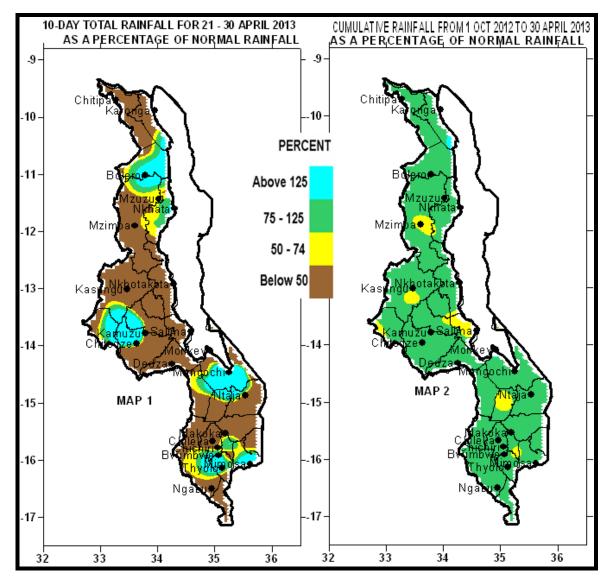


HIGHLIGHTS

- Mostly dry conditions prevailed during the last ten days of April 2013...
- Average seasonal rainfall amounts received in during 2012/13 season...
- Occasional generally light rainfall expected in May and June 2013...





All inquiries should be addressed to: The Director of Climate Change and Meteorological Services, P.O. Box 1808, Blantyre, MALAWI Tel: (265) 1 822 014/106 Fax: (265) 1 822 215 E-mail: <u>metdept@metmalawi.com</u> Homepage: www.metmalawi.com

1.0 WEATHER SUMMARY AND IMPACTS

1.1 RAINFALL SITUATION

During the last ten days of April 2013, the main rain belt was over East Africa. As a result below average cumulative rainfall and dry weather prevailed over most parts of Malawi except at very few places. A few places that had registered significant and above average cumulative rainfall amounts in excess of 100mm included Chizunga Factory 102mm and Lujeri Tea Estate 145mm in the south, Kasiya Agric (117mm) in the centre and in the north such high intensity rainfall was recorded at Mkondezi in Nkhata Bay where Nkhata Bay Met had 161mm and Vinthukutu Agric in Karonga had 110mm. More details are on Table 1.

Cumulative rainfall performance from October 2012 up to 30 April, 2013 indicated that the 2012/13 rainfall season in Malawi has been generally good (green colour on Map 2) although localized rainfall deficits have also been experienced. Notable areas with rainfall deficits (yellow colour on map 2) were mostly confined around Balaka in the south, Salima in the centre and Mzimba in the north. For more details refer to Table 1 and Map 2.

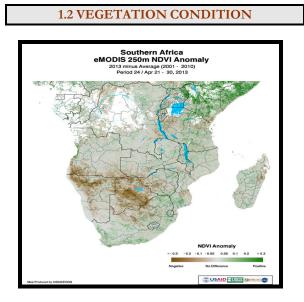


Figure 2: Vegetation Condition over Southern Africa

The vegetation diference from long term average map for Southern Africa for the period 21 to 30^{th} April 2013 is shown in Figure 2. The larger part of

southern africa region had negative anomalies as the main rainfall season comes to an end and positive anomalies were mostly confined to East Africa due to active rain belt.

1.3 AIR TEMPERATURE

During the last ten days of April 2013, Malawi had experienced warm to hot temperatures during the day and cool to mild temperatures during the night and early morning. Reported mean daily maximum temperatures ranged from 22°C over highlands such as at Dedza to 31°C over low altitude areas such as Ngabu in Chikhwawa. The highest absolute maximum temperature was registered at Ngabu (34°C) while the lowest absolute minimum temperature wasaround 10°C, reported at Dedza and Kasungu. More details are in Table 2.

1.4 WIND SPEEDS

Mean daily wind speed at a height of two meters above the ground, were generally light during the period under review. The highest wind speed was reported at Chitipa (5.0 m/s) while the lowest wind speed was recorded at Chitedze and Nkhata Bay (0.9 m/s). More details are in Table 2.

1.5 RELATIVE HUMIDITY

Mean Relative Humidity values continued to decline over most areas as dry weather crept in. Mean daily relative humidity values ranged from 60% to 83%. The lowest mean relative humidity value was reported at Chichiri in Blantyre district while the highest relative humidity was registered at Mzuzu Airport. See more details in Table 2.

2.0 AGROMETEOROLOGICAL ASSESSMENT

Dry conditions that prevailed over most parts of the country during the last ten days of April 2013 continued to facilitate harvesting and drying of matured crops. Harvesting of maize which is the staple food for Malawians was in progress throughout the country. This has improved in food security at household level as most farm families had food from their own production. The rainfall performance during the 2012/13 growing season

Period: 21– 30 April 2013

has been generally good without prolonged dry spells in most areas. This resulted in average crop stand in most fields and average crop yields. However, crop production in few areas particularly in Mzimba and western parts of Rumphi district has been negatively affected by dry spells between mid February and mid March 2013. The worse affected crops included late planted and local maize.

Second round results from the Agrometeorological Maize Yield assessment model suggest that despite late start of the planting rains and prolonged dry spells in a few areas, Malawi is expected to produce around 3.7 million Metric Tons of Maize this season which is an increase of 4% over 3rd estimate figure of 3.6 million Metric Tons. However, this is not the official figure. For official agricultural production estimates please contact Ministry of Agriculture and Food Security. The following is an assessment by Agriculture Development Divisions (ADDs):

2.1 SHIRE VALLEY ADD

Dry conditions that prevailed in the ADD during the period under review had facilitated harvesting and drying of crops matured crops. Water and pasture for livestock were reported readily available and this continued to improve livestock condition in the ADD. Maize crop was reported at harvesting stage. Harvesting of matured crops has improved household food security in the ADD.

