Raman spectroscopy for the mineral identification of precolumbian lapidary products in Basse-Terre (Guadeloupe, French West Indies)
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Many archaeological sites have yielded mineral beads and pendants in the Lesser Antilles during the past decades. These special artifacts have been the basis of numerous hypothesis regarding networks and even sociopolitical organization. Nevertheless, it remains actual that, as Roobol & Lee (1976) already pointed out, precious greenstone attribution could provide an estimate of inter-remains actual that, as Roobol & Lee (1976) already pointed out, precious greenstone attribution could provide an estimate of inter-remains actual that, as Roobol & Lee (1976) already pointed out, precious greenstone attribution could provide an estimate of inter-remains actual that, as Roobol & Lee (1976) already pointed out, precious greenstone attribution could provide an estimate of inter-remains actual that, as Roobol & Lee (1976) already pointed out, precious greenstone attribution could provide an estimate of inter-

- Large diversity of minerals
- Exotic minerals dominant
- High input from Raman spectroscopy to greenstones determination
- It remains difficult to source these materials due to lack of referentials and geologic knowledge of the Caribbean region
- Comparison with other sites shows differences in proportions and a need for greenstone precise attribution by non-invasive means
- Techniques involved in drilling such quartz beads remain unknown in this archaeological context missing metal and very hard minerals
- Variety of importation stages and local production

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<th>Mineral</th>
<th>Quartz</th>
<th>Amethyst</th>
<th>Serpentine</th>
<th>Fuchsite</th>
<th>Turquoise</th>
<th>Calcite</th>
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<tbody>
<tr>
<td>Present</td>
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<td>rare</td>
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Romon (2006). Fouille préventive de la Gare Maritime de Basse-Terre (Guadeloupe). Basse-Terre, Guadeloupe

Chronological framework for Lesser Antilles

- Preceramic Age or Mesoinian
- Ceramic Age or Neoinian
- Historic Period