

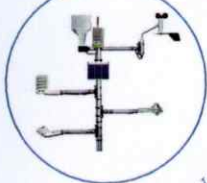


## Compendium of Meteorological Data 2012–2016

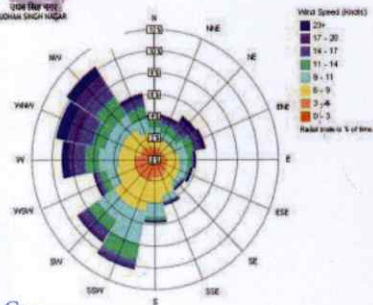
Field Station: Kosi-Katarmal, Almora, Uttarakhand, Indian Himalayan Region



Wind Speed



Wind Direction



Rain Gauge



Temperature & Humidity



**Authors:** Sandipan Mukherjee, Ranjan Joshi and Kireet Kumar  
**Design & Illustration:** Puneet Sirari

© G.B. Pant National Institute of Himalayan Environment and Sustainable Development, Kosi Katarmal, Almora, Uttarakhand, India

**Citation:** S Mukherjee, R Joshi & K Kumar (2018) Meteorological monograph: Compendium of meteorological data: 2012–2016 of Kosi-Katarmal, Almora, Uttarakhand field station: Part I, GBPNIHESD, 70 Pages, ISBN:

**Disclaimer:** The data quality assessment was made through several computer automated programmes and visual checks. However, further scientific usages of these data may need additional data quality checks. No part of this monograph may be reprinted or reproduced or utilized in any form or by any electronic, mechanical or other means without prior permission. Scientific and academic usages of data described in this monograph must be made with the citation as indicated above.

**Price:** INR 1000.0

**Acknowledgements:** Directors of GBPNIHESD, Kosi-Katarmal, Almora, India and CSIR-4PI (earlier CMMAC Bangalore, India) are acknowledged for collaboratively setting up the weather profiler at the GBPNIHESD, Kosi-Katarmal Campus. Thanks to Dr Rajesh Joshi, Sc-D, GBPNIHESD for compilation of the weather profiler data during 2012–2016. Thanks to Mr Manmohan Kanwal, Ms Priyanka Lohani and Mr Himanshu Joshi, research fellows of GBPNIHESD, for helping data collection.

ISBN: 978-93-5346-136-2

# Meteorological Monograph: Part I

## Compendium of Meteorological Data 2012–2016

of

Kosi-Katarmal, Almora, Uttarakhand Field Station



**G.B. Pant National Institute of Himalayan Environment & Sustainable Development**  
An Autonomous Institute of Ministry of Environment, Forests & Climate Change (MoEF&CC),  
Government of India, New Delhi, India  
Kosi-Katarmal, Almora 263 643, Uttarakhand  
Web: <http://gbpihed.gov.in> | Phone: +91-5962-241015



