.0	0.0	7.1	19.5	3.4	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	7.4	5.6	16.8	0.0	0.0	0.0
16	0.0	0.0	15.2	1.3	0.0	0.0	24.9	10.9	7.5	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.5	12.6	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	47.8	2.3	5.2	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	36.5	9.1	0.0	0.0	0.0	0.0
20	0.0	0.0	2.5	25.4	0.0	0.0	12.7	3.5	3.7	0.0	0.0	0.0
	0.0	8.9	41.1	26.7	0.0	0.0	188.1	425.4	65.7	0.0	0.0	0.0
21	0.0	0.0	21.1	0.0	0.0	0.0	18.0	7.4	0.0	0.0	0.0	0.0
22	0.0	0.0	11.0	3.6	0.0	0.0	9.0	16.0	0.0	0.0	0.0	0.0
23	0.0	0.0	12.3	16.7	0.0	0.0	13.3	0.0	3.8	0.0	0.0	0.0
24	0.0	0.0	3.1	19.0	0.0	0.0	16.7	6.0	9.1	0.0	0.0	0.0
25	0.0	0.0	7.5	0.0	0.0	0.0	3.0	14.2	15.0	10.0	0.0	0.0
26	0.0	0.0	18.3	0.0	0.0	0.0	14.8	2.6	0.0	0.0	0.0	0.0
27	0.0	0.0	7.5	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	6.0	0.0	0.0	0.0	2.0	15.8	0.0	0.0	0.0	0.0
29	0.0		10.4	0.0	0.0	0.0	27.5	24.0	1.8	0.0	0.0	0.0
30	0.0		12.8	0.0	0.0	0.0	31.0	2.5	0.0	0.0		5.4
31	0.0		5.8		0.0		0.0	0.0		0.0		0.0
Sun	0.0	0.0	115.8	39.3	0.0	24.0	129.5	73.3	24.7	0.0	0.0	5.4
M. Sun	0.0	8.9	247.1	94.3	0.0	24.0	413.6	241.0	125.9	9.3	0.0	5.4
Mean												
Hlg.		8.9	38.5	26.7			12.0	17.8	28.0	16.8	9.3	5.4
Date		11	3	2			24	16	11	15	2	30
Low												
Date												

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 /tm

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: SENOGAFIA Element RAIN Year 1982
SAOP

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	15.0	15.3	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	6.5	8.7	8.0	3.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	18.5	7.5	0.0	3.1	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	15.4	5.7	0.0	20.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	12.6	0.0	0.0	0.0	2.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	7.5	15.1	1	2.3	0.0	0.0
8	0.0	0.0	0.0	2.5	25.1	0.0	0.0	11.7	1	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	13.3	0.0	1.2	2.0	1	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	2.3	0.0	0.0	8.1	1	0.0	0.0	0.0
	2.5	0.0	0.0	2.5	40.4	0.0	61.7	73.8	33.3	36.7	2.0	0.0
11	0.0	18.0	0.0	6.9	10.6	0.0	0.0	4.5	4.5	0.0	0.0	0.0
12	1.4	10.3	0.0	8.1	2.4	0.0	0.0	22.8	6.2	0.0	0.0	1.0
13	13.8	7.6	0.0	8.9	0.0	0.0	2.0	5.7	14.8	4.0	0.0	8.4
14	6.4	0.0	0.0	0.0	3.0	14.0	8.2	9.8	6.0	0.0	0.0	0.0
15	0.0	15.0	0.0	0.0	11.9	0.0	0.0	8.0	0.0	0.0	0.0	0.0
16	15.3	0.0	0.0	0.0	0.0	6.5	2.0	1.3	6.6	0.0	0.0	4.7
17	0.0	0.0	0.0	0.0	0.0	0.0	16.0	6.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	3.7	11.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	4.6	10.2	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.8	3.0	0.0	0.0	0.0
	36.9	44.9	0.0	23.9	27.9	20.5	36.5	101.6	33.5	4.0	0.0	14.1
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	1.2	0.0	0.0	8.5	6.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	4.1	2.7	0.0	14.0	7.0	20.2	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	8.5	6.0	0.0	0.0	0.0	0.0
25	0.0	2.3	0.0	0.0	0.0	2.6	6.5	16.3	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	7.0	5.1	0.0	0.0	12.5	0.0
27	0.0	37.5	0.0	0.0	0.0	1.5	9.8	3.4	0.0	0.0	0.0	0.0
28	0.0	0.0	18.5	0.0	0.0	6.7	54.0	15.6	0.0	0.0	0.0	0.0
29	0.0		10.2	0.0	0.0	0.0	9.5	0.0	0.0	0.0	0.0	0.0
30	0.0		36.1	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		10.1	0.0		0.0		0.0
Sum	0.0	39.8	54.8	5.3	2.7	10.8	127.9	87.4	20.2	0.0	12.5	8.4
M. Sum	39.4	84.7	54.8	31.7	71.5	31.3	226.1	262.8	77.0	40.7	14.5	14.1
Mean												
Hig.	15.3	18.0	26.1	8.9	25.1	14.0	54.0	26.8	20.2	20.0	12.5	8.4
Date	16	11	30	13	8	14	28	20	23	4	26	13
Low												
Date												

Copied by: Name Kipile Sig [Signature] 3-10-6 me Sig...

/tm

10 class

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: SENDAPA Element Rain Fall Year 1983
SMON

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
2	0.0	0.0	0.0	13.4	0.0					1.0	0.0	0.0
3	0.0	18.6	0.0	10.0	0.0					0.0	0.0	0.0
4	0.0	14.5	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
6	0.0	0.0	0.0	2.7	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
8	0.0	0.0	0.0	6.8	+					0.0	0.0	0.0
9	0.0	2.3	0.0	0.0						0.0	0.0	0.0
10	0.0	0.0	0.0	3.4						0.0	0.0	0.0
	0.0	25.4	0.0	36.3	0.0					1.0	0.0	0.0
11	0.0	0.0	1.9	0.0						0.0	0.0	0.0
12	0.0	0.0	0.0	0.0						0.0	0.0	0.0
13	0.0	0.0	14.7	0.0						0.0	0.0	0.0
14	0.0	0.0	7.8	0.0						0.0	0.0	0.0
15	0.0	0.0	0.0	0.0						0.0	0.0	0.0
16	0.0	0.0	0.0	0.0						0.0	0.0	0.0
17	0.0	0.0	0.0	14.7						3.7	0.0	0.0
18	0.0	0.0	0.0	5.6						0.0	0.0	0.0
19	0.0	0.0	0.0	0.0						0.0	0.0	0.0
20	0.0	0.0	0.0	0.0						0.0	0.0	0.0
	0.0	0.0	24.4	20.3						3.7	0.0	0.0
21	0.0	0.0	0.0	0.0						0.0	0.0	0.0
22	0.0	0.0	0.0	0.0						0.0	0.0	0.0
23	0.0	0.0	0.0	0.0						0.0	0.0	0.0
24	0.0	0.0	0.0	27.5						0.0	0.0	0.0
25	0.0	0.0	7.4	0.0						0.0	0.0	0.0
26	0.0	0.0	0.0	0.0						0.0	0.0	0.0
27	0.0	0.0	0.0	7.5						0.0	0.0	0.0
28	0.0	0.0	1.0	0.0						0.0	0.0	0.0
29	0.0		8.3	0.0						0.0	0.0	0.0
30	0.0		2.0	0.0						0.0	0.0	0.0
31	1.4		0.0							0.0		0.0
Sum	1.4	0.0	18.2	35.0						0.0	0.0	0.0
K. Sum	1.4	25.4	18.4	81.6						4.7	0.0	0.0
Mean												
Hig.	1.4	18.6	14.7	27.5						3.7		
Date	31	3	13	24						17		
Low												
Date												

