

## Figures

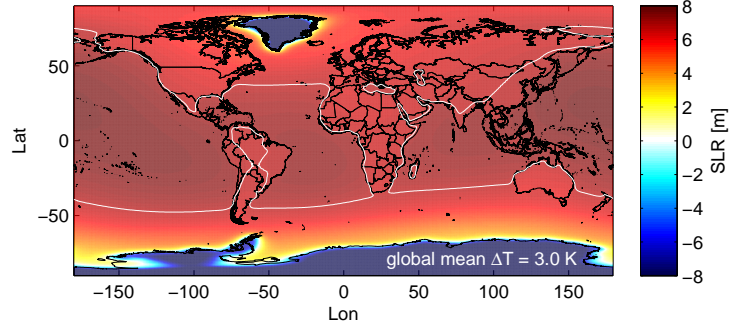


Figure 1: Pattern of sea-level rise obtained from Levermann et al. (2013) for a global mean temperature anomaly  $\Delta T = 3.0$  K. The white line indicates the global mean SLR when averaged only over the ocean area (6.6 m).

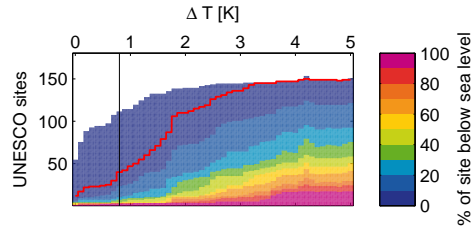


Figure 2: Red line: number of cultural UNESCO world heritage sites affected by sea-level rise as obtained by the main method used (i.e. equal to envelope of Fig. 1a of the main text). Colors: percentage of elevation points below sea level at each site, ignoring uncertainty of the elevation data. Vertical black line indicates present day  $\Delta T = 0.8$  K.

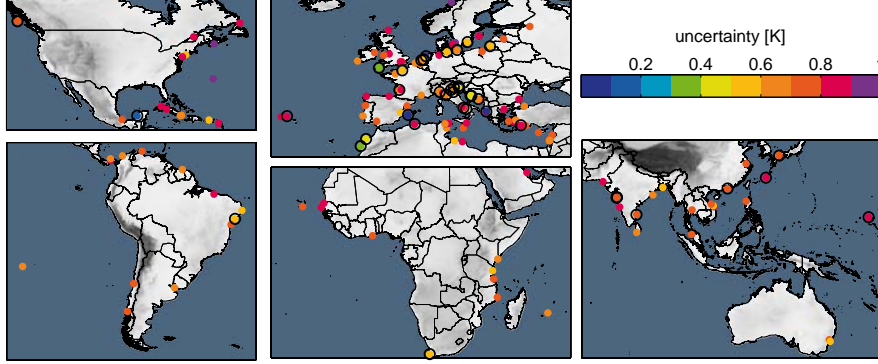


Figure 3: Location of UNESCO cultural world heritage sites affected by sea-level rise. Colors: SLR projection based uncertainty of the lowest  $\Delta T$  at which the site will be partly below local mean sea level. Black circles: sites which are affected already at the present day  $\Delta T = 0.8$  K. Since the uncertainty may be asymmetric around the median, the mean of the upper and lower limit is given.

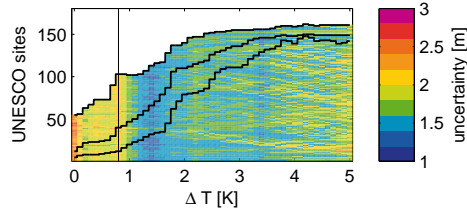


Figure 4: Black lines: Confidence interval (center line is median) in the number of cultural UNESCO world heritage sites affected by sea-level rise. Colors: SLR projection based uncertainty in the depth of these sites below sea level. Vertical black line indicates present day  $\Delta T = 0.8$  K. Note that the ordering of sites changes for different values of  $\Delta T$ , as it is the same as in Fig. 1 of the main article, where sites are re-ordered for each  $\Delta T$  by the depth below sea level.

