

FUS 3 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 262

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 19 SEP 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 18/2100 TO 19/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW THIS PERIOD. NO OPTICAL FLARES HAVE BEEN REPORTED. ALL REGIONS HAVE BEEN STABLE OR SLIGHTLY DECAYED THIS PERIOD.

RETURNING REGIONS WERE SMALL AND ARE NOT EXPECTED TO BE OF SIGNIFICANCE DURING THIS FORECAST PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS NOT EXPECTED TO CHANGE DURING THIS FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 18/2100Z TO 19/2100Z: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE WITH SHORT PERIODS AT STORM LEVELS. THIS APPEARS TO BE IN RESPONSE TO A SOUTHERN CORONAL HOLE WHICH HAS PRODUCED ACTIVITY THE LAST THREE ROTATIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT ACTIVE TO MINOR STORM LEVELS, MAJOR STORM AT THE HIGH LATITUDE SITES, DURING THIS FORECAST PERIOD. THE MOST ACTIVE TIMES SHOULD BE THE NIGHT TIME SECTORS.

III. EVENT PROBABILITIES 20 SEP-22 SEP

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 SEP 100

PREDICTED 20 SEP-22 SEP 100/099/099

90 DAY MEAN 19 SEP 123

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 18 SEP 010/013

ESTIMATED AFR/AP 19 SEP 027/035

PREDICTED AFR/AP 20 SEP-22 SEP 020/020-025/025-020/020

SOLTERWARN

BT