

HFUS 1 BOU 071300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 127A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 07 MAY 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/1200Z TO 07/1200Z: SOLAR ACTIVITY HAS BEEN LOW. REGION 3717 (S05E04) REMAINS THE MOST INTERESTING REGION ON THE DISK AND HAS PRODUCED THE ONLY FLARES IN THE PAST 24 HOURS. THE LARGEST FLARE WAS A C5/SB AT 07/0924Z. THE REGION HAS BEEN GROWING RAPIDLY FOR THE PAST 2 DAYS AND DEVELOPED A SLIGHTLY COMPLEX SPOT GROUP ON 6 MAY. IN THE LAST 12 HOURS THE REGION HAS DECREASED ITS RATE OF GROWTH AND RETURNED TO A SIMPLE STRUCTURE. MINOR GROWTH IS ALSO REPORTED IS VERY SMALL REGION 3721 (S08E53). ALL OTHER REGIONS ARE STABLE OR DECLINING.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW WITH AN ISOLATED M CLASS EVENT POSSIBLE FROM REGION 3717 AS IT CONTINUES TO DEVELOP.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN QUIET. UNSETTLED TO QUIET CONDITIONS ARE EXPECTED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 08 MAY-10 MAY

CLASS M 35/35/35

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 MAY 150

ESTIMATED 07 MAY 151

PREDICTED 08 MAY-10 MAY 153/155/155

90 DAY MEAN 06 MAY 189

V. GEOMAGNETIC A INDICES

OBSERVED AFR 05 MAY 016 AP 06 MAY 008

ESTIMATED AFR 06 MAY 008 AFR/AP 07 MAY 007/010

PREDICTED AFR/AP 08 MAY-10 MAY 012/015-010/015-010/010

SOLTERWARN

BT

HFUS 3 BOU 072200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 127B
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 07 MAY 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/1200Z TO 07/2100Z: SOLAR ACTIVITY HAS BEEN LOW. NO EVENTS WERE REPORTED THIS PERIOD. REGION 3717(S05W24) APPEARED TO STABILIZE IN THE EARLY HOURS OF 07 MAY AND FROM RECENT REPORTS, MAY HAVE BEGUN TO DECLINE. REGION 3724 (S21E26), AN A CLASS GROUP, WAS NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. SOME ACTIVITY MAY OCCUR DURING THE DECAY OF REGION 3717 WHICH APPEARS IN PROGRESS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN QUIET. IT IS EXPECTED TO REMAIN AT OR NEAR QUIET LEVELS FOR THE PERIOD.

III. EVENT PROBABILITIES 08 MAY-10 MAY

CLASS M 35/35/35

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 MAY 148

PREDICTED 08 MAY-10 MAY 148/146/142

90 DAY MEAN 07 MAY 187

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 MAY 007/008

ESTIMATED AFR/AP 07 MAY 007/008

PREDICTED AFR/AP 08 MAY-10 MAY 008/015-006/015-006/010

SOLTERWARN

BT

HXUS BOU 072200

PREDM 03508 03509 03510

PREDX 00108 00109 00110

PREDP 00108 00109 00110

PCAFT 00108

TENCM 14808 14609 14210

AFRED 00808 00609 00610

AFAPF 01508 01509 01010

BT