

附属資料12 人口分布図

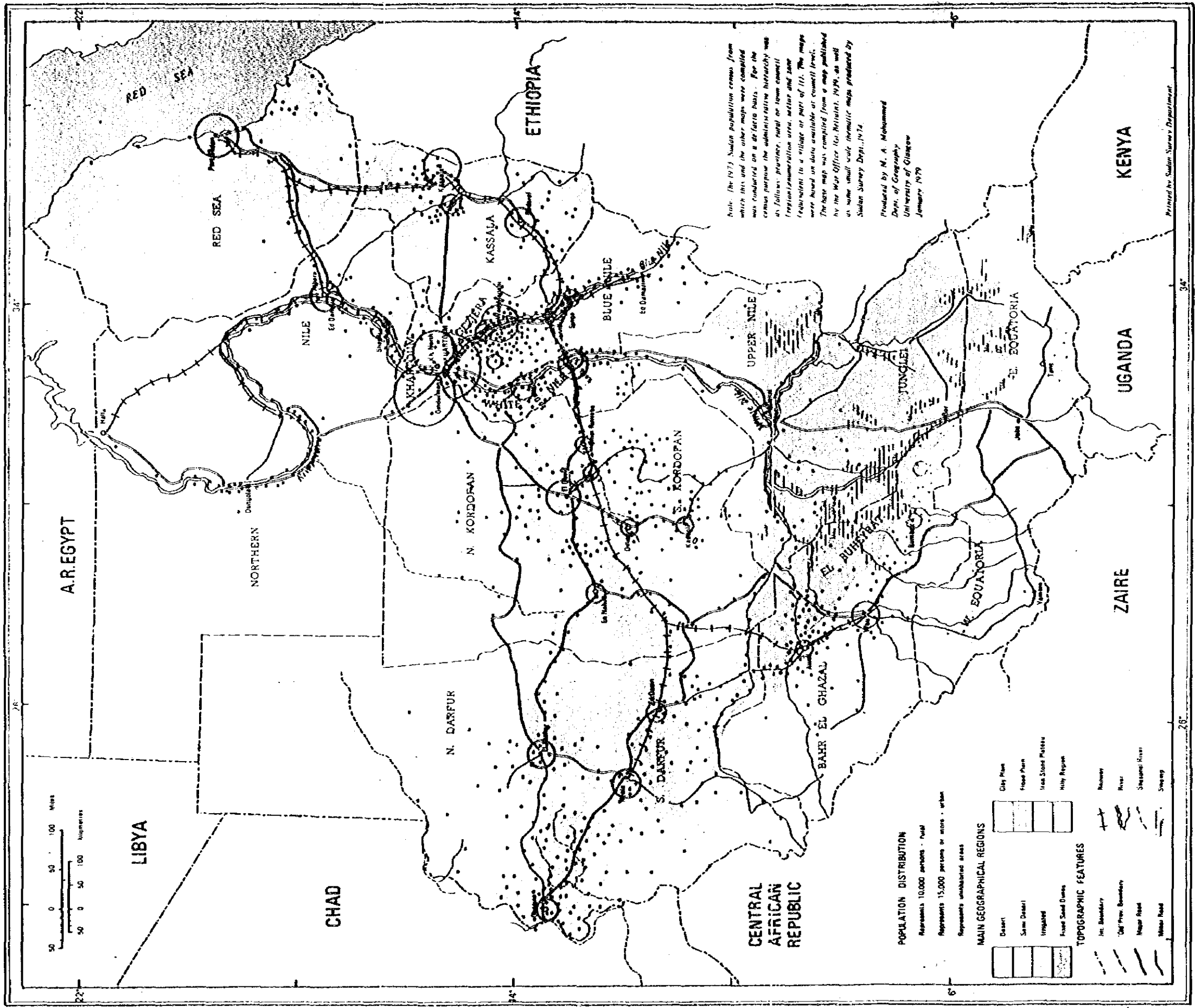
# SUDAN

## POPULATION DISTRIBUTION

2nd April 1973

1 : 8,000,000

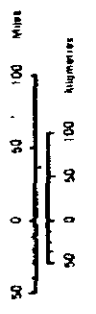
MAP 1



Note: The 1973 Sudan population census from which this and the other maps were compiled was conducted on a district basis. For the census purpose the administrative hierarchy was as follows: province, rural or town council (representative area), sector and zone (subdivided in a village or part of it). The maps were based on data available at council level. The base map was compiled from a map published by the War Office (No. N10101), 1959, as well as some small scale thematic maps produced by Sudan Survey Dept., 1972.

