

2. CLIMATE

2.1 Temperature at Selected Stations

(In centigrade)

Stations	Murree		Rawalpindi/Islamabad		Jhelum		Lahore		Sargodha	
Height in meters above sea level	2167		507		232		213		187	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.

Month:

Oct, 2015	19.7	10.1	32.9	18.3	31.9	18.0	32.0	20.2	32.3	20.6
Nov, 2015	15.3	6.4	23.6	8.7	25.8	11.5	26.6	13.5	26.1	12.9
Dec, 2015	12.5	1.2	19.8	3.8	21.9	6.1	21.4	7.0	22.3	8.1
Jan. 2016	11.4	1.1	17.7	3.7	18.4	6.1	17.6	8.1	18.2	7.7
Feb. 2016	N.R.	N.R.	22.0	5.9	24.6	8.0	23.6	9.9	24.2	9.6
Mar. 2016	14.5	6.1	24.1	11.4	26.9	14.3	28.0	15.9	26.8	15.2
Oct, 2016	21.3	11.6	32.4	15.0	34.0	18.4	33.8	20.5	34.3	20.8
Nov, 2016	17.8	8.0	25.9	7.7	28.0	10.6	27.7	13.0	27.6	13.2
Dec, 2016	17.2	5.5	23.6	3.9	23.6	6.3	23.1	9.3	24.2	9.5
Jan. 2017	--	--	--	--	--	--	--	--	--	--
Feb. 2017	12.3	2.4	21.8	7.2	24.5	8.9	24.5	11.6	24.1	8.7
Mar. 2017	14.1	4.6	25.0	9.5	28.5	12.4	28.4	15.7	27.6	13.5

Stations	Faisalabad		Multan		Bahawalpur		Hyderabad		Nawabshah	
Height in meters above sea level	183		122		116		40		37	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.

Month:

Oct, 2015	32.7	19.8	34.0	20.9	34.0	20.0	36.0	23.0	38.5	21.5
Nov, 2015	26.4	12.1	27.7	13.6	28.6	13.5	30.3	17.9	31.3	14.7
Dec, 2015	22.1	6.7	22.6	7.9	23.6	7.6	25.8	10.7	26.2	7.2
Jan. 2016	17.7	6.9	19.1	7.6	19.7	7.0	25.5	12.6	25.4	8.7
Feb. 2016	N.R.	N.R.	25.2	9.0	25.5	8.2	27.5	12.8	29.3	9.2
Mar. 2016	27.0	15.4	28.0	16.5	31.5	29.3	34.1	19.5	35.1	17.1
Oct, 2016	34.6	20.3	35.4	21.8	36.3	20.7	36.6	21.9	38.4	21.5
Nov, 2016	27.8	12.4	28.5	13.8	30.4	12.8	32.5	17.0	33.3	13.4
Dec, 2016	23.9	8.6	24.6	10.2	25.4	10.0	29.0	14.5	28.8	11.8
Jan. 2017	--	--	--	--	--	--	--	--	--	--
Feb. 2017	24.1	9.3	24.5	10.2	25.4	9.2	28.7	14.4	29.1	11.0
Mar. 2017	28.0	14.3	29.3	16.3	30.7	14.8	34.5	18.1	35.8	15.9

Contd.

2.1 Temperature at Selected Stations

(In centigrade)

Stations	Jacobabad		Karachi A.P.		Peshawar		D.I.Khan		Saidu Sharif		Gilgit	
Height in meters above sea level	55		21		359		173		961		1459	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.

Month:

Oct, 2015	32.5	20.4	35.8	24.9	31.1	17.8	33.2	17.1	27.6	13.2	25.3	7.7
Nov, 2015	28.4	13.6	33.0	18.6	23.8	11.2	27.4	10.0	18.8	7.3	16.3	2.7
Dec, 2015	23.8	7.5	28.5	12.6	19.6	6.3	22.7	4.6	15.9	3.0	12.1	-2.5
Jan. 2016	22.0	8.7	27.8	14.8	N.R	N.R	N.R	N.R	N.R	N.R	12.2	-2.6
Feb. 2016	26.7	9.8	30.3	14.9	N.R	N.R	N.R	N.R	N.R	N.R	16.5	-0.2
Mar. 2016	30.8	16.6	33.3	21.7	N.R	N.R	N.R	N.R	N.R	N.R	N.R	N.R
Oct, 2016	36.5	21.0	34.0	24.0	32.5	19.3	N.R	N.R	N.R	N.R	N.R	N.R
Nov, 2016	27.2	15.1	33.3	17.1	25.7	12.1	N.R	N.R	N.R	N.R	N.R	N.R
Dec, 2016	26.9	11.6	31.0	15.5	22.4	7.8	N.R	N.R	N.R	N.R	N.R	N.R
Jan. 2017	--	--	--	--	--	--	--	--	--	--	--	--
Feb. 2017	26.0	11.9	30.2	15.2	21.5	8.8	24.8	9.6	18.2	6.0	13.6	2.4
Mar. 2017	31.9	17.5	32.9	20.3	25.2	12.5	29.2	13.9	21.3	8.9	18.2	5.5

Stations	Quetta (Samungli)		Zhub (Fortsandeman)		Khuzdar		Punjur		Dalbadin	
Height in meters above sea level	1600		1405		1231		980		848	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.

