

SINGLE EVENT UPSET PREDICTOR

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PROBLEM

- Space Radiation Danger Problem:
- **Challenge description:** This challenge consists in establishing a risk scale of space-weather caused satellite resets, which is the risk of satellite computers shutting down because of strong radiation in space. To this end, data on single-event upsets taken directly from the Canadian satellite CASSIOPE needs to be meshed with multiple open space weather datasets to determine what factors cause the upsets, and devise a way to estimate the risk that the satellite would be affected by space radiation a day in advance, enabling better satellite operations



SOLUTION

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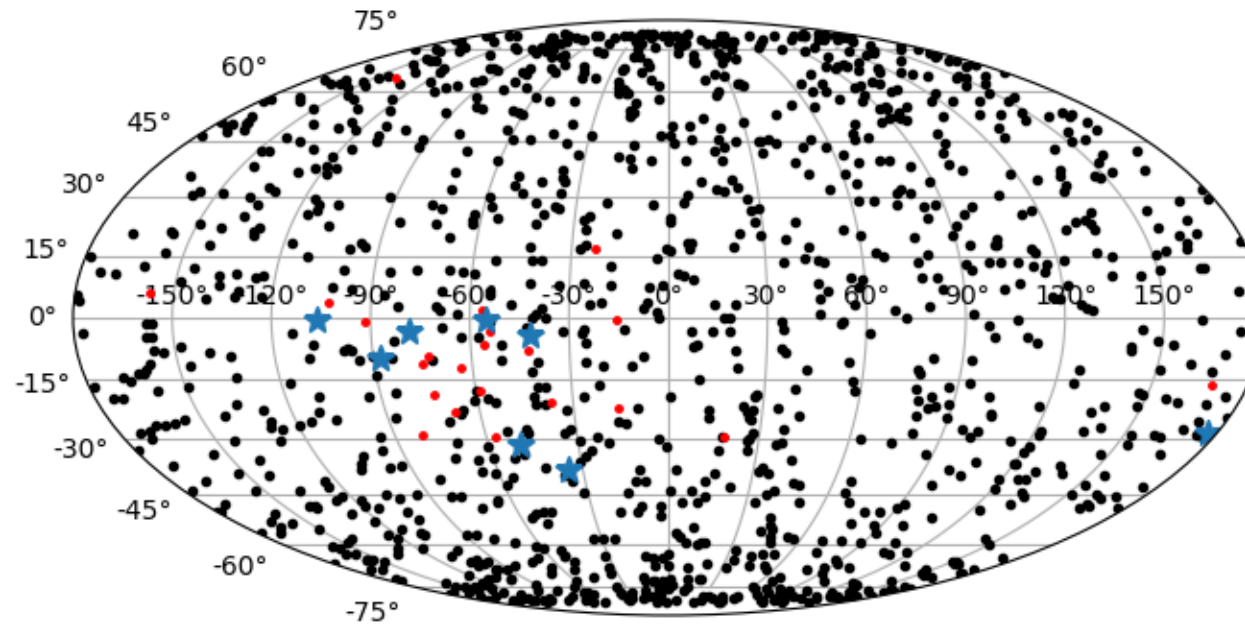
DATA

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RESULTS

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CONCLUSION

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