

HFUS 1 BOU 081300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 008A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 08 JAN 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
07/1200Z TO 08/1200Z: SOLAR ACTIVITY REMAINS AT A LOW LEVEL.
OCCASIONAL C CLASS FLARES ARE BEING OBSERVED BUT NONE OF THE
DISK REGIONS APPEAR CAPABLE OF PRODUCING ANY THING LARGER.
REGION 4046 (S16W50) REMAINS THE LARGEST VISIBLE GROUP WITH
REGIONS 4041 (N06W70) AND 4048 (S14E12) BEING THE SECOND AND
THIRD LARGEST RESPECTIVELY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN LOW.

III. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN QUIET TO UNSETTLED. NO MAJOR CHANGES ARE EXPECTED;
HOWEVER, A FILAMENT DISAPPEARANCE COULD BE REFLECTED IN THE
FIELDS BEHAVIOR LATE ON 11 JAN.

III. EVENT PROBABILITIES 09 JAN-11 JAN

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 JAN 169

ESTIMATED 08 JAN 165

PREDICTED 09 JAN-11 JAN 163/160/160

90 DAY MEAN 07 JAN 175

V. GEOMAGNETIC A INDICES

OBSERVED AFR 06 JAN 002 AP 07 JAN 207

ESTIMATED AFR 07 JAN 006 AFR/AP 08 JAN 207/010

PREDICTED AFR/AP 09 JAN-11 JAN 010/010-012/010-008/015

SOLTERWARN

BT

HFUS 3 BOU 082203

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 008B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 08 JAN 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
08/1200Z TO 08/2100Z: SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 9
HOURS. REGIONS 4048 (S13E05) AND 4053 (S09E36) EACH PRODUCED
C-CLASS X-RAY, SUB-BRIGHT OPTICAL FLARES. MODERATE MAGNETIC
GRADIENTS WERE MEASURED IN 4046 (S16W57), 4053, AND 4048, BUT
ONLY REGIONS 4053 AND 4046 ARE SHOWING WHITE-LIGHT GROWTH. TWO
NEW A-TYPE SPOTS EMERGED AND WERE ASSIGNED NUMBERS. THEY ARE
4056 (N23E16) AND 4057 (N22E52).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
CONTINUE LOW. ONLY ISOLATED M-CLASS ACTIVITY APPEARS POSSIBLE
FROM REGIONS PRESENTLY ON THE VISIBLE DISK.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN UNSETTLED TO QUIET FOR THE PAST 9 HOURS. THESE CONDITIONS
ARE EXPECTED TO PERSIST UNTIL 11 JAN WHEN ACTIVE CONDITIONS
COULD COMMENCE IN RESPONSE TO A FILAMENT DISAPPEARANCE ON 07
JAN.

III. EVENT PROBABILITIES 09 JAN-11 JAN

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 JAN 165

PREDICTED 09 JAN-11 JAN 163/160/160

90 DAY MEAN 08 JAN 175

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 JAN 003/007

ESTIMATED AFR/AP 08 JAN 007/008

PREDICTED AFR/AP 09 JAN-11 JAN 010/010-010/010-013/020

SOLTERWARN

BT