Produced by M. A. Mohammed  
 Dept. of Geography  
 University of Glasgow  
 January 1979

Printed by Sudan Survey Department



**POPULATION DISTRIBUTION**  
 Represents 10,000 persons - rural  
 Represents 15,000 persons or more - urban  
 Represents unhabited areas

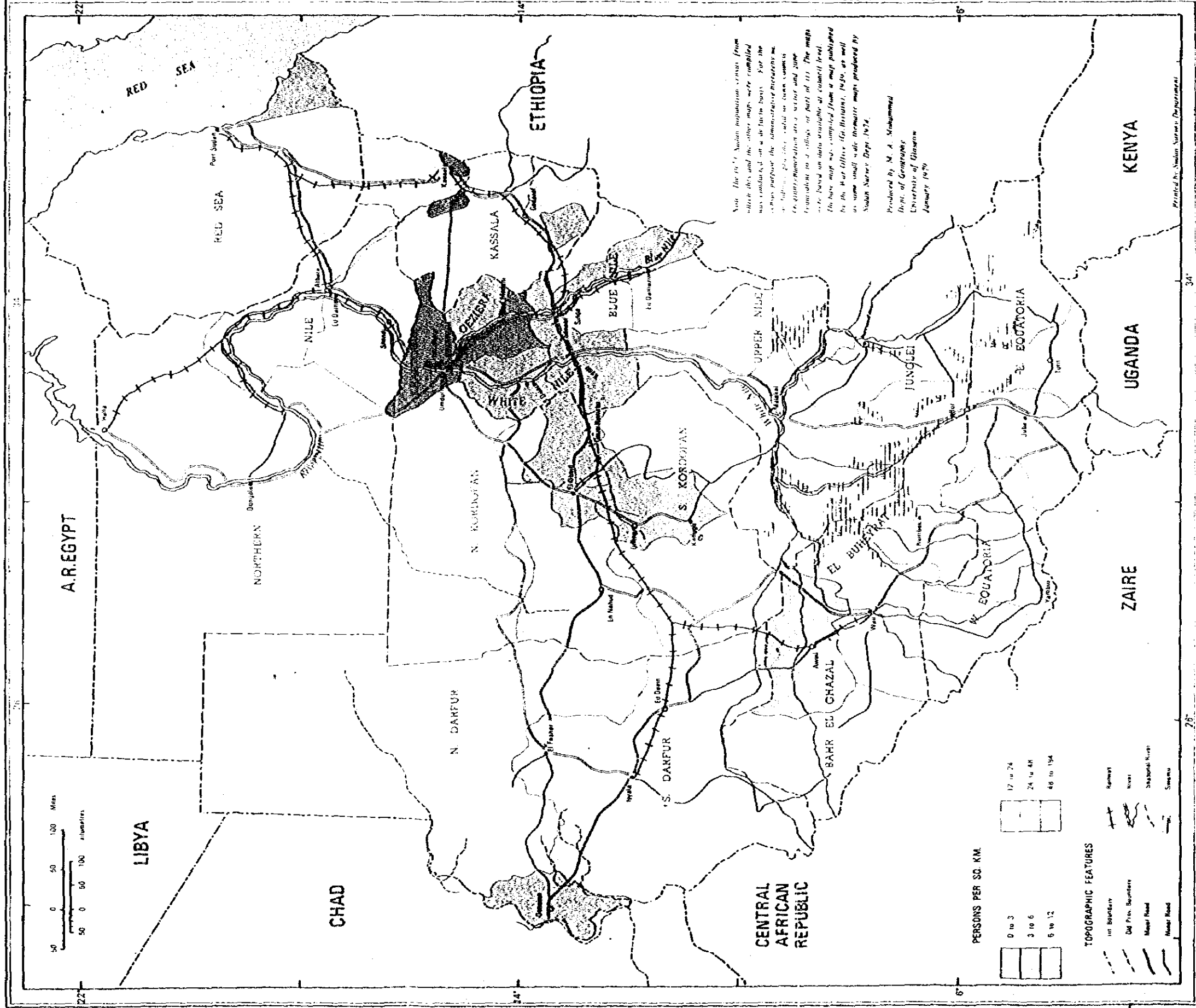
- MAIN GEOGRAPHICAL REGIONS**
- Desert
  - Semi Desert
  - Irrigated
  - Forest Sand Dunes
  - Clay Plain
  - Forest Plain
  - Iron Sand Plateau
  - Hilly Region
- TOPOGRAPHIC FEATURES**
- Int. Boundary
  - Old Prov. Boundary
  - Major Road
  - Main Road
  - Railway
  - River
  - Shangani River
  - Sheepy

# SUDAN

POPULATION DENSITY  
2nd April 1973

1 : 8,000,000

MAP 2



Note: The 1973 Sudan population census from which this and the other maps were compiled was conducted on a 10 km. basis. For the census purpose the administrative hierarchy was: 10 km. squares, sub-squares, squares, and the enumeration areas. The map is a reproduction of a vector and super-translation of a series of parts of it. The maps were based on data available at census level. The base map was compiled from a map published by the War Office (G. 10000), 1959, as well as some small scale thematic maps produced by Sudan Survey Dept. 1974.

