

Site Name	Latitude	Longitude	References
NGRIP	75.10	-42.32	Davies, S.M. et al., 2014, A North Atlantic tephrostratigraphical framework for 130–60 ka b2k: new tephra discoveries, marine-based correlations, and future challenges: <i>Quaternary Science Reviews</i> , v. 106, p. 101–121, doi:10.1016/j.quascirev.2014.03.024.
			Abbott, P.M., Davies, S.M., Steffensen, J.P., Pearce, N.J.G., Bigler, M., Johnsen, S.J., Seierstad, I.K., Svensson, A., and Wastegård, S., 2012, A detailed framework of Marine Isotope Stages 4 and 5 volcanic events recorded in two Greenland ice-cores: <i>Quaternary Science Reviews</i> , v. 36, p. 59–77, doi:https://doi.org/10.1016/j.quascirev.2011.05.001.
MD99-2253	56.36	27.82	Davies, S.M. et al., 2014, A North Atlantic tephrostratigraphical framework for 130–60 ka b2k: new tephra discoveries, marine-based correlations, and future challenges: <i>Quaternary Science Reviews</i> , v. 106, p. 101–121, doi:10.1016/j.quascirev.2014.03.024.
MD99-2289	64.66	4.22	Brendryen, J., Hafliðason, H., and Sejrup, H.P., 2010, Norwegian Sea tephrostratigraphy of marine isotope stages 4 and 5: Prospects and problems for tephrochronology in the North Atlantic region: <i>Quaternary Science Reviews</i> , v. 29, p. 847–864, doi:10.1016/j.quascirev.2009.12.004.
Jungferweih	50.22	6.98	Sirocko, F. et al., 2004, Climate change at the very end of a warm stage: First results from the last glacial inception at 117,000 yr BP: <i>Pages News</i> , v. 12, p. 18–23.
Eigelbach M	50.18	6.59	Sirocko, F. et al., 2004, Climate change at the very end of a warm stage: First results from the last glacial inception at 117,000 yr BP: <i>Pages News</i> , v. 12, p. 18–23.
Hoher List	150.17	6.85	Sirocko, F. et al., 2004, Climate change at the very end of a warm stage: First results from the last glacial inception at 117,000 yr BP: <i>Pages News</i> , v. 12, p. 18–23.
LINK 16	56.84	-11.38	Abbott, P.M., Austin, W.E.N., Davies, S.M., Pearce, N.J.G., and Hibbert, F.D., 2013, Cryptotephrochronology of the Eemian and the last interglacial–glacial transition in the North East Atlantic: <i>Journal of Quaternary Science</i> , v. 28, p. 501–514, doi:10.1002/jqs.2641.
ENAM33	61.26	-11.16	Wastegård, S., and Rasmussen, T.L., 2001, New tephra horizons from Oxygen Isotope Stage 5 in the North Atlantic: correlation potential for terrestrial, marine and ice-core archives: <i>Quaternary Science Reviews</i> , v. 20, p. 1587–1593, doi:10.1016/S0277-3791(01)00055-5.
MD95-2009	62.74	-3.99	Wastegård, S., and Rasmussen, T.L., 2001, New tephra horizons from Oxygen Isotope Stage 5 in the North Atlantic: correlation potential for terrestrial, marine and ice-core archives: <i>Quaternary Science Reviews</i> , v. 20, p. 1587–1593, doi:10.1016/S0277-3791(01)00055-5.
MD04-2822	56.84	-11.38	Abbott, P.M., Austin, W.E.N., Davies, S.M., Pearce, N.J.G., and Hibbert, F.D., 2013, Cryptotephrochronology of the Eemian and the last interglacial–glacial transition in the North East Atlantic: <i>Journal of Quaternary Science</i> , v. 28, p. 501–514, doi:10.1002/jqs.2641.
			Sjwøholm, J., Sejrup, H.P., and Fumes, H., 1991, Quaternary volcanic ash zones on the Iceland Plateau, southern Norwegian Sea: <i>Journal of Quaternary Science</i> , v. 6, p. 159–173, doi:10.1002/jqs.3390060205.
P57-7	68.43	-13.87	Sejrup, H.P., Sjøholm, J., Furnes, H., Beyer, I., Eide, L., Jansen, E., and Mangerud, J., 1989, Quaternary tephrochronology on the Iceland Plateau, north of Iceland: <i>Journal of Quaternary Science</i> , v. 4, p. 109–114, doi:10.1002/jqs.3390040202.
