

- Mostly below average rainfall continued in the centre and north ...
- Maize starts flowering in some parts of the south ...
- Locally heavy rains expected between 11 and 20th January 2009...



All inquiries should be addressed to: The Director of Meteorological Services, P.O. Box 1808, Blantyre, MALAWI Tel: (265) 1 822 014/106 Fax: (265) 1 822 205 E-mail: <u>metdept@metmalawi.com</u> Homepage: www.metmalawi.com

1. WEATHER SUMMARY

1.1 RAINFALL SITUATION

During the first 10-days of January 2009, the main rain bearing systems continued to relax particularly over central and northern Malawi. As a result below average rainfall (brown and yellow colours on Map 1) was received over central and northern areas. Some areas like Mwimba Research in Kasungu registered nil rainfall during the entire 10-day period. The south however, received moderate to heavy rainfall that resulted in mostly above average rainfall performance (light blue colour on Map 1). Areas that registered 10-day cumulative rainfall amounts of more than 150mm were confined mostly to southern Malawi where Bvumbwe registered 153mm, Mimosa 161mm, Mulanje Boma 179mm, naminjiwa 184mm, Neno 160mm, and Thyolo 156mm.. See details on **Table 1**.

Cumulative rainfall performance since the season started from October 2008 up to 10 January 2009 indicated that generally Malawi had received average rainfall with just pockets of below average rainfall (yellow and brown colours in Map 2) and above average rainfall (light blue colouron Map 2). Below average rainfall has been confined mostly to the northern half of the country due to late onset of the main rains.

1.2 MEAN AIR TEMPERATURE

During the first 10-days of January 2009, mean daily maximum temperatures ranged from 25°C at Dedza in central Malawi to 33°C at Ngabu in Chikwawa district while average daily minimum temperatures ranged from 17°C to 24°C.. See more details in Table 2.

1.4 MEAN WIND SPEEDS

Mean wind speeds at a height of two metres above ground level remained continued to be light. The average wind speeds ranged from 0.3 m/s (1.1 Km/h) at Chichiri to 2.3 m/s (8.3 Km/h) at Chileka (see Table 2).

1.5 MEAN RELATIVE HUMIDITY

The atmosphere continued to be fairly moist. Daily average relative humidity values ranged from 71% at Karonga to 84% at Ngabu. More details are in Table 2.

2. AGROMETEOROLOGICAL ASSESSMENT

The first 10-days of January 2009 continued to experience drier than normal rainfall conditions in most parts of central and northern Malawi Reports indicated that crops started wilting at vegetative stage, but did not reach permanent wilting point. Some crops survived on residual soil moisture. Farm operations like application of fertilizer were temporarily suspended and farmers in the affected areas continued weeding their gardens.

In general the Maize crop was reported doing well particularly where both basal and top dressing fertilisers have been applied. Good crop yields are anticipated this season provided good rains continue in January and February 2009 which are critical months for crop production in Malawi. The crop across the country ranged from early vegetative stage in some parts of the northern half to advanced vegetative and flowering stages in the south..

3. PROSPECTS OF 2008/09 RAINFALL SEASON

Climate prediction models continue to suggest that by end of April 2009 the greater part of Malawi should expect normal rainfall amounts with poor distribution in both space and time. Already there has been a delay in the onset of the wet season in some parts of the country. Externally, the influence of climate change cannot be ignored and one of the indicators is occurrence of extreme climatic events such as floods and drought. Low lying areas such as the Shire valley and lakeshore areas are more vulnerable to floods and droughts. Some floods have already been reported in Chikwawa in lower Shire.

4. OUTLOOK FOR 01 - 10 JANUARY 2009

During the period 11 to 20 January 2009, models for short and medium range weather forecasts suggest that Congo air will cover most parts Malawi. Therefore, moderate to locally heavy rains are expected to occur over Malawi during the period.. TABLE 1: DEKADAL RAINFALL SUMMARY FOR 01 - 10 JANUARY 2009 AT SELECTED STATIONS