Produced by M. A. Mubammad  
Dept. of Geography  
University of Glasgow  
January 1979

Printed by Sudan Survey Department

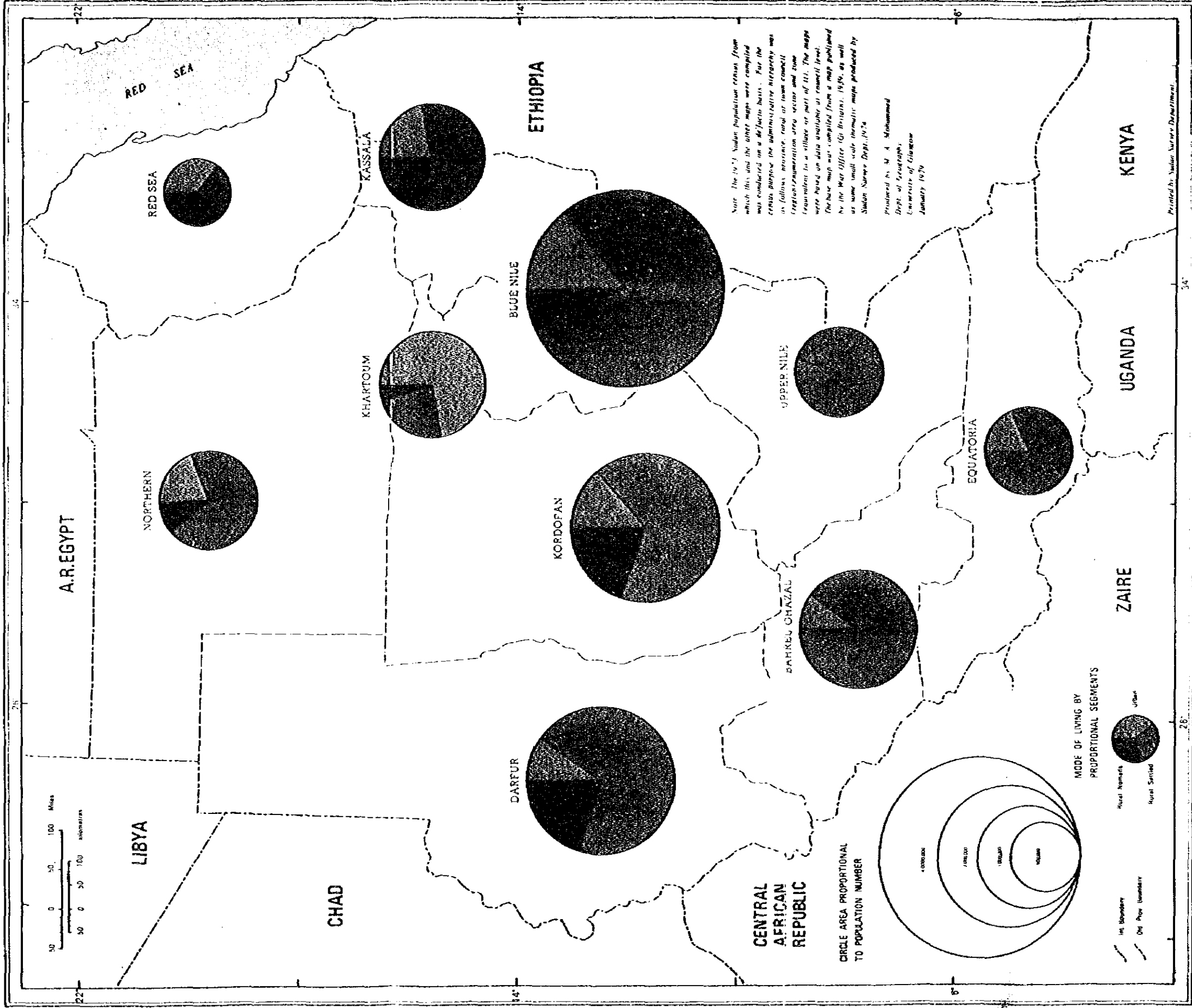


# SUDAN

## POPULATION DISTRIBUTION BY MODE OF LIVING 2nd April 1973

1 : 8,000,000

MAP 4





## 附属資料13 気象データ





SUDAN METEOROLOGICAL DEPARTMENT  
CLIMATOLOGICAL NORMALS  
1951 - 1980

EL OBEID (LAT: 13N10 LONG: 30E14 ALT: 570)

