**Description about FITS images**

* q1.jpeg— Appearance: Dense star field with multiple bright point sources scattered across the frame, including a few very bright ones and faint diffuse background regions.

Interpretation: Likely a rich star cluster or a crowded galactic field with scattered nebulosity or dust lanes. Confidence: medium-high.

* q2.jpeg — Appearance: Smooth, offset bright Gaussian-like blob with low background noise.

Interpretation: Possibly an isolated emission region such as a compact nebula or unresolved star cluster. Confidence: medium.

* q3.jpeg — Appearance: Prominent dark, irregular-shaped cloud seen in silhouette against a brighter background with scattered stars visible around it .

Interpretation: Likely a dark nebula or dense molecular cloud obscuring background starlight. Confidence: high.

* q4.jpeg — Appearance: Extended diffuse emission across the frame with multiple small bright clumps.

Interpretation: Could indicate a star-forming region or a diffuse nebula with embedded sources. Confidence: medium.

* q5.jpeg — Appearance: Bright , roughly circular central emission region with diffuse outer layers and several embedded or nearby stars.

Interpretation: Likely a compact emission or reflection nebula with central brightening. Confidence: medium.

* q6.jpeg — Appearance: Several isolated point sources dispersed over a faint background.

Interpretation: Likely a star field or a sparse star cluster. Confidence: medium.

* q7.jpeg — Appearance: Bright central core with two prominent, well defined spiral arms forming a symmetric swirl pattern; numerous bright knots visible along the arms .

Interpretation: Typical face-on spiral galaxy with active star-forming regions in the arms. Confidence: high.

* q8.jpeg — Appearance: Nearly circular bright object with a smooth glowing structure, surrounded by faint diffuse edges and scattered background stars.

Interpretation: Likely a planetary nebula, showing a bright ionized gas shell around a central star. Confidence: high.

* q9.jpeg — Appearance: Bright, lens-shaped structure with a large central bulge and a dark dust lane running across its middle; faint halo visible around the main disk.

Interpretation: Edge-on spiral galaxy (disk galaxy) showing prominent dust band and central bulge. Confidence: high.

* q10.jpeg — Appearance: Bright, irregular patch of diffuse light surrounded by scattered stars; lacks clear symmetry or structure, slightly overexposed at the center.

Interpretation: Likely a diffuse nebula or region of overexposed emission. Confidence: medium.

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