

HFUS 1 BOU 101300
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 010A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1300Z 10 JAN 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
09/1200Z TO 10/1200Z: SOLAR ACTIVITY CONTINUED LOW DURING THE
PAST 24 HOURS. THE LARGEST EVENT WAS A C2/SB FROM REGION 4046
(S16W77). ALL OF THE DISK REGIONS ARE VIRTUALLY STABLE IN
GROWTH PATTERNS AND OTHER THAN OCCASIONAL SUBFLARES, THE ONLY
ACTIVITY NOTED IS INFREQUENT PLAGE FLUCTUATIONS. A SMALL H TYPE
SPOT IS ROTATING OVER THE LIMB NEAR SE19.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN AT A LOW LEVEL.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN AT MAJOR STORM LEVELS. A SUDDEN STORM COMMENCEMENT AT
091545Z WAS FOLLOWED BY SEVERAL PERIODS OF MAJOR STORM
CONDITIONS. THIS STORM IS THOUGHT TO BE A RESULT OF FILAMENT
DISRUPTIONS. THE FIELD IS GRADUALLY RETURNING TO PRE-STORM
LEVELS. UNSETTLED TO ACTIVE CONDITIONS SHOULD DOMINATE THE NEXT
THREE DAYS.

III. EVENT PROBABILITIES 11 JAN-13 JAN

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 JAN 155

ESTIMATED 10 JAN 150

PREDICTED 11 JAN-13 JAN 145/141/136

90 DAY MEAN 09 JAN 175

V. GEOMAGNETIC A INDICES

OBSERVED AFR 08 JAN 007 AP 09 JAN 023

ESTIMATED AFR 09 JAN 017 AFR/AP 10 JAN 050/060

PREDICTED AFR/AP 11 JAN-13 JAN 015/020-010/015-010/020

SOLTERWARN

BT

HFUS 3 EQU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 010B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 10 JANUARY 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/1200Z TO 10/2100Z. SOLAR ACTIVITY CONTINUED LOW. THE LARGEST EVENT WAS A C1/SF FROM REGION 4053 (S18E11). OTHER SMALL FLARES CAME FROM REGIONS 4054 (S17W21) AND 4052 (S06W06). REGION 4058 (S17E80) A NEW H-TYPE GROUP WAS NUMBERED TODAY. (ALL POSITIONS ARE APPROXIMATE AS OF 10/1630Z.)

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW THROUGHOUT THE FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS RETURNED TO ACTIVE CONDITIONS AND REMAINED ACTIVE THROUGH THIS PERIOD. UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 11 JANUARY - 13 JANUARY

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 JANUARY 149

PREDICTED 11-13 JANUARY 145/141/136

90-DAY MEAN 10 JANUARY 176

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 JANUARY 15/23

ESTIMATED AFR/AP 10 JANUARY 60/70

PREDICTED AFR/AP 11-13 JANUARY 15/20 - 10/15 - 10/20

SOLTERWARN

BT