Water vapor isotope experiment was conducted at New England site (urban), New Haven, USA (41.30N, 72.92W) from Dec 2003 to Dec 2004 and from Mar 2007 to May 2008.

1. Time stamps

Data files are stored in hourly resolutions using start and end time stamps (YYYYMMDDHHmm).

2. Data format

Data files are CSV formatted.

3. Time zone convention

Time is reported in UTC.

4. Missing data

Missing data is replaced with -9999.

5. Variable definitions

Column	Description	Unit	Equipment	Height (m)	Additional description
Column 1	Start time	1	-	1	υтс
Column 2	End time	ı	ı	-	UTC
Column 3	Water mixing ratio	ppmv	Campbell TG A-100A	13	-
Column 4	Water vapour isotopic ratio (180)	per mil	Campbell TG A-100A	13	Normalized to V-SMOW; Humidity dependence correlation: Dripper system
Column 5	Standard deviation of 180	per mil	Campbell TG A-100A	13	Hourly
Column 6	Water vapour isotopic ratio (D)	per mil	Campbell TG A-100A	13	Normalized to V-SMOW; Humidity dependence correlation: Dripper system
Column 7	Standard deviation of D	per mil	Campbell TG A-100A	13	Hourly
Column 8	Air temperature	Celsius (°C)	-	-	Tweed airport

	1		ı		
Column 9	Relative humidity	<=1	-	-	Tweed airport
Column 10	Air pressure	kPa	-	-	Tweed airport
Column 11	Precipitation	mm	-	-	Tweed airport
Column 12	Net radiation	W/m2	-	-	-
Column 13	Wind speed	m/s	-	-	Tweed airport
Column 14	Wind direction	degree (°C)	-	-	Tweed airport
Column 15	Air temperature	Celsius (°C)	-	2	ERA5
Column 16	Relative humidity	<=1	_	2	ERA5
Column 17	Air pressure	kPa	-	2	ERA5
Column 18	Precipitation	mm	_	-	ERA5
Column 19	Net radiation	W/m2	_	-	ERA5
Column 20	Wind speed	m/s	-	-	ERA5
Column 21	Wind direction	°C	-	10	ERA5

6. Reference papers

Lee, X., Smith, R. and Williams, J., 2006. Water vapour 180/160 isotope ratio in surface air in New England, USA. Tellus B, 58(4), pp.293-304.

7. Site contact

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