ELEMENT	ATMOSPHERIC PRESSURE (MB)	AIR TEMPERATURE °C										MEAN DAY TEMP. MAX.+MIN.	RADIATION (8YRS)	BRIGHT SUN-SHINE DURATION (13YRS)		
		DAILY MAXIMUM (30 YRS)					DAILY MINIMUM (30 YRS)							MJM2	HRS	%
		MEAN	HICHEST	DATE	MEAN	LOWEST	DATE									
MONTH	M.S.L. (30 YRS)															
JANUARY	946.1	30.6	38.2	30-73	13.4	6.3	5-1965	22.0	-	-	10.4	91				
FEBRUARY	945.1	32.8	40.5	25-74 28-79	15.3	4.4	5-1957	24.1	-	-	10.4	89				
MARCH	943.7	36.1	42.9	25-80	18.8	9.0	2-1959	27.5	-	-	10.1	84				
APRIL	942.5	38.7	44.4	22-73	21.6	13.0	3-1968	30.1	-	-	10.2	83				
MAY	942.6	39.4	44.3	15-61	24.3	17.2	11-56	31.9	-	-	9.7	76				
JUNE	943.4	37.5	43.7	5-78	24.5	19.0	5-1973	31.0	-	-	8.5	66				
JULY	944.3	33.4	39.7	6-73 22-79	22.9	17.3	9-1968	28.1	-	-	7.2	57				
AUGUST	944.0	32.0	39.0	30-73	22.0	17.5	28-61	27.0	-	-	7.4	59				
SEPTEMBER	943.7	34.2	40.0	2-73	21.9	17.4	9-52	28.1	-	-	8.0	66				
OCTOBER	945.1	36.5	40.6	29-80	21.7	14.5	31-63	29.1	-	-	9.5	80				
NOVEMBER	946.2	33.9	39.0	1-80	18.1	9.2	28-64	26.0	-	-	10.7	92				
DECEMBER	946.2	30.9	37.6	20-52	14.3	5.8	25-51	22.6	-	-	10.5	92				
YEAR	944.4	34.7	44.4	22-4-73	19.9	4.4	5-2-57	27.3	-	-	9.4	78				

ELEMENT	RELATIVE HUMIDITY (13 YRS)	CLOUD AMOUNT (0-8) (29YRS)				RAINFALL (MM) (30YRS)			EVAPORATION (MM) (30YRS)	WIND (10YRS)				
		MEAN				TOTAL	NO. OF DAY			MAX. IN ONE DAY	PREVAILING DIRECTION	MEAN SPEED		
		0000	0600	1200	1800		0.1	1.0					10.0	TOTAL
JANUARY	22	1.1	2.7	2.8	2.0	0	0	0	0	0	0	16.3	N	9
FEBRUARY	18	1.3	2.9	2.6	1.9	0	0	0	0	0	0	19.1	N	8
MARCH	14	1.8	3.6	3.3	2.5	TR	0.1	0.1	0	4.6	27-3-1980	22.0	NNE	8
APRIL	16	2.0	3.4	3.4	2.4	3	0.5	0.4	0	10.6	24-4-1954	22.0	N	7
MAY	26	2.9	4.0	4.2	3.2	10	1.8	1.2	0.3	61.1	7-5-1951	19.8	SSW	6
JUNE	44	4.1	5.1	5.3	4.8	22	4.7	3.4	0.7	35.8	28-6-1961	15.7	SW	9
JULY	64	5.3	6.0	6.0	5.6	111	10.9	8.4	3.5	96.7	2-7-1956	9.9	SSW	8
AUGUST	72	5.5	6.1	6.2	5.4	137	12.1	10.1	4.3	78.1	12-8-1959	6.1	SSW	6
SEPTEMBER	63	5.0	6.3	5.6	5.2	61	6.9	5.7	2.1	60.1	9-9-1978	7.6	SW	5
OCTOBER	40	3.4	4.1	4.4	4.0	17	2.8	2.0	0.4	58.0	7-10-1952	13.8	NNE	6
NOVEMBER	25	1.2	2.3	2.5	1.6	TR	0.1	0	0	7.6	10-11-1979	17.5	N	8
DECEMBER	25	1.0	2.2	2.4	1.6	0	0	0	0	0	-	15.7	N	9
YEAR	36	2.9	4.1	4.1	3.3	361	39.9	30.7	11.3	96.7	2-7-1956	15.5	-	-

NOTE: ALL TIMES ARE G.M.T. (SUDAN TIME MINUS 2 HOURS)

SUDAN METEOROLOGICAL DEPARTMENT  
CLIMATOLOGICAL NORMALS

1951 - 1980

WAD MEDANI (LAT: 14N23 LONG: 33E29 ALT: 405)

ELEMENT	ATMOSPHERIC PRESSURE (MB)	AIR TEMPERATURE °C						MEAN DAY TEMP. MAX.+MIN.	RADIATION (8YRS)	BRIGHT SUN-SHINE DURATION (13YRS)		
		DAILY MAXIMUM (30 YRS)			DAILY MINIMUM (30 YRS)					MJM2	HRS	%
		MEAN	HIGHEST	DATE	MEAN	LOWEST	DATE					
MONTH	M.S.L. (30 YRS)											
JANUARY	964.3	33.1	40.6	30-53	14.0	5.2	23-57	23.5	20.93	10.4	92	
FEBRUARY	963.0	35.1	43.3	25-74	15.7	3.3	5-57	25.4	23.74	10.5	90	
MARCH	961.3	38.4	44.8	15-74	18.7	7.3	2-59	28.5	24.70	10.4	86	
APRIL	959.9	40.9	46.1	23-59	21.5	12.0	21-51	31.2	25.37	10.5	84	
MAY	960.3	41.5	46.2	15-61	24.3	15.6	1-57	32.9	24.58	9.9	77	
JUNE	961.5	39.6	45.2	10-70	24.6	16.7	20-51	32.1	23.74	9.1	70	
JULY	962.7	35.7	43.8	10-66	22.8	18.5	22-65	29.2	22.19	7.5	58	
AUGUST	963.0	33.4	41.0	1-51	22.1	18.0	21-54	27.7	22.32	7.7	61	
SEPTEMBER	962.2	35.3	41.4	14-77	21.9	17.0	8-50	28.6	23.28	8.8	72	
OCTOBER	961.8	37.8	41.5	12-79	21.6	11.1	31-77	29.7	22.40	9.9	84	
NOVEMBER	962.9	36.3	41.5	1-80	18.2	8.7	30-59	27.3	21.23	10.7	93	
DECEMBER	964.3	33.4	40.0	26-80	14.8	4.1	25-71	24.1	20.22	10.4	92	
YEAR	962.3	36.7	46.2	15-5-61	20.0	3.3	5-2-57	28.3	22.90	9.7	80	

