

HFUS 1 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 084

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 24 MARCH 1980

IA. ALTHOUGH SOLAR ACTIVITY HAS BEEN LOW, OCCASIONAL SMALL
FLARES HAVE BEEN OBSERVED FROM RANDOM SOURCES. NO MAJOR CHANGES
IN THE DISK REGIONS ARE APPARENT. REGION 2339 (S25W65) IS
PROBABLY STILL AS LIKELY A CANDIDATE FOR SIGNIFICANT ACTIVITY AS
ANY REGION ON THE DISK. LIMB PROXIMITY IS PARTIALLY RESPONSIBLE
FOR ITS APPARENT DECAY AND SIMPLIFICATION BUT THE PLAGE REMAINS
MODERATELY BRIGHT AND WELL ORGANIZED. THE SECOND MOST LIKELY
CANDIDATE IS REGION 2341 (N13W19). 2341 IS ALSO MODERATELY
BRIGHT AND WELL STRUCTURED IN H-ALPHA AND THE SPOT GROUP HAS
DEVELOPED PENUMBRA AT BOTH ENDS MAKING IT A SMALL CLASS "D"
GROUP. EQUALLY INTERESTING AS 2341 IS REGION 2346 (N06E04).
THIS REGION HAS DECLINED SLIGHTLY IN WHITE LIGHT BUT STRUCTURAL
CHANGES HAVE LEAD TO A REALIGNMENT IN THE NEUTRAL LINE WHICH
RESULTED IN SEVERAL SHARP KINKS CROWDED BY BRIGHT PLAGE SEGMENTS.
OTHER VISIBLE CHANGES HAVE BEEN SMALL.

IB. SOLAR ACTIVITY SHOULD CONTINUE AT ITS PRESENT LEVEL WITH "M"
CLASS XRAY BURST ONLY A SLIGHT THREAT.

II. THE GEOMAGNETIC FIELD IS QUIET. NO SIGNIFICANT CHANGES ARE
EXPECTED.

III. EVENT PROBABILITIES 25 - 27 MARCH

CLASS M 25/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 MAR 173

PREDICTED 25 - 27 MAR 177/179/179

90-DAY MEAN 24 MAR 192

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 MAR 05

ESTIMATED AFR/AP 24 MAR 07/08

PREDICTED AFR/AP 25 - 27 MAR 09/12 07/10 07/08

SOLTERWARN

BT