USING MISR FULL SPATIAL RESOLUTION LEVEL 1B2 DATA TO CHARACTERIZE THE SAVANNAH ENVIRONMENT AROUND THE SKUKUZA CSIR RESEARCH SITE

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Abstract: The Multiangle Imaging SpectroRadiometer (MISR) instrument has been operating on the NASA Terra platform since February 2000, accumulating multiangular and multispectral observations globally and continuously for over 9 years, including over savannah ecosystems. Though much effort has been focused on processing and analyzing global or regional products at a spatial resolution of 1 km or coarser, relatively little has been done to take advantage of this extensive database to characterize savannah processes at the finer spatial resolution of this sensor (275 m). This paper will describe the instrument and data available at the nominal 'top of the atmosphere', and explore how analyzing these products for a limited region around a well instrumented and documented site in the Kruger National park can provide useful information on the state and evolution of this environment over the last decade.