

RECOMMENDATIONS TO NIRA COMMITTEE FOR USE OF JCAMP PROTOCOL

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Note: numbers referring to sections of the JCAMP-DX standard are taken from version 4.10 of the standard.

1. In order to avoid conflict with the use of the term ABSORBANCE to describe  $\log(1/T)$  measurements, data from near infrared reflectance instruments converted to JCAMP-DX form should be reported either as:

A. Reflectance, in which case specify:

##SAMPLING PROCEDURE=DIFFUSE REFLECTANCE      \$\$ (sec. 6.6.1)

B.  $\log(1/R)$ , then specify:

##SAMPLING PROCEDURE= LOG(1/R)      \$\$ (NOT ABSORBANCE)

C. Other form: ##SAMPLING PROCEDURE= should be as above, data transformations (e.g., derivatives) should be reported under ##DATA PROCESSING=

Other data transforms, e.g., Fourier transforms, might be describable in the same terms as interferograms: this needs to be investigated.

Preferably the ##YUNITS= specifier should match 1.A. or 1.B., as appropriate.

2. Recommend that NIRA users convert to JCAMP as follows:

##DATA TYPE= NEAR INFRARED SPECTRUM    \$\$ Sec 6.2.1; Bob MacDonald  
\$\$ recommended NEAR INFRARED SPECTRUM rather than INFRARED  
\$\$ SPECTRUM

##SAMPLING PROCEDURE= DIFFUSE REFLECTANCE    \$\$ Sec. 6.6.1  
##SAMPLING PROCEDURE= TRANSMISSION      \$\$ as appropriate