

HFUS 1 BOU 111400

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 011A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1200UT 11 JANUARY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
10/1200UT TO 11/1200UT:

SOLAR ACTIVITY HAS REMAINED LOW WITH ONLY SMALL EVENTS
REPORTED. REGION 2874 (S13W47) HAS SHOWN SOME GROWTH AND
RESTRUCTURING. IT HAS PRODUCED 7 C CLASS XRAY EVENTS, THE
LARGEST WAS A C4/SB AT 10/1256, ALONG WITH BRIGHT POINTS
AND FLARE FLUCTUATIONS THROUGHOUT THE DAY, ALL OTHER REGIONS
ARE STABLE AND QUIET. NEW REGION 2888 (N12W31) DEVELOPED
ON THE DISK, BUT CONTAINS A SMALL AND SCATTERED FLARE.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW DURING THE FORECAST
PERIOD WITH CONTINUING SMALL FLARES FROM REGION 2874.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD WAS NEAR ACTIVE FROM 10/1200UT TO 11/
0900UT, PROBABLY DUE TO A CORONAL HOLE WHICH PASSED CENTRAL
MERIDIAN THREE DAYS AGO. THE FIELD IS EXPECTED TO BE NEAR
ACTIVE ON 13 JAN BASED ON THE FILAMENT WHICH DISSAPPEARED
ON 09 JAN IN THE NORTHWEST QUADRANT.

III. EVENT PROBABILITIES: 12-14 JANUARY

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 10 JAN 170

ESTIMATED 11 JAN 168

PREDICTED 12-14 JAN 170/173/176

9.0 DAY MEAN 10 JAN 214

V. GEOMAGNETIC A INDICES

OBSERVED AFR 09 JAN 05 AP 10 JAN 07

ESTIMATED AFR 10 JAN 06 AFR/AP 11 JAN 14/16

PREDICTED AFR/AP 12-14 JAN 12/12 14/14 10/10

SOLTERWARN

BT

HFUS 3 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 01B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200UT 11 JAN 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
11/1200UT TO 11/2200UT:

SOLAR ACTIVITY REMAINED LOW WITH ONLY ONE SUBFLARE OBSERVED
DURING THIS PERIOD.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW; REGION 2874
(S14W62) STILL GIVES THE BEST CHANCE OF A MAJOR FLARE.
THERE IS NO SIGNIFICANT ACTIVITY ON THE EAST LIMB.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED AND IS FORECAST TO
REMAIN SO.

III. EVENT PROBABILITIES: 12-14 JAN

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 11 JAN 166

PREDICTED 12-14 JAN 168/168/168

90 DAY MEAN 11 JAN 213

V. GEOMAGNETIC INDICES

OBSERVED AFR/AP 10 JAN 07/07

ESTIMATED AFR/AP 11 JAN 14/20

PREDICTED AFR/AP 12-14 JAN 12/12 14/14 10/10

SOLTERWARN

BT