No data
 No data
 No data



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: SENDARA Wereda: _____ Awraja: _____ Region: SHOA
 Alt. 2550 m Long 39° 02' Lat. 09° 10' Elements daily Rain fall Year 1984

MSFC FORM 3078

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	0.0	0.0	4.5	2.0	25.5	9.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	17.4	4.2	0.0	10.3	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	7.6	15.0	0.0	15.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	5.7	0.0	70.6	5.6	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	3.4	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	5.0	6.9	0.0	31.5	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	2.4	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	5.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	1.4	4.0	2.2	0.0	TR	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	4.5	48.5	42.3	46.1	82.2	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	3.2	1.0	10.6	3.0	11.1	0.0	0.0	1.2
12	0.0	0.0	0.0	0.0	5.3	0.0	13.7	3.4	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	24.0	8.0	6.5	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	6.7	2.5	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	3.3	0.0	6.7	9.2	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	1.4	14.1	3.2	0.0	0.0	0.0	0.0
17	0.0	0.0	3.5	0.0	0.0	6.7	20.7	12.4	TR	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	26.4	3.4	38.7	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	4.0	14.8	2.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	2.1	0.0	10.2	0.0	8.3	0.0	0.0	0.0
	0.0	0.0	3.5	0.0	37.0	19.8	153.5	41.8	35.1	0.0	0.0	1.2
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
22	0.0	0.0	40.4	0.0	0.0	17.2	2.1	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	4.5	9.1	6.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	15.0	9.1	4.8	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	5.0	28.2	12.7	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	1.3	0.0	4.2	10.0	21.8	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	9.1	27.3	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	4.5	19.6	3.5	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	8.7	2.4	16.3	10.3	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	9.2	5.3	12.0	11.4	0.0	0.0	0.0	0.0
31	0.0		0.0		5.3		17.0	17.0		0.0		0.0
Sum	0.0	0.0	41.7	0.0	36.9	100.8	143.9	47.0	1.0	0.0	0.0	0.0
M. Sum			45.2		78.4	169.1	339.7	184.9	118.3			1.2
Mean												
Hig.			40.4		26.4	28.2	38.7	70.6	31.5			1.2
Date			22		18	25	18	5	7			11
Low												
Date												

A-V.A.



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: SENDAFA Wereda BEREH Awraja MENAGESHA Region SHOA

All. Long. Lat. Element RAIN FALL Year 1985

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	2.3	0.0	0.0	20.7	5.4	3.2	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	31.0	13.2	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	14.4	0.0	0.0	1.2	15.3	8.2	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	12.5	2.4	0.0	40.1	8.0	10.4	0.0	0.0
5	0.0	0.0	0.0	2.7	9.8	0.0	26.0	3.4	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.4	75.3	0.0	0.0	2.5	3.0	0.4	0.0	0.0
7	0.0	0.0	0.0	0.0	8.0	0.0	2.0	25.0	41.1	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	30.4	0.0	6.5	22.0	3.2	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	12.0	0.0	15.4	9.3	3.3	0.0	0.0	0.0
10	0.0	0.0	0.0	34.4	0.0	0.0	16.5	9.4	3.0	0.0	0.0	0.0
	0.0	0.0	0.0	54.2	148.0	2.4	119.3	145.6	73.0	10.0	0.0	0.0
11	0.0	0.0	0.0	0.4	0.0	3.4	23.2	17.6	0.3	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	11.0	3.3	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	3.4	0.0	0.0	0.0	27.9	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	22.5	5.4	0.0	8.2	15.0	0.2	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	3.2	0.0	22.0	6.6	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	4.3	0.0	0.0	6.0	22.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	2.0	2.7	17.3	10.4	0.0	0.0	0.0
18	0.0	0.0	1.3	0.0	1.3	0.0	3.0	9.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	3.4	16.4	5.2	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	3.2	0.0	0.0	3.6	16.2	8.0	0.0	0.0	0.0
	0.0	0.0	1.3	33.8	9.9	8.8	76.1	140.1	13.9	0.0	0.0	0.0
21	0.0	0.0	0.0	2.0	0.0	2.7	0.0	21.7	6.7	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	27.8	0.0	19.2	3.1	0.0	0.0	0.0
23	0.0	0.0	0.0	40.7	0.0	9.2	5.3	17.0	4.3	0.0	0.0	0.0
24	3.8	0.0	0.0	0.0	0.0	0.0	23.2	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	15.0	0.0	1.2	45.3	18.4	0.0	0.0	0.0	0.0
26	5.7	0.0	0.0	6.2	0.0	3.8	15.0	4.7	0.0	0.0	0.0	0.0
27	0.0	0.0	17.3	3.0	0.0	3.7	7.2	42.9	0.0	0.0	0.0	0.0
28	0.0	0.0	1.6	4.0	0.0	16.8	41.2	0.3	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	15.3	17.2	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	15.0	3.7	0.0	0.0	0.0	0.0
31	0.0	0.0	18.4	0.0	0.0	0.0	6.2	9.3	0.0	0.0	0.0	0.0
Sum	9.5	0.0	37.3	70.9	0.0	65.2	178.7	160.4	14.1	0.0	0.0	0.0
M. Sum	9.5		38.6	158.9	157.9	76.4	374.1	446.1	106.0	10.0		
Mean												
Hig.	5.7		18.4	54.4	75.3	27.8	45.3	48.9	41.1	3.4		
Date	26		31	10	6	22	25	27	7	4		
Low												
Date												

M.A.V.A

4th class



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: SENDAFA Wereda BEREJA Awraja MENEGERSHA Region SHDA

