

### Appendix 1a

STATION: - ED DUEIM

TYPE OF DATA: MONTHLY MEAN / TOTALS

YEAR: 2000

YEAR: 2001

ELEMENT  MONTH	MEAN TEMPREATURE °C		RELATIVE HUMIDITY %	TOTAL RAIN FALL (MM)	WIND		STATION LEVEL PRESSURE (HPA)	MEAN TEMPREATURE °C		RELATIVE HUMIDITY %	TOTAL RAIN FALL (MM)	WIND		STATION LEVEL PRESSURE (HPA)
	MAX.	MIN.			DIR.	SPEED KNOTS		MAX	MIN			DIR.	SPEED KNOTS	
JANUARY	32.3	16.7	32	0	N	6	NR	31.3	15.8	46	0	N	6	NR
FEBRUARY	33.6	17.7	29	0	N	6	NR	33.3	17.4	27	0	N	7	NR
MARCH	36.1	19.6	21	TR	N	7	NR	38.7	21.3	23	0	N	5	NR
APRIL	41.3	23.6	20	0	N	5	NR	41.7	24.3	19	0	N	5	NR
MAY	41.4	26.2	32	23.2	S	5	NR	42.0	26.6	21	6.8	N	5	NR
JUNE	40.6	25.5	32	TR	SW	5	NR	39.9	25.8	34	2.0	SW	5	NR
JULY	36.4	23.9	53	89.9	SW	6	NR	35.9	24.3	56	48.4	S	5	NR
AUGUST	35.4	23.6	50	42.0	SW	5	NR	33.4	22.7	70	200.5	S	5	NR
SEPTEMBER	37.1	23.9	54	39.4	S	5	NR	36.6	24.3	57	TR	S	4	NR
OCTOBER	37.2	23.7	39	TR	N	5	NR	38.5	24.6	38	12.5	N	5	NR
NOVEMBER	36.0	20.8	33	0	N	5	NR	36.3	21.3	31	0	N	5	NR
DECEMBER	32.2	17.5	40	0	N	6	NR	33.5	19.0	35	0	N	5	NR
TOTAL				194.5							270.2			
MEAN														

NOTE: 1KNOT = 1.85 KM/HR  
 = 0.5 M/S  
 = 1.15 MILE /HR  
 = 1.69 FEET/S

VRB = VARAIBLE

TR = TRACE = RAINFALL LESS THAN 0.1 MM

ISSUED BY: MET. AUTH. (SUDAN)

DATE: \_\_\_\_\_

N = NORTH S = SOUTH  
 E = EAST W = WEST  
 S/W= SOUTH BY WEST  
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 DIR. = DIRECTION

# Appendix 1b

STATION: - ED DUEIM

TYPE OF DATA: MONTHLY MEAN / TOTALS

YEAR: 2002

YEAR: 2003

ELEMENT  MONTH	MEAN TEMPREATURE °C		RELATIVE HUMIDITY %	TOTAL RAIN FALL (MM)	WIND		STATION LEVEL PRESSURE (HPA)	MEAN TEMPREATURE °C		RELATIVE HUMIDITY %	TOTAL RAIN FALL (MM)	WIND		STATION LEVEL PRESSURE (HPA)
	MAX.	MIN.			DIR.	SPEED KNOTS		MAX	MIN			DIR.	SPEED KNOTS	
JANUARY	29.3	19.5	31	0	N	5	970.2	32.9	17.6	29	0	N	5	968.2
FEBRUARY	34.7	19.7	28	0	N	5	967.3	34.8	18.8	21	0	N	6	966.5
MARCH	37.9	21.3	20	0	N	5	965.0	36.8	20.9	16	0	N	6	965.5
APRIL	41.7	23.7	15	0	N	5	962.5	41.1	24.5	17	0	N	5	963.0
MAY	41.7	24.6	20	13.4	N	4	963.6	41.9	26.7	23	3.3	N	5	963.3
JUNE	40.9	26.5	34	10.2	SW	4	964.4	39.3	27.1	42	6.5	S	6	964.1
JULY	37.2	25.3	51	104.3	SW	5	965.5	35.2	24.4	63	135.0	S	5	966.3
AUGUST	34.9	23.9	62	115.8	S	4	966.0	33.5	23.7	69	86.8	SW	5	966.0
SEPTEMBER	36.9	24.7	55	21.3	S	3	965.6	36.2	24.6	60	41.9	S	5	966.0
OCTOBER	38.6	25.5	41	4.5	N	4	964.2	39.1	26.2	42	2.7	N	4	964.1
NOVEMBER	37.0	23.1	31	0	N	5	965.2	36.4	23.4	29	0	N	5	965.5
DECEMBER	31.7	17.4	29	0	N	5	969.1	32.8	18.7	32	0	N	5	967.9
TOTAL				269.5							276.2			
MEAN														

