

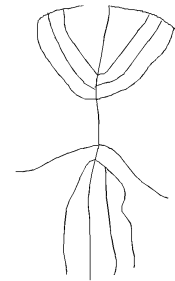
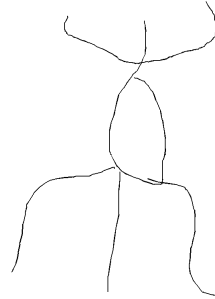
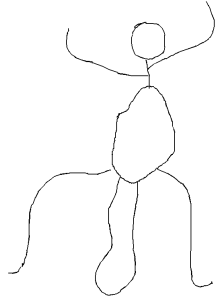
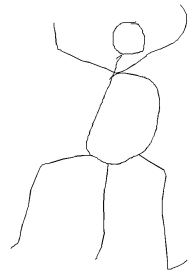
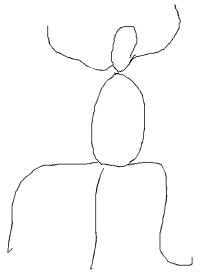
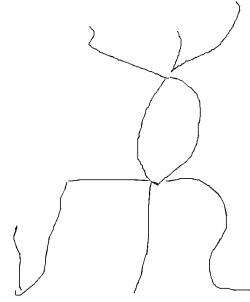
Data

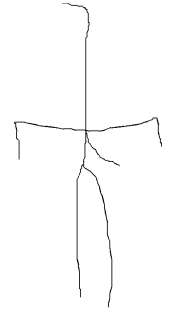
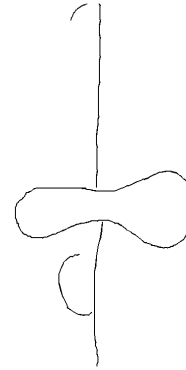
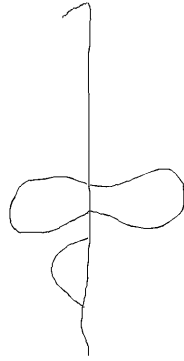
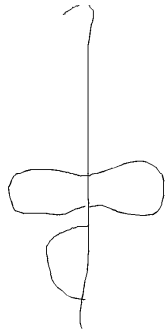
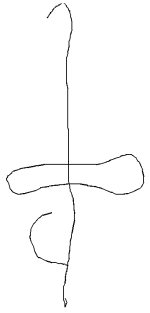
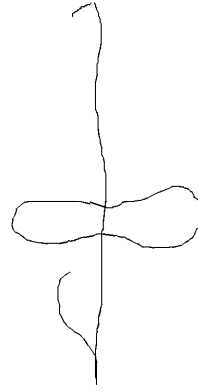
- **143** raw petroglyph images
- Ask **4** volunteers to draw the trace for each petroglyph
- Ask **3** volunteers (other than the above 4) to draw traces for **12** images (**5** with same petroglyphs in the above dataset, **7** not)
- Find **5**-NN for these **3*12** traces

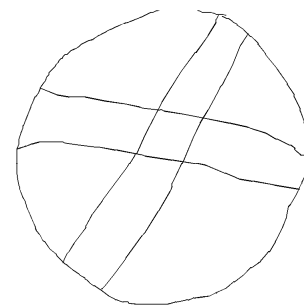
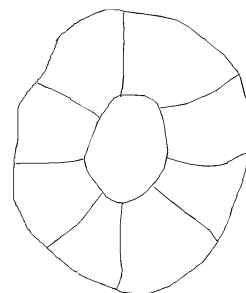
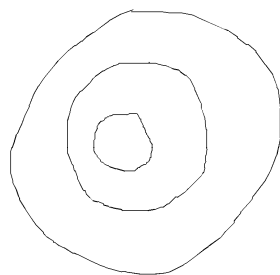
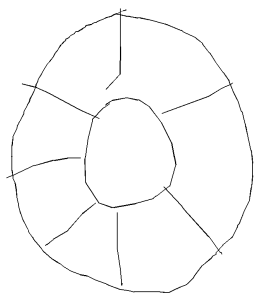
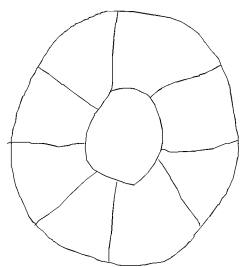
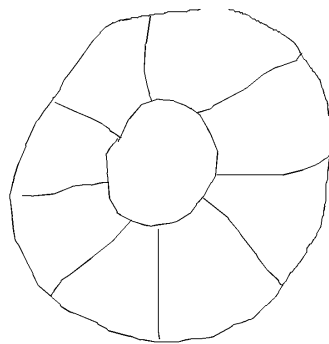
Each page shows:

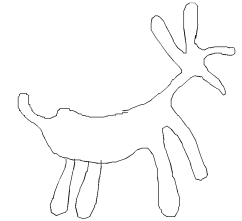
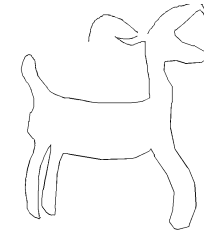
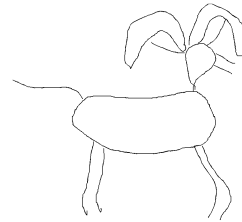
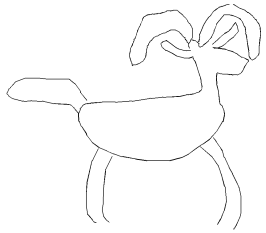
- Query image and its trace
- 5NN (traces and raw images)

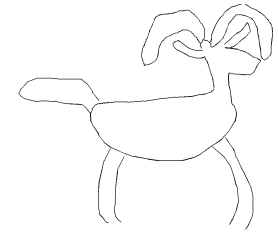
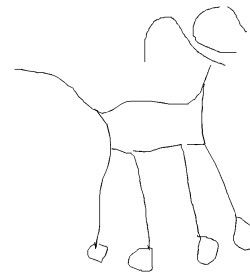
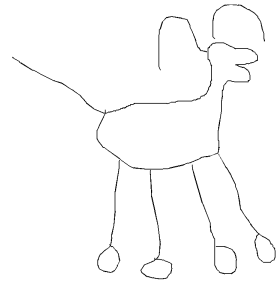
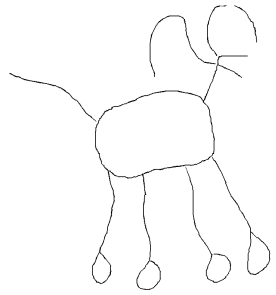
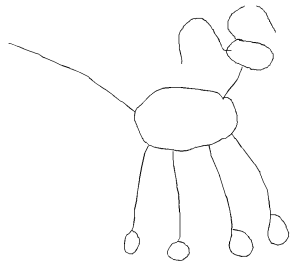
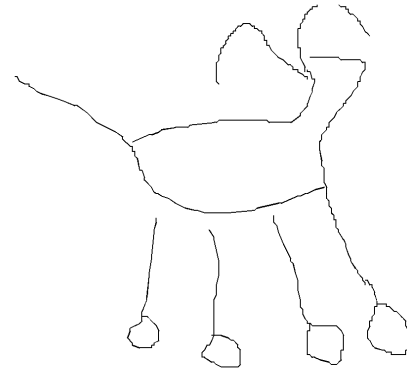
5 images in the dataset



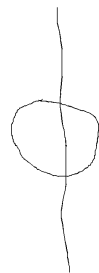
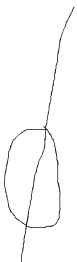
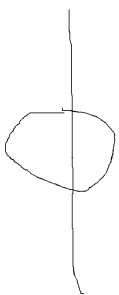
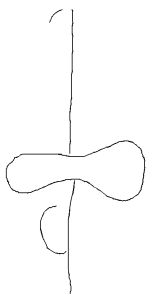


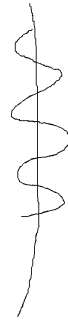
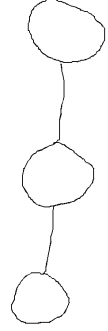
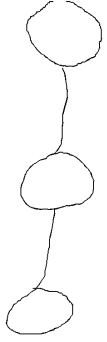


