

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 UNSETLED  
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

PROMPT 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 INDICES

OBSERVED FREDERICKSBURG 14 MAR 05

ESTIMATED AFR/AP 15 MAR 02/06

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

SOLTERWARN

BT