Thanks, Ben.
Yep, I added the endaccess call, but still no luck.
The data I'm working with are LAADS-subsetted L1B 1km-resolution MODIS
data, obtained from ladsweb.nascom.nasa.gov
I'm using bands 31 and 32. I've tried it with many subsetted files
(even from different batches), but the same result occurs.
I'm not performing the channel subsetting myself, they are ordered as
subsetted files "from the factory" (at laads).

To answer your curiosity, I'm performing some important polar-specific
fine-tuning of the cloud masks before application.

Thanks again!
Alex.