

HFUS 3 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 260

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 SEP 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100 TO 17/2100Z: SOLAR ACTIVITY HAS BEEN LOW DURING THIS PERIOD. THE LARGEST EVENT OBSERVED WAS A B9/SN FROM REGION 4317 (S12W14) AT 1713UT. REGION 4317 HAS BEEN GENERALLY STABLE THIS PERIOD. THE DELTA MAGNETIC CONFIGURATION IS NO LONGER BEING REPORTED. REGION 4319 (S08E73) CONTINUES AS A SMALL SIMPLE "H" TYPE. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE AT LOW LEVELS DURING THIS FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT GENERALLY ACTIVE LEVELS, MINOR STORM LEVELS OBSERVED DURING THE NIGHT TIME SECTORS. SHORT PERIODS OF MAJOR STORM LEVELS WERE REPORTED FROM THE HIGH LATITUDE SITES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO CONTINUE AT GENERALLY ACTIVE LEVELS WITH SHORT PERIODS OF MINOR STORM CONDITIONS DURING THE NIGHT TIME SECTOR, MAJOR STORM PERIODS AT THE HIGH LATITUDE SITES.

III. EVENT PROBABILITIES 18 SEP-20 SEP

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 SEP 104

PREDICTED 18 SEP-20 SEP 104/104/103

90 DAY MEAN 17 SEP 123

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 SEP 020/027

ESTIMATED AFR/AP 17 SEP 002/025

PREDICTED AFR/AP 18 SEP-20 SEP 020/020-020/020-020/020

SOLTERWARN

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