



Issue No: 76
June: 2011

The Afghanistan Agrometeorological Monthly Bulletin

Topics Crop Information Precipitation Temperature NDVI



Adverse Factor 1 Crop Condition 2 Crop Stage 3



The Agromet Project of USGS, is working together with the Ministry of Agriculture, Irrigation and Livestock (MAIL) and the Afghan Meteorological Authority (AMA) of Ministry of Transport (MoT)

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Data Source:

Ministry of Agriculture , Irrigation and Livestock (MAIL), Agromet Project , Afghan Meteorological Authority (AMA), United States Geological Survey (USGS), Food and Agriculture Organization of United Nation (FAO)

Summary

Typically the Indian monsoon affects some parts of the country in this time of the year particularly the Eastern, Southeastern, Capital and the Northeastern regions. However rainfall was light during June 2, but during the coming month the rainfall is expected to increase. Comparison of rainfall data for the month of June 2011 with the same month in 2010 shows significant decrease of rainfall.

During the month of June 2011, normally temperatures is going to be increased during this month, the Southern and Southwestern parts of the country experienced positive departure of temperature; however the Maximum temperature has been recorded in the Eastern region, but the Southwestern and Southern regions also experienced high temperature during June 2011.

Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Winter Wheat		
				Crop Stage	Crop Condition	Adverse Factor
Central	Kabul	Shakardara	Karizmir	Maturity	Normal	Poor Rainfall
		Paghman	Paghman	Grain Filling	Normal	Not Existed
		Kabul	Darulaman	Maturity	Normal	Poor Rainfall
		Surubi	Surubi	Harvested		
	Panjsher	Dara	Dara	Grain Filling	Normal	Poor Rainfall
		Dashtak	Dashtak	Harvesting		
	Parwan	Syagerd	Gor band	Maturity	Normal	Pest and Diseases
		Charikar	Charikar	Harvesting		
	Kapisa	Mahmoodraqi	Mahmoodraqi			
		Kohistan	Kohistan			
	Wardak	Chake	Chake	Flowering	Normal	Not Existed
		Jaghatoo	Jaghatoo	Maturity	Normal	Poor Rainfall
	Bamyan	Bamyan	Bamyan	Grain Filling	Poor	Shortage of Inputs
		Yakawlang	Yakawlang	Flowering	Normal	Poor Rainfall
		Panjab	Panjab	Grain Filling	Poor	Pest and Diseases
		Shebar	Shebar	Flowering	Normal	Not Existed
	Ghazni	Muqur	Muqur	Maturity	Poor	Poor Rainfall
		Andar	Bande Sardi	Maturity	Poor	Poor Rainfall
East	Nangarhar	Agam	Agam	Harvested		
		Batikot	Ghaziabad			
		Jalalabad	Farm jaded			
		Behsood	Behsood			