Alt. 2540 M. Long. Lat. Element PARTLY RAINY FALL Year 1986

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	1.0	22.9	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	3.1	50.2	0.0	6.5	11.0	7.0	0.0	0.0	0.0	0.0
3	0.0	0.0	60.9	30.1	0.0	0.0	2.0	34.9	2.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	29.7	3.4	TR	0.0	0.0	0.0
5	0.0	0.0	0.0	1.3	0.0	0.0	4.5	TR	8.5	0.0	0.0	0.0
6	0.0	0.0	0.0	TR	0.0	2.1	2.1	2.4	2.0	0.0	0.0	0.0
7	0.0	TR	0.0	30.8	0.0	3.7	3.5	10.8	30.6	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	25.1	22.4	12.1	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.4	2.0	0.0	0.0	TR
10	0.0	0.0	0.0	0.0	0.0	3.0	10.2	0.0	8.0	0.0	0.0	0.0
11	0.0	0.0	0.0	16.4	9.0	5.0	0.0	0.0	7.8	0.0	0.0	0.0
12	0.0	0.0	0.0	1.4	0.0	0.0	4.0	6.0	17.3	0.0	0.0	0.0
13	0.0	TR	0.0	1.5	0.0	6.2	0.0	0.5	4.4	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	7.2	7.0	9.0	5.0	13.2	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	16.2	0.0	11.7	16.9	0.0	0.0	0.0
16	0.0	2.3	0.0	0.0	0.0	0.0	20.4	7.2	1.5	0.0	0.0	0.0
17	0.0	9.1	1.6	0.0	0.0	4.0	0.0	1.8	5.4	0.0	0.0	0.0
18	0.0	3.2	3.6	3.0	13.0	2.6	0.0	4.2	0.0	0.0	0.0	0.0
19	0.0	0.0	TR	12.4	0.0	12.5	15.7	2.6	0.0	0.0	0.0	0.0
20	0.0	0.0	23.0	5.6	2.1	6.0	7.0	17.2	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	4.4	0.0	8.1	8.9	3.6	11.5	0.0	0.0	0.0
22	0.0	0.0	2.2	0.0	0.0	6.3	7.1	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	16.8	2.5	0.0	0.0	0.0	0.0
24	0.0	4.0	0.0	25.0	0.0	2.8	0.0	7.0	0.0	0.0	0.0	0.0
25	0.0	6.3	0.0	6.0	0.0	0.0	23.4	3.6	0.0	0.0	0.0	0.0
26	0.0	2.2	0.0	0.0	0.0	13.0	0.0	11.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	1.0	24.5	3.0	20.3	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.8	0.0	12.2	3.4	3.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	12.4	50.1	13.5	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	2.0	0.0	6.5	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		8.0	6.0		0.0		0.0
Sum												
M. Sum	0.0	28.1	117.3	193.7	32.3	164.7	270.3	244.5	143.8	0.0	0.0	0.0
Mean												
Hig.		9.1	60.9	50.2	13.6	24.5	29.7	34.9	30.6			
Date		17	3	2	18	27	4	3	7			
Low												
Date												

Copied by: Name Kebede Challa sig. (Signature) 3-10-10 Sig.

A.V.A



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: SENDAPA Wereda BGRBII Awraja MENDIOLA Region SIIUA

Alt. 2540 M. Long. Lat. Element MAX. RAIN FALL Year 1987

STATION FORM NO. 2

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	2.6	0.1	0.0	2.5	5.3	18.0	0.0	7.9	0.0	0.0
2	TR	0.0	0.0	0.0	0.0	0.0	TR	0.4	0.0	0.3	0.0	0.0
3	0.0	0.0	0.0	2.1	0.0	11.2	0.0	0.0	6.2	0.0	0.0	0.0
4	0.0	0.0	0.0	10.0	0.0	1.0	1.3	TR	8.1	0.0	0.0	0.0
5	0.0	0.0	0.6	7.4	0.0	5.9	5.9	24.5	0.0	0.0	0.0	0.0
6	0.0	0.0	0.2	25.8	3.3	0.5	15.3	5.3	0.0	0.0	0.0	0.0
7	0.0	0.0	21.1	4.5	2.1	3.9	12.6	2.0	TR	0.0	0.0	0.0
8	0.0	0.0	2.3	0.1	8.6	6.5	11.3	4.7	17.6	0.0	0.0	0.0
9	0.0	0.0	3.7	6.1	0.0	4.8	11.9	9.2	3.2	0.0	0.0	0.0
10	0.0	0.0	0.6	0.0	0.0	0.5	4.7	2.9	3.0	0.0	0.0	0.0
11	0.0	0.0	0.0	2.8	0.9	4.9	0.0	1.5	10.1	0.0	TR	0.0
12	0.0	0.0	0.0	5.0	0.0	TR	5.9	9.6	11.1	0.0	0.0	0.0
13	0.0	TR	5.3	2.0	0.6	10.2	TR	8.4	0.0	0.0	0.0	0.0
14	0.0	0.0	7.6	0.0	0.0	0.0	3.2	5.3	0.0	0.0	0.0	0.0
15	0.0	0.0	3.9	0.0	0.0	0.0	6.9	3.6	TR	0.0	0.0	0.0
16	0.2	0.0	0.0	0.0	0.0	0.0	3.3	2.2	5.3	0.0	0.0	0.0
17	0.0	TR	8.6	0.0	0.0	0.0	15.5	10.0	TR	0.0	0.0	0.0
18	0.0	0.2	0.0	14.6	0.0	0.0	8.9	6.3	0.0	0.0	0.0	0.0
19	0.0	0.4	22.6	0.0	0.2	0.0	0.4	10.0	0.0	0.0	0.0	0.0
20	0.0	0.2	7.1	0.0	4.5	0.0	1.5	4.0	0.0	0.0	0.0	0.0
21	0.0	2.1	0.0	0.0	12.7	1.0	0.2	0.5	8.5	0.0	0.0	0.0
22	0.0	0.1	0.0	0.0	12.5	0.2	7.2	2.2	12.9	TR	0.0	0.0
23	0.0	23.4	0.0	0.0	23.1	0.0	13.7	2.0	6.5	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	18.7	0.0	13.2	0.0	TR	0.0	0.0	0.0
25	0.0	0.0	25.0	0.0	6.0	0.0	0.0	0.0	0.0	TR	0.0	0.0
26	0.0	4.2	0.5	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
27	0.0	TR	0.1	0.0	15.1	0.0	5.6	4.0	0.0	0.0	0.0	0.0
28	0.0	2.5	6.6	0.0	1.7	TR	7.9	6.5	0.0	0.0	0.0	0.0
29	0.0		5.4	0.0	0.1	TR	TR	TR	1.9	0.0	0.0	0.0
30	0.0		TR	0.0	0.0	2.6	21.3	0.0	10.6	0.0	0.0	0.0
31	0.0		5.1		0.0		28.9	0.0		0.0		0.0
Sum												
M. Sum	0.2	33.1	128.9	80.5	110.1	55.7	233.6	143.6	105.3	8.2	0.0	0.0
Mean												
Hig.		23.4	25.0	25.8	23.1	11.2	23.9	24.5	17.6	7.9		
Date		23	25	6	23	3	31	5	8	1		
Low												
Date												

4th class



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: SENDAFA Wereda: BEREH Awraja: MENDELISHA Region: SAWA
 Alt: 2540M. Long: _____ Lat: _____ Element: RAIG. ROIAL. FALL. Year: 1988