RAINFALL NORMAL PATE DATE	STATION NAME	DEKADAL	DEKADAL	DEKADAL	TOTAL	NORMAL	TOTAL	RAINY
SOUTH mm NORMAL mm MORMAL Bvumbwe Met. 152.9 77.4 198 568.5 423.1 134 9 Cnancelior College 99.8 107.0 93 384.1 544.9 70 7 Cnichiwawa Borna 58.6 60.8 96 215.8 297.1 73 6 Chikwawa Borna 57.8 58.2 99 334.0 402.9 86 6 Chileka Arport 87.6 68.3 128 375.5 370.2 101 6 Chiradzulu Agric 136.2 945.5 153.8 8 6 1141.2 424.1 98 9 Chiradzulu Agric 136.2 91.5 91.5 51.7 81.3 68 8 Mplipili 0.0 NA NA 387.2 89.1 17 72 55 71.1 8 84.1 74.1 19 6 144.9 95.4 115 72 50 17		TOTAL	NORMAL	TOTAL	ТО	ТО	TODATE	DAYS
Byumbwe Met. 152.9 77.4 198 568.5 423.1 134.4 9 Chichiri Met. 114.2 76.7 149 384.1 548.9 70 7 Chichiri Met. 114.2 76.7 149 384.1 548.9 70 7 Chikwaya Borna 57.8 66.8 96 215.8 297.1 73 6 Chikeka Airport 87.6 68.3 128 375.5 370.2 101 6 Chiragal Agric 136.2 84.5 161 418.2 428.1 98 9 Chizunga Factory 132.2 9135.4 91 551.7 813.6 68 8 Mplipili 0.0 NA NA NA 87.6 NA NA 0 Maragochi Met. 161.2 91.4 176 625.8 565.8 111 8 Morkey Bay Met. 0.6 64.9 1 138.8 37.2 260 1 188.8	COLUMN							
Chancellor College 99.8 107.0 93 384.1 549.9 70 7 Chickin Met. 114.2 76.7 149 493.5 429.5 115 7 Chikwawa Boma 58.6 60.8 96 215.8 297.1 73 6 Chikwa Agnic 87.6 68.3 128 375.5 370.2 101 6 Chikuka Agnic 86.5 73.0 118 192.9 365.1 53 8 Chirunga Factory 132.2 96.6 137 551.2 57.8 93 6 Lujeri Tea Estate 122.9 154.4 91 31.6 77 7 Mancos Met. 116.1 60.5 19 224.3 311.5 7 7 Marmosa Met. 116.4 00.6 14.9 1 318.8 357.2 89 1 Marminya Agric 138.8 71.3 256 446.2 40.5 120 6 Netalo Sucoma </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>								
Chichiri Met. 114.2 76.7 149 493.5 429.5 429.7 73 6 Chikwao Agric. 57.8 68.2 99 354.0 402.9 88 6 Chikwao Agric. 57.8 68.2 99 354.0 402.9 88 6 Chilaka Ariport 136.2 84.5 161 418.2 428.1 53 8 Chizung Factory 136.2 94.5 161 418.2 428.1 96 6 114.4 76 114.9 438.5 115 53 8 6 6 114.4 100.7 76.2 172 444.9 395.4 115 72 5 116 114.8 837.2 89 1 114.8								
Chikwawa Borna 58.6 60.8 96 215.8 297.1 73 6 Chikwao Ayric 57.8 58.2 99 354.0 402.9 88 6 Chikusa Airport 87.6 68.3 128 375.5 370.2 101 6 Chikuga Ayric 136.2 73.0 118 192.9 365.1 53 8 Chikuga Ayric 136.2 96.6 137 511.2 573.8 93 6 Lijeri Tea Estate 122.9 135.4 91 551.7 133.6 68 8 Makoka Met 130.7 76.2 172 454.9 935.4 115 7 Mangochi Met. 116.6 60.5 19 224.3 311.5 72 5 Mirmosa Met. 16.6 64.9 1 318.8 357.2 89 1 Macka Met 16.6 570.4 479.4 119 6 Namijwa Agric 183.8 71.3	-							
Chikwa Agric. 57.8 58.2 99 354.0 402.9 88 6 Chikka Agric 87.6 68.3 128 375.5 53 8 Chiragle Agric 186.2 84.5 161 418.2 428.1 96 9 Chiranga Factory 132.2 96.6 137 551.2 573.8 93 6 Lujeri Tea Estate 122.9 135.4 91 551.7 813.6 68 8 Miplipili 0.0 N/A N/A A N/A N/A N/A Mangochi Met. 11.6 60.5 19 224.3 311.5 72 5 Minosa Met. 161.2 91.4 176 625.8 655.8 111 8 Monkey Bay Met. 0.6 64.9 1 318.8 357.2 89 1 Mularie Boma 172.6 100.8 116 570.4 479.4 119 6 Nularie Boma 154.2								
Chileka Arport 87.6 68.3 128 375.5 370.2 101 6 Chingale Ayric 86.5 73.0 118 192.9 365.1 53 8 Chirauga Factory 132.2 96.6 137 531.2 573.8 93 6 Uijeri Tea Estate 122.9 135.4 91 551.7 817.6 N/A 0 Makoka Met 130.7 76.2 172 454.9 395.4 115 7 Mangochi Met. 116.8 60.5 19 224.3 311.5 72 5 Mimosa Met. 10.6 64.9 1 318.8 372.2 89 1 Moreky Bay Met. 0.6 64.9 1 318.8 357.2 89 1 Marminya Agric 183.8 71.3 2256 446.2 403.5 120 6 Neah Agric 159.9 80.6 198 348.9 416.6 84 7 Namijwa Agric<								
