

REVISION OF THE ABSOLUTE CALIBRATION
OF THE LWP CAMERA IN LOW DISPERSION

A provisional absolute calibration curve for the LWP camera in low dispersion, together with a brief description of the procedure used to derive it, has been presented in previous IUE Newsletters (ESA IUE Newsletter No. 15, November 1982, p. 38 and NASA IUE Newsletter No. 21, May 1983, p. 62). It should be noted, however, that this curve suffers from inaccuracies at the extreme short and long wavelength ends due to the use of some truncated spectra in its derivation. The calibration has since been completely revised, using the same procedure, and the new curve is given here with a table of S_{λ}^{-1} values binned at 50 A intervals.

In the range 1950-3150 A inclusive the S_{λ}^{-1} values are almost unchanged. The few per cent differences that do occur are due to binning at 50 A intervals instead of at 25 A and the use of 4 more standard-star spectra in the later derivation. Outside this range the differences reflect the improvements obtained in the revised calibration. The 3350 A value is a linear extrapolation from the 3250 and 3300 A points.

A detailed account of the calibration procedure is in preparation for publication elsewhere. The revised version presented here will be installed in IUESIPS at VILSPA shortly.

A. Cassatella
A.W. Harris

CALIBRATION FOR THE LONG WAVELENGTH
PRIME CAMERA (LWP) IN LOW RESOLUTION

λ (A)	S_{λ}^{-1} *
1850	16.24
1900	6.19
1950	3.11
2000	2.42
2050	2.04
2100	1.98
2150	2.00
2200	1.98
2250	1.80
2300	1.50
2350	1.27
2400	1.04
2450	.879
2500	.741
2550	.630
2600	.578
2650	.514
2700	.503
2750	.502
2800	.502
2850	.552
2900	.566
2950	.652
3000	.795
3050	1.08
3100	1.48
3150	2.17
3200	3.35
3250	5.72
3300	10.59
3350	15.46**

** extrapolated value

* The units for S_{λ}^{-1} are: 10^{-14} ergs cm^{-2} A^{-1} FN^{-1}