WORLD METEOR. DATA

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0	0.0	0.0	0.0	1.4	17.9	0.0	2.5	0.7	TR	0.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	7.9	12.5	12.6	0.0	0.0	0.0	0.0	
3	0.0	0.0	0.0	0.0	0.0	5.3	11.5	32.6	0.0	0.0	0.0	0.0	
4	0.0	0.0	0.9	0.0	0.0	3.1	62.1	12.1	20.6	0.0	0.0	0.0	
5	0.0	0.0	0.0	8.6	0.0	4.5	1.7	TR	21.0	1.5	0.0	0.0	
6	0.0	0.0	0.0	22.2	0.0	2.1	8.5	0.0	0.0	0.7	0.0	0.0	
7	0.0	TR	0.0	0.0	0.0	0.0	6.9	4.8	28.1	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	0.0	0.0	2.6	7.3	0.0	0.0	0.0	0.0	
9	0.0	1.8	0.0	TR	TR	1.6	15.5	20.4	3.2	0.5	0.0	TR	
10	0.0	2.1	0.0	0.0	0.0	0.0	17.2	9.7	7.6	2.5	0.0	TR	
	0.0	3.8	0.9	30.8	1.4	45.4	138.4	109.0	90				
11	0.0	0.0	0.0	0.0	5.2	5.2	TR	28.2	8.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	7.1	0.0	7.2	16.8	2.0	0.0	0.0	0.0	
13	0.0	11.1	0.0	10.9	8.4	8.5	4.5	10.3	11.2	0.0	0.0	TR	
14	0.0	0.3	0.0	15.1	0.0	2.3	2.5	2.5	0.0	0.0	0.0	0.0	
15	0.0	1.8	0.0	20.3	0.0	0.0	24.2	32.1	25.0	0.0	0.0	0.0	
16	0.0	4.6	0.0	7.2	0.0	0.0	6.9	11.1	11.1	0.0	0.0	0.0	
17	0.0	TR	0.0	5.4	0.0	2.8	3.5	TR	10.5	0.0	0.0	TR	
18	TR	0.0	0.0	TR	0.0	1.3	32.5	0.0	2.3	0.0	0.0	TR	
19	TR	0.0	0.0	0.0	0.0	0.0	5.4	31.5	10.2	0.0	0.0	TR	
20	0.0	0.0	0.0	8.1	0.0	1.6	10.8	7.9	2.5	0.0	0.0	0.0	
	0.0	11.8	0.0	66.6	20.1	21.1	91.3	110.5	103.0				
21	0.0	0.0	0.0	5.8	0.0	TR	3.2	0.0	2.0	0.0	0.0	0.0	
22	0.0	0.0	0.0	8.2	0.0	1.4	7.1	2.9	0.0	0.0	0.0	0.0	
23	0.0	0.0	0.0	10.8	0.0	0.0	20.4	12.5	TR	0.0	0.0	TR	
24	0.0	11.2	0.0	0.0	0.0	0.0	8.9	28.9	2.4	0.0	0.0	TR	
25	0.0	0.0	0.0	3.8	0.0	9.1	2.3	0.0	1.0	0.0	0.0	TR	
26	0.0	0.0	0.0	0.0	0.0	8.7	102.6	0.0	TR	0.0	0.0	0.0	
27	0.0	0.0	0.0	TR	0.0	TR	15.1	10.1	7.5	0.0	0.0	0.0	
28	0.0	0.0	0.0	0.0	0.0	7.8	8.6	11.2	3.2	0.0	0.0	TR	
29	0.0	0.0	0.0	3.7	0.0	3.4	5.9	6.5	20.4	0.0	0.0	TR	
30	0.0		0.0	2.6	0.0	7.1	10.2	8.7	9.3	0.0	0.0	0.0	
31	0.0		0.0		0.0		32.6	0.0		0.0			
Sum	0.0	11.2	0.0	34.9	0.0	37.5	214.9	86.3	4.4	0.0	0.0	0.0	
M. Sum	0.0	32.9	0.9	132.3	22.1	104.6	451.1	502.5	192.4	0.0	0.0	0.0	
Mean													
Hig.		11.1	0.9	22.2	8.4	17.9	102.6	46.2	53.0	2.5			
Days		13	4	6	15	1	26	12	15	10			
Low													
Days													

4th class.



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: SENDAFA Wereda BEREH Awraja MENAGESHA Region SIOA
 Alt. 2540M Long. _____ Lat. _____ Element DAILY MTN. FAIL Year 1989

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	2.7	0.0	0.0	1.0	0.0	3.6	0.0	0.0	0.0
2	0.0	0.0	0.0	0.8	0.0	0.0	1.3	34.7	10.2	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	9.7	6.4	10.8	0.0	0.0	0.0
4	0.0	TR	0.0	TR	0.0	0.0	10.3	10.4	8.5	0.0	0.0	0.0
5	0.0	0.1	0.0	8.4	0.0	1.7	12.2	10.1	15.8	0.0	0.0	0.0
6	TR	1.9	0.0	0.0	0.0	0.0	3.1	22.9	18.3	0.0	0.0	0.0
7	0.0	1.2	0.0	0.0	0.0	2.1	18.6	TR	9.5	0.0	0.0	0.3
8	0.0	2.2	0.0	1.8	0.0	7.5	10.2	19.6	4.2	0.0	0.0	0.0
9	TR	0.0	0.0	0.0	0.0	0.1	22.6	15.7	5.4	0.0	0.0	TR
10	0.0	4.9	0.0	1.6	0.0	2.7	3.4	30.2	12.5	0.0	0.0	0.0
	0.0	10.3	0.0	15.3	0.0	14.1	99.4	15.0	93.2	0.0	0.0	0.3
11	0.0	0.0	0.0	1.7	0.0	4.6	3.4	10.3	3.8	0.0	0.0	0.0
12	0.0	0.0	0.0	1.6	0.0	TR	3.2	10.4	5.2	0.0	0.0	0.0
13	0.0	0.0	TR	0.0	10.2	7.6	2.4	4.2	10.4	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	TR	10.2	8.5	2.1	0.0	0.0	0.0
15	TR	0.0	3.5	0.0	0.9	0.1	5.7	TR	TR	0.0	0.0	0.0
16	14.8	0.0	16.2	0.0	0.0	0.0	9.5	3.4	0.0	0.0	0.0	TR
17	3.2	0.0	3.7	0.0	0.0	0.0	4.6	3.3	4.1	0.0	0.0	0.3
18	TR	0.0	TR	TR	0.0	0.0	72.6	22.4	0.0	10.2	0.0	0.0
19	0.0	0.0	0.0	2.4	0.0	0.0	7.2	10.2	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	15.7	0.0	0.0	20.4	12.3	5.4	0.0	0.0	0.0
	18.0	0.0	23.4	21.4	11.1	12.3	134.9	85.0	32.5	10.2	0.0	0.3
21	0.0	0.0	0.0	15.6	0.0	0.0	10.2	15.4	2.3	0.0	0.0	0.0
22	TR	0.0	1.8	11.6	0.0	0.0	5.9	7.4	1.2	0.0	0.0	0.0
23	TR	0.0	9.2	22.7	10.3	0.0	30.7	8.1	TR	0.0	0.0	0.0
24	TR	0.0	3.5	9.0	0.0	0.0	10.2	9.2	7.1	0.0	0.0	0.0
25	0.0	0.0	0.0	7.0	0.0	13.6	6.7	20.2	0.0	0.0	0.4	0.0
26	0.0	0.0	0.0	6.8	0.0	0.0	10.4	30.1	0.0	0.0	0.0	0.0
27	0.0	0.0	TR	2.6	0.0	TR	11.2	5.2	0.0	0.0	0.0	0.0
28	TR	0.0	1.1	0.0	0.0	0.0	10.9	3.1	0.0	0.0	0.0	0.0
29	TR	0.0	TR	0.0	0.0	1.2	12.4	4.2	0.0	0.0	0.0	0.0
30	0.0	0.0	2.7	0.0	0.0	5.1	8.2	1.5	0.0	0.0	0.0	0.0
31	0.0	0.0	1.6	0.0	0.0	0.0	1.4	TR	0.0	0.0	0.0	0.0
Sum	0.0	0.0	19.9	35.3	10.3	19.9	118.2	164.4	10.6	0.0	0.4	0.0
M. Sum	18.0	10.3	43.3	112.0	21.4	46.3	351.2	339.4	139.9	10.2	0.0	0.6
Mean												
Hig.	14.8	4.9	16.2	22.7	10.3	13.6	72.6	34.7	18.3	10.2	0.4	0.3
Date	16	10	16	23	23	25	18	2	6	18	25	7
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Sandafa Wereda: Awraja Region: Amhara
 Alt. 2420 Long. 39.00 Lat. 9.09 Element July 1990 Year 1990

