

HFUS 1 B OU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 075

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 15 MARCH 1980

IA. SOLAR ACTIVITY WAS LOW FOR THE PAST 24 HOURS. ONLY THREE SUB-FLARES WERE OBSERVED TODAY AND THE X-RAY FLUX NEVER REACHED HIGHER THAN THE C1-LEVEL. REGION 2324 (S18W25) HAS THE LARGEST SPOT NUMBER (8) AND EXTENT (16 DEGREES) OF ANY REGION, BUT IT PRODUCED ONLY ONE SUBFLARE (0059Z MAX). FIVE NEW REGIONS WERE NUMBERED TODAY, BUT THESE FIVE REGIONS HAD A TOTAL OF ONLY NINE SPOTS.

IB. SOLAR ACTIVITY IS FORECAST TO CONTINUE AT LOW LEVELS. OLD ACTIVE REGION 2309 (S26) IS EXPECTED TO RETURN ON 17 MAR IF IT HASN'T DIED ON THE BACK SIDE.

II. THE GEOMAGNETIC FIELD WAS QUIET TODAY. MILDLY UNSETTLED CONDITIONS ARE EXPECTED ON 17 MARCH, BASED ON A WEAK SECTOR BOUNDARY CROSSING.

III. EVENT PROBABILITIES 16 - 18 MAR

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 MAR 141

PREDICTED 16 - 18 MAR 144/147/148

90-DAY MEAN 15 MAR 194

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 MAR 05

ESTIMATED AFR/AP 51 MAR 02/06

PREDICTED AFR/AP 16 - 18 MAR 05/08 10/12 07/10

SOLTERWARN

BT