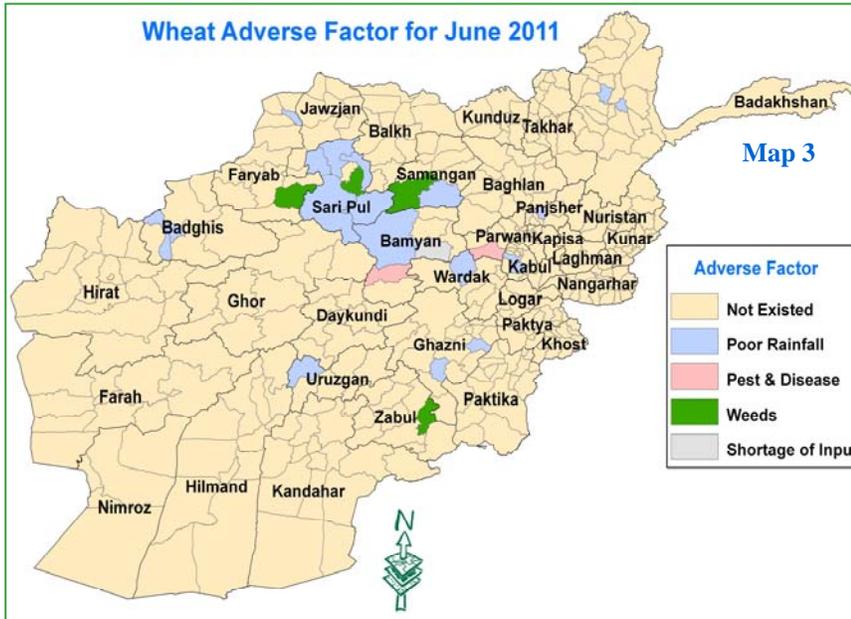
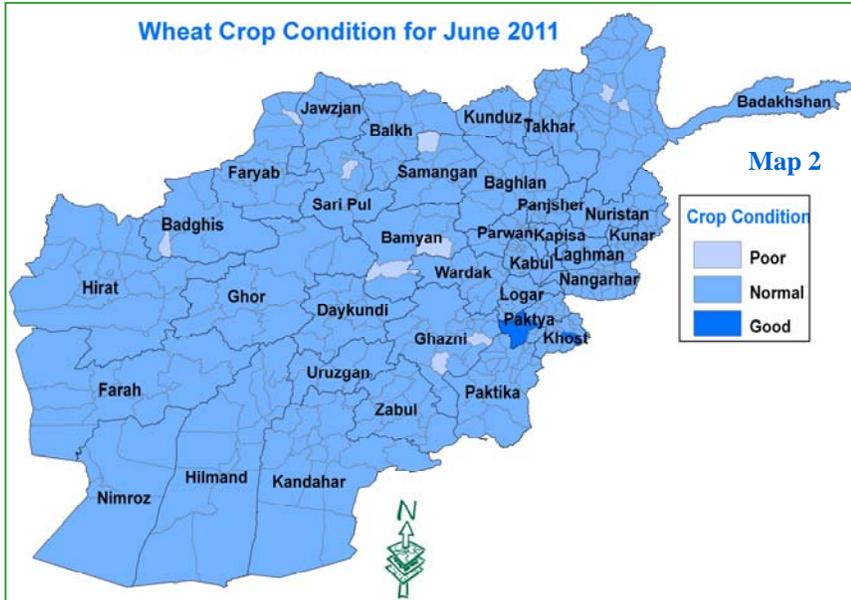
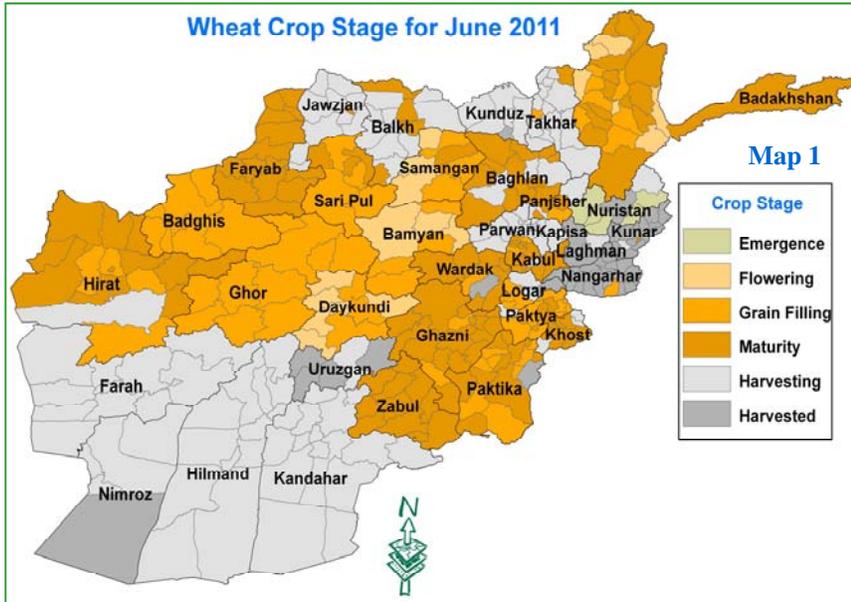
Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Winter Wheat		
				Crop Stage	Crop Condition	Adverse Factor
East	Kunar	Asmar	Asmar	Harvesting		
		Asad Abad	Asad Abad	Harvested		
	Laghman	Mihtarlam	Mihtarlam			
		Qarghay	Qarghay			
	Noristan	Paroon	Paroon			
		Do Ab	Do Ab	Emergence	Normal	Not Existed
		Norgaram	Norgaram	Harvested		
		Waigal	Waigal			
		Wama	Wama	Emergence	Normal	Not Existed
	North East	Takhar	Bangi	Bangi	Maturity	Normal
Taluqan			Taluqan	Harvesting		
Kunduz		Imam Sahib	Imam Sahib			
		Qaliazal	Aqtipa			
		Khan Abad	Khan Abad			
		Kunduz	Kunduz			
		Archi	Archi			
Ali Abad		Ali Abad				
Baghlan		Pulikhomri	Pozaishan	Maturity	Normal	Not Existed
		Doshy	Doshy	Harvesting		
Badakhshan		Argo	Argo	Grain Filling	Normal	Not Existed
		Baharak	Baharak	Maturity	Poor	Poor Rainfall
		Ashkashm	Ashkashm	Flowering	Normal	Not Existed
		Khash	Kash	Flowering	Normal	Not Existed
		Faiz Abad	Faiz Abad	Maturity	Poor	Poor Rainfall
South East	Khost	Khost	Khost	Maturity	Good	Not Existed
		Khost	Shimal	Harvesting		
		Ali Sher	Ali Sher			
	Paktia	Zormat	Rohani Baba	Maturity	Good	Not Existed
		Gardiz	Tera	Grain Filling	Good	Not Existed
	Paktika	Urgon	Urgon	Grain Filling	Normal	Not Existed
		Sharana	Sharana	Maturity	Normal	Not Existed
		Khair kot	Khair kot	Maturity	Normal	Not Existed

Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Winter Wheat		
				Crop Stage	Crop Condition	Adverse Factor
South	Nimroz	Zaranj	Zaranj	Harvesting		
	Kandahar	Kandahar	Kandahar			
	Zabul	Qalat	Qalat	Maturity	Normal	Weeds
	Urozgan	Tirin Kot	Tirin Kot	Harvested		
	Hilmand	Nad Ali	Nad Ali	Harvesting		
		Greshk	Greshk			
		Nawa	Nawa			
Lashkargah		Bolan				
North	Balkh	Takhta pol	Dihdadi	Harvesting		
		Nahrishahi	Nahrishahi			
	Jawzjan	Sheberghan	Sheberghan	Harvesting		
		Darzab	Darzab	Grain Filling	Normal	Not Existed
	Saripul	Saripul	Saripul	Maturity	Normal	Weeds
		Sozmaqala	Sozmaqala	Grain Filling	Poor	Poor Rainfall
	Faryab	Maimana	Maimana	Maturity	Normal	Not Existed
		Andkhoy	Andkhoy	Maturity	Poor	Poor Rainfall
		Garzeewan	Garzeewan	Maturity	Poor	Weeds
	Samangan	Aibak	Aibak	Flowering	Normal	Not Existed
		Dara Souf	Dara Souf	Flowering	Normal	Not Existed
		Sar bagh	Sarbagh	Grain Filling	Poor	Weeds
	North West	Badghis	Qalainow	Qalainow	Grain Filling	Poor
Muqur			Muqur	Grain Filling	Normal	Poor Rainfall
Ghor		Chaghcharan	Chaghcharan	Grain Filling	Normal	Not Existed
Hirat		Shindand	Shindand	Grain Filling	Normal	Not Existed
		Zindajan	Zindajan	Maturity	Normal	Not Existed
		Gwazara	Falahat	Maturity	Normal	Not Existed
		Hirat	Farm Urdokhan	Grain Filling	Normal	Not Existed
Farah		Farah	Farah	Harvesting		

Wheat Crop Stage, Condition and Adverse Factor Maps



Precipitation

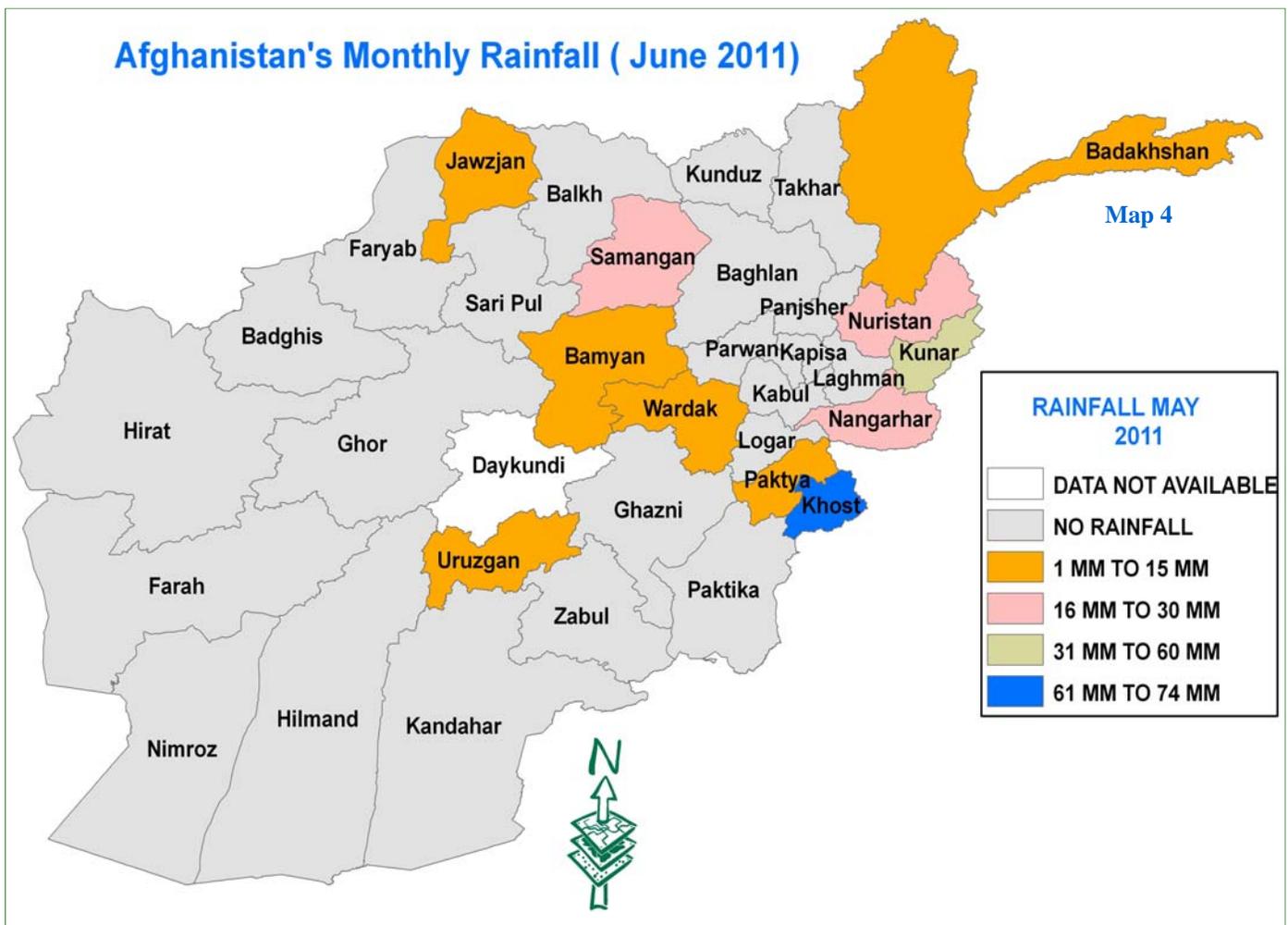
Typically the Indian monsoon affects some parts of the country in this time of the year particularly the Eastern, Southeastern, Capital and the Northeastern regions. However rainfall was light during June 2, but during the coming month the rainfall is expected to increase.