Chingale Agric 86.5 73.0 118 192.9 365.1 53 8 Chiradzulu Agric 136.2 84.5 161 418.2 428.1 98 9 Chizunga Factory 132.2 96.6 137 531.2 573.8 93 6 Lujeri Tea Estate 122.9 135.4 91 551.7 813.6 68 8 Magochi Met. 11.6 60.5 19 224.3 395.4 115 7 Minosa Met. 0.6 64.9 1 318.8 357.2 89 1 Monkey Bay Met. 0.6 64.9 1 318.8 357.2 89 1 Mulanje Boma 178.6 108.4 165 406.5 662.5 64 9 Namijiwa Agric 183.8 71.3 258 486.2 400.5 120 6 Natal Sucoma 114.2 50.6 205 307.1 276.2 111 3 Natal Sucom								
Chrizdzulu Ägric 136.2 94.5 161 418.2 448.1 96 9 Chizunga Factory 132.2 96.6 137 531.2 573.8 93 6 Lujeri Fae Estate 122.9 135.4 91 551.7 813.6 68 8 Maitoka Met 130.7 76.2 172 454.3 395.4 115 7 Mangochi Met. 11.6 60.5 19 224.3 311.5 72 5 Mimosa Met. 11.6 60.5 19 224.3 311.5 72 5 Monkey Bay Met. 0.6 64.9 1 318.8 357.2 89 1 Maanijwa Agric 138.8 71.3 256 44.95.2 64.9 9 Naminjwa Agric 138.8 71.3 256 448.2 403.5 120 6 Nehalo Sucoma 114.2 50.6 226 307.1 276.2 111.1 3 9 Ngabu				118			53	
Lujeri Tea Estate 12.9 135.4 91 551.7 813.6 68 8 Mpilipii 0.0 N/A N/A 387.6 395.4 115 7 Mangochi Met. 110.6 60.5 19 224.3 311.5 72 5 Mimosa Met. 161.2 91.4 176 625.6 565.8 111 8 Monkey Bay Met. 0.6 64.9 1 318.8 357.2 89 1 Mulanipe Borna 178.6 108.4 165 406.5 632.5 64 9 Naminjiwa Agric 138.8 71.3 256 496.2 403.5 120 6 Nahaj Met. 66.8 106 352.9 326.6 108 4 130.7 120 6 111 3 6 348.9 416.6 84 7 Ngabu Met. 64.6 0.8 106 352.9 326.6 108 4 1130.4 7 119 6	Chiradzulu Agric	136.2			418.2	428.1		
Mgilipii 0.0 N/A N/A S87.6 N/A N/A O Makoka Met 130.7 76.2 172 454.9 395.4 115 7 Mangochi Met. 116. 60.5 19 224.3 311.5 72 5 Minosa Met. 0.6 64.9 1 318.8 357.2 89 1 Monkey Bay Met. 0.6 64.9 1 318.8 357.2 89 1 Mulanje Boma 178.6 108.4 165 406.5 632.5 64 9 Namijiwa Agric 183.8 71.3 258 486.2 403.5 120 6 Nean Agric 159.9 80.6 198 348.9 416.6 84 7 Nsarje Boma 56.8 56.7 100 351.2 350.8 100 6 Nataj Met. 77.2 89.5 109 327.1 524.4 63 7 Napochi Met 156.3								
Makoka Met 130.7 76.2 172 454.9 395.4 115 7 Mangochi Met. 116 60.5 19 224.3 331.5 72 5 Mimosa Met. 0.6 64.9 1 318.8 357.2 89 1 Monkey Bay Met. 0.6 64.9 1 318.8 357.2 89 1 Mulanje Borna 177.6 108.4 165 406.5 632.5 64 9 Naminjiwa Agric 183.8 71.3 256 406.5 302.5 64 9 Naminjiwa Agric 183.8 71.3 256 406.5 303.8 100 6 Nagabu Met. 64.6 60.8 106 352.9 326.6 108 446.84 7 Ngabu Met. 77.2 69.9 110 426.0 346.5 123 6 Saterwa Tea 97.2 89.5 109 327.1 523.3 88 71 5 <								
Mangochi Met. 11.6 60.5 19 224.3 311.5 72 5 Mimosa Met. 161.2 91.4 176 625.8 565.8 111 8 Monkey Bay Met. 0.6 64.9 1 318.8 357.2 89 1 Mulanje Boma 178.6 108.4 165 406.5 632.5 64 9 Namijiwa Agric 183.8 71.3 258 486.2 403.5 120 6 Nchalo Sucoma 114.2 50.6 226 307.1 276.2 111 3 Neno Agric 159.9 80.6 198 348.9 416.6 84 7 Ngabu Met. 64.6 60.8 106 352.9 250.6 108 44 Namija Met. 77.2 89.5 109 327.1 522.4 63 7 Thyolo Met 156.3 66.6 235 443.2 445.3 98 8 Comba RTC <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
Mimösa Met. 161.2 91.4 176 625.8 565.8 111 8 Monkey Bay Met. 0.6 64.9 1 318.8 357.2 89 1 Mulanje Boma 176.6 108.4 165 406.5 632.5 64 9 Maminjwa Agric 183.8 71.3 258 446.2 403.5 120 6 Nend Agric 159.9 80.6 198 348.9 416.6 84 7 Ngabu Met. 64.6 60.8 106 352.9 326.6 108 4 Naraje Borna 56.8 56.7 100 351.2 350.8 100 6 Satemwa Tea 97.2 89.5 109 327.1 522.4 63.7 7 Thyolo Met 156.3 66.6 23 443.2 453.3 98 8 Zomba RTC 118.2 73.0 162 344.2 453.1 73 9 71 5 5								
Monkey Bay Met. 0.6 64.9 1 318.8 357.2 89 1 Mpemba Vet 117.4 100.8 116 570.4 479.4 119 6 Mulanje Boma 178.6 108.4 165 406.5 632.5 64 9 Namijwa Agric 183.8 71.3 258 446.2 403.5 120 6 Nchalo Sucoma 114.2 50.6 226 307.1 276.2 111 3 Neap Boma 56.8 56.7 100 351.2 350.8 100 6 Nsarje Boma 56.8 56.7 100 351.2 350.8 100 6 Satemwa Tea 97.2 89.5 109 327.1 522.4 63 7 Thyolo Met 156.3 66.6 235 443.2 453.3 98 2 CENTRE 118.2 77.0 162 349.2 443.1 71 5 <								
