

AREA
CA
MONO
Pisgah &
MONO

GL03182 1 of 2

UNIVERSITY OF UTAH
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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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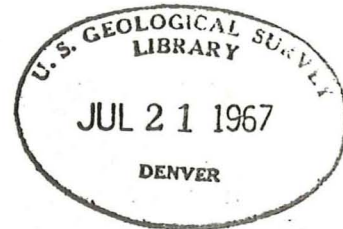
TECHNICAL LETTER: NASA-13 (Supplement)

13A

Infrared spectral emittance of rocks
from the Pisgah Crater
and Mono Craters areas, California*

by

D. L. Daniels**



June 1967

This report is preliminary and has not been
edited or reviewed for conformity with U. S.
Geological Survey standards.

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**U. S. Geological Survey, Washington, D. C.

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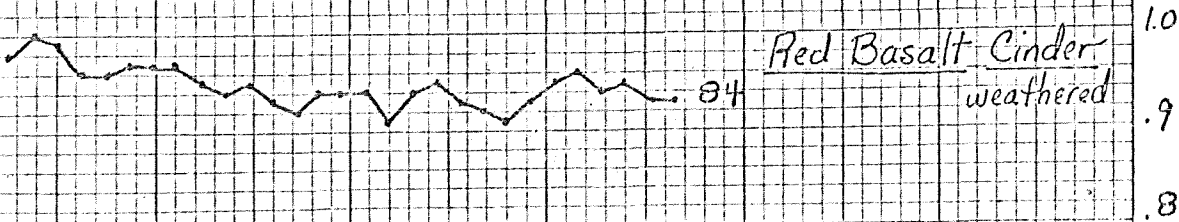
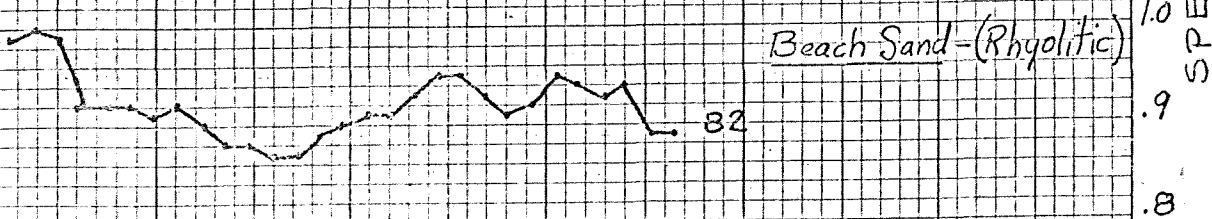
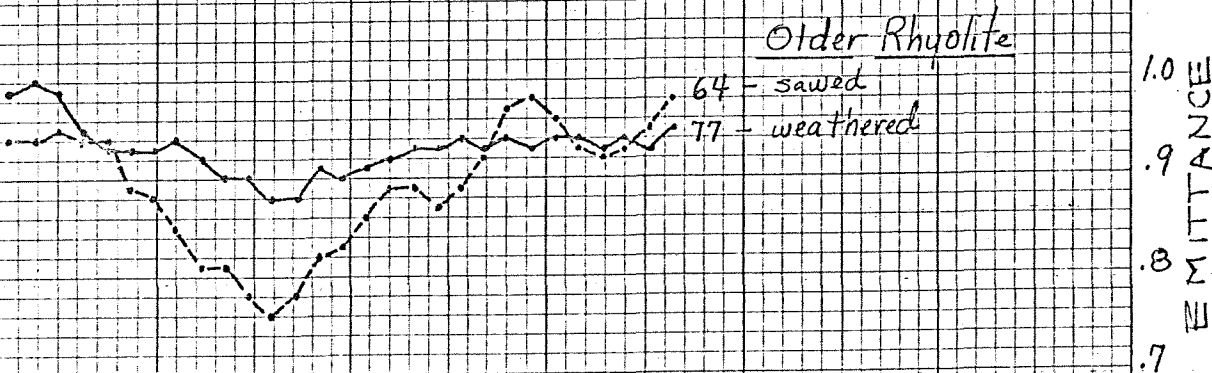
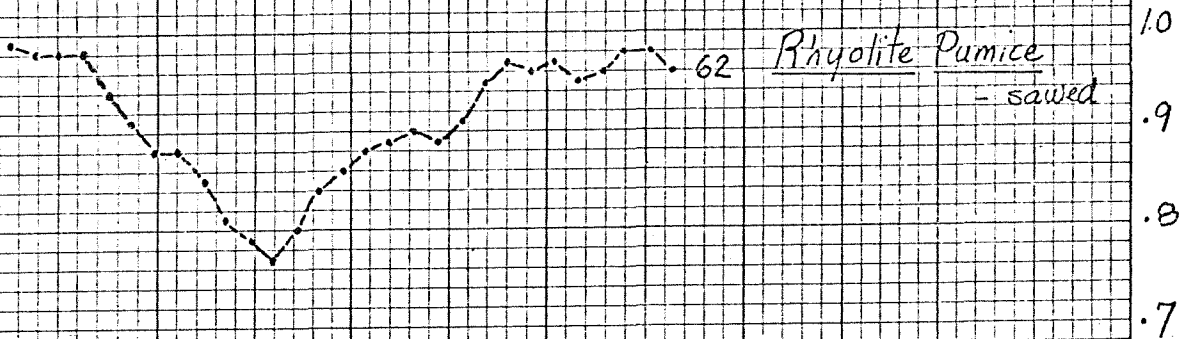
by

