

Observation Plan Sheet

Night-Sky Brightness Measurement

Group members: _____

Observation location: _____

Date of observation: _____

1. Measurement Setup

Light detector used:

- ☐ TUNIOT light detector
- ☐ SQM meter
- ☐ other: _____

ThingSpeak channel name or ID: _____

Sensor location (describe briefly):

- ☐ garden
- ☐ school yard
- ☐ balcony
- ☐ rooftop
- ☐ other: _____

Height of detector above ground (approx.): _____

Is the detector shielded from direct artificial light?

- ☐ yes
- ☐ no

If yes, how?



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2. Measurement Plan

Planned start time of observation: _____

Planned end time of observation: _____

Estimated observation duration:

_____ hours

Measurement interval (how often the detector records data):

- ☐ every 1 minute
- ☐ every 5 minutes
- ☐ every 10 minutes
- ☐ other: _____

Expected number of measurements:

3. Environmental Conditions to Record

You should note conditions that may influence sky brightness.

Moon phase during observation:

- ☐ new Moon
- ☐ first quarter
- ☐ full Moon
- ☐ last quarter

Moon visible during observation?

- ☐ yes
- ☐ no

Weather forecast:

- ☐ clear sky
- ☐ partly cloudy



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- ☐ cloudy
- ☐ unknown

Possible artificial light sources nearby:

- ☐ streetlights
- ☐ buildings
- ☐ passing cars
- ☐ other: _____

4. Prediction

Before collecting data, discuss in your group:

What do you expect your brightness graph to look like during the night?

Possible changes in brightness may occur because of:

- ☐ twilight
- ☐ Moon rise
- ☐ clouds
- ☐ artificial lights
- ☐ other factors

Explain your prediction:

5. Notes During Observation (optional)

Write down anything unusual that happens during the observation.

Time	Observation
_____	_____
_____	_____
_____	_____

