

HFUS 1 BOU 121300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 132A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 12 MAY 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/1200Z TO 12/1200Z: SOLAR ACTIVITY HAS BEEN MODERATE. REGION 3717 (S05W64) PRODUCED AN M1/SB AT 12/0207UT. THIS FLARE PRODUCED ONLY MINOR CENTIMETER BURSTS. DECAY CONTINUES IN THE TRAILER OF REGION 3717. ANOTHER SINGLE CLASS H SUNSPOT HAS ROTATED ONTO THE DISK AND WAS NUMBERED 3731 (S03E73). SPOTLESS PLAGE 3726 (S04W43) HAS BEGUN TO REEMERGE RAPIDLY AND SPOTS HAVE ONCE AGAIN BECOME VISIBLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD RESUME LOW LEVELS. A SLIGHT POSSIBILITY EXISTS FOR REGION 3717 TO PRODUCE A CLASS M FLARE PRIOR TO WEST LIMB TRANSIT. PREVIOUSLY ACTIVE LONGITUDES ARE EXPECTED TO BEGIN RETURNING TO THE EAST LIMB AT THE END OF THE FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. UNSETTLED CONDITIONS SHOULD PREVAIL UNTIL LATE ON 13 MAY WHEN ACTIVE LEVELS SHOULD BEGIN TO BE EXPERIENCED IN RESPONSE TO A FILAMENT ERUPTION ON 10 MAY. ACTIVE CONDITIONS SHOULD CONTINUE THROUGH 14 MAY WITH UNSETTLED LEVELS RETURNING ON 15 MAY.

III. EVENT PROBABILITIES 13 MAY-15 MAY

CLASS M 20/20/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 MAY 130

ESTIMATED 12 MAY 125

PREDICTED 13 MAY-15 MAY 120/110/115

90 DAY MEAN 11 MAY 183

V. GEOMAGNETIC A INDICES

OBSERVED AFR 10 MAY 005 AP 11 MAY 010

ESTIMATED AFR 11 MAY 011 AFR/AP 12 MAY 010/010

PREDICTED AFR/AP 13 MAY-15 MAY 014/015-018/015-012/010

SOLTERWARN

BT

HFHS 3 RCU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 1328

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 12 MAY 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/1200Z TO 12/2100Z. SOLAR ACTIVITY IS LOW. THE DISK CONTINUES TO GENERATE NEW REGIONS AND REVIVE OLD ONES. REGION 3722 (S07W51) DEVELOPED SPOTS AGAIN AND IS NOW A SMALL BETA GROUP. REGION 3723 (S05W02) DEVELOPED ON THE DISK TODAY AND REGION 3733 (S17E60) ROTATED OVER THE EAST LIMB. NO ACTIVITY HAS BEEN REPORTED SINCE 1200Z.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A LOW LEVEL.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD IS BASICALLY QUIET. UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED DURING THIS FORECAST PERIOD AS THE FIELD RESPONDS TO A FILAMENT DISAPPEARANCE THAT OCCURRED ON 10 MAY.

III. EVENT PROBABILITIES 13 MAY - 15 MAY

CLASS M 20/20/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 MAY 130

PREDICTED 13-15 MAY 128/123/123

90-DAY MEAN 12 MAY 182

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 MAY 11/10

ESTIMATED AFR/AP 12 MAY 08/10

PREDICTED AFR/AP 13-15 MAY 14/15 - 18/15 - 12/10

SOLTERWARN

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