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	00	00	0.0	18.2	0.0	14.6	2.0	20.0		1.4	0.0	0.0
2	00	2.0	TR	10.0	00	2.4	TR	22.0		0.3	0.0	0.0
3	00	1.5	0.1	8.1	00	1.5	11.4	12.3		0.0	0.0	0.0
4	00	TR	9.3	TR	00	TR	00	16.2		2.1	0.0	0.0
5	00	2.1	7.5	0.0	00	2.2	2.4	20.2		0.0	0.0	0.0
6	00	5.5	0.0	30.3	00	TR	2.5	25.1		0.0	0.0	0.0
7	00	8.2	TR	10.2	0.0	3.0	4.2	17.2		0.0	0.0	0.0
8	00	TR	0.0	24.1	00	5.0	2.0	13.2		0.0	0.0	0.0
9	00	19.2	0.0	25.3	00	00	1.8	12.3		0.0	0.0	0.0
10	00	8.2	00	14.4	00	00	4.2	10.2		0.0	0.0	0.0
	0.0	41.8	16.9	146.0	0.0	38.7						
11	00	3.2	0.0	00	2.5	00	12.2	20.4		0.0	2.4	0.0
12	00	00	0.0	00	3.4	00	8.2	24.5		0.0	0.0	0.0
13	00	00	00	0.0	00	00	8.4	8.4		0.0	0.0	0.0
14	00	00	00	00	00	00	20.4	22.2		0.0	0.0	0.0
15	0.0	TR	0.0	00	00	8.7	14.4	20.4		0.0	0.0	0.0
16	18.1	19.6	00	0.0	00	5.7	00	42.5		0.0	0.0	0.0
17	3.4	0.1	0.0	TR	00	TR	12.0	28.1		0.0	0.0	0.0
18	TR	2.1	0.0	00	0.0	00	11.0	14.0		0.0	0.0	0.0
19	0.0	8.1	00	0.0	00	8.2	13.1	9.4		0.0	0.0	0.0
20	00	50.6	00	00	00	2.1	24.8	18.6		0.0	0.0	0.0
	21.5	88.7	0.0	0.0	5.9	24.7	134.5	208.5			2.4	
21	00	7.3	00	TR	00	14.6	TR	23.7		0.0	0.0	0.0
22	00	TR	00	00	00	00	5.9	5.3		0.0	0.0	0.0
23	0.0	6.5	00	4.3	00	00	21.4	12.1		0.0	0.0	0.0
24	0.0	10.2	00	0.0	00	00	10.2	17.7		0.0	0.0	0.0
25	00	16.4	00	1.2	00	TR	8.8	1.6		0.0	0.0	0.0
26	00	3.5	0.0	2.3	00	7.2	6.3	5.0		0.0	0.0	0.0
27	00	TR	0.0	00	00	00	4.3	2.3		0.0	0.0	0.0
28	00	11.0	0.0	00	00	00	13.6	10.2		0.0	0.0	0.0
29	0.0		0.0	00	14.6	0.0	17.2	6.4		0.0	0.0	0.0
30	00		17.4	00	17.7	13.3	8.2	8.4		0.0	0.0	0.0
31	00		1.4		TR		22.5	0.0		0.0		0.0
Sum	0.0	54.9	18.8	7.8	32.3	35.1	118.4	99.7		2.1	2.4	1.0
M. Sum	21.5	190.4	35.7	148.4	38.2	88.5	373.4	116.4		5.8	2.4	1.1
Mean												
Hig.	18.1	50.6	17.4	25.3	17.7	14.6	24.8	42.5		2.1	2.4	
Date	16	20	30	9	30	1	20	16		4	11	
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

17k

Station: SONDAFA Wereda: _____ Awraja: BEREH Region: Shee
 Alt. 2540 m Long. _____ Lat. _____ Element: DAILY RAINFALL Year: 1991

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	0.0				5.1	15.1	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0				0.0	20.1	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0				0.0	21.7	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0				8.3	16.1	5.1	0.0	5.6
5	0.0	0.0	4.2	0.0				3.0	3.0	4.0	0.0	0.0
6	0.0	0.0	0.0	0.0				1.0	0.0	0.0	0.0	0.0
7	6.6	1.1	0.0	0.0				0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0				2.2	4.8	0.0	0.0	0.0
9	0.0	2.1	32.8	0.0				6.4	20.9	0.0	0.0	0.0
10	0.0	3.2	34.7	0.0				3.5	0.0	0.0	0.0	0.0
	6.6	6.4	71.7	0.0				5.0	10.2	7.0	0.0	0.0
11	0.0	2.5	22.5	0.0				1.1	10.6	0.0	0.0	0.0
12	0.0	0.5	11.6	0.0				4.1	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0				3.3	3.5	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0				0.6	3.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0				3.5	4.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0				14.5	2.8	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0				10.1	2.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0
19	0.0	5.5	0.0	0.5				3.6	3.4	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0				28.4	1.5	0.0	0.0	0.0
	0.0	0.0	34.1	0.5				0.0	0.0	0.0	0.0	0.0
21	0.0	2.2	0.0	0.0				26.0	2.5	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0				16.3	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0				6.3	0.0	0.0	0.0	0.0
24	0.0	1.3	3.3	0.0				10.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0				5.0	0.0	0.0	0.0	0.0
26	3.3	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0				6.6	0.0	0.0	0.0	0.0
28	0.0	2.1	0.0	0.0				6.7	0.0	0.0	0.0	0.0
29	0.0		3.0	0.0				14.3	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0				0.0	0.0	0.0	0.0	0.0
31	0.0		0.0					23.0		0.0		0.0
Sum	9.1	5.6	10.3	6.0				111.0	111.0	0.0	0.0	0.0
M. Sum	15.9	20.5	118.1	0.5				272.5	148.5	0.0	0.0	0.0
Mean												
Fig.	9.3	5.5	34.7	0.5				28.1	21.7	5.1		5.6
Date	26	19	10	19				20	3	1		9
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Sendafa Wereda: _____ Awraja: _____ Region: SHOA
 Alt. 2540m Long: _____ Lat: _____ Element Daily Reins. fall year 1992