Comparison of rainfall data for the month of June 2011 with the same month in 2010 (chart 1) shows significant decrease of rainfall during the month of June 2011 over the same month of last year.

Comparison of rainfall data for the month of June 2011 with the same month of long term average (chart 1) shows an increase in rainfall during the

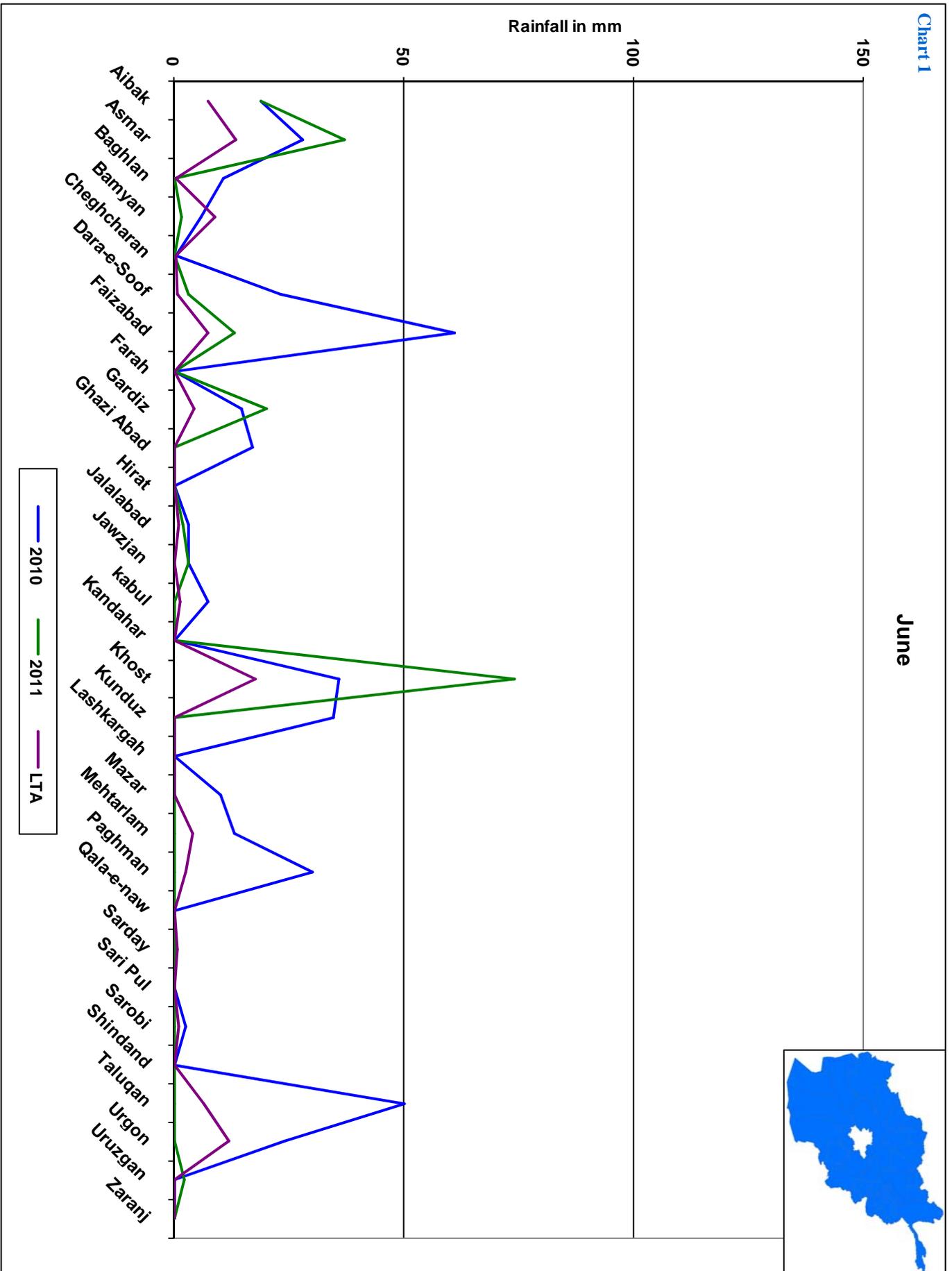
month of June 2011 over the same month of long term average.