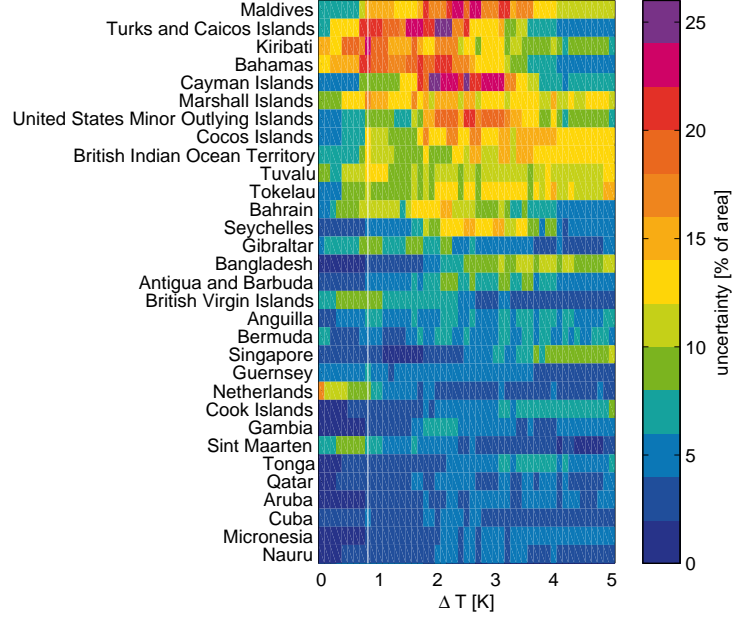


Figure 5: SLR projection based uncertainty in the increase of the percentage of land surface lying below sea level. Vertical white line indicates present day  $\Delta T = 0.8$  K.

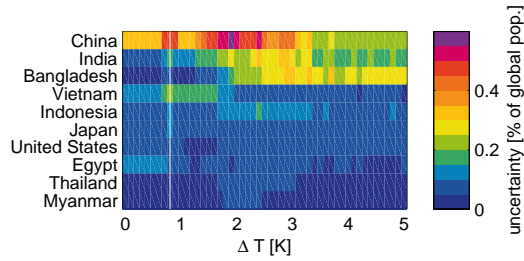


Figure 6: SLR projection based uncertainty in the percentage of world population living in areas above current, but below future sea level. Vertical white line indicates present day  $\Delta T = 0.8$  K.

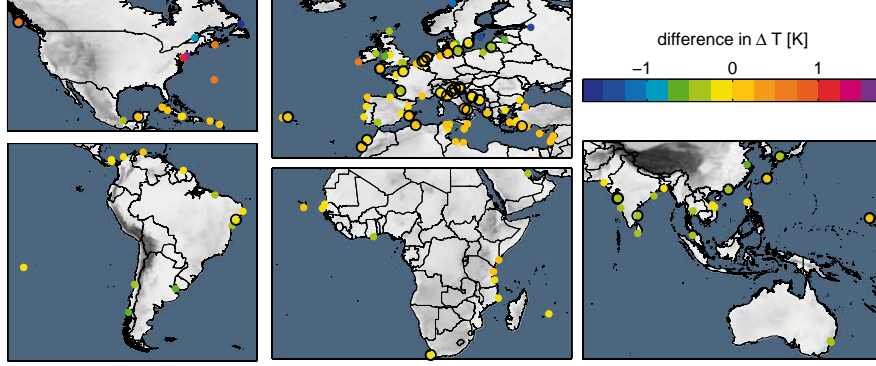


Figure 7: Location of UNESCO cultural world heritage sites affected by sea-level rise. Colors: Change in the lowest  $\Delta T$  at which the site will be partly below local mean sea level if GIA is ignored. Black circles: sites which are affected already at the present day  $\Delta T = 0.8$  K.