Mpemba Vet 117.4 100.8 116 570.4 479.4 119 6 Mulanje Boma 178.6 108.4 165 406.5 632.5 64 9 Naminjiwa Agric 183.8 71.3 258 486.2 400.5 120 6 Neno Agric 159.9 80.6 198 348.9 416.6 84 7 Ngabu Met. 64.6 60.8 106 352.9 326.6 108 4 Naraje Boma 56.8 56.7 100 351.2 350.8 100 6 Satemwa Tea 97.2 89.5 109 327.1 522.4 63 7 Thyolo Met 156.3 66.6 235 443.2 453.3 98 8 Zomba RTC 118.2 73.0 162 344.1 73 9 Childka Namitete 27.5 86.1 32 211.5 384.6 55 3 Childka Namitete 27.5								
Mulanje Boma 178.6 108.4 165 406.5 632.5 64 9 Naminjwa Agric 183.8 71.3 258 486.2 403.5 120 6 Nchalo Sucoma 114.2 50.6 226 307.1 276.2 111 3 Neno Agric 159.9 80.6 198 348.9 416.6 84 7 Ngabu Met. 64.6 60.8 106 352.9 326.6 108 4 Nanje Boma 56.8 56.7 100 351.2 350.8 100 6 Satemwa Tea 97.2 89.5 109 327.1 522.4 63 7 Thyolo Met 156.3 66.6 235 443.2 453.3 98 8 Comba RTC 118.2 73.0 162 349.2 481.1 73 9 CENTRE C 5 75.4 37 261.7 369.8 71 5 Chitedze Met.								-
Naminjiwa Agric 183.8 71.3 258 486.2 403.5 120 6 Nchalo Sucoma 114.2 50.6 226 307.1 276.2 111 3 Neno Agric 159.9 80.6 198 348.9 416.6 84 7 Nsanje Boma 56.8 56.7 100 351.2 350.8 100 6 Ntaja Met. 77.2 69.9 110 426.0 346.5 123 6 Satemwa Tea 97.2 89.5 109 327.1 522.4 63 7 Thyoio Met 156.3 66.6 235 443.2 453.3 98 8 Centree 73.0 162 349.2 481.1 73 9 Centree 75.5 77.6 37 261.7 369.8 71 5 Dedza Met 57.9 79.1 73 412.7 361.2 114 7 Dwangwa 72.5 79.4								
Neno Agric 159.9 80.6 198 348.9 416.6 84 7 Nsanje Boma 56.8 56.7 100 351.2 350.8 100 6 Satemwa Tea 97.2 89.5 109 327.1 522.4 63 7 Thyolo Met 156.3 66.6 235 443.2 453.3 98 8 Zomba RTC 118.2 7.0 162 349.2 481.1 73 9 CENTRE 75.5 86.1 32 211.5 384.6 55 3 Chileka Namitete 27.5 79.1 73 412.7 369.8 71 5 Dedza Met 57.9 79.4 91 277.2 419.8 66 4 Kaluuma DTC 21.0 59.1 36 225.3 307.1 73 2 K.J.A Met 100.1 65.7 152 324.3 304.7 73 4 Lisasadzi 1.9 77.		183.8			486.2			
Ngabu Met. 64.6 60.8 106 352.9 326.6 108 4 Nsajnje Borna 56.8 56.7 100 351.2 350.8 100 6 Ntaja Met. 77.2 69.9 110 426.0 346.5 123 6 Satemwa Tea 97.2 89.5 109 327.1 522.4 63 7 Thyolo Met 156.3 66.6 235 443.2 453.3 98 8 Zomba RTC 118.2 73.0 162 349.2 481.1 73 9 Chiledze Met 27.5 86.1 32 211.5 384.6 55 3 Chiledze Met 27.5 79.4 91 277.2 419.8 66 4 Kaluluma DTC 21.0 55.1 36 225.3 307.1 73 1 Kasiya Agric 21.5 69.8 31 243.1 386.1 63 7 Kasungu Met 16.5								
Nsanje Boma 56.8 56.7 100 351.2 350.8 100 6 Ntaja Met. 77.2 69.9 110 426.0 346.5 123 6 Satemwa Tea 97.2 89.5 109 327.1 522.4 63 7 Thyolo Met 156.3 66.6 235 443.2 453.3 98 8 Zomba RTC 118.2 73.0 162 349.2 481.1 73 9 CENTRE Chileka Namitete 27.5 86.1 32 211.5 384.6 55 3 Dedza Met 57.9 79.1 73 412.7 361.2 114 7 Dwangwa 72.5 79.4 91 277.2 419.8 66 4 Kaluuma DTC 21.0 59.1 36 225.3 307.1 73 2 K.I.A Met 100.1 65.7 152 324.3 304.7 106 6 4xasiya Agric 21.5								
Ntaja [^] Met. 77.2 69.9 110 426.0 346.5 123 6 Satemwa Tea 97.2 89.5 109 327.1 522.4 63 7 Thyolo Met 156.3 66.6 235 443.2 453.3 98 8 Zomba RTC 118.2 73.0 162 349.2 481.1 73 9 CENTRE Chiteka Namitete 27.5 86.1 32 211.5 384.6 55 3 Chiteka Namitete 27.5 79.4 91 277.2 419.8 66 4 Kaluuma DTC 21.0 59.1 36 225.3 307.1 73 2 K.I.A Met 100.1 65.7 152 324.3 304.7 106 6 Kasiya Agric 21.5 69.8 31 243.1 346.1 63 7 Kasiya Agric 1.9 77.2 2 234.7 321.1 73 1 Malomo Agric								
Satemwa Tea 97.2 89.5 109 327.1 522.4 63 7 Thyolo Met 156.3 66.6 235 443.2 453.3 98 8 Zomba RTC 118.2 73.0 162 349.2 481.1 73 9 CENTRE								
