

HFUS 3 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 128

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 07 MAY 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/2100 TO 07/2100Z: SOLAR ACTIVITY HAS BEEN LOW WITH NO X-RAY BURST LARGER THAN C2. ALL FLARES HAVE OCCURRED IN REGION 4481 (N07E64). THIS REGION MAY HAVE A DELTA CONFIGURATION WITH WEAK GRADIENTS IN THE TRAILER PENUMBRA. HOWEVER, TRANSVERSE FIELDS MAY BE CONTRIBUTING TO THIS APPEARANCE TODAY. REGION 4480 (N01E50) IS THE ONLY OTHER SPOTTED REGION ON THE DISK WITH A SINGLE H-TYPE SUNSPOT.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. OCCASIONAL CLASS M FLARES ARE EXPECTED FROM REGION 4481.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 06/2100Z TO 07/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED INITIALLY TO BE UNSETTLED BUT THEN BECOMING ACTIVE ON 09 MAY. SEVERAL FILAMENT SEGMENTS BETWEEN S20-30 DEGREES HAVE DISAPPEARED DURING THE PAST 24 HOURS.

III. EVENT PROBABILITIES 08 MAY-10 MAY

CLASS M 70/70/70

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 MAY 116

PREDICTED 08 MAY-10 MAY 122/126/130

90 DAY MEAN 07 MAY 130

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 MAY 010/018

ESTIMATED AFR/AP 07 MAY 006/010

PREDICTED AFR/AP 08 MAY-10 MAY 010/015-015/020-015/015

SOLTERWARN

BT