Month:

Oct, 2015	27.8	9.4	29.1	12.2	30.1	18.1	32.4	15.4	35.5	10.5
Nov, 2015	18.6	3.9	21.0	6.8	25.5	10.7	25.0	9.1	26.0	2.9
Dec, 2015	14.5	-1.5	17.5	0.4	22.7	10.3	20.0	3.7	20.0	-2.0
Jan. 2016	15.0	0.6	16.9	-0.1	20.8	8.6	23.0	7.2	24.0	1.4
Feb. 2016	16.5	-0.5	19.1	1.0	22.4	6.8	23.2	5.4	24.7	2.1
Mar. 2016	20.0	7.5	20.0	8.0	N.R	N.R	27.1	11.3	29.0	8.6
Oct, 2016	N.R	N.R	N.R	N.R	N.R	N.R	N.R	N.R	N.R	N.R
Nov, 2016	N.R	N.R	N.R	N.R	N.R	N.R	N.R	N.R	N.R	N.R
Dec, 2016	N.R	N.R	N.R	N.R	N.R	N.R	N.R	N.R	N.R	N.R
Jan. 2017	--	--	--	--	--	--	--	--	--	--
Feb. 2017	13.9	2.8	16.3	2.6	20.6	4.0	20.6	5.5	21.1	5.5
Mar. 2017	19.5	5.7	22.1	7.6	26.6	11.5	28.5	12.5	28.7	10.3

Source: Pakistan Meteorological Department, Karachi.

2.2 Rainfall at Selected Stations

(In millimeters)

Stations	Murree	Rawalpindi/ Islamabad	Jhelum	Lahore	Sargodha	Faisal- abad	Multan	Bahawal- pur	Hyder- abad	Nawab- shah	Jaco- abad
Height in meters above sea level	2167	507	232	213	187	183	122	116	40	37	55

Year/month

2011	1442.2	1079.0	748.0	903.0	710.0	544.0	180.0	164.0	404.1	309.0	293.3
2012	1515.0	1076.0	717.0	527.0	368.0	366.0	239.0	183.0	121.0	182.0	486.0
2013	1451.5	1732.0	924.0	1109.0	362.0	378.0	157.0	148.0	74.0	86.0	345.0
2014	1228.6	1139.0	939.3	800.6	401.3	401.8	247.3	67.9	25.4	67.0	21.3
2015	2416.8	1477.0	848.0	856.0	588.0	512.0	395.0	498.0	114.0	120.0	148.0
Oct. 2015	243.3	46.7	72.1	3.8	40.0	14.4	11.7	2.0	T.R	0.0	0.0
Nov. 2015	107.3	18.5	10.6	0.4	3.3	0.0	0.1	0.0	0.0	0.0	T.R
Dec. 2015	42.2	25.8	31.0	6.0	T.R	2.0	T.R	0.0	0.0	0.0	0.0
Jan. 2016	46.0	54.4	22.3	28.3	8.0	11.8	2.9	0.0	0.0	0.0	0.0
Feb. 2016	N.R	83.6	33.0	2.8	6.0	N.R	2.0	4.0	0.0	0.0	0.0
Mar. 2016	235.3	286.1	N.R	141.8	145.9	67.8	67.0	46.9	T.R	2.0	46.0
Oct. 2016	28.0	9.0	5.3	0.6	0.0	24.0	T.R	0.0	0.0	0.0	0.0
Nov. 2016	0.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec. 2016	1.0	0.0	T.R	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jan. 2017	--	--	--	--	--	--	--	--	--	--	--
Feb. 2017	46.3	19.0	8.6	6.8	17.0	7.1	1.8	5.0	0.4	0.0	4.0
Mar. 2017	49.3	16.5	14.1	27.9	24.6	15.5	9.9	0.0	0.0	0.0	0.0

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2.2 Rainfall at Selected Stations

(In millimeters)

Stations	Karachi Airport	Peshawar	D.I. Khan	Saidu Sharif	Gilgit	Quetta (Samungli)	Zhob (Fort sandeman)	Khuzdar	Punjgoor	Dalbadin
Height in meters above sea level	21	359	173	961	1459	1600	1405	1231	980	848

Year/month

2011	290.6	568.0	281.0	853.7	158.7	246.5	40.5	286.6	138.0	64.9
2012	152.0	480.0	450.0	803.0	110.5	410.0	47.0	167.0	33.0	16.0
2013	169.0	551.0	327.0	954.3	153.5	53.0	66.0	479.0	101.0	23.0
2014	30.7	326.3	249.7	660.0	107.0	97.0	173.7	201.9	61.8	17.3
2015	53.0	1387.0	477.0	1062.2	144.0	153.0	364.0	147.0	61.0	47.0
Oct. 2015	0.0	55.0	78.0	83.0	6.8	3.0	5.0	13.4	0.0	7.0
Nov. 2015	0.0	55.0	1.0	78.9	12.8	20.2	9.0	0.0	0.0	TR
Dec. 2015	0.0	8.0	2.5	38.1	1.9	4.0	5.0	0.0	0.0	0.0
Jan. 2016	3.1	8.0	N.R	N.R	3.8	11.5	16.0	0.0	0.0	T.R
Feb. 2016	0.0	23.0	N.R	N.R	7.9	0.0	0.0	0.0	0.0	0.0
Mar. 2016	Tr.	120.0	N.R	N.R	N.R	80.0	71.0	0.0	31.0	40.5
Oct. 2016	0.0	1.0	N.R	N.R	N.R	N.R	N.R	N.R	N.R	N.R
Nov. 2016	0.0	0.0	N.R	N.R	N.R	N.R	N.R	N.R	N.R	N.R
Dec. 2016	0.0	T.R	N.R	N.R	N.R	N.R	N.R	N.R	N.R	N.R
Jan. 2017	--	--	--	--	--	--	--	--	--	--
Feb. 2017	0.0	60.0	8.0	106.6	13.4	26.0	21.0	12.0	1.0	0.0
Mar. 2017	0.0	24.2	6.0	68.6	5.0	48.3	20.0	15.0	0.0	0.0

N.R = Not received

TR = Trace (Rainfall less than 0.1 mm)

Source: Pakistan Meteorological Department, Karachi.