

UNCLAS

SDF NUMBER 356A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1300Z 02 DECEMBER 1981

I. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 21/1200Z TO 22/1200Z: SOLAR ACTIVITY REMAINS LOW. REGION 3521 (S24E36) IS EMERGING RAPIDLY. ARCHED FILAMENTS AND BRIGHT PLAGE INDICATE CONTINUED GROWTH. REGION 3522 (N24E62) HAS ALSO APPEARED DURING THE PAST 24 HOURS, ADDITIONALLY, SPOTS ARE ROTATING ON TO THE DISK AT SE07.

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 UNSETTLED THROUGH 25 DECEMBER.

IV. EVENT PROBABILITIES: 23 - 25 DEC

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

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

VI. GEOMAGNETIC A INDICES

OBSERVED AFR 20 DEC 06 AP 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

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FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 3569

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 22 DEC 1981

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

SOLAR ACTIVITY CONTINUES LOW. AN OCCASIONAL SUBFLARE 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.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN AT LOW LEVELS.

II. GEOPHYSICAL SUMMARY AND FORECAST:

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

III. EVENT PROBABILITIES: 23 DEC - 25 DEC

CLASS M 05/05/05

CLASS X 01/01/01

ROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 22 DEC 151

PREDICTED 23-25 DEC 157/162/168

90 DAY MEAN 22 DEC 216

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 21 DEC 07/06

ESTIMATED AFR/AP 22 DEC 04/05

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

SOLTERWARM

BT