2.2 BLANTYRE ADD

The dry weather continued to facilitate harvesting and drying of matured crops. Harvesting of Maize was being finalised in most parts of the ADD. This has greatly improved household food security in the ADD.

2.3 MACHINGA ADD

Dry conditions persisted in Machinga ADD during the period under review as the main rainfall season comes to an end. Most areas had registered nil rainfall and below average rainfall situation except areas around Mangochi Boma which had recorded above average rainfall situation during the entire period. The dry weather continued to facilitate harvesting and drying of matured crops. Harvesting of various crops was in progress in the ADD. This has improved household food security in the ADD

2.4 LILONGWE ADD

Most of Lilongwe ADD had experienced either nil rainfall or below average rainfall situation during the entire period as the main rains are tailing off. Dry weather continued to facilitate harvesting and drying of matured crops. Maize crop was at harvesting stage. Harvesting of matured crops was in progress in the ADD. This continued to improve household food security in Lilongwe ADD.

2.5 SALIMA ADD

Salima ADD had either registered nil rainfall or far below average rainfall amounts. The Maize crop was reported to be at harvesting stage. Harvesting of matured crops was in progress in the ADD and this had improved household food security in the ADD.

2.6 KASUNGU ADD

Kasungu ADD had registered below average rainfall amounts. The Maize crop was reported at harvesting stage and harvesting of matured crops was in progress in the ADD and this had positively impacted on household food security.

2.7 MZUZU ADD

Most parts of Mzuzu ADD had had registered below average rainfall amounts. The Maize crop was reported to be mostly between drying and harvesting stages. Harvesting of matured crops was in progress in the ADD and this had positively impacted on household food security.

2.8 KARONGA ADD

Most parts of Karonga ADD had experienced dry conditions and below average rainfall amounts. The dry weather had facilitated harvesting and drying of matured crops The Maize crop was reported to be mostly at harvesting stage. Harvesting of matured crops was in progress in the ADD and this had positively contributed to household food security.

3. PROSPECTS FOR 2012/13 RAINFALL SEASON

Updated climate prediction models suggest that neutral conditions (neither El Niño nor La Niña) have been established in the tropical Pacific and model forecasts and expert opinion suggest that neutral conditions are likely to persist into our winter season 2013.

As the main rainfall season is tailing off at the end of April, Malawi is expected to experience Chiperone type of rainfall during most of the period between May to June 2013. This type of rainfall mostly favours areas along the lakeshore and highlands

4. OUTLOOK FOR MAY AND JUNE 2013

A series of high pressure systems are expected to periodically induce cool and moist air from the Indian Ocean into Malawi. Therefore, occasional and generally light rainfall is expected particularly over highlands and along the Lakeshore during May and June 2013.