Table 2: January 2012

Date	AirTC1 Avg	AirTC1 Max	AirTC1 Min	AirTC2 Avg	AirTC2 Max	AirTC2 Min	AirTC3 Avg	AirTC3 Max	AirTC3 Min	RH1 Avg	RH2 Avg	RH3 Avg	Rainfall
	oC	oC	oC	oC	oC	oC	oC	oC	oC	%	%	%	mm
01/01/12	8.47	13.29	4.71	9.13	13.08	5.36	9.13	12.69	5.45	96.10	91.20	90.60	9.00
02/01/12	8.68	18.29	3.85	8.98	17.22	4.68	8.90	16.67	4.75	97.30	95.80	96.10	2.30
03/01/12	8.14	17.93	3.33	8.37	17.53	3.91	8.19	17.04	3.66	96.10	93.60	92.80	0.00
04/01/12	8.07	18.74	1.77	8.34	18.31	2.13	8.22	17.84	2.00	93.50	89.20	86.90	0.10
05/01/12	9.09	18.75	3.44	9.41	18.06	4.50	9.30	17.34	4.47	92.70	90.30	88.60	0.00
06/01/12	6.74	16.68	0.53	7.18	15.57	0.70	7.14	15.36	0.48	88.10	83.00	77.57	0.00
07/01/12	6.43	9.74	4.22	7.01	9.63	4.86	6.99	9.33	4.86	97.10	93.90	92.30	1.00
08/01/12	5.91	12.66	1.77	6.38	11.84	2.82	6.32	11.16	2.82	97.30	93.50	91.50	0.00
09/01/12	5.15	12.29	0.98	5.48	10.84	1.67	5.39	10.18	1.63	96.60	93.30	92.60	2.80
10/01/12	4.81	9.61	1.31	5.00	9.52	1.44	4.80	9.08	1.20	97.90	96.60	95.90	0.50
11/01/12	5.89	14.91	0.79	5.95	13.95	0.93	5.71	13.54	0.69	96.70	93.90	92.90	0.50
12/01/12	3.67	11.07	-1.26	3.98	9.85	-0.32	3.85	9.61	-0.01	98.60	95.90	94.40	0.00
13/01/12	4.47	16.61	-1.49	4.78	15.70	-1.24	4.65	15.25	-1.44	94.80	91.10	89.20	0.10
14/01/12	6.35	19.10	-3.35	6.79	18.69	-2.83	6.78	17.95	-2.91	86.00	80.20	76.79	0.00
15/01/12	8.01	18.06	-0.10	8.32	16.74	0.69	8.28	16.20	0.91	95.50	88.00	87.20	1.70
16/01/12	7.32	11.59	4.52	7.68	11.20	5.12	7.55	10.94	5.07	97.40	96.10	95.80	2.40
17/01/12	8.61	16.79	4.41	8.51	15.66	5.18	8.24	15.06	4.85	96.60	93.60	92.60	0.00
18/01/12	7.77	15.58	3.10	7.96	14.30	3.25	7.74	13.87	2.98	58.81	52.45	50.05	0.00
19/01/12	6.36	15.18	0.59	6.78	13.76	1.42	6.64	13.21	1.65	90.70	87.40	83.00	1.20
20/01/12	5.71	14.87	-0.18	6.14	13.76	0.20	6.10	13.13	0.11	96.50	91.60	89.10	0.00
21/01/12	5.37	16.83	-1.10	5.86	16.62	-0.96	5.83	16.24	-1.23	94.50	89.70	86.60	0.00
22/01/12	5.80	13.96	-1.13	6.45	14.14	-0.39	6.50	13.97	-0.18	79.05	72.93	71.03	0.10
23/01/12	8.51	19.87	-0.72	9.22	19.14	0.47	9.24	18.82	0.88	96.30	91.80	89.20	0.00
24/01/12	7.36	20.71	-0.74	7.92	20.18	-0.19	7.93	19.77	-0.40	81.80	76.44	72.90	0.00
25/01/12	9.44	19.81	-1.22	9.94	18.68	-0.61	9.95	18.09	-0.34	79.75	73.16	71.31	0.00
26/01/12	6.66	20.01	-1.77	7.61	18.84	-0.88	7.76	18.19	-0.72	90.30	77.66	72.52	0.30
27/01/12	9.39	19.79	-2.64	9.76	19.00	-1.85	9.68	18.35	-1.38	84.20	77.71	75.44	0.00
28/01/12	6.49	18.77	-2.27	6.91	17.39	-1.70	6.93	16.80	-1.41	93.70	90.40	88.80	0.00
29/01/12	5.99	18.83	-3.12	6.48	17.96	-2.75	6.48	17.44	-2.96	84.00	73.28	67.06	0.00
30/01/12	6.43	20.47	-3.86	7.10	19.40	-3.33	7.24	18.96	-2.63	83.30	77.58	74.52	0.00
31/01/12													

