

UNCLAS

SDF NUMBER 356A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1300Z 22 DECEMBER 1981

I. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
21/1200Z TO 22/1200Z: SOLAR ACTIVITY REMAINS LOW. REGION
3521 (S04E36) IS EMERGING RAPIDLY. ARCHED FILAMENTA AND
FRIGHT PLAGE INDICATE CONTINUED GROWTH. REGION 3522

(N24E62) HAS ALSO APPEARED DURING THE PAST 24 HOURS, ADDI-
TIONALLY, SPOTS ARE ROTATING ON TO THE DISK AT S07.

II. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED

TO REMAIN LOW.

III. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD
HAS BEEN QUIET. THE FIELD IS EXPECTED TO BE QUIET TO UNSETLED

THROUGH 25 DECEMBER.

IV. EVENT PROBABILITIES: 23-25 DEC

CLASS M 05/05

CLASS X 01/01

PROTON 01/01

PCAF GREEN

V. OTTAWA 10.7 FLUX

OBSERVED 21 DEC 147

ESTIMATED 22 DEC 150

PREDICTED 23-25 DEC 157/162/168

90 DAY MEAN 21 DEC 216

V. GEOMAGNETIC A INDICES

OBSERVED AFR 20 DEC 06 APR 21 DEC 06

ESTIMATED AFR 21 DEC 06 AFR/AP 22 DEC 05/06

PREDICTED AFR/AP 23-25 DEC 08/08, 12/10, 07/08

SOLTERWARM

BT

#5 709

NNNN

HELIUS 3 BULL 22200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO.
SDF NUMBER 356B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 22 DEC 1981

I. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
22/1200Z TO 22/2100Z:

SOLAR ACTIVITY CONTINUES LOW. AN OCCASIONAL SURFLARE FROM
REGIONS 3521 (S24E30), 3522 (N23E55) AND 3516 (N12E31) IS
THE ONLY ACTIVITY NOTED. REGION 3521 IS SHOWING SLOW GROWTH.
A NEW REGION, 3523 (S08E64), WAS NUMBERED TODAY.

II. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN AT LOW LEVELS.

III. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET AND NO CHANGE
IS EXPECTED.

IV. EVENT PROBABILITIES: 23 DEC - 25 DEC

CLASS M 05/05/05

CLASS X 01/01/01

ROT-ON 01/01/01

PCAF GREEN

V. GEOMAGNETIC A INDICES

OBSERVED 22 DEC 151

PREDICTED 23-25 DEC 157/162/168

90 DAY MEAN 22 DEC 216

VI. SOLAR/WARN

OBSERVED AFR/AP 21 DEC 07/06

ESTIMATED AFR/AP 22 DEC 04/06

PREDICTED AFR/AP 23-25 DEC 08/08 12/10 07/08

SOLAR/WARN

PT