

HFUS3 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 255

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 12 SEP 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100 TO 12/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE ONLY NUMBERED REGION ON THE DISK, REGION 4693 (S20W10), IS SPOTLESS AND HAS EXPERIENCED FURTHER DECAY IN H-ALPHA APPEARANCE. HOWEVER, SURGING AND MINOR X-RAY FLARE EVENTS HAVE BEEN OBSERVED FROM THE EAST LIMB NEAR S08. NO SPOTS ARE YET VISIBLE ON THE DISK. A FILAMENT DISAPPEARANCE WAS REPORTED LATE ON 11 SEPTEMBER. THE FILAMENT, 9 DEGREES IN LENGTH, WAS LAST SEEN LOCATED NEAR S42W36 MIDDAY ON 10 SEPTEMBER.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS. ISOLATED ERUPTIVE EVENTS MAY BE POSSIBLE FROM THE ACTIVE REGION APPROACHING EAST LIMB PASSAGE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS. AN EXPECTED DISTURBANCE DID NOT MATERIALIZE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO OCCASIONALLY ACTIVE TOMORROW, DECLINING TOWARD UNSETTLED TO QUIET CONDITIONS BY THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 13 SEP-15 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 SEP 068

PREDICTED 13 SEP-15 SEP 070/070/070

90 DAY MEAN 12 SEP 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 SEP 010/014

ESTIMATED AFR/AP 12 SEP 007/010

PREDICTED AFR/AP 13 SEP-15 SEP 015/015-010/015-010/015

SOLTERWARN

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