TABLE 1: DEKADAL RAINFALL FOR SELECTED STATIONS FOR DEKAD 3 OF APRIL 2013: PERIOD 21 – 30TH

STATION NAME SOUTHERN REGION Balaka Township Bvumbwe Met. Chancellor College Chichiri Met. Chikwawa Boma Chikwawa Boma Chikwawa Boma Chikwawa Boma Chikwawa Boma Chikwawa Boma Chiradzulu Agric Chiradzulu Agric Chiradzulu Agric Chiradzulu Agric Chizunga Factory Kasinthula Res. Stn. Lujeri Tea Estate Mpilijbil (Makanjila) Makhanga Met Mangochi Met. Mangochi Met. Mamagochi Met. Monkey Bay Met. Mularig Boma Naminjiwa Agric Namingi Boma Naningi Boma Naningi Met. Naaja Met. Naja Met. Phalula Agric Saternwa Tea Est. No.1 Thyolo Boma <	RAINFALL mm 0.0 15.6 0.6 4.0 9.4 0.5 0.0 9.4 0.5 0.0 1.3 101.7 0.0 145.0 1.3 0.0 53.6 45.9 62.4 0.2 9.1 72.7 3.1 0.0 <th>mm</th> <th>PERCENTAGE OF NORMAL 0 95 5 24 136 5 0 0 0 185 559 0 230 230 230 27 0 0 230 230 27 0 0 1072 162 169 13 81 246 29 0 0 0</th> <th>DATE mm 427.2 1150.4 1308.0 1346.1 842.8 756.3 933.4 805.4 807.5 1173.6 668.5 2411.1 651.9 993.9 736.1 793.7 1304.8 1588.5 817.3 1260.1 1714.0 981.3 657.1</th> <th>DATE mm 849.5 1082.9 1268.8 1095.3 750.2 1045.7 872.4 910.3 965.6 1308.9 708.4 1983.7 877.1 708.8 959.5 697.9 1305.1 1412.3 562.9 1102.4 1688.7 999.1</th> <th>OF NORMAL 50 106 103 123 112 72 107 88 84 90 94 122 74 140 77 114 100 112 145 114 101 98</th> <th>≥ 0.3 mm 0 5 1 4 2 1 0 0 0 2 5 0 0 5 0 0 8 1 0 0 0 1 2 8 0 0 1 3 4 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0</th>	mm	PERCENTAGE OF NORMAL 0 95 5 24 136 5 0 0 0 185 559 0 230 230 230 27 0 0 230 230 27 0 0 1072 162 169 13 81 246 29 0 0 0	DATE mm 427.2 1150.4 1308.0 1346.1 842.8 756.3 933.4 805.4 807.5 1173.6 668.5 2411.1 651.9 993.9 736.1 793.7 1304.8 1588.5 817.3 1260.1 1714.0 981.3 657.1	DATE mm 849.5 1082.9 1268.8 1095.3 750.2 1045.7 872.4 910.3 965.6 1308.9 708.4 1983.7 877.1 708.8 959.5 697.9 1305.1 1412.3 562.9 1102.4 1688.7 999.1	OF NORMAL 50 106 103 123 112 72 107 88 84 90 94 122 74 140 77 114 100 112 145 114 101 98	≥ 0.3 mm 0 5 1 4 2 1 0 0 0 2 5 0 0 5 0 0 8 1 0 0 0 1 2 8 0 0 1 3 4 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0
Balaka Township Bvumbwe Met. Chancellor College Chichiří Met. Chikweo Agric. Chikeka Airport Chiradzulu Agric Makoka Met Makoka Met Mangochi Met. Masambanjati Agric Mimosa Met. Monkey Bay Met. Mulanje Boma Namiasi Agric Naminjiwa Agric Naminjiwa Agric Namingi Met. Neno Agric Ngabu Met. Nsanje Boma Ntaja Met. Phalula Agric Saternwa Tea Est. No.1 Thyolo Boma Thyolo Boma Thyolo Met Zomba RTC Central REGION Bunda College Chitedze Met. Dedza Met	$\begin{array}{c} 15.6\\ 0.6\\ 4.0\\ 9.4\\ 0.5\\ 0.0\\ 0.0\\ 21.8\\ 101.7\\ 0.0\\ 145.0\\ 1.3\\ 0.0\\ 0.0\\ 0.0\\ 53.6\\ 45.9\\ 62.4\\ 0.2\\ 9.1\\ 72.7\\ 3.1\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0$	$\begin{array}{c} 16.5\\ 11.0\\ 6.9\\ 9.6\\ 8.8\\ 5.7\\ 11.8\\ 18.2\\ 10.7\\ 63.0\\ 4.8\\ 5.9\\ 10.4\\ 5.9\\ 10.4\\ 5.9\\ 10.4\\ 5.0\\ 28.4\\ 36.9\\ 1.5\\ 11.3\\ 29.6\\ 10.6\\ 1.7\\ 5.4\\ 8.4\\ 8.6\end{array}$	95 5 24 136 5 0 0 185 559 0 230 27 0 230 27 0 0 0 1072 162 169 13 81 246 29 0 0	1150.4 1308.0 1346.1 842.8 756.3 933.4 805.4 807.5 1173.6 668.5 2411.1 651.9 993.9 736.1 793.7 1304.8 1588.5 817.3 1260.1 1714.0 981.3	1082.9 1268.8 1095.3 750.2 1045.7 872.4 910.3 965.6 1308.9 708.4 1983.7 877.1 708.8 959.5 697.9 1305.1 1412.3 562.9 1102.4 1102.4 1102.4	106 103 123 112 72 107 88 84 90 94 122 74 140 77 114 100 112 145 114 101	5 1 4 2 1 0 0 2 5 0 8 1 0 0 1 2 8 0 1 2 8 0 3 4
Bvumbwe Met. Chancellor College Chichiri Met. Chikwawa Boma Chikwawa Boma Chikwawa Boma Chikwao Agric. Chikada Airport Chikada Airport Chinzalu Agric Chiradzulu Agric Chiradzulu Agric Chizunga Factory Kasinthula Res. Stn. Lujeri Tea Estate Mpilipili (Makanjila) Makhanga Met Makoka Met Mangochi Met. Mangochi Met. Monesa Met. Monesa Met. Mulanje Boma Naminjiwa Agric Naminjiwa Agric Naminjiwa Agric Namayie Boma Nealo Sucoma Nealo Sucoma Nealo Met. Nsanje Boma Ntaja Met. Phalula Agric Saternwa Tea Est. No.1 Thyolo Boma Thyolo Boma Thyolo Boma Thyolo Met Zomba RTC CENTRAL REGION Bunda College Chiledze Met. <td>$\begin{array}{c} 15.6\\ 0.6\\ 4.0\\ 9.4\\ 0.5\\ 0.0\\ 0.0\\ 21.8\\ 101.7\\ 