

Summary of discussions held at McMath-Hulbert Observatory
on December 6th on the subject of the proposed instrument
for Manila Observatory

About
Dec. 26
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The following people participated:

Dr. McMath
Dr. Moeller
Fr. R. Miller, S. J.
P. Kaestner
R. Wight

McMath-Hulbert Observatory
McMath-Hulbert Observatory
Manila Observatory
J. W. Fecker, Inc.
J. W. Fecker, Inc.

In an effort to arrive at a proper understanding of the problems involved in the proposed spectrohelioscope-spectroheliograph for Manila Observatory, J. W. Fecker, Inc. representatives visited McMath-Hulbert Observatory for a discussion covering both the original proposed system and the revised arrangement suggested by J. W. Fecker, Inc. The following points were covered:

1. McMath-Hulbert representatives stated that a horizontal coelostat-telescope would not be satisfactory. They strongly suggested a vertical arrangement as shown in Fecker's proposed design except that they object to an on-axis system because of turbulence caused at the secondary. In the light of these objections, Fecker agreed that an off-axis system would be advantageous.
2. McMath-Hulbert representatives stated that their telescope has an off-axis angle of about 6 degrees. Fecker representatives pointed out that such an off-axis angle would exceed Rayleigh limits for focal shift caused by the angle between the image plane and the center line of the off-axis bundle of light for an F20 system covering the large field of view required. Subsequent calculations reveal that a 6 degree angle would meet this criteria for a total image size of about 1 1/2 inches in

O.K.

how
much
does
it
matter