

FUS 3 BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 201

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 20 JUL 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 19/2100 TO 20/2100Z: SOLAR ACTIVITY IS AT A LOW LEVEL; HOWEVER, SMALL REGIONS CONTINUE TO DEVELOPE AND DISAPPEAR. TWO SUCH REGIONS, 4255 (N08E12) AND 4256 (S06E14) APPEARED TODAY. OF THESE TWO REGIONS, 4255 HAS NUMEROUS SMALL SPOTS AND IF GROWTH CONTINUES, COULD BE A WELL STRUCTURED REGION WITHIN 24 HOURS. THE OTHER DISK FEATURES REMAIN SEMI DORMANT.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 19/2100Z TO 20/2100Z:

THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: UNSETTLED CONDITIONS SHOULD DOMINATE THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 21 JUL-23 JUL

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 JUL 121

PREDICTED 21 JUL-23 JUL 122/123/124

90 DAY MEAN 20 JUL 135

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 19 JUL 013/017

ESTIMATED AFR/AP 20 JUL 010/020

PREDICTED AFR/AP 21 JUL-23 JUL 012/015-010/010-012/010

SOLTERWARN

BT