D. L. Daniels

Spectral emittance curves were previously obtained for samples from the Pisgah Crater and Mono Craters areas, California and were presented in Technical Letter NASA-13 (TL-13). The data in TL-13 were plotted in the form ϵ_{λ} vs wavelength in microns. For convenience of comparison of these curves with data obtained by other experimenters, we have replotted our curves in the form ϵ_{λ} vs wavelength in cm^{-1} , which are contained in this supplement to TL-13.

Emitance Spectra - Rocks from MONO CRATERS Area

data from U.S. Geol. Survey, Tech. Letter NISA-13



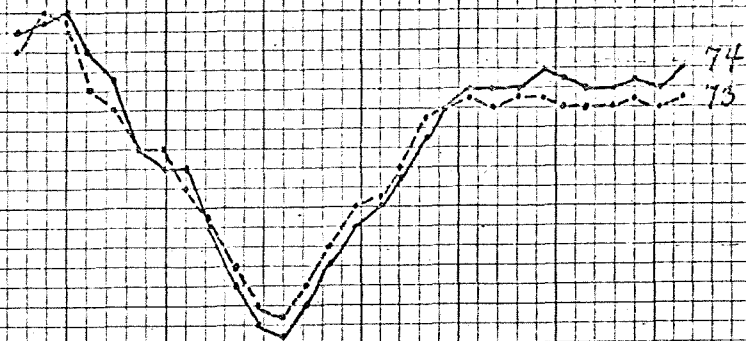
1300 1200 1100 1000 900 800 700

WAVENUMBER (cm⁻¹)

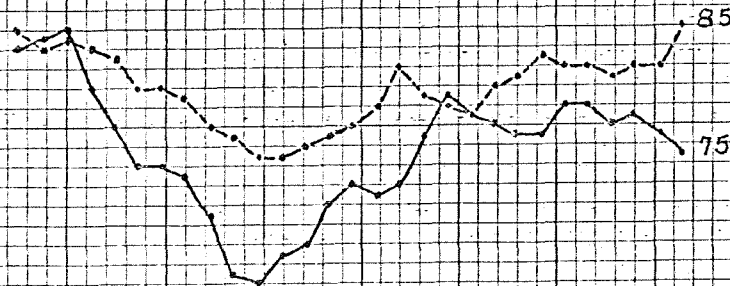
1.0
.9
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Emittance Spectra - Rocks from Mono Craters Area
 data from U.S. Geol. Survey Tech. Letter NASA-13

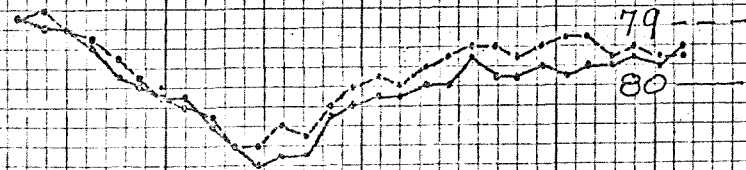
Obsidian
 - broken surface



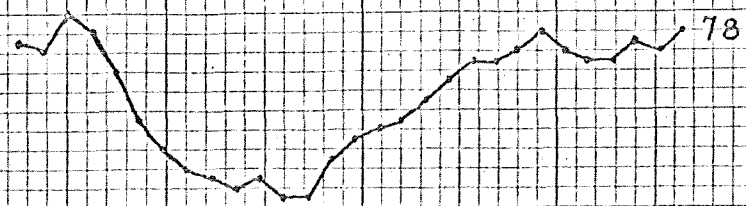
Rhyolite Pumice
 - weathered



Bishop Tuff - weathered
 upper unit
 welded middle unit



Quartz Monzonite
 weathered



SPECTRAL EMITTANCE

WAVENUMBER (cm⁻¹)