ELEMENT	RELATIVE HUMIDITY (13 YRS) MEAN	CLOUD AMOUNT (0-8) (29YRS)			RAINFALL (MM) (30YRS)			EVAPORATION (MM) (30YRS)	WIND (10YRS)					
		NO. OF DAY			MAX. IN ONE DAY				PREVAILING DIRECTION	MEAN SPEED				
		0000	0600	1200	1800	0.1	1.0				10.0	TOTAL	DATE	
MONTH														
JANUARY	32	2.1	2.3	2.5	2.2	0	0	0	0	0	0	12.9	N	7
FEBRUARY	32	2.1	2.6	2.5	2.2	0	0	0	0	0	0	15.4	N	7
MARCH	19	2.5	3.0	3.0	2.7	0	0	0	0	0	0	19.0	N	7
APRIL	18	2.5	2.8	3.1	2.5	1	0.5	0.4	0	0	0	20.7	N	6
MAY	26	3.7	3.7	4.1	3.6	13	2.4	1.7	0.4	47.8	8-1963	19.6	SW	7
JUNE	41	5.1	5.0	5.1	5.2	30	5.1	4.0	1.0	48.3	28-1976	18.2	SSW	11
JULY	60	6.1	5.8	6.0	5.9	107	10.5	8.6	3.3	117.7	29-1967	11.5	S	11
AUGUST	70	6.3	6.1	5.9	5.9	128	12.1	9.2	4.2	79.3	7-1975	7.2	S	9
SEPTEMBER	63	5.5	5.7	5.2	5.4	49	5.8	4.5	1.6	71.9	10-1959	7.8	S	7
OCTOBER	47	4.1	3.5	4.0	4.3	15	3.4	2.2	0.3	41.7	4-1967	11.1	S	4
NOVEMBER	35	1.5	1.8	2.3	1.7	TR	0.2	0.1	0	6.7	10-1962	13.8	NNW	6
DECEMBER	35	1.7	2.1	2.2	1.8	0	0	0	0	TR	SEV	12.2	N	6
YEAR	40	3.6	3.7	3.8	3.6	343	40.0	30.7	10.8	117.7	29-7-1967	14.1	-	-

NOTE : ALL TIMES ARE G.M.T. (SUDAN TIME MINUS 2 HOURS)

SUDAN METEOROLOGICAL DEPARTMENT  
CLIMATOLOGICAL NORMAL  
1951 - 1980

ATBARA (LAT: 17N40 LONG: 33E58 ALT: 345)

ELEMENT	ATMOSPHERIC PRESSURE (MB)		AIR TEMPERATURE °C										MEAN DAY TEMP. MAX.-MIN.	RADIATION (8YRS)	BRIGHT SUN-SHINE DURATION (13YRS)		
	M.S.L. (30 YRS)	MEAN (30 YRS)	DAILY MAXIMUM (30 YRS)					DAILY MINIMUM (30 YRS)							MJM2	HRS	%
			MEAN	HIGHEST	DATE	MEAN	LOWEST	DATE									
JANUARY	972.0	30.2	39.8	20-1953	14.4	6.6	24-57	22.3	-	-	10.2	91					
FEBRUARY	970.6	32.5	41.7	8-1952	15.7	6.6	5-1957	24.1	-	-	10.4	90					
MARCH	968.7	36.2	44.1	31-1953	18.7	9.8	2-1959	27.5	-	-	10.4	86					
APRIL	966.9	39.6	46.3	22-1979	22.3	13.7	1-1951	31.1	-	-	10.7	85					
MAY	966.1	42.4	46.5	25-1978	26.1	18.7	1-1956 2-1957	34.3	-	-	10.1	78					
JUNE	966.0	42.9	46.6	9-1960	28.2	22.3	20-1956	35.5	-	-	8.7	66					
JULY	966.6	40.4	45.6	3-1966	27.3	19.5	29-1978	33.9	-	-	8.1	62					
AUGUST	967.0	39.5	45.2	6-1955	26.8	18.7	30-1952	33.1	-	-	8.8	69					
SEPTEMBER	967.0	41.0	45.3	12-1951	27.3	19.8	15-1952	34.1	-	-	9.0	74					
OCTOBER	968.2	39.3	43.0	2-1979	24.7	16.4	27-1977	32.0	-	-	10.0	85					
NOVEMBER	970.2	34.8	40.7	1-1980	20.4	13.5	29-1976	27.6	-	-	10.4	91					
DECEMBER	971.9	31.0	38.3	26-1960	16.0	6.5	24-1971	23.5	-	-	10.1	91					
YEAR	968.4	37.5	46.6	9-6-60	22.30	6.5	24-12-71	29.9	-	-	9.7	81					