STATION FORM NO. 29

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	1.5	0.0	0.0	20.0	7.9	17.1	0.0	0.0	0.0
2	0.0	5.6	0.0	1.6	0.0	0.0	7.4	41.3	9.1	TR	0.0	0.0
3	0.0	13.0	0.0	0.0	0.0	0.0	7.8	12.3	5.4	0.0	0.0	0.0
4	0.0	4.1	0.0	0.0	0.0	0.0	TR	42.4	8.8	0.0	0.0	0.0
5	0.0	9.1	0.0	0.0	0.0	0.0	4.3	7.4	6.1	0.0	0.0	0.0
6	0.0	6.0	0.0	0.0	0.0	0.0	7.2	7.5	7.4	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	12.6	12.4	25.5	0.0	TR	0.0	0.0
8	0.0	0.0	0.0	0.0	21.1	15.6	1.5	1.2	7.6	12.5	0.0	0.0
9	0.0	1.9	0.0	0.0	0.0	0.0	10.0	1.6	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	7.6	12.2	4.5	40.0	0.0	0.0
	0.0	39.7	0.0	3.1	21.1	28.2	72.2	151.3	66.1	22.5	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	6.7	16.6	6.5	3.0	0.0	0.0
12	0.0	0.0	0.0	0.0	10.1	4.0	2.9	1.6	22.6	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	4.4	20.0	12.4	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	TR	1.8	11.5	18.1	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	8.1	1.7	TR	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	18.1	6.7	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	21.1	25.4	6.3	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	1.3	27.7	10.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	8.3	5.7	21.9	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	11.3	TR	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	10.4	8.4	99.6	107.3	85.4	3.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TR	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	10.0	3.9	0.0	0.0	0.0	0.0
23	0.0	6.8	0.0	18.0	0.0	0.0	6.1	16.1	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	6.0	1.3	0.0	25.0	1.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	2.0	TR	0.0	2.8	0.0	0.0	0.0	0.0	0.0
26	TR	0.0	0.0	0.0	0.0	4.0	TR	1.2	0.0	0.0	0.0	0.0
27	2.1	0.0	0.0	0.0	0.0	10.0	TR	4.3	0.0	0.0	0.0	0.0
28	3.0	0.0	0.0	0.0	0.0	0.0	17.7	22.7	TR	0.0	0.0	0.0
29	3.5	0.0	0.0	0.0	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0
30	2.1	0.0	0.0	0.0	0.0	19.0	18.1	TR	0.0	0.0	0.0	0.0
31	TR	0.0	0.0	0.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0
Sum	10.7	16.8	0.0	26.0	1.3	33.0	74.7	84.3	0.0	0.0	0.0	0.0
M. Sum	10.7	46.5	0.0	29.1	32.5	69.6	257.5	357.9	151.4	55.5	0.0	0.0
Mean												
Hig.	3.5	18.0	0.0	18.0	21.1	19.0	25.0	42.4	22.6	40.0		
Date	29	3	31	23	8	30	24	4	12	10		
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Sendafa Wereda _____ Awraja _____ Region SHOA
 Alt. _____ Long. _____ Lat. _____ Element Daily Rainfall Year 1993

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0		4.6	✓	9.5	27.2	1.2	3.5	0.0	0.0
2	0.0	0.0	0.0				9.6	10.0	26.0	5.0	0.0	0.0
3	0.0	0.0	0.0				6.2	28.2	29.0	0.0	0.0	0.0
4	0.0	0.0	0.0				9.0	15.3	20.6	TR	0.0	0.0
5	0.0	9.0	0.0				4.0	2.4	TR	0.0	0.0	0.0
6	0.0	3.0	0.0				0.0	32.9	TR	TR	0.0	0.0
7	0.0	0.0	0.0				1.4	1.6	0.0	0.0	0.0	0.0
8	0.0	1.5	0.0				40.0	TR	25.6	0.0	0.0	0.0
9	0.0	13.0	0.0				23.5	0.0	0.0	0.0	0.0	0.0
10	0.0	10.0	0.0				48.8	1.4	0.0	0.0	0.0	0.0
	0.0	36.5	0.0				152.0	119.0	102.0	8.5	0.0	0.0
11	0.0	39.5	0.0				23.6	TR	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0				20.5	14.3	TR	0.0	0.0	0.0
13	0.0	0.0	0.0				10.4	15.6	4.6	0.0	0.0	0.0
14	0.0	0.0	0.0				10.1	22.5	8.2	0.0	0.0	0.0
15	0.0	0.0	0.0				6.1	0.0	TR	0.0	0.0	0.0
16	0.0	0.0	0.0				4.8	2.7	4.6	0.0	0.0	0.0
17	0.0	0.0	0.0				20.0	0.0	TR	0.0	0.0	0.0
18	0.0	0.0	0.0				37.4	10.7	1.6	0.0	0.0	0.0
19	0.0	0.0	0.0				15.6	16.1	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0				1.4	23.3	0.0	0.0	0.0	0.0
	0.0	39.5	0.0				149.9	105.0	19.0	0.0	0.0	0.0
21	0.0	0.0	0.0				0.0	16.3	TR	0.0	0.0	0.0
22	0.0	0.0	0.0				10.7	22.0	0.0	1.2	0.0	0.0
23	0.0	0.0	0.0				24.4	6.5	0.0	0.0	0.0	0.0
24	2.8	0.0	0.0				22.0	3.9	0.0	0.0	0.0	0.0
25	0.0	10.0	0.0				10.5	1.2	0.0	4.0	0.0	0.0
26	0.0	19.2	0.0				2.0	3.5	7.0	0.0	0.0	0.0
27	0.0	0.0	0.0				21.8	3.2	20.0	0.0	0.0	0.0
28	0.0	0.0	0.0				13.5	TR	10.0	0.0	0.0	0.0
29	0.0	0.0	0.0				13.4	30.6	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0				29.9	12.2	0.0	0.0	0.0	0.0
31	1.5	0.0	0.0				7.1	29.6	0.0	0.0	0.0	0.0
Sum	4.3	29.2	0.0				155.3	129.0	37.4	5.2	0.0	0.0
M. Sum	4.3	105.2					452.2	353.0	158.4	13.7		
Mean												
Hig.	2.8	39.5					48.8	32.9	29.0	5.0		
Date	24	11					10	6	3	2		
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Sendafa 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	0.0	0.0	0.0	0.0	20.0	10.2	14.5	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	11.2	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	13.4	0.0	0.0	0.0
4	0.0	0.0	0.0	2.5	0.0	10.2	19.0	4.3	TR	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.5	TR	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.3	2.3	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	86.8	1.3	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	12.0	17.8	21.1	0.0	0.0	6.4	0.0
10	0.0	0.0	0.0	0.0	8.0	10.0	0.0	20.5	TR	0.0	0.0	0.0
	0.0	0.0	0.0	2.5	8.0	32.3	115.7	73.5	41.4	0.0	6.4	0.0
11	0.0	0.0	0.0	0.0	3.0	11.0	8.7	4.3	1.5	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	9.5	10.0	9.4	4.1	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	3.0	4.2	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	5.0	3.7	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	6.0	5.0	2.3	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	10.0	0.0	10.0	11.2	10.0	12.4	0.0	0.0	0.0
17	0.0	0.0	0.0	7.5	0.0	0.0	4.5	0.0	4.6	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	1.6	19.7	9.4	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	5.0	0.0	8.0	11.2	5.0	8.3	0.0	0.0	0.0
20	0.0	0.0	0.0	10.5	0.0	TR	4.0	13.3	6.9	0.0	0.0	0.0
	0.0	0.0	0.0	33.0	3.0	46.1	80.3	53.3	31.0	0.0	0.0	0.0
21	0.0	0.0	0.0	10.0	0.0	TR	10.0	9.4	11.1	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	15.6	2.3	24.9	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	3.1	18.6	1.5	2.3	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	5.0	10.5	3.4	4.5	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	5.5	4.7	5.1	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	18.6	0.0	4.6	20.0	2.5	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	1.3	15.5	6.7	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	10.3	20.0	10.1	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	7.0	21.9	2.1	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	5.7	3.3	3.2	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	5.5	11.4	0.0	0.0	0.0	0.0
Sum	0.0	0.0	0.0	28.1	0.0	44.4	151.6	57.7	42.8	0.0	0.0	0.0
M. Sum				64.1	11.0	122.7	331.9	184.1	122.1	0.0	6.4	0.0
Mean						122.7						
Hig.				18.6	8.0	12.0	81.8	20.5	24.9		6.4	
Date				26	10	9	8	10	22		9	
Low												
Date												



