Figure 4.13 (next page): Rotation sequence of comet Hale-Bopp. Sequence of IRTF 10.3- $\mu$  images of the comet indicating its rotation period, taken during 4 to 12 Apr 1997. Two days of MIRLIN images were phased together to create the 39-image sequence. The rotational phase of the image is noted in white in each frame. About a week later, we obtained MIRAC images and were able to match the phase with the earlier sequence, as shown. The period is  $11.3 \pm 0.03$  hr.

0.209 0.535 <- MIRAC2 Image 0.429 0.663 0.77 Fernandez et al. 1998 NASA/IRTF: MIRLIN (4-5 Apr), MIRAC2 (12 Apr). P=11 h, 18 min +/- 3 min 0.149 0.410 0.528 0.647 0.751 0.25 <- MIRLIN Sequence 0.506 0.390 0.640 0.732 C/1995 01 Hale—Bopp. Rotation Period, 4 - 12 Apr 1997. 0.110 0.340 0.626 0.706 0.497 0.851 0.488 0.618 0.687 0.091 0.321 0.250 0.468 0.582 0.687 0.812 0.071 0.449 0.232 0.666 0.547 0.051 0.791