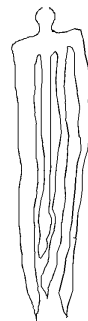
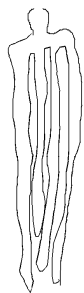
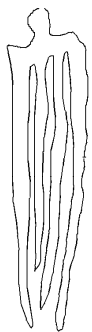
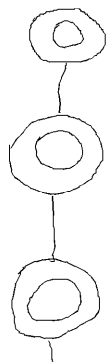


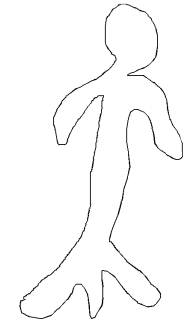
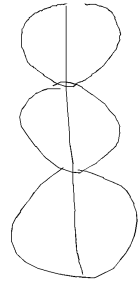
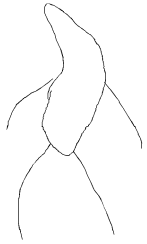
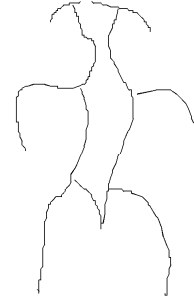


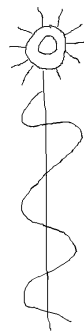
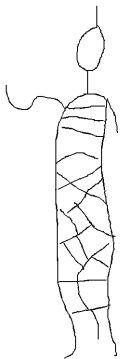
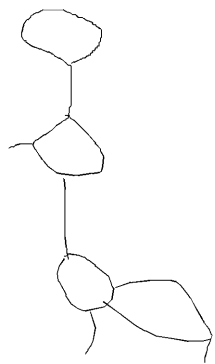
7 images not in the dataset

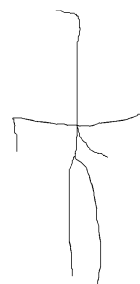
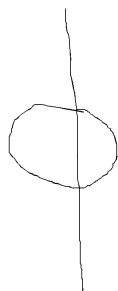
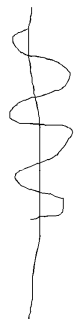
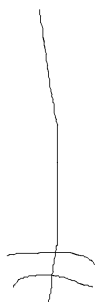
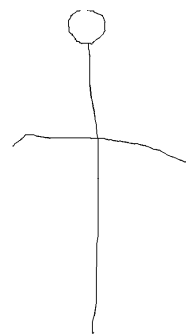


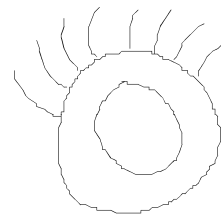
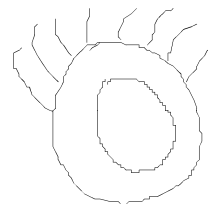
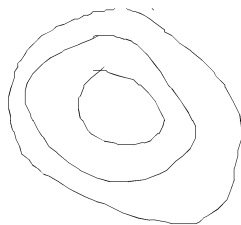
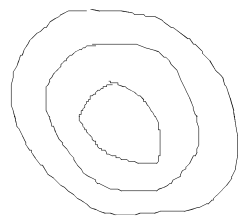
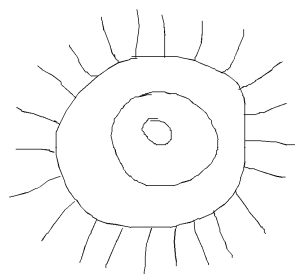
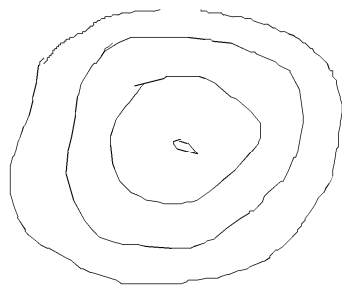












- Similar results for queries from other two volunteers
- Especially for the 5 images in the dataset:
 - 3*5 such query traces
 - 11 of them find all 4 correct traces as their 4NN
 - remaining 4 at least find 3 traces in their 5NN (only miss one)