

HFLS3 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 243

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 30 AUG 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 29/2100Z TO 30/2100Z: SOLAR ACTIVITY HAS CONTINUED AT A VERY LOW LEVEL WITH ONLY ONE SPOTTED REGION VISIBLE. REGION 4567 (S06W00) HAS CONTINUED ITS SLOW GROWTH AND NOW CONTAINS A BETA/DELTA MAGNETIC CONFIGURATION IN THE CENTRAL PORTION OF THE GROUP. REGION 4567 HAS PRODUCED ONLY SUB FLARE ACTIVITY DURING THE PAST TWO DAYS WITH NO X RAY EVENTS IN THE C CLASS RANGE. A SMALL FILIAMENT (S03W17) DISAPPEARED DURING THE PAST 24 HOURS. NEW REGION 4569 (N08E70) IS SPOTLESS AT THIS TIME BUT IS BRIGHT IN H' ALPHA AND THEREFORE WAS NUMBERED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW TO LOW DURING THE FORECAST PERIOD. REGION 4567 MAY BECOME A PRODUCER OF ENERGETIC EVENTS IF RAPID CHANGE OCCURS IN ITS SIZE OR MAGNETIC CONFIGURATION.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 29/2100Z TO 30/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT GENERALLY ACTIVE LEVELS DURING THE PAST 24 HOURS. THERE WAS STORM CONDITIONS OBSERVED AT ONE OF THE HIGH LATITUDE SITES FROM 0600UT UNTIL 1930UT. THIS CURRENT ACTIVITY IS THOUGHT TO BE FROM A CORONAL HOLE STREAM.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE FIELD IS EXPECTED TO CONTINUE AT AN ACTIVE LEVEL THROUGH 31 AUG THEN BE GENERALLY UNSETTLED FOR THE REST OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 31 AUG-02 SEP

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 AUG 090

PREDICTED 31 AUG-02 SEP 091/092/093

90 DAY MEAN 30 AUG 091

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 29 AUG 020/026

ESTIMATED AFR/AP 30 AUG 020/025

PREDICTED AFR/AP 31 AUG-02 SEP 015/015-010/010-010/010

SOLTERWARN

BT