

HFUS3 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 207

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 26 JUL 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100 TO 26/2100Z: SOLAR ACTIVITY WAS VERY LOW. NEWLY ASSIGNED REGION 4680 (N07E83) ROTATED ONTO THE DISK AS AN HKX/ALPHA TYPE WHERE NO REGION EXISTED THE PRIOR ROTATION. IT PRODUCED BRIGHT POINTS AND SURGING BUT NO FLARES. A SIX DEGREE LONG FILAMENT DISAPPEARED FROM S20W56 AT 1307Z.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. RETURNING REGIONS 4671/4672 PRODUCED TWO M-LEVEL X-RAY EVENTS LAST ROTATION. THE OVERALL BACKGROUND X-RAY LEVEL HAS STEADILY INCREASED OVER THE PAST TWO DAYS TO INDICATE ENERGETIC ACTIVITY NEAR THEIR LOCATIONS AND NEWLY ASSIGNED REGION 4680. THESE GROUPS PROVIDE A VERY SLIGHT TO SLIGHT CHANCE OF MODERATE ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z: GEOMAGNETIC ACTIVITY WAS ACTIVE TO UNSETTLED. BRIEF STORM CONDITIONS OCCURRED EARLY IN THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE UNSETTLED TO ACTIVE.

III. EVENT PROBABILITIES 27 JUL-29 JUL:

CLASS M 05/10/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 JUL 075

PREDICTED 27 JUL-29 JUL 078/080/083

90 DAY MEAN 26 JUL 079

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 JUL 013/018

ESTIMATED AFR/AP 26 JUL 014/018

PREDICTED AFR/AP 27 JUL-29 JUL 010/015-010/015-008/010

THE BOULDER SPACE ENVIRONMENT SERVICES CENTER WILL HAVE A POWER OUTAGE ON 27 JULY FROM 1300 TO 2300UT. TELEX AND AUTODIN TRANSMISSION OF ROUTINE SESC PRODUCTS SCHEDULED DURING THIS TIME WILL BE DELAYED UNTIL POWER IS RESTORED.

SOLTERWARN

BT