0.0\\ 145.0\\ 1.3\\ 0.0\\ 0.0\\ 0.0\\ 53.6\\ 45.9\\ 62.4\\ 0.2\\ 9.1\\ 72.7\\ 3.1\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0$</td> <td>$\begin{array}{c} 16.5\\ 11.0\\ 6.9\\ 9.6\\ 8.8\\ 5.7\\ 11.8\\ 18.2\\ 10.7\\ 63.0\\ 4.8\\ 5.9\\ 10.4\\ 5.9\\ 10.4\\ 5.9\\ 10.4\\ 5.0\\ 28.4\\ 36.9\\ 1.5\\ 11.3\\ 29.6\\ 10.6\\ 1.7\\ 5.4\\ 8.4\\ 8.6\end{array}$</td> <td>95 5 24 136 5 0 0 185 559 0 230 27 0 230 27 0 0 0 1072 162 169 13 81 246 29 0 0</td> <td>1150.4 1308.0 1346.1 842.8 756.3 933.4 805.4 807.5 1173.6 668.5 2411.1 651.9 993.9 736.1 793.7 1304.8 1588.5 817.3 1260.1 1714.0 981.3</td> <td>1082.9 1268.8 1095.3 750.2 1045.7 872.4 910.3 965.6 1308.9 708.4 1983.7 877.1 708.8 959.5 697.9 1305.1 1412.3 562.9 1102.4 1102.4 1102.4</td> <td>106 103 123 112 72 107 88 84 90 94 122 74 140 77 114 100 112 145 114 101</td> <td>5 1 4 2 1 0 0 2 5 0 8 1 0 0 1 2 8 0 1 2 8 0 3 4</td>	$\begin{array}{c} 15.6\\ 0.6\\ 4.0\\ 9.4\\ 0.5\\ 0.0\\ 0.0\\ 21.8\\ 101.7\\ 0.0\\ 145.0\\ 1.3\\ 0.0\\ 0.0\\ 0.0\\ 53.6\\ 45.9\\ 62.4\\ 0.2\\ 9.1\\ 72.7\\ 3.1\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0$	$\begin{array}{c} 16.5\\ 11.0\\ 6.9\\ 9.6\\ 8.8\\ 5.7\\ 11.8\\ 18.2\\ 10.7\\ 63.0\\ 4.8\\ 5.9\\ 10.4\\ 5.9\\ 10.4\\ 5.9\\ 10.4\\ 5.0\\ 28.4\\ 36.9\\ 1.5\\ 11.3\\ 29.6\\ 10.6\\ 1.7\\ 5.4\\ 8.4\\ 8.6\end{array}$	95 5 24 136 5 0 0 185 559 0 230 27 0 230 27 0 0 0 1072 162 169 13 81 246 29 0 0	1150.4 1308.0 1346.1 842.8 756.3 933.4 805.4 807.5 1173.6 668.5 2411.1 651.9 993.9 736.1 793.7 1304.8 1588.5 817.3 1260.1 1714.0 981.3	1082.9 1268.8 1095.3 750.2 1045.7 872.4 910.3 965.6 1308.9 708.4 1983.7 877.1 708.8 959.5 697.9 1305.1 1412.3 562.9 1102.4 1102.4 1102.4	106 103 123 112 72 107 88 84 90 94 122 74 140 77 114 100 112 145 114 101	5 1 4 2 1 0 0 2 5 0 8 1 0 0 1 2 8 0 1 2 8 0 3 4
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Chileka Airport Chiradzulu Agric Chizunga Factory Kasinthula Res. Stn. Lujeri Tea Estate Mpilipili (Makanjila) Mahanga Met Makhanga Met Makanga Met Makanga Met Makanga Met Makanga Met Mangochi Met. Masambanjati Agric Mulanje Borna Mulanje Borna Namiasi Agric Namiasi Agric Namiasi Agric Namiesi Agric Namiesi Agric Namiesi Agric Namiesi Agric Nagabu Met. Nsanje Borna Ntaja Met. Phalula Agric Satemwa Tea Est. No.1 Thyolo Borna Thyolo Borna Thyolo Met Zomba RTC CENTRAL REGION Bunda College Chitedze Met. Dedza Met	0.0 0.0 21.8 101.7 0.0 145.0 1.3 0.0 0.0 53.6 45.9 62.4 0.2 9.1 72.7 3.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.7 11.8 18.2 10.7 63.0 4.8 5.9 10.4 5.9 10.4 5.0 28.4 36.9 1.5 11.3 29.6 10.6 1.7 5.4 8.4 8.4 8.4	0 185 559 0 230 27 0 0 1072 162 169 13 81 246 29 0 0	933.4 805.4 807.5 1173.6 668.5 2411.1 651.9 993.9 736.1 793.7 1304.8 1588.5 817.3 1260.1 1714.0 981.3	910.3 965.6 1308.9 708.4 1983.7 877.1 708.8 959.5 697.9 1305.1 1412.3 562.9 1102.4 1688.7 999.1	88 84 90 94 122 74 140 77 114 100 112 145 114 101	0 2 5 0 8 1 0 0 1 2 8 8 0 0 3 4
Chiradzulu Agric Chiradzulu Agric Chizunga Factory Kasinthula Res. Stn. Lujeri Tea Estate Mpilipili (Makanjila) Makoka Met Magochi Met. Mangochi Met. Monkey Bay Met. Monkey Bay Met. Mulanje Boma Namaza Boma Namiasi Agric Naminjiwa Agric Naminjiwa Agric Naminjiwa Agric Naminjiwa Agric Naminjiwa Agric Namasi Agric Naminjiwa Agric Naminjiwa Agric Nama Boma Neno Agric Ngabu Met. Nsanje Boma Ntaja Met. Phalula Agric Satemwa Tea Est. No.1 Thyolo Boma Thyolo Boma Thyolo Boma Thyolo Met Zomba RTC Central REGION Bunda College Chitedze Met. Dedza Met	$\begin{array}{c} 21.8 \\ 101.7 \\ 0.0 \\ 145.0 \\ 1.3 \\ 0.0 \\ 0.0 \\ 53.6 \\ 45.9 \\ 62.4 \\ 0.2 \\ 9.1 \\ 72.7 \\ 3.1 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 5.0 \\ 0.0 \\ 0.0 \\ 4.2 \\ 4.5 \end{array}$	11.8 18.2 10.7 63.0 4.8 5.9 10.4 5.0 28.4 36.9 1.5 11.3 29.6 10.6 1.7 5.4 8.4	185 559 0 230 27 0 0 0 1072 162 169 13 81 246 29 0 0	807.5 1173.6 668.5 2411.1 651.9 993.9 736.1 793.7 1304.8 1588.5 817.3 1260.1 1714.0 981.3	965.6 1308.9 708.4 1983.7 877.1 708.8 959.5 697.9 1305.1 1412.3 562.9 1102.4 1688.7 999.1	84 90 94 122 74 140 77 114 100 112 145 114 114 101	2 5 0 8 1 0 0 1 2 8 8 0 3 4
