

1 List of Meteorological Stations

Table 1. The list of meteorological stations used in the analysis.

Station Name	Latitude	Longitude	Altitude (<i>m</i>)
LVIV	49.8170	23.9500	323.0
PETROZAVODSK	61.8170	34.2670	110.0
HORINSK	52.1670	109.7830	666.0
LUKOJANOV	55.0330	44.5000	220.0
PREOBRAZHENIE	42.9000	133.9000	43.0
KALEVALA	65.2170	31.1670	120.0
EKIMCHAN	53.0670	132.9830	542.0
EKATERINO-NIKOLSKOE	47.7330	130.9670	73.0
NIZHNEANGARSK	55.7830	109.5500	487.0
NIZHNEUDINSK	54.8830	99.0330	411.0
BRATSK	56.2830	101.7500	416.0
KRASNODAR	45.0330	39.1500	34.0
KURSK	51.7670	36.1670	247.0
KANDALAKSA	67.1500	32.3500	25.0
KIRENSK	57.7670	108.0670	259.0
MOSKVA	55.8330	37.6170	156.0
ORENBURG	51.6830	55.1000	117.0
PULKOVO	59.8000	30.2630	6.0
PENZA	53.1170	45.0170	174.0
PJARNU	58.3670	24.5000	8.0
ISIT	60.8170	125.3170	118.0
KINGISEPP	59.3670	28.6000	19.0
KIROVOHRAD	48.5170	32.2000	171.0
HABAROVSK	48.5170	135.1670	76.0
KANGERLUSSUAQ (SDR.)	67.0170	-50.7000	53.0
KEFLAVIK NAS	63.9670	-22.6000	54.0
KOEBENHAVN/KASTRUP	55.6170	12.6500	5.0

Table 1. Continued.

Station Name	Latitude	Longitude	Altitude (<i>m</i>)
LAJES (ACORES)	38.7670	-27.1000	55.0
BOLSHERECHE	56.1000	74.6330	78.0
LANDSBERG	48.0670	10.9000	628.0
GORJACINSK	52.9830	108.2830	487.0
FREIBURG (CIV/FAFB)	48.0000	7.8500	269.0
LIUBASHIVKA	47.8500	30.2670	183.0
NIZHNYJ TAGIL	57.8830	60.0670	258.0
CERLAK	54.1670	74.8000	115.0
GELA	37.0830	14.2170	65.0
HANNOVER	52.4670	9.7000	55.0
ORDYNSKOE	54.3670	81.9500	134.0
GRIDINO	65.9000	34.7670	12.0
KANSK	56.2000	95.6330	207.0
ERMAKOVSKOE	53.3000	92.4170	298.0
KIRKENES	69.7330	29.9000	91.0
ISILKUL	54.9000	71.2500	128.0
PINEGA	64.7000	43.3830	31.0
MARIUPOL	47.0330	37.5000	70.0
HOEK VAN HOLLAND	51.9830	4.1000	14.0
MYRONIVKA	49.6670	31.0000	153.0
KRYVYI RIH	48.0330	33.2170	124.0
KYSTOVKA	56.6000	76.5670	116.0
HULARIN	51.4170	135.0830	269.0
DNIPROPETROVSK	48.6000	34.9670	143.0
BOLSHAJA MURTA	56.9000	93.1330	180.0
IGARKA	67.4330	86.6170	31.0
KUTAISI	42.2670	42.6330	116.0

Table 1. Continued.