Thyolo Met 156.3 66.6 235 443.2 453.3 98 8 Zomba RTC 118.2 73.0 162 349.2 481.1 73 9 CENTRE								
Zomba RTC 118.2 73.0 162 349.2 481.1 73 9 CENTRE Chileka Namitete 27.5 86.1 32 211.5 384.6 55 3 Chileka Namitete 27.5 86.1 37 261.7 369.8 71 5 Dedza Met 57.9 79.1 73 412.7 361.2 114 7 Dwangwa 72.5 79.4 91 227.2 419.8 66 4 Kaluluma DTC 21.0 59.1 36 225.3 307.1 73 2 K.I.A Met 100.1 65.7 152 324.3 306.1 63 7 Kasungu Met 16.5 68.3 24 243.1 336.1 73 4 Lisasadzi 1.9 77.2 2 234.7 321.1 73 1 Maching Boma 35.3 82.0 43 376.7 410.0 92 5 Mkanda Met 24.1								
CENTRE Chileka Namitete 27.5 86.1 32 211.5 384.6 55 3 Chitedze Met. 28.5 77.6 37 261.7 369.8 71 5 Dedza Met 57.9 79.1 73 412.7 361.2 114 7 Dwangwa 72.5 79.4 91 277.2 419.8 66 4 Kaluluma DTC 21.0 59.1 36 225.3 307.1 73 2 K.I.A Met 100.1 65.7 152 324.3 304.7 106 6 Kasiya Agric 21.5 69.8 31 243.1 386.1 63 7 Kasagadzi 1.9 77.2 2 234.7 321.1 73 1 Malomo Agric 61.9 66.0 94 259.0 254.0 102 4 Mohniji Boma 35.3 82.0 43 376.7 410.0 92 5 Mkanda Met 24.1								
Chitedze Met. 28.5 77.6 37 261.7 369.8 71 5 Dedza Met 57.9 79.1 73 412.7 361.2 114 7 Dwangwa 72.5 79.4 91 277.2 419.8 66 4 Kaluluma DTC 21.0 59.1 36 225.3 307.1 73 2 K.I.A Met 100.1 65.7 152 324.3 304.7 106 6 Kasungu Met 16.5 68.3 24 244.5 334.7 73 4 Lisasadzi 1.9 77.2 2 234.7 321.1 73 1 Malomo Agric 61.9 66.0 94 259.0 254.0 102 4 Mchinji Boma 35.3 82.0 43 376.7 410.0 92 5 Mkanda Met 24.1 57.2 39 301.5 279.1 108 2 Morinba Research 0.0								
Dedza Met 57.9 79.1 73 412.7 361.2 114 7 Dwangwa 72.5 79.4 91 277.2 419.8 666 4 Kaluluma DTC 21.0 59.1 36 225.3 307.1 73 2 K.I.A Met 100.1 65.7 152 324.3 304.7 106 6 Kasiya Agric 21.5 69.8 31 243.1 386.1 63 7 Kasungu Met 16.5 68.3 24 244.5 334.7 73 4 Lisasadzi 1.9 77.2 2 234.7 321.1 73 1 Malomo Agric 61.9 96.0 94 259.0 254.0 102 4 Mchinji Boma 35.3 82.0 43 376.7 410.0 92 5 Mkanda Met 24.1 57.2 42 326.1 386.4 84 2 Moronela Agric 27.5 70	Chileka Namitete	27.5	86.1	32	211.5	384.6	55	3
Dwangwa 72.5 79.4 91 277.2 419.8 66 4 Kaluluma DTC 21.0 59.1 36 225.3 307.1 73 2 K.I.A Met 100.1 65.7 152 324.3 304.7 106 6 Kasiya Agric 21.5 69.8 31 243.1 386.1 63 7 Kasungu Met 16.5 68.3 24 244.5 334.7 73 4 Lisasadzi 1.9 77.2 2 234.7 321.1 73 1 Malomo Agric 61.9 66.0 94 259.0 254.0 102 4 Mchinji Boma 35.3 82.0 43 376.7 410.0 92 5 Mkanda Met 24.1 57.2 39 301.5 279.1 108 2 Monela Agric 27.5 70.2 39 301.5 279.1 108 2 Mwimba Research 0.0 <td< td=""><td>Chitedze Met.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Chitedze Met.							
Kaluluma DTC 21.0 59.1 36 225.3 307.1 73 2 K.I.A Met 100.1 65.7 152 324.3 304.7 106 6 Kasiya Agric 21.5 69.8 31 243.1 386.1 63 7 Kasungu Met 16.5 68.3 24 244.5 334.7 73 4 Lisasadzi 1.9 77.2 2 234.7 321.1 73 1 Malomo Agric 61.9 66.0 94 259.0 254.0 102 4 Mchinji Boma 35.3 82.0 43 376.7 410.0 92 5 Mkanda Met 24.1 57.2 42 326.1 386.4 84 2 Mponela Agric 27.5 70.2 39 301.5 279.1 108 2 Mwimba Research 0.0 49.6 0 198.3 332.2 60 0 Mtakataka Airwing 35.5 54.3 65 629.0 329.5 191 4 Nthotakota								
K.I.A Met 100.1 65.7 152 324.3 304.7 106 6 Kasiya Agric 21.5 69.8 31 243.1 386.1 63 7 Kasungu Met 16.5 68.3 24 244.5 334.7 73 4 Lisasadzi 1.9 77.2 2 234.7 321.1 73 1 Malomo Agric 61.9 66.0 94 259.0 254.0 102 4 Mchinji Boma 35.3 82.0 43 376.7 410.0 92 5 Mkanda Met 24.1 57.2 42 326.1 386.4 84 2 Mponela Agric 27.5 70.2 39 301.5 279.1 108 2 Mwimba Research 0.0 49.6 0 198.3 332.2 60 0 Mtakatak Airwing 35.5 54.3 65 629.0 329.5 191 4 Nathenje Agric 43.5 71.2 61 330.0 324.4 102 3 Nkhotakot								
