

HFUS 1 BOU 141300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 134A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 14 MAY 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/1200Z TO 14/1200Z: SOLAR CONDITIONS ARE REMINISCENT OF SOLAR MINIMUM WITH TWO SLOW RISING C1 X-RAY EVENTS BEING THE ONLY ACTIVITY DURING THE PAST 24 HOURS. ALL DISK REGIONS ARE SMALL AND SIMPLE IN STRUCTURE WITH NO INDICATION OF CHANGE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED. GENERALLY UNSETTLED CONDITIONS ARE EXPECTED UNTIL 17 MAY WHEN THE FIELD IS EXPECTED TO BE ACTIVE IN RESPONSE TO AN EQUATORIAL CORONAL HOLE. ALSO, A LARGE FILAMENT IN THE SE QUADRANT DISAPPEARED SOMETIME ON THE LATTER HALF OF 12 MAY OR THE FIRST HALF OF 13 MAY.

III. EVENT PROBABILITIES 15 MAY-17 MAY

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 MAY 127

ESTIMATED 14 MAY 125

PREDICTED 15 MAY-17 MAY 122/122/122

90 DAY MEAN 13 MAY 181

V. GEOMAGNETIC A INDICES

OBSERVED AFR 12 MAY 007 AP 13 MAY 008

ESTIMATED AFR 13 MAY 007 AFR/AP 14 MAY 010/010

PREDICTED AFR/AP 15 MAY-17 MAY 012/010-012/010-028/025

SOLTERWARN

BT

HFUS 3 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 134B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 14 MAY 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 14/1200Z TO 14/2100Z: SOLAR ACTIVITY HAS BEEN LOW FOR THIS PERIOD. A C2 XRAY FLARE FROM AN UNKNOWN REGION WAS THE ONLY SIGNIFICANT ACTIVITY. REGION 3737 (S13E72) WAS THE ONLY NEW SPOT REGION ON THE DISK. ALL OF THE REGIONS ON THE DISK ARE SIMPLE IN STRUCTURE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE LOW FOR THE NEXT 24 TO 36 HOURS BUT COULD INCREASE TO MODERATE LEVELS WITH THE RETURN OF ACTIVE CARRINGTON LONGITUDES 316 TO 292.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED AND SHOULD REMAIN UNSETTLED UNTIL 17 MAY. ACTIVE CONDITIONS ARE EXPECTED ON THIS DATE IN RESPONSE TO THE EQUATORIAL CORONAL HOLE.

III. EVENT PROBABILITIES 15 MAY-17 MAY

CLASS M 05/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 MAY 129

PREDICTED 15 MAY-17 MAY 128/130/132

90 DAY MEAN 14 MAY 180

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 MAY 006/008

ESTIMATED AFR/AP 14 MAY 011/009

PREDICTED AFR/AP 15 MAY-17 MAY 012/010-012/010-028/025

SOLTERWARN

BT

HXUS BOU 142200

PREDM 00515 01016 01017

PREDX 00115 00116 00117

PREDP 00115 00116 00117

PCAFT 00115

TENCM 12815 13016 13217

AFRED 01215 01216 02817

AFAPF 01015 01016 02517

BT