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Weather Satellite Software Requirements

1. The software shall be able to process raw data from the satellite.
2. The software shall take pictures of the earth.
3. The software shall use infrared sensors to monitor the temperature.
4. The software shall be able to determine the direction of the earth & correct itself when needed.
5. The software shall include onboard accessibility to adhere to in person access.
6. The software shall protect the integrity & confidentiality of the data transmitted by the satellite.
7. The software shall have seamless integration with ground control.
8. Robust storage shall increase capabilities of storing data in large volumes with easy retrieval & analysis.
9. Autonomous operations shall increase productivity & access to data.

10.) The software shall have real-time updates to ensure the relevancy of the data being accessed.