Chizunga Factory Kasinthula Res. Stn. Lujeri Tea Estate Mpilipili (Makanjila) Makhanga Met Makoka Met Mangochi Met. Mangochi Met. Masambanjati Agric Mimosa Met. Monkey Bay Met. Monkey Bay Met. Mulanje Boma Mwanza Boma Namiasi Agric Naminjiwa Agric Naminge Boma Neno Agric Nagu Met. Nsanje Boma Ntaja Met. Phalula Agric Satemwa Tea Est. No.1 Thyolo Boma Thyolo Boma Thyolo Met Zomba RTC CENTRAL REGION Bunda College Chiledze Met. Dedza Met	$\begin{array}{c} 101.7\\ 0.0\\ 145.0\\ 1.3\\ 0.0\\ 0.0\\ 53.6\\ 45.9\\ 62.4\\ 0.2\\ 9.1\\ 72.7\\ 3.1\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 5.0\\ 0.0\\ 4.2\\ 4.5\\ \end{array}$	$18.2 \\ 10.7 \\ 63.0 \\ 4.8 \\ 5.9 \\ 10.4 \\ 5.0 \\ 28.4 \\ 36.9 \\ 1.5 \\ 11.3 \\ 29.6 \\ 10.6 \\ 1.7 \\ 5.4 \\ 8.4 \\ 8.6 \\ 10.6 \\ 1.7 \\ 10.6 \\ 10$	559 0 230 27 0 0 1072 162 169 13 81 246 29 0 0	1173.6 668.5 2411.1 651.9 993.9 736.1 793.7 1304.8 1588.5 817.3 1260.1 1714.0 981.3	1308.9 708.4 1983.7 877.1 708.8 959.5 697.9 1305.1 1412.3 562.9 1102.4 1688.7 999.1	90 94 122 74 140 77 114 100 112 145 114 114 101	5 0 8 1 0 0 1 2 8 0 3 4
Kasinthula Res. Stn. Lujeri Tea Estate Mpilipili (Makanjila) Makhanga Met Maknanga Met Maknanga Met Maknanga Met Masambanjati Agric Mimosa Met. Monkey Bay Met. Monkey Bay Met. Mulanje Boma Mwanza Boma Namiasi Agric Naminjiwa Agric Namwera Agric Nagabu Met. Ngabu Met. Nsanje Boma Nitaja Met. Phalula Agric Satemwa Tea Est. No.1 Thyolo Boma Thyolo Met Zomba RTC CENTRAL REGION Bunda College Chitedze Met. Dedza Met	0.0 145.0 1.3 0.0 0.0 53.6 45.9 62.4 0.2 9.1 72.7 3.1 0.0 0.0 0.0 0.0 5.0 0.0 4.2 4.5	$\begin{array}{c} 10.7\\ 63.0\\ 4.8\\ 5.9\\ 10.4\\ 5.0\\ 28.4\\ 36.9\\ 1.5\\ 11.3\\ 29.6\\ 10.6\\ 1.7\\ 5.4\\ 8.4\\ 8.6\end{array}$	0 230 27 0 0 1072 162 169 13 81 246 29 0 0	668.5 2411.1 651.9 993.9 736.1 793.7 1304.8 1588.5 817.3 1260.1 1714.0 981.3	708.4 1983.7 877.1 708.8 959.5 697.9 1305.1 1412.3 562.9 1102.4 1688.7 999.1	94 122 74 140 77 114 100 112 145 114 101	0 8 0 0 1 2 8 0 3 4
Lujeri Tea Estate Milipili (Makanjila) Makhanga Met Makoka Met Masoka Met Masoka Met Masoka Met Mimosa Met. Monkey Bay Met. Mpemba Vet Mulanje Boma Mwanza Boma Namiasi Agric Namiasi Agric Namiasi Agric Namwera Agric Neno Agric Ngabu Met. Naga Met. Phalula Agric Saternwa Tea Est. No.1 Thyolo Boma Thyolo Boma Thyolo Met Zomba RTC CENTRAL REGION Bunda College Chitedze Met. Dedza Met	145.0 1.3 0.0 53.6 45.9 62.4 0.2 9.1 72.7 3.1 0.0 0.0 0.0 5.0 5.0 4.2 4.5	63.0 4.8 5.9 10.4 5.0 28.4 36.9 1.5 11.3 29.6 10.6 1.7 5.4 8.4 8.4	230 27 0 1072 162 169 13 81 246 29 0 0	2411.1 651.9 993.9 736.1 793.7 1304.8 1588.5 817.3 1260.1 1714.0 981.3	1983.7 877.1 708.8 959.5 697.9 1305.1 1412.3 562.9 1102.4 1688.7 999.1	122 74 140 77 114 100 112 145 114 114 101	8 1 0 1 2 8 0 3 4
Mpilipili (Makanjila) Makhanga Met Makoka Met Makochi Met. Masambanjati Agric Mimosa Met. Monkey Bay Met. Mpemba Vet Mulanje Boma Mwarza Boma Namiasi Agric Namiasi Agric Naminjiwa Agric Naminjiwa Agric Naminjiwa Agric Naminjiwa Agric Naminjiwa Agric Nasanje Boma Neno Agric Ngabu Met. Nsanje Boma Ntaja Met. Phalula Agric Satemwa Tea Est. No.1 Thyolo Boma Thyolo Boma Thyolo Met Zomba RTC CENTRAL REGION Bunda College Chitedze Met. Dedza Met	$\begin{array}{c} 1.3 \\ 0.0 \\ 0.0 \\ 53.6 \\ 45.9 \\ 62.4 \\ 0.2 \\ 9.1 \\ 72.7 \\ 3.1 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 5.0 \\ 0.0 \\ 4.2 \\ 4.5 \end{array}$	$\begin{array}{c} 4.8\\ 5.9\\ 10.4\\ 5.0\\ 28.4\\ 36.9\\ 1.5\\ 11.3\\ 29.6\\ 10.6\\ 1.7\\ 5.4\\ 8.4\\ 8.6\end{array}$	27 0 0 1072 162 169 13 81 246 29 0 0	651.9 993.9 736.1 793.7 1304.8 1588.5 817.3 1260.1 1714.0 981.3	877.1 708.8 959.5 697.9 1305.1 1412.3 562.9 1102.4 1688.7 999.1	74 140 77 114 100 112 145 114 114 101	1 0 1 2 8 0 3 4
Makhanga Met Makoka Met Mangochi Met. Masambanjati Agric Mimosa Met. Monkey Bay Met. Mpemba Vet Mulanje Borna Mwanza Boma Naminjiwa Agric Naminjiwa Agric Naminjiwa Agric Namaye Borna Namingi Met. Namaye Agric Namwera Agric Namwera Agric Nyabu Met. Nsanje Borna Nitaja Met. Phalula Agric Satemwa Tea Est. No.1 Thyolo Borna Thyolo Borna Thyolo Met Zomba RTC CENTRAL REGION Bunda College Chitedze Met. Dedza Met	0.0 0.0 53.6 45.9 62.4 0.2 9.1 72.7 3.1 0.0 0.0 0.0 0.0 5.0 0.0 4.2 4.5	5.9 10.4 5.0 28.4 36.9 1.5 11.3 29.6 10.6 1.7 5.4 8.4 8.6	0 0 1072 162 169 13 81 246 29 0 0	993.9 736.1 793.7 1304.8 1588.5 817.3 1260.1 1714.0 981.3	708.8 959.5 697.9 1305.1 1412.3 562.9 1102.4 1688.7 999.1	140 77 114 100 112 145 114 114 101	0 0 1 2 8 0 3 4
