

HFUS3 BOU 012200 COR

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 245

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

::::::: CORRECTED COPY :::::::

ISSUED 2200Z 01 SEP 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 31/2100 TO 01/2100Z: SOLAR ACTIVITY CONTINUED VERY LOW DURING THIS FORECAST PERIOD. REGION 4567 (S07W27) HAS CONTINUED TO EXHIBIT AN INCREASE IN SIZE ALONG WITH A TIGHTENING OF MAGNETIC GRADIENTS. REGION 4567 IS NOW A BETA GAMMA/DELTA AND PRODUCED THE LARGEST X RAY EVENT, A C1/SN AT 0807UT, OBSERVED IN SEVERAL DAYS. SEVERAL SMALL FILAMENTS HAVE DISAPPEARED DURING THE PAST 24 HOURS HOWEVER THEY HAVE ALL BEEN SMALL AND HAVE HAD NO NOTICEABLE X RAY INCREASES. NEW REGIONS NUMBERED TODAY 4570 (N12W15) AND 4571 (N04E71) ARE BOTH SMALL SIMPLE GROUPS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW DURING THIS FORECAST PERIOD. IF RAPID CHANGE OCCURS IN REGION 4567 THEN A SHORT PERIOD OF LARGE C CLASS EVENTS WITH A GOOD CHANCE OF ISOLATED M CLASS EVENTS IS TO BE EXPECTED.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 31/2100Z TO 01/2100Z: THE GEOMAGNETIC FIELD WAS AT UNSETTLED TO SLIGHTLY ACTIVE LEVELS DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED UNTIL 04 SEP WHEN THE FIELD IS EXPECTED TO BECOME ACTIVE.

III. EVENT PROBABILITIES 02 SEP-04 SEP

CLASS M 10/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 SEP 092

PREDICTED 02 SEP-04 SEP 093/094/095

90 DAY MEAN 01 SEP 090

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 31 AUG 011/014

ESTIMATED AFR/AP 01 SEP 010/012

PREDICTED AFR/AP 02 SEP-04 SEP 010/010-010/010-010-015/015

SOLTERWARN--

BT