ISOPHOT-S Observations of Evolved Stars

H. Walker[1] and I. Heinrichsen[2,3]

[1] CLRC, Rutherford Appleton Laboratory, Chilton, Didcot, Oxon, OX11 0QX, UK
[2] Max-Planck-Institut fuer Kernphysik, Saupfercheckweg 1, D-69117 Heidelberg, Germany
[3] ISO Science Operations Centre, Astrophysics Division of ESA, VILSPA, E28080 Madrid, Spain

Abstract

Low resolution ISOPHOT-S spectroscopy (2.5 – 5, 6 – 12 μm) has been used to observe several oxygen-rich and carbon-rich stars in order to gain information about the the composition of the dust present around these stars. Spectra of R CrB have been obtained, near minimum and about 10 months later, showing the change in the intensity of a plateau-like feature between 6 and 8μm.