Station Name	Latitude	Longitude	Altitude (<i>m</i>)
KUPINO	54.3670	77.2830	115.0
MASLJANINO	54.3330	84.2170	198.0
ERBOGACEN	61.2670	108.0170	291.0
MAGDAGACI	53.4670	125.8170	370.0
PAVELEC	53.7830	39.2500	210.0
NOVOSELENGINSK	51.1000	106.6500	556.0
LUXEMBOURG/LUXEMBOU	49.6170	6.2170	376.0
HILOK	51.3500	110.4670	802.0
KEMI	65.7830	24.5830	15.0
NJANDOMA	61.6670	40.1830	233.0
GROSSETO	42.7500	11.0830	7.0
POGRANICHNOE	50.4000	143.7670	8.0
PARIS-ORLY	48.7170	2.3830	90.0
EGVEKINOT	66.3500	-179.1170	26.0
NAGORNYJ	55.9670	124.8830	861.0
KYRA	49.5670	111.9670	908.0
BUHTA PROVIDENJA	64.2660	-173.3000	40.0
KJAHTA	50.3670	106.4500	797.0
NORSK	52.3500	129.9170	208.0
GULBENE	57.1330	26.7170	143.0
GVASJUGI	47.6670	136.1830	180.0
DEELEN	52.0670	5.8830	47.0
MOROZOVSK	48.3500	41.8670	90.0
GRONINGEN AP EELDE	53.1330	6.5830	4.0
PANTELLERIA	36.8170	11.9670	170.0
IM POLINY OSIPENKO	52.4170	136.5000	73.0
PISA/S. GIUSTO	43.6830	10.3830	6.0

Table 1. Continued.

Station Name	Latitude	Longitude	Altitude (<i>m</i>)
KAMEN-NA-OBI	53.8170	81.2670	129.0
ISIM	56.1000	69.4330	83.0
LUHANSK	48.5670	39.2500	62.0
KARGASOK	59.0500	80.9500	59.0
NARSARSUAQ	61.1330	-45.4330	5.0
OSLO/GARDERMOEN	60.2000	11.0830	204.0
EINDHOVEN	51.4500	5.4170	22.0
KRISTIANSAND/KJEVIK	58.2000	8.0830	17.0
LONDON/HEATHROW AIR	51.4830	-0.4500	25.0
KETRZYN	54.0670	21.3670	110.0
MEZEN	65.8670	44.2170	19.0
ODESSKOE	54.2000	72.9670	125.0
NAPOLI/CAPODICHINO	40.8500	14.3000	72.0
DE BILT	52.1000	5.1830	4.0
BURUKAN	53.0500	136.0330	153.0
GILZE RIJEN	51.5670	4.9330	13.0
JASKUL	46.1830	45.3500	-7.0
KLAIPEDA	55.7330	21.0670	7.0
PERVOMAJSKOE	57.0670	86.2170	114.0
MARIGNANE	43.4500	5.2330	32.0
LEEWARDEN	53.2170	5.7670	2.0
MAASTRICHT AP ZUID	50.9170	5.7830	116.0
GDANSK-REBIECHOWO	54.3830	18.4670	138.0
NOZOVKA	57.0830	54.7500	130.0
KHERSON	46.6330	32.5670	54.0
LUBLIN RADAWIEC	51.2170	22.4000	240.0
PINSK	52.1170	26.1170	142.0

Table 1. Continued.

Station Name	Latitude	Longitude	Altitude (<i>m</i>)
LODZ	51.7330	19.4000	190.0
PRAHA/RUZYNE	50.1000	14.2500	365.0
FRANKFURT MAIN ARPT	50.0500	8.6000	112.0
GLAZOV	58.1330	52.5830	170.0
KRASNOUFIMSK	56.6500	57.7830	207.0
MARKOVO	64.6830	170.4170	26.0
LUBNY	50.0000	33.0170	158.0
CATANIA/FONTANAROSS	37.4670	15.0500	17.0
PRIARGUNSK	50.4000	119.0670	521.0
KONOTOP	51.2330	33.2000	149.0
OJMIAKON	63.2500	143.1500	745.0
POJARKOVO	49.6170	128.6500	115.0
IVANO-FRANKIVSK	48.9670	24.7000	280.0
PRESTWICK(CIV/NAVY)	55.5000	-4.5830	20.0
LENSK	60.7170	114.8830	234.0
NERCHINSKIJ ZAVOD	51.3170	119.6170	619.0
POKROVSKAJA	61.4830	129.1500	115.0
MEDVEZEGORSK	62.9170	34.4330	81.0
CURAPCA	62.0330	132.6000	186.0
ELAT'MA	54.9500	41.7670	136.0
MYS SHMIDTA	68.9000	-179.3670	4.0
NOGLIKI	51.9170	143.1330	34.0
NJURBA	63.2830	118.3330	119.0
KANIN NOS	68.6500	43.3000	49.0
DUDINKA	69.4000	86.1670	19.0
NIKOLSKOE	55.2000	165.9830	18.0
KALUGA	54.5670	36.4000	201.0