Makoka Met Mangochi Met. Masambanjati Agric Mimosa Met. Monkey Bay Met. Mpemba Vet Mulanje Boma Namiasi Agric Naminjiwa Agric Namingi Magric Namingi Magric Namingi Magric Namwera Agric Namwera Agric Nagabu Met. Nsanje Boma Ntaja Met. Phalula Agric Satemwa Tea Est. No.1 Thyolo Boma Thyolo Met Zomba RTC CENTRAL REGION Bunda College Chitedze Met. Dedza Met	0.0 53.6 45.9 62.4 0.2 9.1 72.7 3.1 0.0 0.0 0.0 5.0 0.0 4.2 4.5	10.4 5.0 28.4 36.9 1.5 11.3 29.6 10.6 1.7 5.4 8.4 8.6	0 1072 162 13 81 246 29 0 0	736.1 793.7 1304.8 1588.5 817.3 1260.1 1714.0 981.3	959.5 697.9 1305.1 1412.3 562.9 1102.4 1688.7 999.1	77 114 100 112 145 114 101	0 1 2 8 0 3 4
Mangochi Met. Masambanjati Agric Mimosa Met. Monkey Bay Met. Mpemba Vet Mulanje Borna Mwanza Borna Namiasi Agric Namiasi Agric Namiasi Agric Namiasi Agric Namwera Agric Neno Agric Neno Agric Nagabu Met. Phalula Agric Saternwa Tea Est. No.1 Thyolo Borna Thyolo Borna Thyolo Met Zomba RTC CENTRAL REGION Bunda College Chitedze Met. Dedza Met	53.6 45.9 62.4 0.2 9.1 72.7 3.1 0.0 0.0 0.0 5.0 5.0 4.2 4.5	5.0 28.4 36.9 1.5 11.3 29.6 10.6 1.7 5.4 8.4 8.4	1072 162 169 13 81 246 29 0 0	793.7 1304.8 1588.5 817.3 1260.1 1714.0 981.3	697.9 1305.1 1412.3 562.9 1102.4 1688.7 999.1	114 100 112 145 114 101	1 2 8 0 3 4
Masambanjati Agric Mimosa Met. Monkey Bay Met. Mpemba Vet Mulanje Boma Mwanza Boma Namiaji Agric Namiaji Agric Naminjiwa Agric Naminjiwa Agric Naminjiwa Agric Naminjiwa Agric Namo Agric Neno Agric Ngabu Met. Nsanje Boma Ntaja Met. Phalula Agric Satemwa Tea Est. No.1 Thyolo Boma Thyolo Boma Thyolo Met Zomba RTC CENTRAL REGION Bunda College Chitedze Met. Dedza Met	62.4 0.2 9.1 72.7 3.1 0.0 0.0 0.0 5.0 0.0 4.2 4.5	36.9 1.5 11.3 29.6 10.6 1.7 5.4 8.4 8.4 8.6	169 13 81 246 29 0 0	1588.5 817.3 1260.1 1714.0 981.3	1412.3 562.9 1102.4 1688.7 999.1	112 145 114 101	8 0 3 4
Monkey Bay Met. Mpemba Vet Mulanje Boma Mwanza Boma Namiasi Agric Naminjiwa Agric Naminjiwa Agric Naminjiwa Agric Naminjiwa Agric Naminjiwa Agric Naminjiwa Agric Neno Agric Neno Agric Nanje Boma Ntaja Met. Phalula Agric Saternwa Tea Est. No.1 Thyolo Boma Thyolo Boma Zomba RTC Zomba RTC CENTRAL REGION Bunda College Chileka Namitete Chilekae Met. Dedza Met	0.2 9.1 72.7 3.1 0.0 0.0 5.0 5.0 0.0 4.2 4.5	$ \begin{array}{r} 1.5\\ 11.3\\ 29.6\\ 10.6\\ 1.7\\ 5.4\\ 8.4\\ 8.6\\ \end{array} $	13 81 246 29 0 0	817.3 1260.1 1714.0 981.3	562.9 1102.4 1688.7 999.1	145 114 101	0 3 4
Mpemba Vet Mulanje Boma Mwanza Boma Namiasi Agric Namiasi Agric Namiasi Agric Namwera Agric Neno Agric Neno Agric Napabu Met. Phalula Agric Phalula Agric Saternwa Tea Est. No.1 Thyolo Boma Thyolo Boma Zomba RTC Zomba RTC CENTRAL REGION Bunda College Chitedze Met. Dedza Met	9.1 72.7 3.1 0.0 0.0 5.0 5.0 0.0 4.2 4.5	11.3 29.6 10.6 1.7 5.4 8.4 8.6	81 246 29 0 0	1260.1 1714.0 981.3	1102.4 1688.7 999.1	114 101	3 4
Mulanje Boma Mwanza Boma Namiasi Agric Naminjiwa Agric Naminjiwa Agric Naminjiwa Agric Namo Agric Neno Agric Nyabu Met. Nsanje Boma Ntaja Met. Phalula Agric Satemwa Tea Est. No.1 Thyolo Boma Thyolo Met Zomba RTC CENTRAL REGION Bunda College Chitedze Met. Dedza Met	72.7 3.1 0.0 0.0 5.0 0.0 4.2 4.5	29.6 10.6 1.7 5.4 8.4 8.6	246 29 0 0	1714.0 981.3	1688.7 999.1	101	4
Mwanza Boma Namiasi Agric Naminjiwa Agric Namwera Agric Nchalo Sucoma Neno Agric Ngabu Met. Nsanje Boma Ntaja Met. Phalula Agric Satemwa Tea Est. No.1 Thyolo Boma Thyolo Met Zomba RTC CENTRAL REGION Bunda College Chitedze Met. Dedza Met	3.1 0.0 0.0 5.0 0.0 4.2 4.5	10.6 1.7 5.4 8.4 8.6	29 0 0	981.3	999.1		
Namiasi Agric Naminjiwa Agric Namwera Agric Nchalo Sucoma Neno Agric Ngabu Met. Nanje Boma Ntaja Met. Phalula Agric Satemwa Tea Est. No.1 Thyolo Boma Thyolo Met Zomba RTC CENTRAL REGION Bunda College Chileka Namitete Chitedze Met. Dedza Met	0.0 0.0 5.0 0.0 4.2 4.5	1.7 5.4 8.4 8.6	0 0			98	