Kasiya Agric 21.5 69.8 31 243.1 386.1 63 7 Kasungu Met 16.5 68.3 24 244.5 334.7 73 4 Lisasadzi 1.9 77.2 2 234.7 321.1 73 1 Malomo Agric 61.9 66.0 94 259.0 254.0 102 4 Mchinji Boma 35.3 82.0 43 376.7 410.0 92 5 Mkanda Met 24.1 57.2 42 326.1 386.4 84 2 Mponela Agric 27.5 70.2 39 301.5 279.1 108 2 Mwimba Research 0.0 49.6 0 198.3 332.2 60 0 Mtakataka Airwing 35.5 54.3 65 629.0 329.5 191 4 Nathenje Agric 43.5 71.2 61 330.0 324.4 102 3 Nkhotakota Met 37.2 109.8 34 415.0 427.1 97 4 Ntche								2
Kasungu Met Lisasadzi 16.5 68.3 24 244.5 334.7 73 4 Lisasadzi 1.9 77.2 2 234.7 321.1 73 1 Malomo Agric 61.9 66.0 94 259.0 254.0 102 4 Mchinji Boma 35.3 82.0 43 376.7 410.0 92 5 Mkanda Met 24.1 57.2 42 326.1 386.4 84 2 Mponela Agric 27.5 70.2 39 301.5 279.1 108 2 Mwimba Research 0.0 49.6 0 198.3 332.2 60 0 Mtakataka Airwing 35.5 54.3 65 629.0 329.5 191 4 Nathenje Agric 43.5 71.2 61 330.0 324.4 102 3 Nktokatoa Met 37.2 109.8 34 415.0 427.1 97 4 Ntcheu - Nkhande 264.1 92.9 284 542.2 424.3 128 5								
Lisasadzi 1.9 77.2 2 234.7 321.1 73 1 Malomo Agric 61.9 66.0 94 259.0 254.0 102 4 Mchinji Boma 35.3 82.0 43 376.7 410.0 92 5 Mkanda Met 24.1 57.2 42 326.1 386.4 84 2 Mponela Agric 27.5 70.2 39 301.5 279.1 108 2 Mwimba Research 0.0 49.6 0 198.3 332.2 60 0 Mtakataka Airwing 35.5 54.3 65 629.0 329.5 191 4 Nathenje Agric 43.5 71.2 61 330.0 324.4 102 3 Nkhotakota Met 37.2 109.8 34 415.0 427.1 97 4 Ntcheu - Nkhande 264.1 92.9 284 542.2 424.3 128 5 Salima Met <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
Malomo Agric 61.9 66.0 94 259.0 254.0 102 4 Mchinji Boma 35.3 82.0 43 376.7 410.0 92 5 Mkanda Met 24.1 57.2 42 326.1 386.4 84 2 Mponela Agric 27.5 70.2 39 301.5 279.1 108 2 Mwimba Research 0.0 49.6 0 198.3 332.2 60 0 Mtakataka Airwing 35.5 54.3 65 629.0 329.5 191 4 Nathenje Agric 43.5 71.2 61 330.0 324.4 1002 3 Nkhotakota Met 37.2 109.8 34 415.0 427.1 97 4 Ntcheu - Nkhande 264.1 92.9 284 542.2 424.3 128 6 Nchisi Boma 97.5 76.1 128 404.7 317.2 128 5 Salima Met								
Mchinji Boma35.382.043376.7410.0925Mkanda Met24.157.242326.1386.4842Mponela Agric27.570.239301.5279.11082Mwimba Research0.049.60198.3332.2600Mtakataka Airwing35.554.365629.0329.51914Nathenje Agric43.571.261330.0324.41023Nkhotakota Met37.2109.834415.0427.1974Ntcheu - Nkhande264.192.9284542.2424.31286Ntchisi Boma97.576.1128404.7317.21285Salima Met32.5101.232509.7396.91282NORTHBaka Res. Stn.24.066.136250.9322.3782Bolero Met18.766.928186.1311.3605Chitipa Met29.276.738163.7380.2435Chitipa Met29.276.738163.7380.2435Chitheche Agric108.188.2123360.8563.5643Luthini Agric.4.474.36259.2317.1822Karonga Met.36.766.156219.0308.7712Mbawa Res. Stn								4
Mponela Agric27.570.2 39 301.5279.1 108 2Mwimba Research0.049.60198.3332.2 60 0Mtakataka Airwing35.554.3 65 629.0329.5 191 4Nathenje Agric43.571.2 61 330.0324.4 102 3Nkhotakota Met37.2109.8 34 415.0427.1 97 4Ntcheu - Nkhande264.192.9 284 542.2424.3 128 6Ntchisi Boma97.576.1 128 404.7317.2 128 5Salima Met32.5101.2 32 509.7396.9 128 2NORTHBaka Res. Stn.24.066.1 36 250.9322.3 78 2Bolero Met18.766.9 28 186.1311.3 60 5Chitipa Met29.276.7 38 163.7380.2 43 5Chintheche Agric108.188.2 123 360.8563.5 64 3Euthini Agric.4.474.3 6 259.2317.1 82 2Karonga Met.36.766.1 56 219.0308.7 71 2Mbawa Res. Stn16.073.5 22 265.5333.3 80 4		35.3	82.0	43		410.0	92	5
Mwimba Research0.049.60198.3332.2600Mtakataka Airwing35.554.365629.0329.51914Nathenje Agric43.571.261330.0324.41023Nkhotakota Met37.2109.834415.0427.1974Ntcheu - Nkhande264.192.9284542.2424.31286Ntchisi Boma97.576.1128404.7317.21285Salima Met32.5101.232509.7396.91282NORTHBaka Res. Stn.24.066.136250.9322.3782Solero Met18.766.928186.1311.3605Chitipa Met29.276.738163.7380.2435Chintheche Agric108.188.2123360.8563.5643Euthini Agric.4.474.36259.2317.1822Karonga Met.36.766.156219.0308.7712Mbawa Res. Stn16.073.522265.5333.3804								2
