

HFUS 3 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 134

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 13 MAY 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100 TO 13/2100Z: SOLAR ACTIVITY WAS LOW DURING THE PAST 24 HOURS. CLASS C1 FLARES FROM REGION 4481 (N08W16) HAVE BEEN THE RULE OF THE DAY. DECAY IN REGION 4481 IS EVEN MORE EVIDENT TODAY AS FRAGMENTATION OF THE PENUMBRA IS DECIMATING THE INTERIOR OF THE SPOT GROUP. HOWEVER, THE H ALPHA PLAGE REMAINS BRIGHT AND QUITE EXTENSIVE. REGION 4485 (S12W13) HAS GROWN DRAMATICALLY IN THE PAST 24 HOURS AND IS NOW A SMALL D TYPE GROUP. A SUBFAINT FLARE AT 1211Z (MAX) HAS BEEN THE ONLY ACTIVITY 4485 HAS MANAGED SO FAR TODAY. THE OTHER VISIBLE REGIONS ARE SMALL, SIMPLE AND STABLE. REGIONS 4488 (N17W13) AND 4489 (S17E41) WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE AT A LOW TO MODERATE LEVEL AS REGION 4481 REMAINS CAPABLE OF ENERGETIC ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 14 MAY-16 MAY

CLASS M 70/60/60

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 MAY 148

PREDICTED 14 MAY-16 MAY 148/148/151

90 DAY MEAN 13 MAY 130

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 MAY 012/016

ESTIMATED AFR/AP 13 MAY 010/020

PREDICTED AFR/AP 14 MAY-16 MAY 008/010-010/015-012/020

SOLTERWARN

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