

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.

C/1995 O1 Hale-Bopp. Rotation Period, 4 – 12 Apr 1997. Fernandez et al. 1998  
 NASA/IRTF: MIRLIN (4–5 Apr), MIRAC2 (12 Apr). P=11 h, 18 min  $\pm$  3 min