ODP644	66.67	4.57	Fronval, T., Jansen, E., Hafliðason, H., and Sejrup, H.P., 1998, Variability in surface and deep water conditions in the nordic seas during the last interglacial period: <i>Quaternary Science Reviews</i> , v. 17, p. 963–985, doi:10.1016/S0277-3791(98)00038-9.
HM71-25	67.99	0.23	Fronval, T., Jansen, E., Hafliðason, H., and Sejrup, H.P., 1998, Variability in surface and deep water conditions in the nordic seas during the last interglacial period: <i>Quaternary Science Reviews</i> , v. 17, p. 963–985, doi:10.1016/S0277-3791(98)00038-9.
HM79-31	67.03	-7.95	Fronval, T., Jansen, E., Hafliðason, H., and Sejrup, H.P., 1998, Variability in surface and deep water conditions in the nordic seas during the last interglacial period: <i>Quaternary Science Reviews</i> , v. 17, p. 963–985, doi:10.1016/S0277-3791(98)00038-9.
HM71-19	69.48	-9.52	Fronval, T., Jansen, E., Hafliðason, H., and Sejrup, H.P., 1998, Variability in surface and deep water conditions in the nordic seas during the last interglacial period: <i>Quaternary Science Reviews</i> , v. 17, p. 963–985, doi:10.1016/S0277-3791(98)00038-9.
HM57-7	68.43	-13.87	Fronval, T., Jansen, E., Hafliðason, H., and Sejrup, H.P., 1998, Variability in surface and deep water conditions in the nordic seas during the last interglacial period: <i>Quaternary Science Reviews</i> , v. 17, p. 963–985, doi:10.1016/S0277-3791(98)00038-9.
HM68-22	70.65	-15.07	Fronval, T., Jansen, E., Hafliðason, H., and Sejrup, H.P., 1998, Variability in surface and deep water conditions in the nordic seas during the last interglacial period: <i>Quaternary Science Reviews</i> , v. 17, p. 963–985, doi:10.1016/S0277-3791(98)00038-9.
HM94-34	73.77	-2.53	Fronval, T., Jansen, E., Hafliðason, H., and Sejrup, H.P., 1998, Variability in surface and deep water conditions in the nordic seas during the last interglacial period: <i>Quaternary Science Reviews</i> , v. 17, p. 963–985, doi:10.1016/S0277-3791(98)00038-9.
UB28-18	62.93	2.73	Fronval, T., Jansen, E., Hafliðason, H., and Sejrup, H.P., 1998, Variability in surface and deep water conditions in the nordic seas during the last interglacial period: <i>Quaternary Science Reviews</i> , v. 17, p. 963–985, doi:10.1016/S0277-3791(98)00038-9.
HM52-43	63.52	0.73	Fronval, T., Jansen, E., Hafliðason, H., and Sejrup, H.P., 1998, Variability in surface and deep water conditions in the nordic seas during the last interglacial period: <i>Quaternary Science Reviews</i> , v. 17, p. 963–985, doi:10.1016/S0277-3791(98)00038-9.
HM71-12	68.43	-13.87	Fronval, T., Jansen, E., Hafliðason, H., and Sejrup, H.P., 1998, Variability in surface and deep water conditions in the nordic seas during the last interglacial period: <i>Quaternary Science Reviews</i> , v. 17, p. 963–985, doi:10.1016/S0277-3791(98)00038-9.
Klaksvik	62.22	-6.56	Wastegård, S., Björck, S., Greve, C., and Rasmussen, T.L., 2005, A tephra-based correlation between the Faroe Islands and the Norwegian Sea raises questions about chronological relationships during the last interglacial: <i>Terra Nova</i> , v. 17, p. 7–12, doi:10.1111/j.1365-3121.2004.00578.x.
U1304	53.06	-33.53	Kuhs, M., Austin, W.E.N., Abbott, P.M., and Hodell, D.A., 2014, Iceberg-rafted tephra as a potential tool for the reconstruction of ice-sheet processes and ocean surface circulation in the glacial North Atlantic: <i>Geological Society, London, Special Publications</i> , v. 398, p. 141–155, doi:10.1144/SP398.8.

Supplementary Table 1: The locations and references of tephrostratigraphic sequences which contain deposits of LIG age in NW Europe, the North Atlantic, and Greenland.