

HFUS 1 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 072

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 12 MARCH 1980

IA. SOLAR ACTIVITY HAS AGAIN REMAINED AT A LOW LEVEL. ONLY ONE FLARE WAS OBSERVED OPTICALLY, A SUBFAINT FROM REGION 2324 (S17E11) WHICH REACHED MAXIMUM AT 1440 UT. THE ASSOCIATED X-RAY BURST MANAGED TO JUST REACH C-CLASS LEVEL. A C-1 X-RAY BURST AT ~18 UT. COULD NOT BE CORRELATED OPTICALLY. REGION 2324 AND REGION 2316 (S11W59) HAVE EXHIBITED PLAGE FLUCTUATIONS AND SLIGHTLY COMPLEX NEUTRAL LINES AND PROBABLY ARE THE ONLY REGIONS ON THE DISK CAPABLE OF PRODUCING A FLARE. NEW REGIONS 2329 (S18E19) AND 2330 (N18E25) HAVE FORMED ON THE DISK AS SIMPLE B-TYPE AND A-TYPE SPOT GROUPS RESPECTIVELY.

IB. SOLAR ACTIVITY SHOULD REMAIN AT A LOW LEVEL THROUGH THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE PAST 24 HOURS. ACTIVE CONDITIONS ARE EXPECTED TO COMMENCE SHORTLY AFTER THE START OF THE ZULU DAY ON THE 13TH; THE EXPECTED RESULT OF A FILAMENT WHICH DISAPPEARED ON A SOLAR SECTOR BOUNDARY ON THE 9TH.

III. EVENT PROBABILITIES 13 MARCH - 15 MARCH

CLASS M 10/10/10

CLASS X 01/01/01

PREDICTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 MARCH 140

PREDICTED 13-15 MARCH 135/130/135

90-DAY MEAN 12 MARCH 197

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 11 MARCH 04

ESTIMATED AFR/AP 12 MARCH 04/05

PREDICTED AFR/AP 13-15 MARCH 20/25 08/10 08/10

SOLIERWARN

BT