Naminjiwa Agric Namwera Agric Nchalo Sucoma Neno Agric Nagabu Met. Naja Boma Nitaja Met. Phalula Agric Saternwa Tea Est. No.1 Thyolo Boma Thyolo Boma Thyolo Boma Zomba RTC CENTRAL REGION Bunda College Chitedze Met. Dedza Met	0.0 0.0 5.0 0.0 4.2 4.5	5.4 8.4 8.6	0	657.1			1
Namwera Agric Nchalo Sucoma Neno Agric Ngabu Met. Nsanje Boma Ntaja Met. Phalula Agric Satemwa Tea Est. No.1 Thyolo Boma Thyolo Met Zomba RTC CENTRAL REGION Bunda College Chitedze Met. Dedza Met	0.0 5.0 0.0 4.2 4.5	8.4 8.6			742.5	88	0
Nchalo Sucoma Neno Agric Ngabu Met. Nsanje Boma Nitaja Met. Phalula Agric Satemwa Tea Est. No.1 Thyolo Boma Thyolo Met Zomba RTC CENTRAL REGION Bunda College Chitedze Met. Dedza Met	5.0 0.0 4.2 4.5	8.6		1013.8 959.5	943.7 1035.5	107 93	0
Neno Agric Ngabu Met. Nsanje Boma Nitaja Met. Phalula Agric Saternwa Tea Est. No.1 Thyolo Boma Thyolo Boma Zomba RTC CENTRAL REGION Bunda College Chitedze Met. Dedza Met	0.0 4.2 4.5		58	632.9	1035.5 643.1	93	2
Ngabu Met. Nsaje Boma Nitaja Met. Phalula Agric Saternwa Tea Est. No.1 Thyolo Boma Thyolo Boma Zomba RTC Zomba RTC Dunda College Chitedze Met. Dedza Met	4.2 4.5	14.5	0	1250.0	1083.1	115	0
Nsanje Boma Ntaja Met. Phalula Agric Satemwa Tea Est. No.1 Thyolo Boma Thyolo Met Zomba RTC CENTRAL REGION Bunda College Chitedze Met. Dedza Met	4.5	11.6	36	744.0	747.9	99	1
Ntaja Met. Phalula Agric Satemwa Tea Est. No.1 Thyolo Boma Thyolo Met Zomba RTC CENTRAL REGION Bunda College Chileka Namitete Chitedze Met. Dedza Met		18.3	25	1010.2	1066.7	95	1
Saternwa Tea Est. No.1 Thyolo Boma Thyolo Met Zomba RTC CENTRAL REGION Bunda College Chileka Namitete Chitedze Met. Dedza Met		15.1	3	867.5	887.5	98	1
Thyolo Boma Thyolo Met Zomba RTC CENTRAL REGION Bunda College Chileda Namitete Chitedze Met. Dedza Met	0.0	3.5	0	757.2	815.3	93	0
Thyolo Met Zomba RTC CENTRAL REGION Bunda College Chileka Namitete Chitedze Met. Dedza Met	23.0	17.9	128	776.1	1067.2	73	6
Zomba RTC CENTRAL REGION Bunda College Chileka Namitete Chitedze Met. Dedza Met	52.4	24.7	212	1203.0	1148.4	105	6
CENTRAL REGION Bunda College Chileka Namitete Chitedze Met. Dedza Met	34.1	16.5	207	1184.6	1173.9	101	5
Bunda College Chileka Namitete Chitedze Met. Dedza Met	2.8	13.6	21	1230.8	1187.1	104	2
Chileka Namitete Chitedze Met. Dedza Met	0.0	0.0		020.0	004 5		0
Chitedze Met. Dedza Met	0.0	9.8 13.9	0 18	920.6 837.5	881.5 921.2	104 91	0
Dedza Met	0.3	6.5	5	879.9	874.5	101	1
	0.5	8.6	1	795.3	923.7	86	0
Dowa Agric	0.0	2.8	0	655.0	872.3	75	0
Dwangwa Sugar Corp.	0.0	33.3	0	1054.9	1320.4	80	0
Dzonzi Forest	0.0	5.4	0	1242.3	978.8	127	0
Kaluluma DTC	0.0	3.7	0	673.1	809.8	83	0
K.I.A Met	0.0	6.1	0	953.8	838.1	114	0
Kasiya Agric	117.0	12.6	929	982.6	948.1	104	2
Kasungu Met	0.0	4.0	0	599.1	770.4	78	0
Lifuwu	1.2	11.7	10	794.4	1228.3	65	1
Lisasadzi	0.0	6.4	0	552.3	811.9	68 87	0
Malomo Agric	0.0	14.9	0	719.2	825.8	87	0
Madisi Agric Mchinji Boma	0.0	3.6 10.2	0	724.2 681.6	827.9 1003.4	68	0
Mkanda Met	0.0	7.1	0	679.5	863.8	79	0
Mlangeni Njolomole	2.4	4.7	51	790.1	958.2	82	1
Mponela Agric	0.0	2.6	0	681.0	786.9	87	0
Mtakataka Airwing	0.0	2.4	0	591.4	806.3	73	0
Nathenje Agric	9.0	13.2	68	1014.5	865.0	117	1
Natural Res. College	3.4	11.5	30	818.5	848.8	96	2
Nkhotakota Met	1.8	34.5	5	1295.1	1432.3	90	2
Ntcheu - Nkhande	2.9	7.2	40	1028.2	1035.0	99	2
Salima Met	0.0	9.2	0	693.6	1205.0	58 91	0
Dedza RTC NORTHERN REGION	0.0	5.1	U	888.3	979.0	91	U
Baka Res. Stn.	15.6	41.0	38	1034.2	1317.8	78	2
Bolero Met	8.4	41.0	200	738.5	629.1	117	2
Bwengu Agric.	21.4	7.4	289	762.9	758.8	101	2
Chikangawa forest	18.0	22.0	82	827.8	1090.5	76	2
Chitipa Met	0.0	4.2	0	830.2	940.0	88	0
Chintheche Agric	75.4	82.6	91	1481.0	1683.4	88	3
Emfeni Agric	0.0	4.4	0	645.1	806.0	80	0
Ekwendeni Agric.	0.0	9.4	0	702.8	807.2	87	0
Euthini Agric.	0.0	14.0	0	720.5	775.4	93	0
Karonga Met.	4.5	25.9	17	1084.8	980.8	111	4
Lupembe	0.0	12.7 7.3	0	862.2 798.5	822.6 801.2	105 100	0
Mbawa Res. Stn Mzimba Met	0.0	7.3 9.1	0	798.5 542.2	801.2	61	0
Mzimba Met Mzuzu Met.	44.6	43.6	102	1070.6	885.3	100	5
NkhataBay Met.	161.3	43.6	102	1070.8	1393.8	100	5
Rumphi Boma	23.0	8.3	277	679.1	728.3	93	2
Vinthukutu Agric	109.5	53.3	205	1528.3	1120.5	136	5
Zombwe Agric	6.0	8.5	71	765.0	744.4	103	1

