

UNIVERSITY OF THE
WITWATERSRAND,
JOHANNESBURG



Professor Jonah N Choiniere
Reader in Dinosaur Palaeontology

February 28, 2017

RE: Report on findings from ESRF Experiment ES-2404

Dear ESRF Committee,

This brief report summarizes our findings on experiment ES-404, the scanning of the small-bodied ornithischian dinosaur *Heterodontosaurus tucki* from South Africa.

This specimen was exceptionally difficult to scan due to dense metallic oxide inclusions that completely covered the bones of the animal. It has taken Dr Vincent Fernandez of the ESRF nearly six months to custom-design a reconstruction technique which will eliminate these artefacts and enable a digital reconstruction.

The data will be used in the Honours research of Mr Viktor Radermacher (under the supervision of Professor Jonah Choiniere), as well as in a collaborative project with Prof John Hutchinson of the Royal College of Veterinary surgeons, UK.

An updated report will be issued once processing is complete at the end of 2017.

Sincerely,

Jonah Choiniere