



# CRAB NEBULA

In the Crab Nebula, a rapidly rotating neutron star, or pulsar (white dot near the center), powers the dramatic activity seen by Chandra. The inner X-ray ring is thought to be a shock wave that marks the boundary between the surrounding nebula and the flow of matter and antimatter particles from the pulsar. Energetic particles move outward to brighten the outer ring and produce an extended X-ray glow. The jets perpendicular to the ring are due to matter and antimatter particles spewing out from the poles of the pulsar. The fingers, loops and bays visible on the outer boundary of the nebula are likely caused by confinement of the high-energy particles by magnetic forces.

## MARCH 2009

Su	Mo	Tu	We	Th	Fr	Sa
01	02	03	☾ 04	05	06	07
08	09	10	● 11	12	13	14
15	16	17	☾ 18	19	20	21
22	23	24	25	○ 26	27	28
29	30	31				