Mtakataka Airwing Nathenje Agric 35.5 54.3 65 629.0 329.5 191 4 Nathenje Agric 43.5 71.2 61 330.0 324.4 102 3 Nkhotakota Met 37.2 109.8 34 415.0 427.1 97 4 Ntcheu - Nkhande 264.1 92.9 284 542.2 424.3 128 6 Ntchisi Boma 97.5 76.1 128 404.7 317.2 128 5 Salima Met 32.5 101.2 32 509.7 396.9 128 2 NORTH Baka Res. Stn. 24.0 66.1 36 250.9 322.3 78 2 Bolero Met 18.7 66.9 28 186.1 311.3 60 5 Chitipa Met 29.2 76.7 38 163.7 380.2 43 5 Chintheche Agric 108.1 88.2 123 360.8 563.5 64 3								
Nathenje Agric 43.5 71.2 61 330.0 324.4 102 3 Nkhotakota Met 37.2 109.8 34 415.0 427.1 97 4 Ntcheu - Nkhande 264.1 92.9 284 542.2 424.3 128 6 Ntchisi Boma 97.5 76.1 128 404.7 317.2 128 5 Salima Met 32.5 101.2 32 509.7 396.9 128 2 NORTH Baka Res. Stn. 24.0 66.1 36 250.9 322.3 78 2 Bolero Met 18.7 66.9 28 186.1 311.3 60 5 Chitipa Met 29.2 76.7 38 163.7 380.2 43 5 Chintheche Agric 108.1 88.2 123 360.8 563.5 64 3 Euthini Agric. 4.4 74.3 6 259.2 317.1 82 2								
Nkhotakota Met 37.2 109.8 34 415.0 427.1 97 4 Ntcheu - Nkhande 264.1 92.9 284 542.2 424.3 128 6 Ntchisi Boma 97.5 76.1 128 404.7 317.2 128 5 Salima Met 32.5 101.2 32 509.7 396.9 128 2 NORTH								
Ntcheu - Nkhande 264.1 92.9 284 542.2 424.3 128 6 Ntchisi Boma 97.5 76.1 128 404.7 317.2 128 5 Salima Met 32.5 101.2 32 509.7 396.9 128 2 NORTH								
Ntchisi Boma 97.5 76.1 128 404.7 317.2 128 5 Salima Met 32.5 101.2 32 509.7 396.9 128 2 NORTH Baka Res. Stn. 24.0 66.1 36 250.9 322.3 78 2 Bolero Met 18.7 66.9 28 186.1 311.3 60 5 Chitipa Met 29.2 76.7 38 163.7 380.2 43 5 Chintheche Agric 108.1 88.2 123 360.8 563.5 64 3 Euthini Agric. 4.4 74.3 6 259.2 317.1 82 2 Karonga Met. 36.7 66.1 56 219.0 308.7 71 2 Mbawa Res. Stn 16.0 73.5 22 265.5 333.3 80 4								
Salima Met32.5101.232509.7396.91282NORTHBaka Res. Stn.24.066.136250.9322.3782Bolero Met18.766.928186.1311.3605Chitipa Met29.276.738163.7380.2435Chintheche Agric108.188.2123360.8563.5643Euthini Agric.4.474.36259.2317.1822Karonga Met.36.766.156219.0308.7712Mbawa Res. Stn16.073.522265.5333.3804								
NORTH Baka Res. Stn.24.066.136250.9322.3782Bolero Met18.766.928186.1311.3605Chitipa Met29.276.738163.7380.2435Chintheche Agric108.188.2123360.8563.5643Euthini Agric.4.474.36259.2317.1822Karonga Met.36.766.156219.0308.7712Mbawa Res. Stn16.073.522265.5333.3804	Salima Met							2
Bolero Met18.766.928186.1311.3605Chitipa Met29.276.738163.7380.2435Chintheche Agric108.188.2123360.8563.5643Euthini Agric.4.474.36259.2317.1822Karonga Met.36.766.156219.0308.7712Mbawa Res. Stn16.073.522265.5333.3804								
Chitipa Met29.276.7 38 163.7380.2 43 5Chintheche Agric108.188.2 123 360.8563.5 64 3Euthini Agric.4.474.3 6 259.2317.1 82 2Karonga Met.36.766.1 56 219.0308.7 71 2Mbawa Res. Stn16.073.5 22 265.5333.3 80 4								2
Chintheche Agric108.188.2 123 360.8563.5 64 3Euthini Agric.4.474.3 6 259.2317.1 82 2Karonga Met.36.766.1 56 219.0308.7 71 2Mbawa Res. Stn16.073.5 22 265.5333.3 80 4								
Euthini Agric.4.474.36259.2317.1822Karonga Met.36.766.156219.0308.7712Mbawa Res. Stn16.073.522265.5333.3804								5
Karonga Met.36.766.156219.0308.7712Mbawa Res. Stn16.073.522265.5333.3804								3
Mbawa Res. Stn 16.0 73.5 22 265.5 333.3 80 4								
	Mzimba Met	47.1	73.5 89.4	53	265.5 372.4	353.3 351.7	106	4 7
Mzuzu Met. 67.2 67.4 100 236.0 429.7 55 6								
NkhataBay Met. 79.4 61.4 129 468.6 599.4 78 7								