Table 1. Continued.

Station Name	Latitude	Longitude	Altitude (m)
CAGLIARI/ELMAS	39.2500	9.0670	5.0
HEIDELBERG (USA-AF)	49.4000	8.6500	109.0
DALNERECHENSK	45.8670	133.7330	101.0
CHERNIHIV	51.4670	31.2500	141.0
IM. M.V. POPOVA	73.3330	70.0500	7.0
BRJANSK	53.2500	34.3170	216.0
CHERNJAEVO	52.7830	126.0000	210.0
MILANO/LINATE	45.4330	9.2830	103.0
DZARDZAN	68.7330	124.0000	39.0
CHERNISHEVSKIJ	63.0330	112.5000	422.0
DONETSK	48.0670	37.7670	225.0
LINZ/HOERSCHING-FLU	48.2330	14.1830	298.0
IRKUTSK	52.2670	104.3170	469.0
IVDEL	60.6830	60.4500	95.0
MAGADAN	59.5500	150.7830	116.0
KISINEV	47.0170	28.9830	173.0
MAGNITOGORSK	53.3500	59.0830	382.0
PUDINO	57.5330	79.3670	97.0
PERM	57.9500	56.2000	170.0
MYS UELEN	66.1500	-169.8330	3.0
ELABUGA	55.7670	52.0670	192.0
MARESALE	69.7170	66.8000	25.0
ELEC	52.6330	38.5170	168.0
OHOTSK	59.3670	143.2000	6.0
PJALICA	66.1830	39.5330	9.0
MALYE KARMAKULY	72.3670	52.7000	15.0
HANTY-MANSIJSK	61.0170	69.0330	46.0

Table 1. Continued.

Station Name	Latitude	Longitude	Altitude (<i>m</i>)
KHARKIV	49.9670	36.1330	155.0
ODESA	46.4330	30.7670	42.0
KALININGRAD	54.7170	20.5500	21.0
GMO IM.E.K. FEDOROV	77.7170	104.3000	15.0
MINSK	53.9330	27.6330	228.0
CHERDYN	60.4000	56.5170	207.0
ONEGA	63.9000	38.1170	13.0
OMSK	55.0170	73.3830	122.0
REBOLY	63.8330	30.8170	182.0
PAPHOS AIRPORT	34.7170	32.4820	8.0
KORF	60.3500	166.0000	4.0
BUDENNOVSK	44.7830	44.1330	136.0
MOGOCA	53.7500	119.7330	625.0
BUJ	58.4830	41.5330	97.0
KRASNOUCELE	67.3500	37.0500	156.0
HATANGA	71.9830	102.4670	33.0
KYIV	50.4000	30.5670	167.0
KOJNAS	64.7500	47.6500	64.0
BORZJA	50.4000	116.5170	676.0
NIKOL'SK	59.5330	45.4670	136.0
OREL	52.9330	36.0000	203.0
KURGAN	55.4670	65.4000	79.0
KACUG	53.9670	105.9000	533.0
NOVOSIBIRSK	55.0830	82.9000	176.0
MAHACKALA	43.0170	47.4830	32.0
OSTROV DIKSON	73.5000	80.4000	47.0
KOLPASEVO	58.3170	82.9500	75.0