

Weather Satellites and Orbits

(Online module at http://cimss.ssec.wisc.edu/satmet/modules/2_weather_satellites/ws-1.html)

- 1) What year was the first satellite launched?

- 2) What country launched the first satellite and what did they name it?

- 3) What Wisconsin scientist pioneered satellite meteorology research and became known as the "Father of Satellite Meteorology"?

- 4) When was the first weather satellite launched and what country accomplished this?

- 5) What are the two main types of satellites? Which is closest to the Earth?

- 6) What type of satellite is used to track large scale weather systems?

- 7) What type of satellite is better for viewing small scale features on the Earth over a single country?

- 8) What are the two main types of remote sensing instruments flown on weather satellites?

- 9) Which radiometers can collect data at night? Why?

- 10) Satellite technology is one of the biggest scientific breakthroughs of the 20th century, name at least 2 more and list your reasons for your choices.