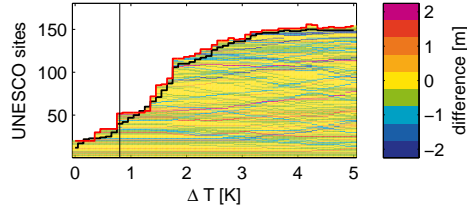


Figure 8: Black line: Number of cultural UNESCO world heritage sites affected by sea-level rise as a function of  $\Delta T$ . Red line: Number of cultural UNESCO world heritage sites affected by sea-level rise as a function of  $\Delta T$  if GIA is ignored. Colors: Difference in depth below sea level of these sites when GIA is ignored. Note that the ordering of sites changes for different values of  $\Delta T$ , as it is the same as in Fig. 1 of the main article, where sites are re-ordered for each  $\Delta T$  by the depth below sea level.



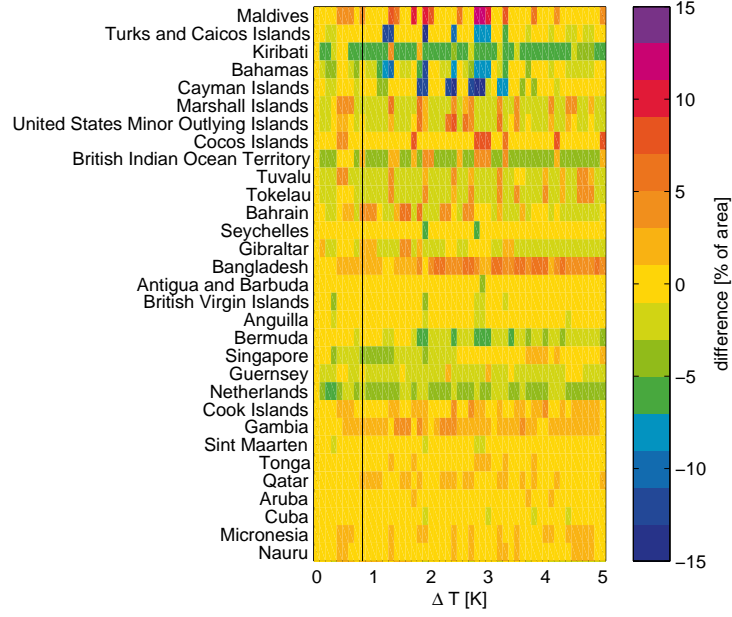


Figure 9: Difference in the increase of the percentage of land surface lying below sea level when GIA is ignored. Vertical black line indicates present day  $\Delta T = 0.8$  K.

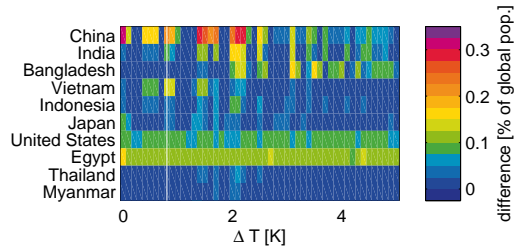


Figure 10: Difference in the percentage of world population living in areas above current, but below future sea level, when GIA is ignored. Vertical white line indicates present day  $\Delta T = 0.8$  K.

## Table

Table 1: Name, country, geographic location and lowest  $\Delta T$  at which the side will be partly below local mean sea level.

