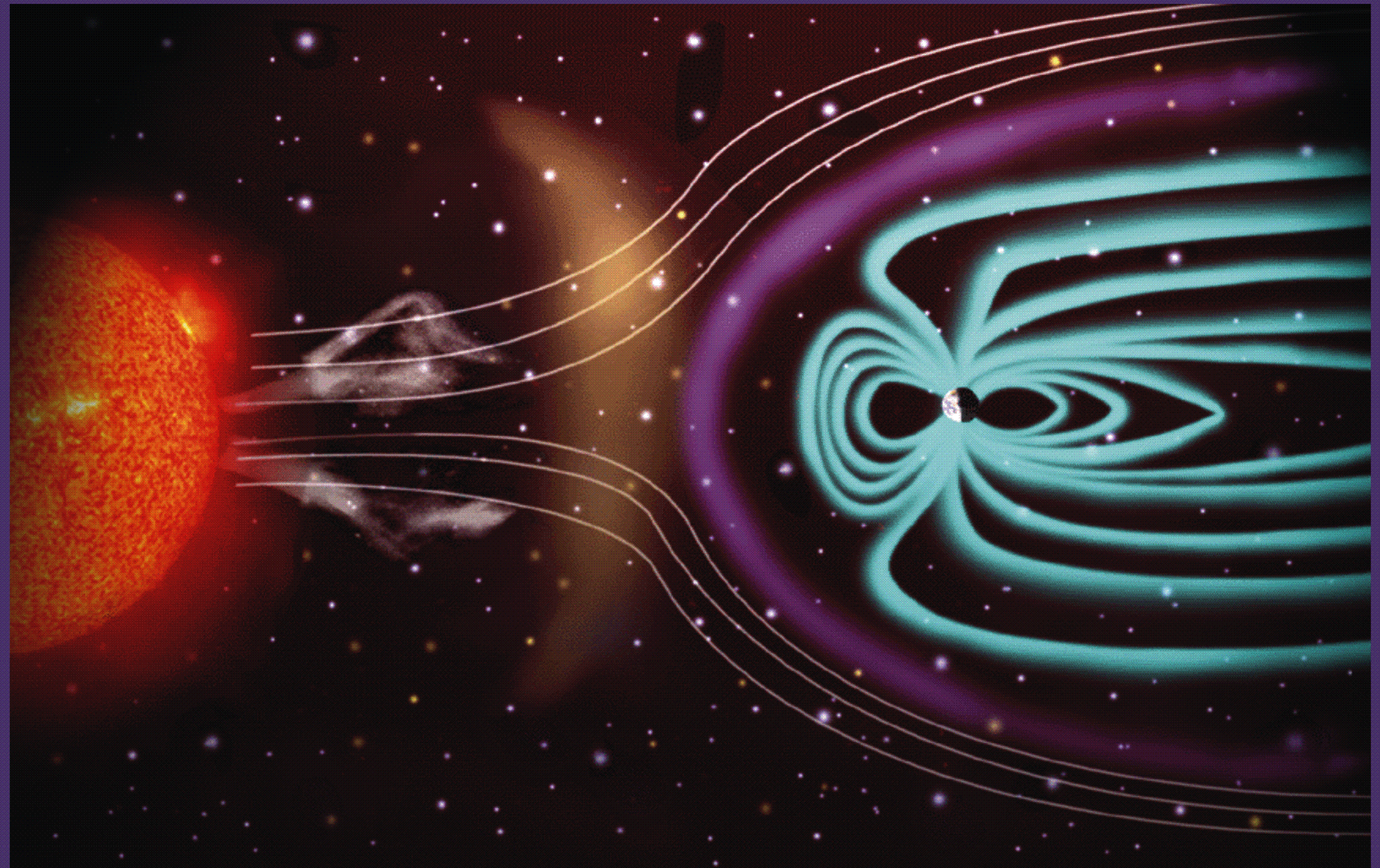


IPS Radio and Space Services has developed a new alert service for geophysical customers which tracks Geomagnetic storm events from their origin on the Sun to their commencement at Earth.

IPS GEOSTAT (GEOmagnetic STorm Alert Tracking) system provides six Alerts that are issued at different stages along the passage of a solar event from its origin to its impact as a Geomagnetic storm.

Lead time for GEOSTAT Alerts range from two to three days for GEOSTAT 5 to “storm in progress” for GEOSTAT 0. As the Alerts track from GEOSTAT 5 down to GEOSTAT 0, the likelihood of a geomagnetic storm increases.



Following is a description of each GEOSTAT Alert. Over the page, information is given on how to obtain these services.

Alert	Space Weather event observed	Probability of event	Estimated lead time
GEOSTAT 5	Coronal Mass Ejection (CME) observed on the sun	Geomagnetic storm possible	Within three days
GEOSTAT 4	Precursor CME particles detected by satellite	Geomagnetic storm possible	Within one day
GEOSTAT 3	CME shock front detected by satellite	Geomagnetic storm probable	Within 12 hours
GEOSTAT 2	CME impacts the geomagnetic field, with a Sudden Impulse (SI) observed	Geomagnetic storm probable	Within 12 hours
GEOSTAT 1	Sustained period of strong southward Interplanetary Magnetic Field (IMF) detected	Geomagnetic storm highly probable	Within 3 hours
GEOSTAT 0	Geomagnetic 3-hourly K index ≥ 6 measured	Geomagnetic storm in progress	Zero hours