Map (4) shows distribution of rainfall during the month of June 2011 around the country. As map (4) shows most amount of rainfall occurred in some parts of the Southeastern region during the month of June 2011. During the month of June 2011 the Eastern region received moderate rainfall, and the Northeastern and some parts in the Capital region experienced low amount of rainfall. In the remaining regions of the country seasonal dryness continued.

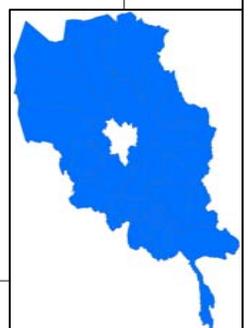


Rainfall Graphs for the Month of June 2011

Chart 1



June

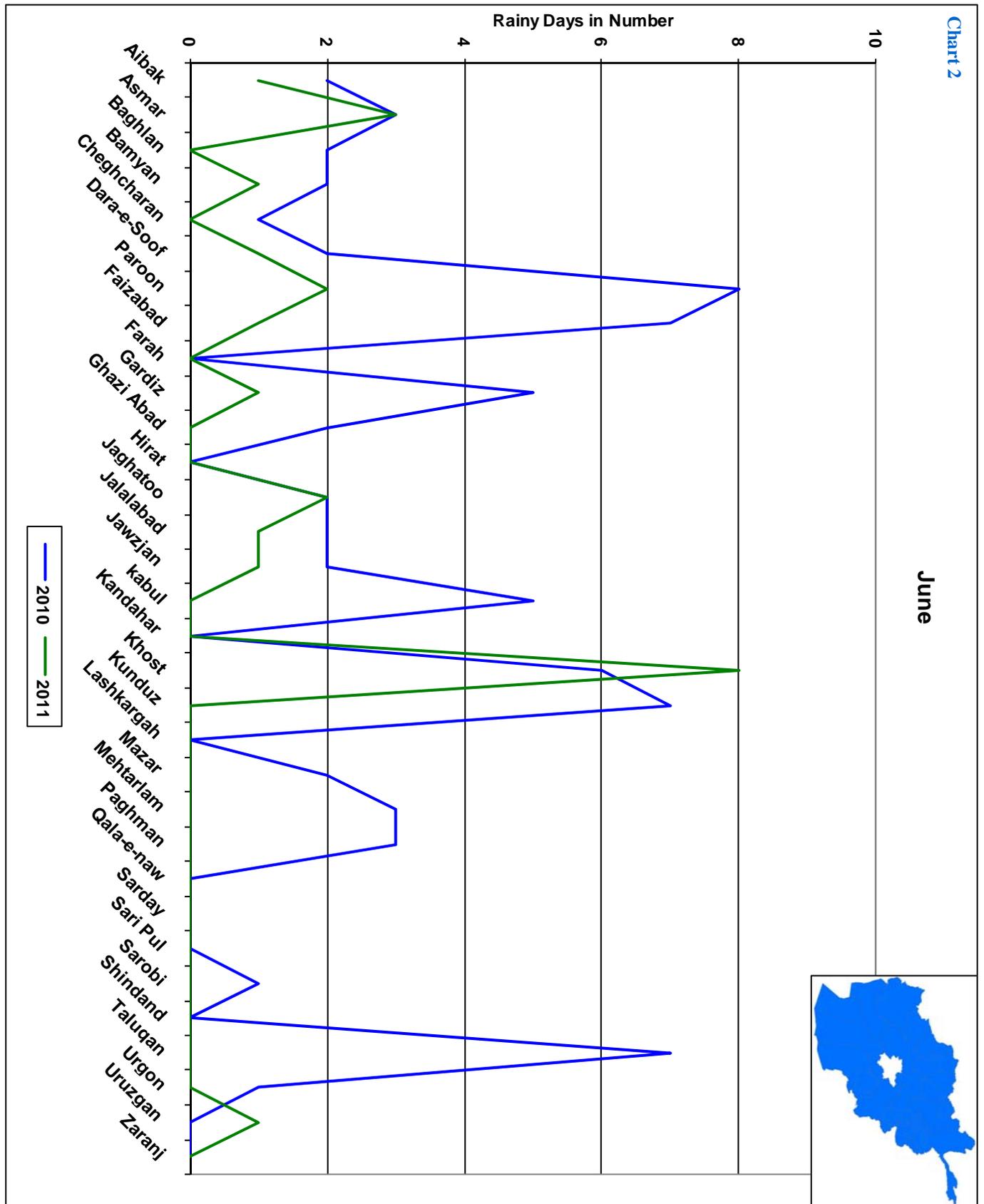


Rainfall for the Month of June 2011

Table 1

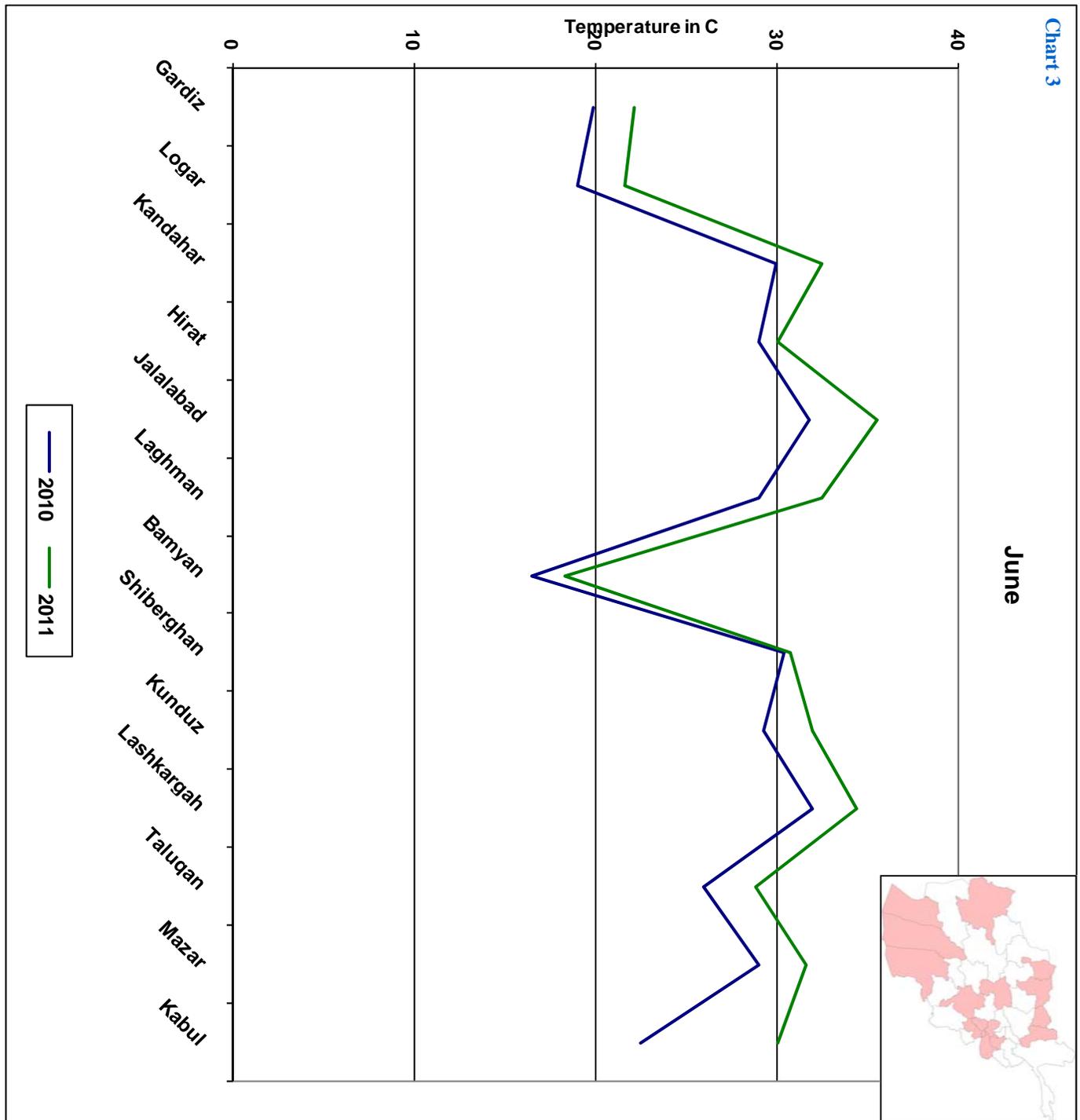