ELEMENT	RELATIVE HUMIDITY (13 YRS) MEAN	CLOUD AMOUNT (0-8) (29YRS)			RAINFALL (MM) (30YRS)			EVAPORATION (MM) (30YRS)	WIND (10YRS)					
		0000	0600	1200	1800	TOTAL	NO. OF DAY		PREVAILING DIRECTION	MEAN SPEED M.P.H.				
							0.1				1.0	10.0	TR	DATE
JANUARY	34	0.6	1.5	1.7	0.9	0	0	0	0	0	0	13.7	N	6
FEBRUARY	28	0.5	1.4	1.4	0.8	0	0	0	0	0	0	16.4	N	7
MARCH	21	0.7	1.8	1.7	1.1	0	0	0	0	0	0	20.7	N	6
APRIL	19	0.5	1.2	1.3	0.7	TR	0.1	0.1	0	0	0	23.2	N	5
MAY	19	1.0	1.6	1.8	1.3	4	0.6	0.5	0.1	0.1	0.1	23.7	N	4
JUNE	21	1.2	2.2	2.4	1.8	1	0.5	0.3	0.1	0.1	0.1	23.3	N	5
JULY	34	2.5	3.5	3.9	3.5	24	2.3	1.7	0.5	0.5	0.5	19.8	SW	5
AUGUST	40	3.1	4.0	4.0	3.6	30	3.8	3.2	1.2	1.2	1.2	18.5	SSW	5
SEPTEMBER	29	2.5	3.5	3.5	2.5	6	1.4	0.9	0	0	0	20.6	SSW	4
OCTOBER	27	0.7	1.2	1.9	1.1	2	0.4	0.4	0	0	0	18.9	N	4
NOVEMBER	35	0.3	1.0	1.3	0.5	6	0	0	0	0	0	15.8	N	5
DECEMBER	37	0.6	1.5	1.6	0.9	0	0	0	0	0	0	13.5	N	6
YEAR	29	1.2	2.0	2.2	1.5	67	9.1	7.1	1.9	1.9	1.9	19.0	-	-

NOTE : ALL TIMES ARE G.M.T. (SUDAN TIME MINUS 2 HOURS)

MEAN METEOROLOGICAL DATA WORKS

CLIMATOLOGICAL NORMAL

1951 - 1980

KASSALA (LAT: 15N28 LONG: 36E24 ALT: 500)

ELEMENT	ATMOSPHERIC PRESSURE (MB)		AIR TEMPERATURE °C								MEAN DAY TEMP. MAX.+MIN.	RADIATION (8YRS)	BRIGHT SUN-SHINE DURATION (13YRS)		
	M.S.L. (30 YRS)	M.S.L. (30 YRS)	DAILY MAXIMUM (30 YRS)				DAILY MINIMUM (30 YRS)						MM2	HRS	%
			MEAN	HIGHEST	DATE	DATE	MEAN	LOWEST	DATE	DATE					
JANUARY	952.9	952.9	33.9	41.5	24-52	16.0	5.4	23-54	24.9	-	9.8	87			
FEBRUARY	951.7	951.7	35.7	43.1	0-52	17.0	6.2	2-57	26.3	-	10.3	89			
MARCH	950.1	950.1	38.5	45.3	30-73	19.5	9.4	2-59	29.0	-	10.2	85			
APRIL	949.0	949.0	41.0	45.2	25,26-73	11.7	11.1	2-58	21.9	-	10.4	83			
MAY	949.5	949.5	41.8	46.5	14-61	25.4	15.0	2-57	33.6	-	10.2	79			
JUNE	950.9	950.9	39.8	44.6	6-70	25.3	18.4	21-51	32.5	-	9.4	71			
JULY	952.3	952.3	35.6	42.3	1-70	23.4	18.4	14-71	29.5	-	8.7	67			
AUGUST	952.5	952.5	33.9	40.3	1-51	22.8	18.7	7-58 7-63	28.3	-	8.7	68			
SEPTEMBER	952.0	952.0	36.5	42.0	26-66	23.3	18.0	13-64	29.9	-	8.7	80			
OCTOBER	951.3	951.3	38.8	42.5	11-63	23.5	12.5	31-52	31.1	-	10.0	86			
NOVEMBER	951.9	951.9	37.2	40.8	12-68	21.0	10.5	30-59	29.1	-	10.1	80			
DECEMBER	953.0	953.0	34.6	40.0	SEV.	17.4	6.4	24-71	26.0	-	9.7	86			
YEAR	951.4	951.4	37.3	46.5	14-5-61	21.4	5.4	23-1-54	29.3	-	9.7	80			