NOTE: 1KNOT = 1.85 KM/HR  
 = 0.5 M/S  
 = 1.15 MILE /HR  
 = 1.69 FEET/S  
 VRB = VARAIBLE  
 TR = TRACE = RAINFALL LESS THAN 0.1 MM

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# Appendix 1c

STATION: - ED DUEIM

TYPE OF DATA: MONTHLY MEAN / TOTALS

YEAR: 2004

YEAR: 2005

ELEMENT  MONTH	MEAN TEMPREATURE °C		RELATIVE HUMIDITY %	TOTAL RAIN FALL (MM)	WIND		STATION LEVEL PRESSURE (HPA)	MEAN TEMPREATURE °C		RELATIVE HUMIDITY %	TOTAL RAIN FALL (MM)	WIND		STATION LEVEL PRESSURE (HPA)
	MAX.	MIN.			DIR.	SPEED KNOTS		MAX	MIN			DIR.	SPEED KNOTS	
JANUARY	32.0	18.1	28	0	N	5	967.0	30.2	16.0	28	0.0	N	5	968.6
FEBRUARY	32.5	17.8	24	0	N	6	968.1	37.7	21.8	27	0.0	N	6	964.7
MARCH	37.6	21.6	19	0	N	7	964.9	37.9	21.8	17	0.0	N	6	965.3
APRIL	40.9	24.7	18	0	N	5	963.0	41.4	25.2	19	0.8	N	5	962.6
MAY	42.7	27.5	23	0.8	SW	5	962.8	40.4	25.5	26	4.5	N	5	964.3
JUNE	39.4	26.4	42	31.6	S	2	966.0	40.1	27.3	38	8.7	SW	7	964.0
JULY	37.1	25.3	49	42.1	SW	6	964.9	36.6	25.5	55	70.9	S	6	966.3
AUGUST	35.5	24.6	58	94.2	SW	2	966.1	35.3	24.7	61	74.0	SW	5	965.8
SEPTEMBER	36.8	25.1	53	40.9	S	5	964.7	36.8	25.4	54	10.7	S	5	965.6
OCTOBER	38.7	25.9	37	10.0	N	2	964.5	38.4	25.7	39	2.6	N	4	965.1
NOVEMBER	36.5	22.7	29	0	N	5	965.7	35.8	21.7	28	0.0	N	5	966.4
DECEMBER	32.5	18.8	32	0	N	2	967.4	35.2	21.1	34	0.0	N	5	965.7
TOTAL				219.6							172.2			

NOTE: 1KNOT = 1.85 KM/HR  
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 = 1.69 FEET/S  
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**Appendix 1d**

**STATION: - ED DUEIM**

**TYPE OF DATA: MONTHLY TOTALS RAIN FALL IN (MM)**

<b>YEAR</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>
<b>MONTH</b>						
<b>JANUARY</b>	0	0	0	0	0	0.0
<b>FEBRUARY</b>	0	0	0	0	0	0.0
<b>MARCH</b>	TR	0	0	0	0	0.0
<b>APRIL</b>	0	0	0	0	0	0.8
<b>MAY</b>	23.2	6.8	13.4	3.3	0.8	4.5
<b>JUNE</b>	TR	2.0	10.2	6.5	31.6	8.7
<b>JULY</b>	89.9	48.4	104.3	135.0	42.1	70.9
<b>AUGUST</b>	42.0	200.5	115.8	86.8	94.2	74.0
<b>SEPTEMBER</b>	39.4	TR	21.3	41.9	40.9	10.7
<b>OCTOBER</b>	TR	12.5	4.5	2.7	10.0	2.6
<b>NOVEMBER</b>	0	0	0	0	0	0.0
<b>DECEMBER</b>	0	0	0	0	0	0.0
<b>TOTAL</b>	<b>194.5</b>	<b>270.2</b>	<b>269.5</b>	<b>276.2</b>	<b>219.6</b>	<b>172.2</b>

**NOTE:**

**TR = TRACE = RAINFALL LESS THAN 0.1 MM**