# **Explore the Universe Certificate Program – Application**

Congratulations on completing the Explore the Universe Certificate Program! In order to receive your certificate, please complete this form and submit it as follows:

| For RASC Members of Local Certification Centres   | For Unattached Members, Members of National Certification Centres, or Non-RASC Observers   |
|---|--|
| If your local RASC Centre is a sponsor of the Explore the Universe Certificate you may submit this application form to a representative of your local Observing Group or to a member of your local Executive. Your local Centre will present the certificate to you. Consult your local Website or Newsletter for more details. | Forward your completed application form to:  Chair, Observing Committee Royal Astronomical of Society of Canada 7102 Wascana Cove Dr Regina SK S4V 3G1 Email to observing20010@rasc.ca |

#### Affidavit:

| l, _           | do attest to the following:   |
|----------------|---|
| 1.<br>2.<br>3. | I have found and described all of the objects listed below myself. I have not used a computerized "go-to" telescope to meet the requirements outlined in the program. I have completed the required number of observations for each section of the program. |
|                | (yyyy-mm-dd)  |
| Da             | te  |
| Au             | thentication:   |
|                | eclare that this form has been filled out completely and correctly and that the above-named observer s qualified for the <i>Explore the Universe Certificate</i> of The Royal Astronomical Society of Canada.   |
|                | (yyyy-mm-dd)  |
| Da             | te  |
| Na             | me RASC Centre  |



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### Constellations and Bright Stars – 12 of 24

| #  | Constellation | Bright Star | Bright Star <sup>1</sup> | Date | Time |
|----|---------------|-------------|--------------------------|------|------|
| 1  |               |             |                          |      |      |
| 2  |               |             |                          |      |      |
| 3  |               |             |                          |      |      |
| 4  |               |             |                          |      |      |
| 5  |               |             |                          |      |      |
| 6  |               |             |                          |      |      |
| 7  |               |             |                          |      |      |
| 8  |               |             |                          |      |      |
| 9  |               |             |                          |      |      |
| 10 |               |             |                          |      |      |
| 11 |               |             |                          |      |      |
| 12 |               |             |                          |      |      |

<sup>1.</sup> Only required if more than one bright star is listed for a constellation.

| Observing Notes |
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### Phases of the Moon / Orbital Motion – 4 of 8

| # | Phase / Orbital Motion <sup>1</sup> | Date | Time | Description |
|---|-------------------------------------|------|------|-------------|
| 1 |                                     |      |      |             |
| 2 |                                     |      |      |             |
| 3 |                                     |      |      |             |
| 4 |                                     |      |      |             |

<sup>1.</sup> Orbital motion is an optional observation to replace New Moon, which is not visible.

| Observing Notes |  |
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# Lunar Basins / Maria - 6 of 12

| # | Lunar Basins / Maria | Date | Time | Instrument |
|---|----------------------|------|------|------------|
| 1 |                      |      |      |            |
| 2 |                      |      |      |            |
| 3 |                      |      |      |            |
| 4 |                      |      |      |            |
| 5 |                      |      |      |            |
| 6 |                      |      |      |            |

| Observing Notes |
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# <u>Lunar Craters – 6 of 12</u>

| # | Lunar Craters | Date | Time | Instrument |
|---|---------------|------|------|------------|
| 1 |               |      |      |            |
| 2 |               |      |      |            |
| 3 |               |      |      |            |
| 4 |               |      |      |            |
| 5 |               |      |      |            |
| 6 |               |      |      |            |

| Observing Notes |  |
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### Solar System – 5 of 10

| # | Planet / Other <sup>1</sup> | Date | Time | Instrument |
|---|-----------------------------|------|------|------------|
| 1 |                             |      |      |            |
| 2 |                             |      |      |            |
| 3 |                             |      |      |            |
| 4 |                             |      |      |            |
| 5 |                             |      |      |            |

<sup>1.</sup> Other solar system observations listed in the 5 of 10 selections list. This includes satellites & meteors, orbital motion of a planet, or sunspots.

| Observing Notes |  |
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# Deep-Sky Objects – 12 of 24

| #  | Deep-Sky Object | Date | Time | Instrument |
|----|-----------------|------|------|------------|
| 1  |                 |      |      |            |
| 2  |                 |      |      |            |
| 3  |                 |      |      |            |
| 4  |                 |      |      |            |
| 5  |                 |      |      |            |
| 6  |                 |      |      |            |
| 7  |                 |      |      |            |
| 8  |                 |      |      |            |
| 9  |                 |      |      |            |
| 10 |                 |      |      |            |
| 11 |                 |      |      |            |
| 12 |                 |      |      |            |

| Observing Notes |  |
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### <u>Double or Multiple Stars – 10 of 20</u>

| #  | Double or Multiple Stars | Date | Time | Instrument | P.A. Check <sup>1</sup> |
|----|--------------------------|------|------|------------|-------------------------|
| 1  |                          |      |      |            |                         |
| 2  |                          |      |      |            |                         |
| 3  |                          |      |      |            |                         |
| 4  |                          |      |      |            |                         |
| 5  |                          |      |      |            |                         |
| 6  |                          |      |      |            |                         |
| 7  |                          |      |      |            |                         |
| 8  |                          |      |      |            |                         |
| 9  |                          |      |      |            |                         |
| 10 |                          |      |      |            |                         |

<sup>1.</sup> Position angle checks are an optional, but recommended, way to confirm that you are observing the correct double star.

| Observing Notes |  |  |
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# Additional Observing Notes<sup>1</sup>

| Observing Notes |
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<sup>1.</sup> Blank page for additional observing notes if needed. This page may be photocopied.

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# Optional Observations<sup>1</sup>

| Observing Notes |
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<sup>1.</sup> Blank page for recording optional observations. This page may be photocopied.

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