Stations	June		
	Rainfall in (mm)		
	2010	2011	LTA
Aibak	19	19	7.3
Asmar	28	37	13.5
Baghlan	10.6	0	0.3
Bamyan	6	1.5	8.8
Cheghcharan	0.5	0	0.4
Dara-e-Soof	23	3	0.7
Paroon	98	22	Data Not Available
Faizabad	61	13	7.3
Farah	0	0	0
Gardiz	14.7	20	4.3
Ghazi Abad	17	0	0
Ghazni Met	0.6	Data Not Available	2.2
Hirat	0	0	0
Jaghatoo	20	10	Data Not Available
Jalalabad	3	2	0.9
Jawzjan	3	3	0
kabul	7.5	0	1.2
Kandahar	0	0	0
Khost	36	74	17.7
Kunduz	34.8	0	0.2
Lashkargah	0	0	0
Logar	Data Not Available	0	1.7
Mazar	10	0	0
Mehtarlam	13	0	4
Paghman	30	0	2.4
Qala-e-naw	0	0	0
Sarday	0	0	0.7
Sari Pul	0	0	0
Sarobi	2.5	0	0.9
Shindand	0	0	0
Taluqan	50	0	6.5
Urgon	24	0	12
Uruzgan	0	2.3	0
Zaranj	0	0	0

