

HFUS 1 BOU 041300
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 004A
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 04 JAN 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
03/1200Z TO 04/1200Z: SOLAR ACTIVITY HAS BEEN LOW. THE VISIBLE
DISK FEATURES REMAIN SMALL AND BASICALLY SIMPLE. SUBFLARES ARE
OCCASIONALLY BEING REPORTED IN REGIONS 3537 (N10E01), 3531
(N26W16) AND 3541 (N08E43). ONE NEW REGION WAS NUMBERED DURING
THE PAST 24 HOURS, 3541.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE
LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD WAS
ACTIVE ON 3 JAN. UNSETTLED CONDITIONS SHOULD PREVAIL ON 4 JAN.

III. EVENT PROBABILITIES 05 JAN-07 JAN

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 JAN 182

ESTIMATED 04 JAN 183

PREDICTED 05 JAN-07 JAN 183/180/180

90 DAY MEAN 03 JAN 213

V. GEOMAGNETIC A INDICES

OBSERVED AFR 02 JAN 007 AP 03 JAN 017

ESTIMATED AFR 03 JAN 016 AFR/AP 04 JAN 009/011

PREDICTED AFR/AP 05 JAN-07 JAN 010/012-008/012-008/010

SOLTERWARN

BT

HXUS BOU 041300

PREDM 02005 02006 02007

PREDX 00105 00106 00107

PREDP 00105 00106 00107

PCAFT 00105

TENCM 18305 18006 18007

AFRED 01005 00806 00807

AFAPF 01205 01206 01007

KKK 33333 32223 33222

BT

HFUS 3 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 004B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 04 JAN 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
04/1200Z TO 04/2100Z: SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 9
HOURS. MOST OF THE REGIONS PRESENTLY VISIBLE ARE STABLE OR
DECLINING. REGION 3537 (N10W07) HAS PRODUCED SEVERAL SUBFLARES
AND IS GROWING IN WHITE LIGHT BUT HAS LOST ITS BETA-GAMMA
MAGNETIC COMPLEXITY. TWO NEW REGIONS WERE ADDED TODAY. THEY
ARE 3542 (N22W03), A SMALL B-TYPE GROUP, AND 3543 (S06E64), A
SINGLE A-TYPE SPOT WHICH IS THE RETURN OF OLD REGION 3505.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
CONTINUE TO BE LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN UNSETTLED TO QUIET DURING THE PAST 9 HOURS. UNSETTLED TO
QUIET CONDITIONS ARE EXPECTED TO CONTINUE THROUGHOUT THE
FORECAST PERIOD.

III. EVENT PROBABILITIES 05 JAN-07 JAN

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 JAN 176

PREDICTED 05 JAN-07 JAN 171/168/165

90 DAY MEAN 04 JAN 213

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 03 JAN 016/017

ESTIMATED AFR/AP 04 JAN 008/011

PREDICTED AFR/AP 05 JAN-07 JAN 010/012-008/012-008/010

SOLTERWARN

BT