



5 km

Explanation for ASTER Mineral Group Map

Band 6 and 8 absorption:
Al-OH minerals (e.g. clays, sericite,
and/or sulfates) +/- minor CCEA +/- dry vegetation,
including detrital laterites/ferricrete
with low-albedo, possible desert varnish
Dark red = sparse vegetation +/- Al-OH minerals

Orange = sparse dry vegetation
and/or CCEA +/- minor clay/sericite
and lacustrine deposits)

Band 8 absorption:
carbonates, chlorite, epidote,
amphiboles (CCEA);
carbonates more likely yellow to
greenish yellow, chlorite/epidote/
amphibole more likely green (strong
band 4 absorption due to ferrous iron)

High-albedo surfaces,
including eolian sand, fluvial,
and sebkha (playa) deposits that
often contain ferric iron,
clays, sericite, and/or
evaporites such as gypsum

Band 6 absorption:
Al-OH minerals,
including clays,
sericite, sulfates

Low-albedo and/or
shadowed surfaces
devoid of substantial
Al-OH or CCEA minerals

ASTER – 468/RGB