Rainy Days for the Month of June 2011



Based on the recorded data of rainy days for the month of June 2011 and comparison with the same month of last year (chart 2) shows significant

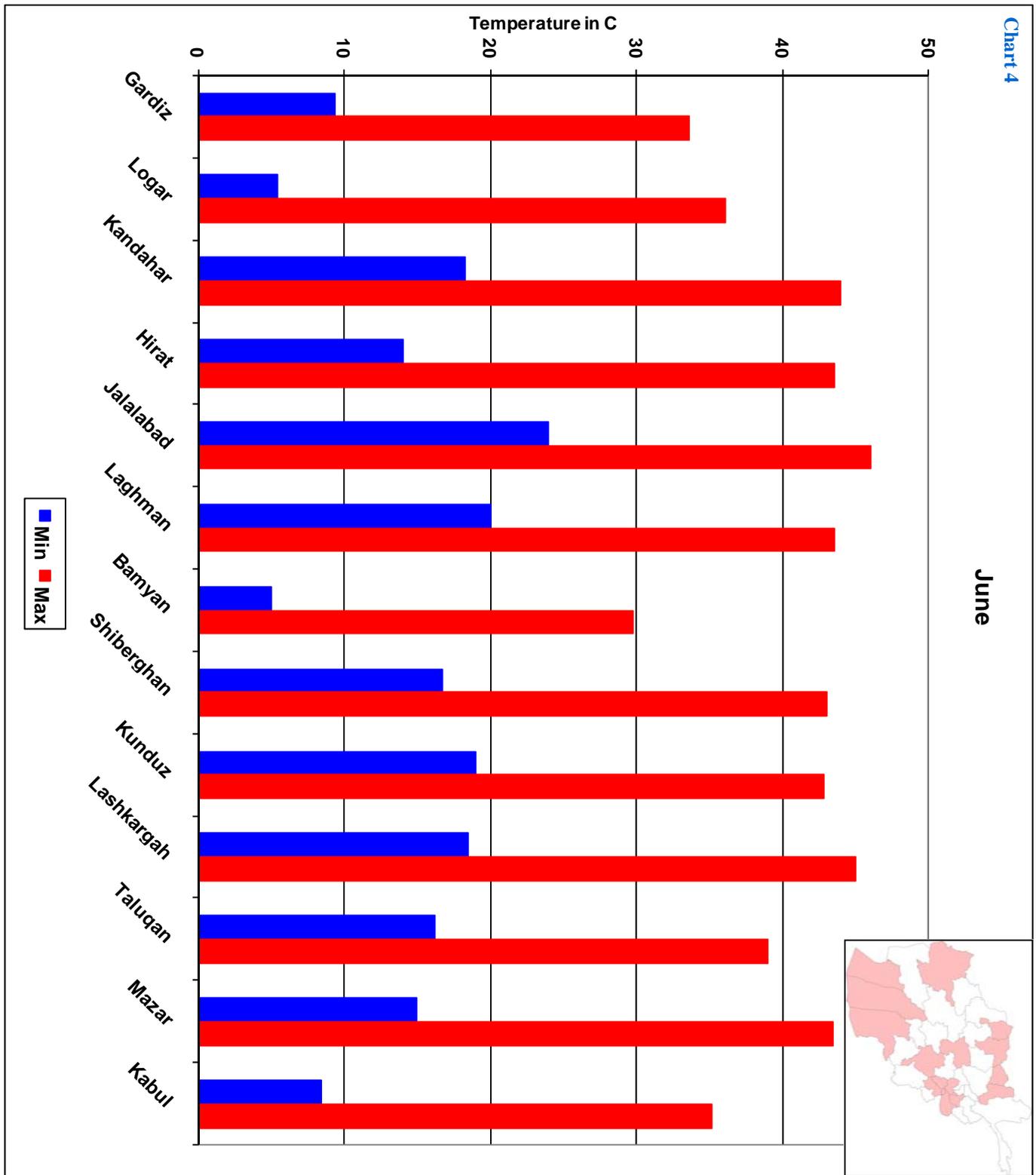
decrease of rainfall during the month of June 2011 over the same month of last year



During the month of June 2011 temperature was mostly higher than the same month of last year.