Name	Country	lat	lon	$\Delta T$ [K]
Butrint	Albania	39.751	20.026	$0.0 \pm 0.1$
Kasbah of Algiers	Algeria	36.783	3.060	$0.8 \pm 0.8$
Australian Convict Sites	Australia	-33.378	150.994	$1.3 \pm 0.7$
Sydney Opera House	Australia	-33.857	151.215	$2.1 \pm 0.5$
Historic Mosque City of Bagerhat	Bangladesh	22.667	89.800	$1.9 \pm 0.5$
Qal'at al-Bahrain – Ancient Harbour and Capital of Dilmun	Bahrain	26.233	50.522	$1.1 \pm 0.8$
Flemish Béguinages	Belgium	51.031	4.474	$1.6 \pm 0.6$
Historic Centre of Brugge	Belgium	51.209	3.225	$1.8 \pm 0.6$
Plantin-Moretus House-Workshops-Museum Complex	Belgium	51.218	4.398	$1.6 \pm 0.6$
Historic Centre of Salvador de Bahia	Brazil	-12.967	-38.500	$2.8 \pm 0.8$
Historic Centre of São Luís	Brazil	-2.514	-44.303	$1.7 \pm 0.8$
Historic Centre of the Town of Olinda	Brazil	-8.013	-34.845	$1.8 \pm 0.6$
São Francisco Square in the Town of São Cristóvão	Brazil	-11.016	-37.210	$0.2 \pm 0.5$
Ancient City of Nessebar	Bulgaria	42.656	27.730	$0.9 \pm 0.9$
Historic District of Old Québec	Canada	46.809	-71.211	$3.3 \pm 0.8$
L'Anse aux Meadows National Historic Site	Canada	51.467	-55.617	$2.5 \pm 0.8$
Old Town Lunenburg	Canada	44.376	-64.309	$1.0 \pm 0.9$
SGang Gwaay	Canada	52.095	-131.220	$0.7 \pm 0.7$
Cidade Velha, Historic Centre of Ribeira Grande	Cape Verde	14.915	-23.605	$1.3 \pm 0.8$
Churches of Chiloé	Chile	-42.500	-73.767	$2.5 \pm 0.7$
Historic Quarter of the Seaport City of Valparaíso	Chile	-33.041	-71.628	$2.5 \pm 0.7$
Rapa Nui National Park	Chile	-27.150	-109.450	$1.8 \pm 0.6$