Table 3: February 2012

Date	AirTC1 Avg	AirTC1 Max	AirTC1 Min	AirTC2 Avg	AirTC2 Max	AirTC2 Min	AirTC3 Avg	AirTC3 Max	AirTC3 Min	RH1 Avg	RH2 Avg	RH3 Avg	Rainfall
	oC	oC	oC	oC	oC	oC	oC	oC	oC	%	%	%	mm
01/02/12	6.58	18.95	-2.99	7.08	18.11	-2.42	7.15	17.73	-1.85	92.90	90.70	89.50	0.00
02/02/12	6.64	18.68	-1.37	7.21	18.04	-1.04	7.23	17.44	-1.05	89.50	85.30	83.00	0.00
03/02/12	6.64	20.04	-1.57	7.43	19.50	-0.64	7.58	18.90	-0.34	84.20	73.95	68.70	0.00
04/02/12	9.90	21.43	0.79	10.43	21.09	1.52	10.47	20.34	1.81	68.64	63.76	62.41	0.00
05/02/12	13.10	22.39	5.54	13.50	21.28	6.13	13.42	20.88	6.23	69.76	65.64	63.42	0.00
06/02/12	10.44	17.56	3.53	11.07	16.95	5.17	11.16	16.60	5.67	94.40	89.50	86.50	0.80
07/02/12	10.07	23.06	0.32	10.56	22.90	0.55	10.54	22.17	0.37	89.00	88.30	88.90	0.00
08/02/12	11.37	21.14	1.59	11.71	20.30	1.72	11.61	19.90	1.54	66.05	55.07	49.50	0.00
09/02/12	7.12	13.77	-0.14	7.53	13.01	1.14	7.44	12.53	1.20	85.90	80.80	78.61	0.20
10/02/12	5.52	16.99	-3.45	5.88	16.18	-3.07	5.85	15.90	-2.60	88.80	86.40	84.10	0.00
11/02/12	7.07	20.17	-3.15	7.44	19.32	-2.35	7.43	18.65	-2.22	84.30	78.29	76.12	0.00
12/02/12	10.68	18.71	-1.84	10.89	17.85	-1.10	10.76	17.22	-0.96	79.65	70.38	68.50	0.00
13/02/12	9.99	19.78	2.46	10.50	19.12	3.44	10.42	18.54	3.41	81.90	78.77	78.18	0.00
14/02/12	9.80	17.09	3.72	10.37	15.99	4.41	10.42	15.52	4.44	84.30	80.00	75.99	0.00
15/02/12	8.52	16.16	2.54	9.23	16.10	3.23	9.33	15.71	3.38	89.50	86.00	82.80	0.00
16/02/12	7.64	18.88	1.47	8.21	18.04	2.20	8.25	17.30	2.36	96.60	92.60	90.40	1.10
17/02/12	8.97	18.23	2.61	9.27	17.15	3.13	9.20	16.41	3.10	70.43	64.08	62.39	0.10
18/02/12	10.34	21.24	-0.43	10.76	20.12	0.61	10.71	19.90	0.94	74.88	68.60	65.79	0.00
19/02/12	11.91	23.92	1.84	12.36	22.68	2.85	12.35	22.01	3.21	77.79	70.66	68.32	0.00
20/02/12	11.91	25.37	0.31	12.35	24.43	1.25	12.36	23.80	1.69	80.10	74.45	72.91	0.00
21/02/12	12.68	24.47	2.70	13.38	23.50	3.38	13.46	22.99	3.66	82.60	74.76	70.12	0.00
22/02/12	14.03	25.63	4.08	14.51	24.28	5.04	14.49	23.78	5.35	76.96	69.73	67.37	0.00
23/02/12	13.34	25.50	3.33	13.93	24.47	4.51	13.99	23.91	4.97	80.90	75.60	72.05	0.00
24/02/12	12.27	25.11	2.63	12.96	24.11	3.76	13.09	23.53	3.93	70.26	59.55	55.12	0.00
25/02/12	11.46	24.04	0.20	12.03	22.59	1.06	12.15	22.18	1.63	76.58	70.70	68.03	0.00
26/02/12	11.67	23.71	3.03	12.20	22.60	3.78	12.26	22.02	3.96	68.45	64.65	63.30	0.00
27/02/12	12.13	25.25	0.48	12.75	24.55	1.54	12.87	24.26	2.13	71.22	60.88	55.62	0.00
28/02/12	12.80	27.04	-0.03	13.44	26.45	0.60	13.60	25.91	1.54	68.62	59.92	55.80	0.00
29/02/12	11.65	22.81	2.38	12.19	21.62	3.14	12.29	21.06	3.34	74.75	68.69	65.49	0.00