NATIONAL METEOROLOGICAL SERVICES AGENCY 4th

Station: Serdafa Wereda: _____ Awraja: _____ Region: SHDA
 Alt. _____ Long. _____ Lat. _____ Element: Daily Rain Fall Year: 1995

COMMERCIAL P. E. 4300/786

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	18.0	0.0	0.0	5.1	13.3		0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	2.7	11.4		0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	7.3	12.4		0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	TR	39.6		0.0	0.0	0.0
5	0.0	0.0	1.5	4.3	16.4	0.0	7.2	8.4		0.0	0.0	0.0
6	0.0	0.0	1.2	11.2	0.0	0.0	1.3	9.3		0.0	0.0	0.0
7	0.0	0.0	46.6	8.4	0.0	0.0	6.3	TR		0.0	0.0	0.0
8	0.0	3.4	0.0	0.0	0.0	0.0	19.6	11.8		0.0	0.0	0.0
9	0.0	1.7	19.4	0.0	0.0	0.0	15.6	11.4		0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	5.4	1.9		0.0	0.0	0.0
	0.0	5.1	68.7	41.9	16.4	0.0	67.5	125.5		0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	6.7	22.6		0.0	0.0	0.0
12	0.0	2.9	0.0	0.0	0.0	0.0	23.1	1.4		0.0	0.0	0.0
13	0.0	1.3	0.0	0.0	0.0	0.0	15.6	10.0		0.0	0.0	0.0
14	0.0	0.0	0.0	14.0	0.0	0.0	5.4	21.6		0.0	0.0	0.0
15	0.0	2.1	0.0	2.1	0.0	0.0	1.3	TR		0.0	0.0	0.0
16	0.0	0.0	0.0	8.2	0.0	0.0	13.7	10.0		0.0	0.0	0.0
17	0.0	0.0	0.0	11.3	0.0	0.0	17.8	21.0		0.0	0.0	0.0
18	0.0	0.0	6.8	5.4	26.0	0.0	3.5	7.6		0.0	0.0	0.0
19	0.0	0.0	11.4	21.2	0.0	0.0	1.4	0.0		0.0	0.0	0.0
20	0.0	0.0	9.3	0.0	0.0	0.0	TR	1.1		0.0	0.0	0.0
	0.0	6.3	27.5	62.2	26.0	0.0	83.5	167.4		0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	2.3	8.4		0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	6.3	15.5		0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	2.4	5.3	11.1		0.0	0.0	0.0
24	0.0	0.0	0.0	10.2	0.0	6.3	20.4	0.0		0.0	0.0	0.0
25	0.0	0.0	0.0	2.4	0.0	1.9	3.4	17.3		0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	2.0	2.5	0.0		0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	3.7	8.0	18.6		0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	4.2	TR	0.0		0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	3.5	1.3		0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	TR	18.6	10.2		0.0	0.0	0.0
31	0.0		0.0		0.0		2.5	13.6		0.0		0.0
Sum	0.0	0.0	0.0	167.6	0.0	22.5	24.2	25.6		0.0	0.0	0.0
M. Sum	0.0	11.4	96.2	116.7	42.4	22.5	230.5	388.8		0.0	0.0	0.0
Mean			36.2									
Htg.		3.4	46.6	21.2	26.0	6.3	23.1	11.8				
Diste		8	7	19	18	24	12	8				
Low												
Date												

Copied by: Name _____ Sig. _____ 3-10-19 _____ Sig. _____
 /un.