ELEMENT	RELATIVE HUMIDITY (13 YRS)		CLOUD AMOUNT (0-6) (29 YRS)				RAINFALL (MM) (30 YRS)				EVAPORATION (MM) (30 YRS)		WIND (10 YRS)	
	MEAN	0000	0600	1200	1800	NO. OF DAY		MAX. IN ONE DAY		TOTAL	PICHE (MM)	PREVAILING DIRECTION	MEAN SPEED	
						0.1	1.0	10.0	10.0					
MONTH														
JANUARY	45	2.2	2.9	2.3	2.9	0	0.1	0	0	1.0	23-69	8.8	NNE	4
FEBRUARY	40	1.1	2.8	1.8	3.9	0	0	0	0	TR	SEV.	10.4	NNE	4
MARCH	33	1.3	2.5	2.3	1.5	TR	0.2	0.1	0	7.2	1-69	13.1	NNE	4
APRIL	28	1.3	2.2	2.4	2.1	3	0.9	0.5	0.1	20.0	9-55	14.5	NNE	4
MAY	29	2.1	2.3	3.0	2.3	8	1.8	1.1	0.1	26.5	14-63	14.9	S	4
JUNE	39	3.2	3.5	3.8	3.6	27	3.5	3.0	1.0	52.6	12-70	12.5	S	6
JULY	57	4.9	3.8	5.0	5.3	94	9.7	7.9	3.2	86.5	15-64	8.4	S	6
AUGUST	63	4.9	5.5	5.3	5.6	95	10.2	8.0	3.1	80.9	18-64	6.3	S	5
SEPTEMBER	54	3.7	4.7	4.0	4.3	53	5.2	3.9	1.5	90.3	19-58	7.6	S	4
OCTOBER	42	1.6	3.0	3.1	2.1	7	1.5	1.1	0.2	58.1	13-51	10.4	S	3
NOVEMBER	39	0.9	2.4	1.8	1.1	3	0.4	0.3	0.1	14.8	9-53	10.2	NNE	3
DECEMBER	45	0.7	2.9	2.0	1.2	0	0	0	0	TR	SEV.	8.6	NNE	4
YEAR	43	2.3	3.2	3.1	3.1	290	33.5	26.0	9.3	90.3	19-9-58	10.5	-	-

NOTE : ALL TIMES ARE G.M.T. (SUDAN TIME MINUS 2 HOURS)



SUDAN METEOROLOGICAL DEPARTMENT  
CLIMATOLOGICAL NORMALS  
1951 - 1980

DONGOLA (LAT: 19N10 LONG: 30E29 ALT:228)

ELEMENT	ATMOSPHERIC PRESSURE (MB)	AIR TEMPERATURE °C						MEAN DAY TEMP. MAX.+MIN.	RADIATION (5YRS)	BRIGHT SUN-SHINE DURATION (13YRS)		
		DAILY MAXIMUM (30 YRS)			DAILY MINIMUM (30 YRS)					MJM2	HRS	%
		MEAN	HIGHEST	DATE	MEAN	LOWEST	DATE					
MONTH	M.S.L. (30 YRS)											
JANUARY	988.2	27.3	37.0	8-56	8.7	1.5	17-73	18.0	20.10	10.1	91	
FEBRUARY	986.8	30.1	42.2	24-74	10.3	1.7	3-68	20.2	22.87	10.5	91	
MARCH	984.7	34.1	46.0	26-80	14.1	3.5	1-59	24.1	25.54	10.4	86	
APRIL	982.6	38.6	47.2	24-54	18.4	8.4	2-68	27.0	27.17	10.8	86	
MAY	981.5	41.9	48.6	27-78	22.3	12.6	1-72	32.1	27.59	10.0	77	
JUNE	980.4	43.2	49.1	1-78	23.7	17.0	11-60	33.5	27.42	11.3	85	
JULY	980.1	42.1	47.1	13-51	24.2	19.0	SEV-59	33.1	26.09	11.0	83	
AUGUST	980.4	41.7	47.2	31-52	25.5	18.0	3-68	33.6	25.21	10.6	83	
SEPTEMBER	981.4	41.3	47.1	12-51	24.6	14.5	20,30-1959	32.9	24.07	9.8	80	
OCTOBER	983.1	38.8	44.6	8-51	20.4	10.0	SEV-59	29.6	22.90	10.4	89	
NOVEMBER	986.0	32.6	40.2	1-57	15.1	6.0	25-59	23.9	20.77	10.6	94	
DECEMBER	985.5	27.5	37.6	16-57	10.2	2.1	30-71	18.9	18.97	10.2	92	
YEAR	983.4	36.6	49.1	1-6-78	18.1	1.5	17-1-73	27.2	24.05	10.5	86	

