I. LIST OF THE SCHMIDT PLATES

The Kiso 105 cm Schmidt telescope of the Tokyo Astronomical Observatory has been regularly operated since 1977, after a test observation period of about two years. A general description of the telescope is given by Takase et al. (1977, Reference 2).

Plate data have consecutively been compiled into a magnetic tape (9-track 800 BPI) catalogue (Noguchi et al., 1978, Reference 22). Fundamental items of the first 2000 plates are given in Table 1 which are printed out of the catalogue.

Explanation of each column of the Table is as follows:

(1) PLATE: Plate number with a heading letter which indicates the plate size.
L=35.6 cm (14″)×35.6 cm, S=24 cm×24 cm, D=16 cm×16 cm, T=10.8 cm×8.3 cm.

(2) (B) YMDHMS: Beginning of exposure in Japan standard time which is UT+9^h.
Y=year, M=month, D=day, H=hour, M=minute, S=second.

(3) AREA: Celestial area number (see Table 2).

(4) RA(A) DEC(A): Right ascension α and declination δ of the actual telescope direction at the observation time. Coordinates of the plate center of a specified celestial area referred to the 1950.0 equinox is corrected for precession, refraction, and the prism offset angle to give the actual α and δ values.

For example $12{:}34.5 = 12^h34^m5$ and $+034{:}56 = +34°56'$.

When the telescope is pointed to the direction lower than the north pole, the value of $180° - \delta$ is given as DEC(A).

For the plates Nos. 1–738, the listed RA(A) and DEC(A) are the calculated values which include the correction for precession only.

(5) PRISM: Prism data (the column being blank when no prism was used).
For example 2DA+ =2 degree prism was used with its vertex direction toward positive α,
and 4DD− =4 degree prism was used with its vertex direction toward negative δ.

(6) EMUL: Emulsion type (see Table 3).

(7) EXP: Exposure time in minutes.

(8) FILTER: Filter name (see Table 4).

(9) IWDS: Estimated plate quality (the columns being blank when no estimation has been made).

Item \ Rank	A	B	C
I =Image shape	circular	elliptical	elongated
W=Wedge density	proper	under	over
D=Development	uniform	slightly patched	largely patched
S=Surface quality	flawless	specked	cracked

(10) C: Condition of the plate.
N=normal, B=broken, M=missing (including the case where the plate number was skipped because of the miscontrol of the count).

As our policy the Schmidt plates are kept in a collective custody of the Kiso observatory and are prohibited to take out, although the priority to avail the plate belongs to the persons who are responsible for the observation program at least for a few years. Those who are interested in the listed plates may apply to study them at the observatory or to obtain film copies of them. Application form is sent upon request.