

HFUS 2 BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 081

JOINT USAF/NQAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 21 MARCH 1980

IA. SOLAR ACTIVITY HAS CONTINUED LOW DURING THE PAST 24 HOURS.
THE LARGEST FLARE TODAY WAS A C1/F FROM REGION 2354 (S29E51) AT
233 UT. REGION 2339 (S26W27) PRODUCED A C1/SF AT 0147 UT.
REGION 2339 HAS SHOWN DECAY IN LEADER PORTION HOWEVER TRAILER
PORTION CONTINUES TO EXHIBIT GROWTH WITH WEAK ARCH FILAMENT IN
PROGRESS. NEW REGIONS TODAY 2349 (S20W26) AND 2350 (S19W14)
SIMPLE B TYPE. OTHER NEW REGIONS 2351 (S27E27), 2352 (N22E75),
2353 (S08W11) AND 2354 (S29E51) ARE ALL A TYPE GROUPS. REGION
2254 HAS SHOWN BRIGHT POINTS AND PLAGE FLUCTUATIONS. ACTIVE
SURGE REGION IN PROGRESS AT SE26. POSSIBLE NEW REGION JUST BEHIND
LIMB.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT LOW LEVELS. HOWEVER
A CONTINUED INCREASE IN SOLAR ACTIVITY IS EXPECTED DURING THE
FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST 24 HOURS.
THE FIELD IS EXPECTED TO CONTINUE UNSETTLED THE NEXT 18 HOURS THEN
TO BE AT OR NEAR QUIET LEVELS THE REST OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 22-24 MAR

CLASS M : 15/20/25

CLASS X : 01/01/01

PROTON : 01/01/01

PCAF : GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 MAR 164

PREDICTED 22-24 MAR 167/169/169

90-DAY MEAN : 21 MAR 192

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 20 MAR 05

ESTIMATED AFR/AP : 21 MAR 4/17

PREDICTED AFR/AP : 22-24 MAR 10/10 - 07/07 - 08/10

SOLIERWARN

BT