ELEMENT	RELATIVE HUMIDITY (13 YRS) MEAN	CLOUD AMOUNT (0-8) (29YRS)			RAINFALL (MM) (30YRS)						WIND (10YRS)				
		0000	0600	1200	1800	TOTAL	NO. OF DAY			MAX. IN ONE DAY			EVAPORATION (MM) (30YRS)	PREVAILING DIRECTION	MEAN SPEED M.P.H.
							0.1	1.0	10.0	10.0	TOTAL	DATE			
JANUARY	36	0.9	1.1	1.2	1.2	TR	0.1	0	0	0	5.8	17-1-79	10.4	N	11
FEBRUARY	31	0.7	1.0	1.0	0.8	TR	0	0	0	0	1.5	5-2-60	12.6	N	11
MARCH	25	0.9	1.2	1.3	1.0	0	0	0	0	0	1.0	13-3-69	15.8	N	11
APRIL	23	0.4	0.8	0.8	0.5	0	0	0	0	0	0	-	19.1	N	11
MAY	21	0.5	0.8	0.9	0.7	1	0.1	0.1	0	0	12.4	2-5-79	21.2	N	11
JUNE	21	0.8	0.9	0.8	0.8	0	0	0	0	0	TR	SEV.	21.6	N	11
JULY	24	1.5	1.6	2.0	1.7	7	0.8	0.6	0.3	0.3	47.3	6-7-80	19.4	N	9
AUGUST	26	1.5	2.2	2.2	1.8	11	1.2	1.2	0.4	0.4	40.0	9-8-65	18.5	N	9
SEPTEMBER	23	2.0	1.7	1.7	1.5	TR	0.1	0.1	0	0	3.0	9-9-51	20.6	N	11
OCTOBER	26	0.8	0.7	0.9	0.6	TR	0.1	0.1	0	0	3.1	14-10-56	18.5	N	10
NOVEMBER	34	0.5	0.8	0.8	0.7	TR	0	0	0	0	2.0	14-11-56	13.3	N	11
DECEMBER	37	0.9	1.2	1.2	1.2	0	0	0	0	0	TR	SEV-12-52	10.8	N	10
YEAR	27	0.9	1.2	1.2	1.0	19	2.4	2.1	0.7	0.7	47.3	6-7-80	16.8	-	-

NOTE : ALL TIMES ARE G.M.T. (SUDAN TIME MINUS 2 HOURS)

収 集 資 料 リ ス ト

番号	品 目	個 数	入手年月	入 手 先	備 考
1	電力料金リスト	5枚	84. 2		
2	鉄 道 料 金	1枚	#	カルツーム中央駅	
3	航 空 運 賃	2枚	#	トロピカル航空	
4	現地労務事情	11枚	#	鴻池組現地事務所	
5	C R T 価 格	2枚	#	カルツーム大学	地質調査
6	建 築 材 価 格	1枚	#	SAGGANAマーケット	カルツーム市内
7	ラジオプログラム	5枚	#	SNBC	
8	テレビプログラム	3枚	#	SNBC	
9	SNBC組織図	1枚	#	SNBC	
10	プロジェクトアウトライン	6枚	#	SNBC	
11	地方ラジオプロジェクト	2枚	#	SNBC	
12	セナ〜カッサラ間 テレコムルート	1冊	#	SNBC	
13	マイクロ機器取説	1冊	#	SNBC	
14	教育制度について	1枚	#	SNBC職員	
15	サテライトブロック図	4枚	#	ドンゴラテレコム	
16	サテライトネットワーク	1枚	#	カルツームテレコム	
17	マイクロネットワーク	1枚	#	カルツームテレコム	
18	マイクロネットワーク	1枚	#	カルツームテレコム	
19	サテライトについて	2枚	#	カルツームテレコム	
20	電 力 事 情	3枚	#	B&W社(デンマーク)	
21	地耐力(CPT)	2枚	#	カルツーム大学	
22	スーダン人口分布	4枚	#		州 単 位
23	気 象 情 報	16枚	#	気 象 省	各サイト, 及び カルツーム

番号	品 目	個数	入手年月	入 手 先	備 考
24	地図 1: 250,000	6枚	84. 2	サベイデパート	エルオベイド
25	・	8枚	・	・	ワドメダニ
26	・	8枚	・	・	アトバラ
27	・	5枚	・	・	カッサラ
28	・	7枚	・	・	ドンゴラ
29	・ 1: 100,000	1枚	・	・	アトバラ
30	・ 1: 250,000	1枚	・	ドンゴラ市情報省	ドンゴラ人口分布
31	・ 1: 2500	1枚	・	・	ドンゴラ市内図
32	・ 1: 2,000,000	1枚	・	アトバラ市情報省	アトバラ人口分布
33	・ 1: 4,000,000	1枚	・	サベイデパート	スーダン全土
34	・ 1: 25,000	3枚	・	・	カルツーム市内図
35	・	20枚	・	・	人口分布関連
36	スーダン年鑑	1冊	・	カルツームBook Shop	
37	地 図	26枚			Phase II用
38	"SUDAN GUIDE" published by planning and Management Consultancy, Khartoum, 1981				
39	"THE HISTORY OF THE SUDAN" by p. M. Holt and M. W. Daly, publisher : Weidenfeld and Nicolson, London, 1979				
40	"THE ECONOMIC AND POLITICAL DEVELOPMENT OF THE SUDAN" by Francis A. Lees and Hugh Brooks, publisher : Khartoum Bookshop, Khartoum, 1977				







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