

HFUS 1 BOU 181300
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 108A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1300Z 18 APR 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
17/1200Z TO 18/1200Z: SOLAR ACTIVITY HAS BEEN LOW DURING THE
PAST 24 HOURS. THE MOST ACTIVE SOLAR REGION WAS REGION 3696
(S17W13) BUT THAT REGION WAS ONLY ABLE TO PRODUCE SEVERAL SMALL
C-CLASS SUBFLARES. OTHER REGIONS ARE EITHER STABLE OR
DECLINING. NEW REGIONS 3698 (S13E39) AND 3699 (S13E67) HAVE
BEEN NUMBERED. SURGING AT (NE05) MAY PORTEND THE ARRIVAL OF A
REGION AT THE LIMB.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
CONTINUE AT LOW LEVELS. THERE IS ONLY A SMALL CHANCE OF
ISOLATED M-CLASS FLARE ACTIVITY FROM REGION 3696.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD WAS
UNSETTLED TO QUIET OVER THE PAST 24 HOURS. SLIGHTLY MORE
ACTIVITY CONTINUES TO BE SEEN AT HIGH LATITUDES, EXPLAINING THE
DIFFERENCE BETWEEN A-FRED AND A-P. THE GEOMAGNETIC FIELD IS
EXPECTED TO BE GENERALLY UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 19 APR-21 APR

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 APR 147

ESTIMATED 18 APR 142

PREDICTED 19 APR-21 APR 138/137/140

90 DAY MEAN 17 APR 203

V. GEOMAGNETIC A INDICES

OBSERVED AFR 16 APR 011 AP 17 APR 026

ESTIMATED AFR 17 APR 015 AFR/AP 18 APR 006/010

PREDICTED AFR/AP 19 APR-21 APR 010/014-008/012-012/012

SOLTERWARN

BT

HXUS BOU 181300

PREDM 01519 01520 01521

PREDX 00119 00120 00121

PREDP 00119 00120 00121

PCAFT 00119

TENCM 13819 13720 14021

AFRED 01019 00820 01221

AFAPF 01419 01220 01221

KKK 12233 32333 33332

BT

HFUS 3 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 108B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 18 APR 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
18/1200Z TO 18/2100Z: SOLAR ACTIVITY CONTINUED AT LOW LEVELS
DURING THIS PERIOD. REGION 3696 (S18W18) CONTINUES TO ACCOUNT
FOR VIRTUALLY ALL OF WHAT LITTLE FLARE ACTIVITY HAS BEEN
OCCURRING. ALL REGIONS ON THE SOLAR DISK ARE SIMPLE. ONE NEW
REGION WAS NUMBERED TODAY, REGION 3700 (S17E66).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE AT
LOW LEVELS. NO SIGNIFICANT REGIONS ARE EXPECTED TO RETURN AT
THE EAST SOLAR LIMB DURING THE NEXT 3 DAYS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD WAS
AT ACTIVE LEVELS DURING THIS PERIOD. UNSETTLED LEVELS ARE
FORECAST FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 19 APR-21 APR

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 APR 146

PREDICTED 19 APR-21 APR 144/142/144

90 DAY MEAN 18 APR 202

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 17 APR 016/026

ESTIMATED AFR/AP 18 APR 012/010

PREDICTED AFR/AP 19 APR-21 APR 010/014-008/012-012/012

SOLTERWARN

BT

HXUS BOU 182200

PREDM 01519 01520 01521

PREDX 00119 00120 00121

PREDP 00119 00120 00121

PCAFT 00119

TENCM 14419 14220 14421

AFRED 01019 00820 01221

AFAPF 01419 01220 01221

BT