During the month of June 2011, normally temperatures is going to be increased during this month, the Southern and Southwestern parts of the country experienced positive departure of temperature; however the Maximum temperature has been recorded in the Eastern region, but the Southwestern and Southern regions also

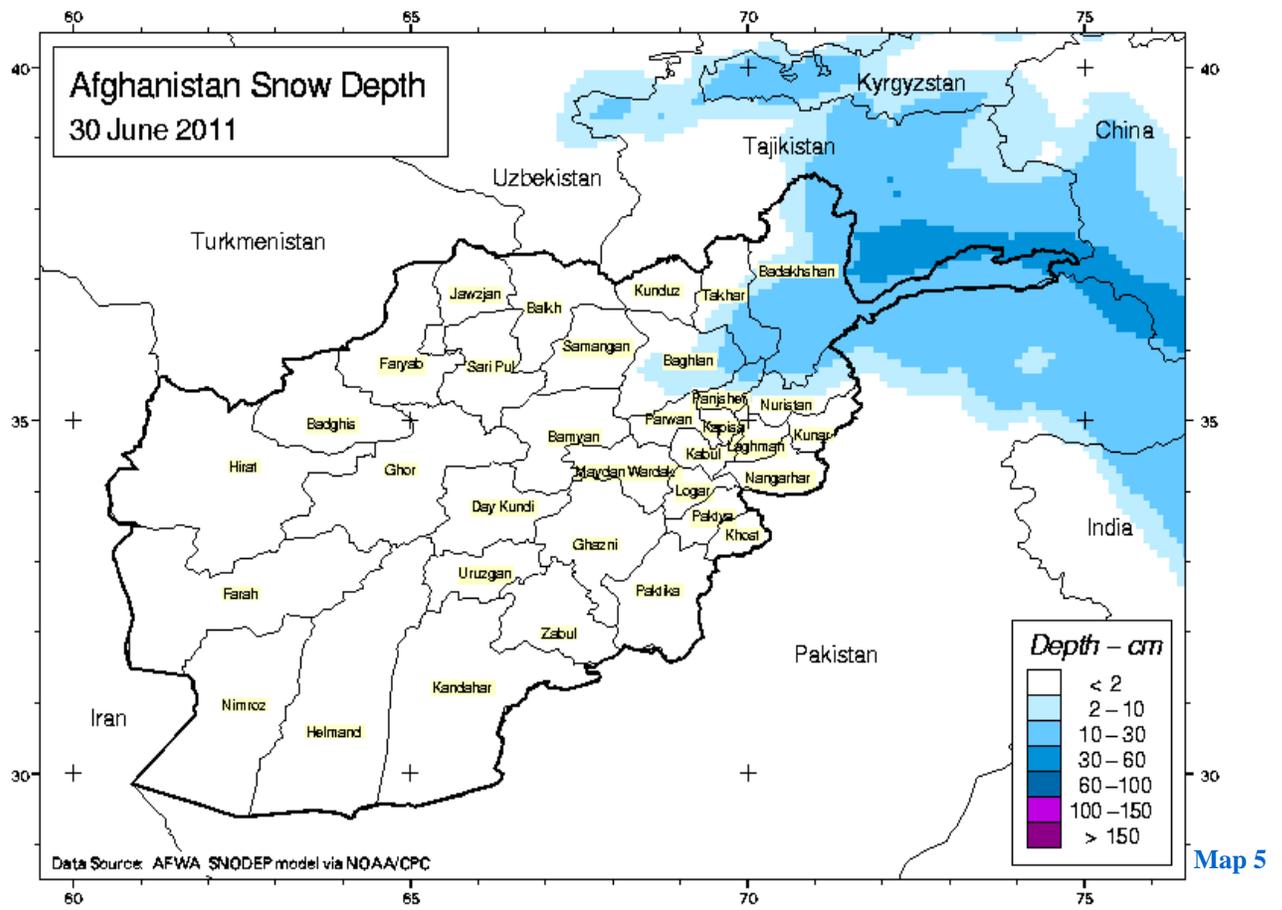
experienced high temperature during June 2011. Comparison of monthly average of temperature for the month of June 2011 with the same month in 2011 (Chart 3) shows small increase of temperature during the month of June 2011 over the same month of last year all over the country.



Jalalabad with 46 ° C was the warmest spot of the Country during the month of June 2011 .

Chart (4) shows maximum and minimum temperature for the month of June 2011. As chart (4) shows Jalalabad with 46 ° C was the warmest spot of the country and Bamyan with 5 ° C experienced low temperature than other regions.

Afghanistan Snow Depth for month of June 2011



However no snowfall is expected in this time of the year, The higher temperature than last year has badly affected the snow depth. Map (5) shows

the remained snow depth in the Northeastern region. As map (5) shows the snow depth has been recorded 10 to 30 cm in mentioned area.

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