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Name	Country	lat	lon	$\Delta T$ [K]
Classical Gardens of Suzhou	China	31.317	120.450	1.4 $\pm$ 0.7
Historic Centre of Macao	China	22.191	113.536	0.8 $\pm$ 0.8
Port, Fortresses and Group of Monuments, Cartagena	Colombia	10.417	-75.533	1.6 $\pm$ 0.6
Episcopal Complex of the Euphrasian Basilica in the Historic Centre of Poreč	Croatia	45.229	13.594	0.1 $\pm$ 0.5
Historic City of Trogir	Croatia	43.513	16.252	0.0 $\pm$ 0.3
Historical Complex of Split with the Palace of Diocletian	Croatia	43.509	16.443	0.1 $\pm$ 0.5
Old City of Dubrovnik	Croatia	42.651	18.091	0.6 $\pm$ 0.6
Stari Grad Plain	Croatia	43.182	16.639	4.2 $\pm$ 0.6
The Cathedral of St James in Šibenik	Croatia	43.736	15.890	1.6 $\pm$ 0.6
Archaeological Landscape of the First Coffee Plantations in the South-East of Cuba	Cuba	20.030	-75.391	1.5 $\pm$ 0.6
Old Havana and its Fortifications	Cuba	23.133	-82.350	1.2 $\pm$ 0.8
San Pedro de la Roca Castle, Santiago de Cuba	Cuba	19.967	-75.871	3.2 $\pm$ 0.7
Urban Historic Centre of Cienfuegos	Cuba	22.147	-80.453	1.7 $\pm$ 0.8
Paphos	Cyprus	34.758	32.406	1.3 $\pm$ 0.8
Kronborg Castle	Denmark	56.039	12.621	1.0 $\pm$ 0.9
Roskilde Cathedral	Denmark	55.642	12.080	1.7 $\pm$ 0.8
Arles, Roman and Romanesque Monuments	France	43.678	4.631	1.8 $\pm$ 0.6
Bordeaux, Port of the Moon	France	44.839	-0.572	0.7 $\pm$ 0.7
Jurisdiction of Saint-Emilion	France	44.895	-0.155	1.1 $\pm$ 0.8
Le Havre, the City Rebuilt by Auguste Perret	France	49.493	0.108	0.1 $\pm$ 0.5
Mont-Saint-Michel and its Bay	France	48.636	-1.511	1.6 $\pm$ 0.6
Hanseatic City of Lübeck	Germany	53.867	10.692	0.2 $\pm$ 0.5
Historic Centres of Stralsund and Wismar	Germany	54.303	13.085	0.7 $\pm$ 0.7
Town Hall and Roland on the Marketplace of Bremen	Germany	53.076	8.807	1.7 $\pm$ 0.8
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Name	Country	lat	lon	$\Delta T$ [K]
Forts and Castles, Volta, Greater Accra, Central and Western Regions	Ghana	5.391	-0.494	2.4 $\pm$ 0.8
Delos	Greece	37.400	25.267	1.4 $\pm$ 0.7
Historic Centre (Chorá) with the Monastery of Saint John	Greece	37.300	26.550	1.8 $\pm$ 0.8
Medieval City of Rhodes	Greece	36.447	28.228	0.8 $\pm$ 0.9
Mount Athos	Greece	40.267	24.217	1.0 $\pm$ 0.9
Old Town of Corfu	Greece	39.624	19.927	1.8 $\pm$ 0.8
Pythagoreion and Heraion of Samos	Greece	37.691	26.943	1.5 $\pm$ 0.6
Chhatrapati Shivaji Terminus (formerly Victoria Terminus)	India	18.940	72.836	0.0 $\pm$ 0.1
Churches and Convents of Goa	India	15.502	73.912	1.2 $\pm$ 0.8
Elephanta Caves	India	18.967	72.936	0.8 $\pm$ 0.7
Group of Monuments at Mahabalipuram	India	12.617	80.192	0.8 $\pm$ 0.7
Sun Temple, Konârak	India	19.887	86.095	3.7 $\pm$ 0.7
Archaeological Ensemble of the Bend of the Boyne	Ireland	53.692	-6.450	2.1 $\pm$ 0.8
Skellig Michael	Ireland	51.772	-10.539	1.8 $\pm$ 0.7
Bahá'í Holy Places in Haifa and the Western Galilee	Israel	32.829	34.972	2.2 $\pm$ 0.7
Old City of Acre	Israel	32.928	35.084	2.2 $\pm$ 0.7
Archaeological Area and the Patriarchal Basilica of Aquileia	Italy	45.768	13.368	0.0 $\pm$ 0.1
Archaeological Areas of Pompei, Herculaneum and Torre Annunziata	Italy	40.750	14.483	2.6 $\pm$ 0.8
Cilento and Vallo di Diano National Park with the Archeological sites of Paestum and Velia, and the Certosa di Padula	Italy	40.283	15.267	0.0 $\pm$ 0.4
