

28 March 1979

Addendum to Image Processing Information Packet

Accuracy of CalComp Plots

IUE Guest Observers are reminded that the CalComp plots of extracted spectra which are provided as part of the GO data package are of only finite accuracy. The present IUE production CalComp hardware is capable of producing plots with a precision of approximately ± 0.5 percent, and so the plots delivered to GO's cannot be guaranteed to be accurate beyond this limit. In practical terms, this means that scale or registration errors of about one small grid unit (0.05 inch) can be encountered over distances of 10 inches. GO's who attempt to exceed this stated tolerance in interpreting their CalComp data do so at their own risk.

The transition to new plotter hardware scheduled to occur over the summer should improve the precision of the delivered plots, although it is to be emphasized that the CalComp plots have never been intended to be the definitive data display medium. The primary source of reduced data remains the GO tape, from which any or all portions of the data may be extracted or displayed, and GO's are strongly encouraged to use the data on these tapes to produce their own plots whenever possible.

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