

17,830 ± 230 B.P.
15,880 B.C.

Smithsonian Institution
Radiocarbon Laboratory
Radiation Biology Laboratory
12441 Parklawn Drive
Rockville, Md., 20852

SI-2349

Rec'd:

Site name: Lagoado dos Fósséis Site number: RS-I-1
Exact site location: Alegreta, Rio Grande do Sul, Brasil RS-I-50B
Latitude: S 29° 30' Longitude: W 55° 45'
Cultural and/or time range of site: Paleontology and geology below
the PaleoIndian horizon.

Sample material: Compacted carbon (fossilization beginning -?).
Genus and species: Sample No. RS-I-1 - No. 2

Identified by:

Geological/chemical environment of sample: Banks of river have been
flooded repeatedly ~~depositing~~ depositing fine mud.

Evidence of leaching or humus: Not visible

Evidence of contamination or root penetration: None visible

Field packaging: Elastic Bag

Preservative or fungicide: None used

Excavation coordinates and stratigraphic position:
Base of the fossiliferous level at 4.30 meters from surface.
See comments on sample No. 1 from same exposed river bank.

Feature number and description:
On side of exposed bank at low water level in dry season.

Associated cultural materials:
Antine Paleofauna of Pleistocene

Estimated age and basis: Geological estimates based on comments for Sample
1 should be 1000 - 2000 years older than Sample 1. Hence guess of 12,000 B)

Importance of dating this sample: Control with sample 1 and ~~will~~ will
give paleoclimatological dating of area in relationship to the
fossiliferous level and below the PaleoIndian horizon. Requested by
geologist Darcy Closs in conjunction with the reconstruction of the
Paleoclimatology and Paleofauna of region.

Submitter and affiliation: Clifford Evans, Smithsonian Inst. Sept. 29, 1973

Collector and collection date: Enrico Th. Miller, Dec., 1972

Other dates from site, position and publication reference:
None; from area SI 801, PaleoIndian horizon above these levels.

Relevant publications:

Further comment:

Dates counted: 10/10 - 10/12/75

Age calculated: 17,830 \pm 230

15,880 B.C.

17,850 ± 190 BP
15,900 B.C.

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SI-2348

Rec'd:

Site name: Lagoado dos Fósseis Site number: RS-I-1
Exact site location: Alegrete, Rio Grande do Sul, Brazil RS-I-50C
Latitude: S. 29° 30' Longitude: W 55° 45'
Cultural and/or time range of site:

Paleontology and geology, below the PaleoIndian occupation.

Sample material: Compacted carbon (fossilization beginning ?)
Genus and species: Sample No. RS-I-1-No. 1.
Identified by:

Geological/chemical environment of sample:
Banks of river have been repeatedly flooded with fine mud.

Evidence of leaching or humus: Not with sample.

Evidence of contamination or root penetration: Not visible.

Field packaging: Plastic

Preservative or fungicide: None used.

Excavation coordinates and stratigraphic position:
Dept. of 3.50 meters from surface, or if viewed upward in cut.
80 cm above the heavily fossilized layer with extinct
Pleistocene Fauna, below the PaleoIndian levels.

Feature number and description:
On side of exposed bank at low water level in dry season.

Associated cultural materials: Extinct Paleofauna, Pleistocene

Estimated age and basis: Geological estimates and extrapolating backward
from SI-801 of 12,770, the PaleoIndian Horizon,

Importance of dating this sample: guess at 20,000 years BP.
Paleoclimatological dating of area in relationship to the
fossiliferous level and below the PaleoIndian horizon with
chipped stones. Requested by Prof. Darcy Gless in conjunction
with reconstruction of paleoclimatology of region.
See also Sample 2 from 4.30 meter depth in same bank.

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Submitter and affiliation: Clifford Evans, Smithsonian Institution
Sept. 29, 1973

Collector and collection date: Eurico Th. Miller, Museu Arqueológico
do Estado do Rio Grande do Sul, Dec, 1972.

Other dates from site, position and publication reference:

None

From area see SI 501 for PaleoIndian horizon above these levels.

Relevant publications:

None;

Further comment:

Dates counted: 10/3 - 10/6/75

Age calculated: 17,850 \pm 190

15,900 B.C.

SMITHSONIAN RADIATION BIOLOGY LABORATORY
RADIOCARBON DATING SECTION
Washington, D. C. 20560

SAMPLE INFORMATION SHEET

SI- PASSED BY DATE REC'D IN PRIORITY
SCREENING COMMITTEE RADIOCARBON LAB.

INSTRUCTIONS: COMPLETE ITEMS BELOW. SUBMIT ORIGINAL AND ONE COPY WITH SAMPLE TO ABOVE ADDRESS.

SUBMITTED BY: NAME AND ADDRESS Clifford Evans - Smithsonian Institution Programa Nacional de Pesquisas Arqueologicass		AFFILIATION	PHONE	DATE SUBMITTED July, 1968
COLLECTED BY: NAME Eurico Th. Miller		AFFILIATION Museu Arqueológico do Rio Grande do Sul, Brasil	SAMPLE IDENT. No. 974	DATE COLLECTED maio, 1968
FIELD PACKAGING: <u>saco plástico</u>		PRESERVATIVE: <input type="checkbox"/> YES, SPECIFY _____ <input checked="" type="checkbox"/> No		
SITE INFORMATION: NUMBER <u>RS-T-50</u>		LATITUDE	LONGITUDE	
NAME <u>Lajeado dos Fósseis</u>		29°35' S	55°42' W	
COUNTY _____				
PROVINCE <u>Mun. Alegrete</u>				
STATE <u>Rio Grande do Sul</u>				
COUNTRY <u>Brasil</u>		RELEVANT PUBLICATIONS: não há		

CULTURAL AND/OR TIME RANGE OF SITE:

complexo Itaqui - não cerâmico

PREVIOUS DATES FROM THIS SITE, THEIR STRATIGRAPHIC POSITION AND REFERENCE: (SUBMIT CROSS-SECTIONAL DIAGRAM FOR GREATER CLARITY)

veja esboço

SAMPLE MATERIAL: CHARCOAL WOOD SHELL BONE (fóssil)
WGT. 530 GM. OTHER - SPECIFY: 1/2 amostra, o demais a disposição no museu

GENUS AND SPECIES ossos fósseis de Paramilodon(?) IDENTIFIED BY: _____
FURTHER REMARKS ON NATURE OF SAMPLE

SAMPLE INFORMATION: DEPTH BELOW PRESENT SURFACE <u>veja esboço</u>	EXCAVATION COORDINATES AND STRATIGRAPHIC POSITION <u> corte A (junto à baranca)</u>	FEATURE NUMBER AND DESCRIPTION
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ASSOCIATED CULTURAL MATERIALS <u>fauna Pleistocênica extinta e associada à lascas e choppers do complexo Itaqui</u>	EXPECTED AGE AND ON WHAT BASIS <u>7 - 10,000 B.C.</u>
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IMPORTANCE OF OBTAINING DATE ON THIS SAMPLE: (ENCLOSE ADDITIONAL PAGES IF NECESSARY)

Primeira amostra do Rio Grande do Sul em associação com Fauna Pleistocênica e líticos do complexo Itaqui (pré-cerâmico). Should compare with Alto Paraense Biface culture, SI 440 of 7250 ± 100 years. Amostra extremamente significativa e facilmente pode ser obtida e outra 1/2 amostra guardada no Brasil com o coletor.

See Sample 951 - charcoal of same cultural horizon and same general area.