

HFUS 1 BOU 071300
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 097A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 07 APR 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
06/1200Z TO 07/1200Z: SOLAR ACTIVITY HAS BEEN LOW. AN OCCASIONAL
C-CLASS SUPFLARE IS THE ONLY ACTIVITY BEING OBSERVED. REGIONS
3674 (S07W45) AND 3675 (S13E27) ARE THE ONLY TWO REGIONS TO
PRODUCE FLARES SO FAR THIS ZULU DAY. REGION 3675 IS THE LARGER,
MORE COMPLEX OF THE TWO BUT APPEARS TO BE DECAYING. TWO H TYPE
SPOTS ARE ROTATING ONTO THE DISK NEAR SE09 AND NE03.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE LOW. NO
DISK REGION APPEARS CAPABLE OF SUSTAINED ACTIVITY.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD IS
QUIET TO UNSETTLED. NO CHANGE IS EXPECTED.

III. EVENT PROBABILITIES 08 APR-10 APR

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 APR 165

ESTIMATED 07 APR 168

PREDICTED 08 APR-10 APR 172/176/181

90 DAY MEAN 06 APR 201

V. GEOMAGNETIC A INDICES

OBSERVED AFR 05 APR 017 AP 06 APR 022

ESTIMATED AFR 06 APR 014 AFR/AP 07 APR 009/012

PREDICTED AFR/AP 08 APR-10 APR 010/012-012/012-012/008

SOLTERWARN

BT

HYUS BOU 271300

PREDM 02008 02009 02010

PREDX 00108 00109 00110

PREDP 00108 00109 00110

PCAF 00108

TENCM 17208 17609 18110

AFRED 01008 01209 01210

AFAPF 01208 01209 00810

KKK 22232 32222 33332

BT

NNNNZCVZDZEGVZLVZOUU

KBOU

HFUS 3 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 097B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 07 APR 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/1200Z TO 07/2100Z: SOLAR ACTIVITY FOR THIS PERIOD HAS BEEN LOW. ONLY TWO SMALL XRAY FLARES HAVE OCCURED. ALL OF THE REGIONS REPORTED ON THE DISK PREVIOUS TO TODAY SHOW SIGNS OF DECAY. NEW REGIONS 3681 (S06E71), A C50 CLASS REGION, 3682 (N05E72), A H5X CLASS REGION AND 3683 (S16W82), AN AXX CLASS REGION WERE NUMBERED THIS PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW FOR THE NEXT 24 HOURS. NO REGION ON THE DISK APPEARS TO BE A SIGNIFICANT FLARE PRODUCER. NO FLARE PRODUCING REGIONS ARE EXPECTED TO ROTATE ONTO THE DISK DURING THE NEXT 24 HOURS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 9 HOURS. THE FIELD IS EXPECTED TO BE UNSETTLED THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 08 APR-10 APR

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 APR 163

PREDICTED 08 APR-10 APR 168/171/176

9P DAY MEAN 07 APR 201

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 APR 014/022

ESTIMATED AFR/AP 07 APR 007/009

PREDICTED AFR/ AP 08 APR-10 APR 010/012-012/012-012/008

SOLTERWARN

BT

NNNNZSV

UU