

Sample	Lon. (°)	Lat (°)	Elev. (m)	Lithology	Geological constraints on the denudation/burial history
BN14-01	2.09	7.40	160	Granitiod	1 – Structurally and topographically underneath the Coastal basin. The sample was therefore exposed near sea-level during the Maastrichtian (70 – 65 Ma; the age of the shallow marine sediments in the coastal basin) and buried after that. 2 – Sample was collected from an extensive, slightly dissected middle glacia relict landscape and has therefore undergone negligible denudation since 6 Ma.
BN14-02	2.19	7.62	144	Gniess	2 – Sample was collected from an extensive, slightly dissected middle glacia relict landscape and has therefore undergone negligible denudation since 6 Ma. 2 – Sample is located in an inselberg country culminating at 400 m and has therefore undergone a minimum of 250 m of denudation between 45 and 6 Ma.
BN14-03	2.50	8.05	197	Granitiod	2 – Sample was collected from an extensive, slightly dissected middle glacia relict landscape and has therefore undergone negligible denudation since 6 Ma. 2 – Sample is located in an inselberg country culminating at 400 m and has therefore undergone a minimum of 250 m of denudation between 45 and 6 Ma.
BN14-04	2.61	8.75	302	Granitoid	2 – Sample was collected from an extensive, slightly dissected middle glacia relict landscape and has therefore undergone negligible denudation since 6 Ma.
BN14-05	2.55	9.19	374	Granitiod	2 – Sample was collected from an extensive, slightly dissected middle glacia relict landscape and has therefore undergone negligible denudation since 6 Ma.
BN14-06	3.19	11.68	238	Sandstone	1 – The sample belongs to a fluvial/coastal formation of Ordovician – Silurian age (Kandi Formation) and was therefore exposed and near sea level sometime between ca. 490 and 420 Ma and could have been subsequently buried. 1 – Sample is in the close vicinity (30 km) of the intracratonic lullemedden basin and “directly” underlies the Continental Terminal (CT) formation. The sample was therefore exposed 59 Ma ago. There was no significant burial since then given the 2 – Sample underlies a relict of the Intermediate ferricrete and has therefore undergone no denudation since 29 Ma. 3 – Sample is located at the western margin of the Kandi basin, exposing a very thin (<100 m) Lower Cretaceous continental formation. The sample was therefore exposed at the surface sometime between ca. 140 and 100 Ma.
BN14-07	2.90	11.14	298	Gniess	2 – Sample was collected from an extensive, slightly dissected middle glacia relict landscape and has therefore undergone negligible denudation since 6 Ma. 3 – Sample is located at the western margin of the Kandi basin, exposing a very thin (<100 m) Lower Cretaceous continental formation. The sample was therefore exposed at the surface sometime between ca. 140 and 100 Ma.
BN14-08	2.81	10.80	347	Sandstone	1 – The sample belongs to a fluvial/coastal formation of Ordovician – Silurian age (Kandi Formation) and was therefore exposed and near sea level sometime between 2 – Sample was collected from an extensive, slightly dissected middle glacia relict landscape and has therefore undergone negligible denudation since 6 Ma. 3 – Sample is located at the western margin of the Kandi basin, exposing a very thin (<100 m) Lower Cretaceous continental formation. The sample was therefore exposed at the surface sometime between ca. 140 and 100 Ma.
BN14-09	2.73	10.56	351	Gniess	2 – Sample was collected from an extensive, slightly dissected middle glacia relict landscape and has therefore undergone negligible denudation since 6 Ma. 3 – Sample is located at the western margin of the Kandi basin, exposing a very thin (<100 m) Lower Cretaceous continental formation. The sample was therefore exposed at the surface sometime between ca. 140 and 100 Ma.
BN14-10	2.72	10.37	345	Gniess	2 – Sample was collected from an extensive, slightly dissected middle glacia relict landscape and has therefore undergone negligible denudation since 6 Ma.
BN14-11	2.60	9.77	346	Granitoid	2 – Sample was collected from an extensive, slightly dissected middle glacia relict landscape and has therefore undergone negligible denudation since 6 Ma.
BN14-12	2.30	9.77	338	Migmatite	2 – Sample was collected from an extensive, slightly dissected middle glacia relict landscape and has therefore undergone negligible denudation since 6 Ma.
BN14-13	1.51	10.01	397	Granitiod	2 – Sample was collected from an extensive, slightly dissected middle glacia relict landscape and has therefore undergone negligible denudation since 6 Ma.
BN14-14	1.19	10.76	247	Sandstone	2 – Sample is from the lower slope of an inselberg on a middle-lower glacia pediplain and has therefore experienced negligible denudation since 6 Ma.
BN14-15	1.28	10.61	268	Sandstone	2 – Sample taken from the western exit of a gorge carved in the Atacora range (530 m elevation). Since the “top” of the range is a plateau relict of the “African (bauxitic) surface”, the sample has undergone a minimum of 330 m of (local) denudation since 45 Ma.
BN14-16	1.32	10.56	557	Sandstone	2 – Sampled from the “African (bauxitic) surface” and has therefore experienced negligible to no denudation since 45 Ma.
BN14-17	2.63	8.36	262	Gniess	2 – Sample was collected from an extensive, slightly dissected middle glacia relict landscape and has therefore undergone negligible denudation since 6 Ma. 2 – Sample is located in an inselberg country culminating at 400 m and has therefore undergone a minimum of 250 m of denudation between 45 and 6 Ma.
BN14-18	1.82	7.06	203	Sandstone	1 – The sample is a Maastrichtian sandstone from shallow marine environment and was therefore exposed on the shore sometime between 70 and 75 Ma before being 2 – Exposed under the Intermediate ferricrete: no denudation since 29 Ma.