Costiera Amalfitana	Italy	40.650	14.600	0.8 $\pm$ 0.9
Early Christian Monuments of Ravenna	Italy	44.420	12.196	0.1 $\pm$ 0.5
Ferrara, City of the Renaissance, and its Po Delta	Italy	44.838	11.619	0.0 $\pm$ 0.1
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Name	Country	lat	lon	$\Delta T$ [K]
Genoa: Le Strade Nuove and the system of the Palazzi dei Rolli	Italy	44.412	8.931	$0.7 \pm 0.7$
Historic Centre of Naples	Italy	40.851	14.263	$1.8 \pm 0.8$
Piazza del Duomo, Pisa	Italy	43.723	10.396	$0.5 \pm 0.6$
Portovenere, Cinque Terre, and the Islands (Palmaria, Tino and Tinetto)	Italy	44.107	9.729	$1.0 \pm 0.9$
Syracuse and the Rocky Necropolis of Pantalica	Italy	37.059	15.293	$1.2 \pm 0.8$
Venice and its Lagoon	Italy	45.434	12.339	$0.7 \pm 0.7$
Gusuku Sites and Related Properties of the Kingdom of Ryukyu	Japan	26.209	127.683	$0.8 \pm 0.9$
Hiroshima Peace Memorial (Genbaku Dome)	Japan	34.383	132.450	$0.8 \pm 0.8$
Itsukushima Shinto Shrine	Japan	34.294	132.325	$1.9 \pm 0.5$
Lamu Old Town	Kenya	-2.284	40.852	$1.8 \pm 0.6$
Byblos	Lebanon	34.119	35.648	$1.4 \pm 0.8$
Tyre	Lebanon	33.272	35.194	$1.4 \pm 0.8$
Archaeological Site of Leptis Magna	Libyan Arab Jamahiriya	32.638	14.293	$1.8 \pm 0.8$
Archaeological Site of Sabratha	Libyan Arab Jamahiriya	32.805	12.485	$1.8 \pm 0.6$
Historic Centre of Riga	Latvia	56.954	24.117	$1.4 \pm 0.8$
Curonian Spit	Lithuania, Russian Federation	55.275	20.962	$0.3 \pm 0.6$
Melaka and George Town, Historic Cities of the Straits of Malacca	Malaysia	5.421	100.346	$2.5 \pm 0.7$
City of Valletta	Malta	35.901	14.514	$2.9 \pm 0.8$
Hal Saflieni Hypogeum	Malta	35.871	14.507	$2.5 \pm 0.7$
Bikini Atoll Nuclear Test Site	Marshall Islands	11.600	165.381	$0.8 \pm 0.9$
Aapravasi Ghat	Mauritius	-20.159	57.503	$1.5 \pm 0.6$
Natural and Culturo-Historical Region of Kotor	Montenegro	42.483	18.700	$2.4 \pm 0.8$
Medina of Essaouira (formerly Mogador)	Morocco	31.517	-9.769	$0.0 \pm 0.3$
Portuguese City of Mazagan (El Jadida)	Morocco	33.257	-8.502	$0.1 \pm 0.5$
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Name	Country	lat	lon	$\Delta T$ [K]
Island of Mozambique	Mozambique	-15.034	40.736	$2.8 \pm 0.7$
Historic Fortified Town of Campeche	Mexico	19.846	-90.537	$0.0 \pm 0.1$
Historic Monuments Zone of Tlacotalpan	Mexico	18.608	-95.658	$1.7 \pm 0.8$
Historic Area of Willemstad, Inner City and Harbour	Netherlands	12.102	-68.902	$2.5 \pm 0.7$
Ir.D.F. Woudagemaal (D.F. Wouda Steam Pumping Station)	Netherlands	52.846	5.679	$0.0 \pm 0.1$
Mill Network at Kinderdijk-Elshout	Netherlands	51.883	4.649	$0.0 \pm 0.1$
Rietveld Schröderhuis (Rietveld Schröder House)	Netherlands	52.085	5.147	$0.2 \pm 0.6$
Seventeenth-century canal ring area of Amsterdam inside the Singelgracht	Netherlands	52.365	4.888	$1.3 \pm 0.8$
Vegaøyan – The Vega Archipelago	Norway	65.617	11.750	$2.7 \pm 1.0$
Historical Monuments at Makli, Thatta	Pakistan	24.767	67.900	$3.4 \pm 0.8$
Archaeological Site of Panamá Viejo and Historic District of Panamá	Panama	8.951	-79.541	$1.8 \pm 0.8$
Fortifications on the Caribbean Side of Panama: Portobelo-San Lorenzo	Panama	9.554	-79.656	$1.5 \pm 0.6$
Historic Town of Vigan	Philippines	17.575	120.388	$2.6 \pm 0.8$
Castle of the Teutonic Order in Malbork	Poland	54.042	19.033	$2.2 \pm 0.8$
Central Zone of the Town of Angra do Heroísmo in the Azores	Portugal	38.655	-27.220	$0.8 \pm 0.9$