4/24

NATIONAL METEOROLOGICAL SERVICES AGENCY

Station: Sandaga Woreda: _____ Amhara Region: SIWA

All: _____ Long _____ Lat _____ Element: Staily Rain Fall Year: 1996

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	20.4	0.0	6.0			0.0	0.0	18.8	10.5	0.0	0.0	0.0
2	3.5	0.0	0.0			6.8	0.0	4.9	33.6	0.0	0.0	0.0
3	3.0	1.4	0.0			0.0	0.0	18.2	6.0	0.0	0.0	0.0
4	1.5	0.0	0.0			21.8	1.5	6.7	5.4	0.0	0.0	0.0
5	0.0	0.0	0.0			28.4	7.9	24.4	6.8	0.0	0.0	0.0
6	0.0	0.0	0.0			16.5	11.2	30.1	0.0	0.0	0.0	0.0
7	0.0	0.0	7.2			3.6	8.1	5.2	0.0	0.0	0.0	0.0
8	0.0	0.0	10.0			1.9	2.4	4.6	0.0	0.0	0.0	0.0
9	0.0	0.0	10.0			3.4	6.4	11.4	6.5	0.0	0.0	0.0
10	0.0	0.0	9.2			2.6	7.1	2.9	0.0	0.0	0.0	0.0
	28.4	1.4	36.4			71.6	45.2	151.1	63.5	0	0	0
11	24.0	0.0	2.1			0.0	10.4	2.6	0.0	0.0	0.0	0.0
12	0.0	0.0	8.2			4.6	21.2	10.4	0.0	0.0	0.0	0.0
13	0.0	0.0	1.4			29.0	26.5	22.5	4.8	0.0	0.0	0.0
14	0.0	0.0	0.0			1.2	18.4	0.0	6.5	0.0	0.0	0.0
15	0.0	0.0	0.0			0.0	21.2	2.4	0.0	0.0	0.0	0.0
16	0.0	0.0	2.3			5.9	7.2	7.6	0.0	0.0	0.0	0.0
17	14.0	0.0	11.1			0.0	9.0	21.4	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0			2.1	2.1	6.7	4.3	0.0	0.0	0.0
19	0.0	0.0	0.0			4.7	42.9	7.2	6.4	0.0	0.0	0.0
20	0.0	0.0	0.0			1.5	13.2	22.0	8.2	0.0	0.0	0.0
	41.0	0.0	25.1			49.0	192.9	104.8	30.2	0.0	0.0	0.0
21	0.0	0.0	0.0			1.6	9.4	21.2	3.8	0.0	0.0	0.0
22	0.0	0.0	0.0			4.2	16.0	13.9	5.8	0.0	0.0	0.0
23	0.0	0.0	0.0			8.7	11.9	18.4	12.7	0.0	0.0	0.0
24	0.0	0.0	0.0			8.4	2.1	6.9	4.9	0.0	0.0	0.0
25	0.0	0.0	19.4			10.2	7.2	0.0	0.0	0.0	0.0	0.0
26	0.0	4.2	10.5			10.0	28.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	1.4			0.0	0.0	2.3	0.0	0.0	0.0	0.0
28	0.0	0.0	6.5			0.0	14.8	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0			0.0	0.0	4.4	0.0	0.0	0.0	0.0
30	0.0		0.0			10.4	4.5	18.8	1.2	0.0		0.0
31	0.0		0.0				21.4	14.2		0.0		0.0
Sum	0.0	4.2	31.8			53.8	101.1	102.6	17.4	0.0	0.0	0.0
N. Sum	69.4	5.6	99.3			180.4	337.2	338.0	111.4			
Mean												
Hig.	24.0	4.2	19.4			29.0	47.2	30.1	33.6			
Date	11	26	25			13	12	6	2			
Low												
Date												

NATIONAL METEOROLOGICAL SERVICES AGENCY.

STATION SULULTA / S.M.A.

ELEMENT: ^{Part} Rain-fall (mm)

YEAR: 1983.

Date	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	0.0	0.0	9.5	0.0	0.0	11.3	0.0	4.4	22.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	4.5	10.5	0.0	15.0	0.0	0.0	0.0	0.0	
3	0.0	3.1	0.0	TR	0.0	13.0	0.0	13.5	0.0	0.0	0.0	0.0	
4	0.0	6.6	0.0	9.5	0.0	3.0	2.0	9.0	1.5	0.0	0.0	0.0	
5	0.0	2.4	0.0	8.9	9.6	0.0	0.0	0.0	2.0	0.0	1.8	0.0	
6	0.0	0.0	0.0	0.0	5.5	0.0	0.0	7.0	10.2	0.0	0.0	0.0	
7	0.0	0.0	0.0	4.3	0.0	0.0	0.0	38.0	2.8	TR	TR	0.0	
8	0.0	0.0	0.0	8.8	6.4	0.0	8.1	6.4	2.0	0.0	1.5	0.0	
9	0.0	10.2	0.0	9.2	0.0	0.0	0.0	10.1	7.6	0.0	0.0	0.0	
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	17.0	0.0	0.0	0.0	
11	0.0	0.0	0.0	8.4	0.0	0.0	1.5	7.9	2.7	0.0	0.0	0.0	
12	0.0	0.0	5.8	TR	0.0	0.0	0.0	9.6	11.2	0.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	10.5	0.0	8.0	10.2	15.7	0.0	7.0	0.0	
14	0.0	0.0	0.0	0.0	13.4	0.0	3.0	8.9	1.2	0.0	2.3	0.0	
15	0.0	0.0	0.0	0.0	6.0	0.0	7.4	0.0	2.6	0.0	0.0	0.0	
16	0.0	6.4	0.0	0.0	5.5	0.0	16.0	7.0	20.5	0.0	0.0	0.0	
17	0.0	0.0	0.0	7.8	19.0	6.0	30.5	9.6	5.5	8.0	2.1	0.0	
18	0.0	0.0	0.0	4.0	0.0	5.0	7.4	4.5	2.0	0.0	0.0	0.0	
19	0.0	0.0	0.0	3.0	9.6	10.5	25.4	2.0	2.4	0.0	0.0	0.0	
20	0.0	8.5	0.0	5.5	10.0	0.0	9.7	6.0	TR	0.0	0.0	0.0	
21	0.0	7.3	0.0	0.0	0.0	0.0	16.9	4.7	0.0	0.0	0.0	0.0	
22	0.0	0.0	0.0	0.0	0.0	5.0	7.9	8.5	0.0	0.0	0.0	0.0	
23	2.4	0.0	TR	0.0	5.0	0.0	17.0	7.4	0.0	0.0	0.0	0.0	
24	0.0	0.0	0.0	0.0	10.2	0.0	2.8	14.5	0.0	0.0	0.0	0.0	
25	0.0	0.0	0.0	0.0	2.5	0.0	5.4	2.7	0.0	0.0	0.0	TR	
26	0.0	0.0	0.0	0.0	6.0	9.1	8.2	5.3	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	13.0	9.0	11.2	19.5	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	0.0	4.0	4.0	4.2	9.5	6.0	0.0	0.0	0.0	
29	6.0		0.0	0.0	0.0	8.0	7.1	11.1	TR	0.0	0.0	0.0	
30	0.0		0.0	0.0	10.0	7.6	23.0	6.7	0.0	0.0	0.0	0.0	
31	0.0		0.0		6.0		7.6	4.6		0.0		0.0	
	02.4	44.5	2.5	69.7	156.7	102.0	233.3	169.6	134.9	08.0	14.7	TR	Total
	2.4	10.2	2.5	9.5	19.0	13.0	30.5	38.0	22.0	8.0	7.0	TR	Mean
	23	09	1	24	17	3	17	7	1	17	13	25	Highest
													Date
													Lowest
													Date
													Number of

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