TABLE 2: AGROMETEOROLOGICAL PARAMETERS FOR THE PERIOD 21 TO 30 APRIL 2013

STATION	MAX TEMP (°C)	MIN TEMP (°C)	ABS MAX (ºC)	ABS MIN (°C)	WIND SPEED (m/s)	RH (%)	EVAP (mm)
		ĸ	ARONGA AD	D			
Chitipa	28.7	18.8	28.0	15.0	5.0	78	N/A
Karonga	30.0	20.4	32.2	18.7	1.5	70	N/A
			MZUZU ADI)			
Bolero	26.8	15.4	29.5	13.0	N/A	69	N/A
Mzuzu	23.7	14.7	26.7	13.1	1.6	83	N/A
Mzimba	27.5	15.7	30.0	13.9	2.0	64	N/A
Nkhata Bay	28.8	18.7	32.5	17.2	0.9	80	N/A
		I	1			1	
Kasungu	29.3	13.9	32.1	9.9	1.2	64	N/A
		LI	LONGWE A	DD		1	
KIA	25.7	13.8	28.2	11.5	1.7	68	5.8
Chitedze	26.3	13.9	29.4	10.7	0.9	63	N/A
Dedza	22.2	12.7	25.4	9.7	2.0	72	N/A
			SALIMA ADI)		_	
Salima	29.5	21.4	32.3	20.4	3.4	63	N/A
Nkhotakota	28.0	20.4	30.1	18.7	2.8	64	N/A
		M	ACHINGA A	DD		_	
Makoka	26.0	15.7	29.7	13.2	1.7	70	N/A
Ntaja	27.4	18.2	31.2	15.5	2.0	63	N/A
Mangochi	29.4	19.2	33.5	17.0	1.8	70	N/A
Monkey Bay	29.7	20.7	32.4	18.2	2.5	61	N/A
		В	LANTYRE AD	DD			
Chileka	26.7	17.7	31.9	15.0	3.4	66	N/A
Chichiri	23.5	15.5	30.0	12.5	2.0	60	N/A
Bvumbwe	23.8	14.0	30.9	11.1	2.3	82	N/A
Mimosa	28.3	17.0	33.0	13.6	1.1	82	3.8
		SHI	RE VALLEY A	ADD		1	
Ngabu	31.1	N/A	33.8	N/A	1.2	67	N/A

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 bserved for a given number of days (calendar month) of a specified period of months (years).
- convert Meters Per Second (mps) to Kilometers per hour (Km/hr) = mpsx3.6