STATION	MAX TEMP	MIN TEMP	ABS MAX	ABS MIN	WIND SPEED	RH
	(°C)	(°C)	(°C)	(°C)	m/s	%
BOLERO	29.8	17.1	34.2	15.4	1.0	72
BVUMBWE	26.3	18.4	28.0	17.6	1.1	82
CHICHIRI	28.0	19.0	31.5	17.0	0.3	74
CHILEKA	29.2	21.3	31.0	19.8	2.3	78
CHITEDZE	27.5	18.6	30.2	17.8	0.5	77
CHITIPA	27.9	17.3	30.6	16.6	0.5	72
DEDZA	24.5	16.5	26.3	15.7	0.9	79
KIA	26.7	17.7	28.8	16.4	1.2	77
KARONGA	31.2	22.7	35.0	21.4	1.1	71
KASUNGU	28.0	19.4	31.1	18.0	1.5	77
MAKOKA	28.2	19.0	30.3	17.8	0.9	82
MANGOCHI	31.7	22.7	34.3	21.9	1.1	72
MIMOSA	31.3	20.2	33.6	18.2	0.8	75
MONKEY BAY	31.1	23.3	33.4	22.2	1.6	72
MZIMBA	27.2	17.5	30.0	16.4	0.7	73
MZUZU	27.2	16.7	29.3	14.7	1.4	76
NGABU	33.4	23.4	36.6	22.5	1.2	84
NKHATA BAY	31.5	21.0	33.4	19.9	0.6	77
NKHOTAKOTA	29.4	22.8	32.2	22.1	1.5	75
NTAJA	30.1	21.5	32.1	20.6	1.2	77
SALIMA	30.8	22.5	32.5	20.1	1.2	77

TABLE 2: AGROMETEOROLOGICAL PARAMETERS FOR 01 – 10 JANUARY 2009

Glossary of some terms on this table

- RH = Relative Humidity
- Mean Temperature of the day =(Max of the day + Min of the same day)/2
- ABS Max (Min) = Absolute Maximum (minimum) is the highest (lowest) of maximum (minimum) temperatures observed for a given number of days (calendar month) of a specified period of months (years).
- To convert Meters Per Second (mps) to Kilometers per hour (Km/hr) = mpsx3.6