Historic Centre of Oporto	Portugal	41.142	-8.617	$2.5 \pm 0.8$
Landscape of the Pico Island Vineyard Culture	Portugal	38.513	-28.541	$1.3 \pm 0.8$
Monastery of the Hieronymites and Tower of Belém in Lisbon	Portugal	38.692	-9.216	$1.6 \pm 0.6$
Historic Centre of Saint Petersburg and Related Groups of Monuments	Russian Federation	59.950	30.318	$3.3 \pm 0.8$
Brimstone Hill Fortress National Park	Saint Kitts and Nevis	17.347	-62.837	$2.9 \pm 0.8$
Island of Gorée	Senegal	14.667	-17.401	$1.8 \pm 0.8$
Island of Saint-Louis	Senegal	16.028	-16.504	$0.9 \pm 0.9$
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Name	Country	lat	lon	$\Delta T$ [K]
Robben Island	South Africa	-33.800	18.367	$0.2 \pm 0.5$
Archaeological Ensemble of Tárraco	Spain	41.115	1.259	$1.7 \pm 0.7$
Cathedral, Alcázar and Archivo de Indias in Seville	Spain	37.384	-5.992	$2.6 \pm 0.8$
Ibiza, Biodiversity and Culture	Spain	38.911	1.435	$0.0 \pm 0.1$
La Lonja de la Seda de Valencia	Spain	39.474	-0.378	$3.8 \pm 0.5$
Tower of Hercules	Spain	43.386	-8.406	$1.4 \pm 0.8$
Vizcaya Bridge	Spain	43.323	-3.017	$1.0 \pm 0.9$
Old Town of Galle and its Fortifications	Sri Lanka	6.021	80.219	$3.2 \pm 0.7$
Historic Inner City of Paramaribo	Suriname	5.826	-55.150	$1.6 \pm 0.6$
Hanseatic Town of Visby	Sweden	57.642	18.296	$1.8 \pm 0.8$
Naval Port of Karlskrona	Sweden	56.167	15.583	$0.2 \pm 0.6$
Ruins of Kilwa Kisiwani and Ruins of Songo Mnara	Tanzania	-8.958	39.523	$2.8 \pm 0.8$
Stone Town of Zanzibar	Tanzania	-6.163	39.189	$1.8 \pm 0.6$
Historic City of Ayutthaya	Thailand	14.348	100.561	$3.1 \pm 0.8$
Archaeological Site of Carthage	Tunisia	36.853	10.323	$1.8 \pm 0.8$
Medina of Sousse	Tunisia	35.828	10.639	$1.6 \pm 0.6$
Medina of Tunis	Tunisia	36.817	10.167	$3.2 \pm 0.7$
Punic Town of Kerkuane and its Necropolis	Tunisia	36.946	11.099	$1.7 \pm 0.8$
Historic Areas of Istanbul	Turkey	41.008	28.980	$1.5 \pm 0.6$
Xanthos-Letoon	Turkey	36.335	29.320	$3.7 \pm 0.7$
Castles and Town Walls of King Edward in Gwynedd	United Kingdom	53.140	-4.277	$2.3 \pm 0.8$
Cornwall and West Devon Mining Landscape	United Kingdom	50.136	-5.384	$0.0 \pm 0.4$
Heart of Neolithic Orkney	United Kingdom	58.996	-3.189	$1.8 \pm 0.9$
Historic Town of St George and Related Fortifications, Bermuda	United Kingdom	32.379	-64.678	$1.1 \pm 0.9$
Liverpool – Maritime Mercantile City	United Kingdom	53.407	-2.994	$1.7 \pm 0.8$
Maritime Greenwich	United Kingdom	51.478	0.000	$3.1 \pm 0.8$
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Name	Country	lat	lon	$\Delta T$ [K]
Royal Botanic Gardens, Kew	United Kingdom	51.482	-0.294	$3.2 \pm 0.8$
Tower of London	United Kingdom	51.508	-0.076	$1.8 \pm 0.6$
Westminster Palace, Westminster Abbey and Saint Margaret's Church	United Kingdom	51.500	-0.129	$3.1 \pm 0.8$
Independence Hall	United States of America	39.949	-75.150	$1.2 \pm 0.8$
La Fortaleza and San Juan National Historic Site in Puerto Rico	United States of America	18.467	-66.125	$1.9 \pm 0.6$
Statue of Liberty	United States of America	40.689	-74.045	$1.9 \pm 0.6$
Historic Quarter of the City of Colonia del Sacramento	Uruguay	-34.468	-57.853	$2.3 \pm 0.7$
Complex of Hué Monuments	Viet Nam	16.469	107.578	$2.7 \pm 0.8$
Hoi An Ancient Town	Viet Nam	15.883	108.333	$1.8 \pm 0.6$
My Son Sanctuary	Viet Nam	15.517	108.567	$1.2 \pm 0.8$