

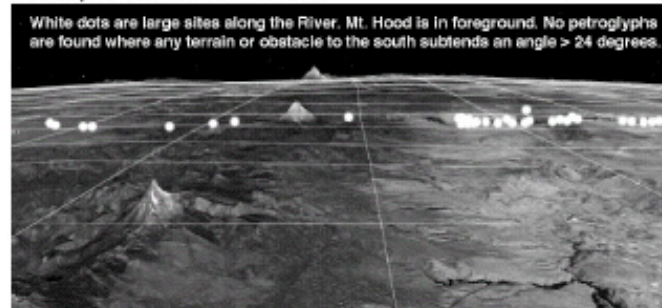
INTENSE PREHISTORIC AURORAL Z-PINCH RECORDINGS: SURVEYS OF COLUMBIA RIVER GORGE AND SOUTH AUSTRALIAN PETROGLYPHS

Anthony L. Peratt*, *Fellow IEEE*
Los Alamos National Laboratory
Los Alamos, NM 87545 USA

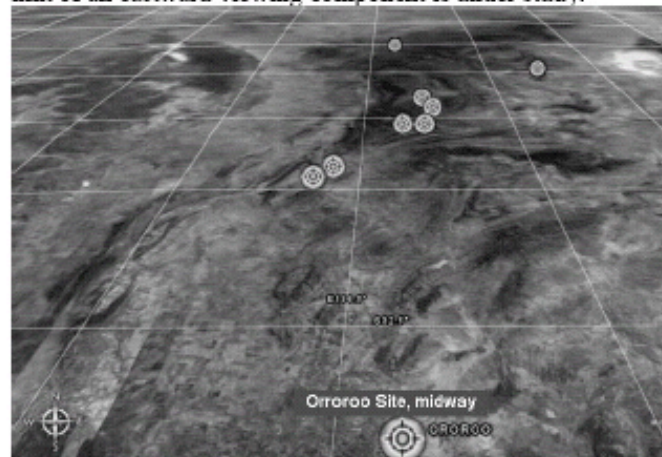
John McGovern
Institute for Epigraphic and Aboriginal Recordings
Georgetown, South Australia 5472

Carol Pedersen
Oregon Branch, Columbia River Gorge Survey Project
Portland, Oregon 97006 USA

The mapping of an auroral polar horn and Z-pinch column from an intense prehistoric solar outburst requires the surveying of petroglyphs world-wide. Here, we report preliminary results from GPS and inclination-off-horizon angle surveys from both the northern and southern hemispheres; tens of thousands of petroglyphs located in the regions of the Columbia River Gorge and South Australia. At 121°W , 45.6°N , the field of view is polar south with an intense synchrotron aperture demarcation (southerly object or terrain) of $23\text{-}28^{\circ}$ off horizon.



South Australia is under heavy survey along the Mt. Lofty-Flinders Ranges, 138°E , 34°S . Shown are the northern-most surveyed sites. All sites are along open south ranges but some hint of an eastward viewing component is under study.



*University of Pennsylvania Museum of Archaeology and Anthropology, Philadelphia PA 19104, USA.