

DRAC 2.0

Location	Sample Code	Collection Date	Depth below surface (m)	Field water content* (%)	Cosmic dose-rate (Gy ka ⁻¹)	K (%)	U (ppm)	Th (ppm)	Infinite matrix Alpha dose-rate (Gy ka ⁻¹)	Infinite matrix Beta dose-rate (Gy ka ⁻¹)	Infinite matrix Gamma dose-rate** (Gy ka ⁻¹)	Total dose-rate*** (Gy ka ⁻¹)
Amazon Rainforest	LAN2	2019-03-15	2.22 ± 0.05	5.0 ± 2.0	0.159 ± 0.01	1.2 ± 0.14	3.4 ± 0.51	14.47 ± 1.69	20.175 ± 1.894	1.854 ± 0.143	1.371 ± 0.105	3.487 ± 0.184
Atacama Desert	LAN7	2019-05-03	2.22 ± 0.05	5.0 ± 2.0	0.159 ± 0.01	1.2 ± 0.14	3.4 ± 0.51	14.47 ± 1.69	20.175 ± 1.894	1.854 ± 0.143	1.371 ± 0.105	3.487 ± 0.184
Great Barrier Reef	LAN5	2021-01-30	2.22 ± 0.05	5.0 ± 2.0	0.159 ± 0.01	1.2 ± 0.14	3.4 ± 0.51	14.47 ± 1.69	20.175 ± 1.894	1.854 ± 0.143	1.371 ± 0.105	3.487 ± 0.184
Himalayas	LAN4	2018-07-08	2.22 ± 0.05	5.0 ± 2.0	0.159 ± 0.01	1.2 ± 0.14	3.4 ± 0.51	14.47 ± 1.69	20.175 ± 1.894	1.854 ± 0.143	1.371 ± 0.105	3.487 ± 0.184
Nile River	LAN12	2011-10-07	2.22 ± 0.05	5.0 ± 2.0	0.159 ± 0.01	1.2 ± 0.14	3.4 ± 0.51	14.47 ± 1.69	20.175 ± 1.894	1.854 ± 0.143	1.371 ± 0.105	3.487 ± 0.184
	LAN1	2011-10-07	2.22 ± 0.05	5.0 ± 2.0	0.159 ± 0.01	1.2 ± 0.14	3.4 ± 0.51	14.47 ± 1.69	20.175 ± 1.894	1.854 ± 0.143	1.371 ± 0.105	3.487 ± 0.184
	LAN10	2011-10-07	2.22 ± 0.05	5.0 ± 2.0	0.159 ± 0.01	1.2 ± 0.14	3.4 ± 0.51	14.47 ± 1.69	20.175 ± 1.894	1.854 ± 0.143	1.371 ± 0.105	3.487 ± 0.184
	LAN11	2011-10-07	2.22 ± 0.05	5.0 ± 2.0	0.159 ± 0.01	1.2 ± 0.14	3.4 ± 0.51	14.47 ± 1.69	20.175 ± 1.894	1.854 ± 0.143	1.371 ± 0.105	3.487 ± 0.184
Sahara Desert	LAN3	2020-11-22	2.22 ± 0.05	5.0 ± 2.0	0.159 ± 0.01	1.2 ± 0.14	3.4 ± 0.51	14.47 ± 1.69	20.175 ± 1.894	1.854 ± 0.143	1.371 ± 0.105	3.487 ± 0.184
Siberian Tundra	LAN8	2020-08-25	2.22 ± 0.05	5.0 ± 2.0	0.159 ± 0.01	1.2 ± 0.14	3.4 ± 0.51	14.47 ± 1.69	20.175 ± 1.894	1.854 ± 0.143	1.371 ± 0.105	3.487 ± 0.184
Yellowstone National Park	LAN6	2017-09-14	2.22 ± 0.05	5.0 ± 2.0	0.159 ± 0.01	1.2 ± 0.14	3.4 ± 0.51	14.47 ± 1.69	20.175 ± 1.894	1.854 ± 0.143	1.371 ± 0.105	3.487 ± 0.184