

HFUS 1 BOU 210600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 202A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 21 JULY 1974

IA. SOLAR ACTIVITY REMAINS VERY LOW. NO FLARES HAVE BEEN REPORTED
FOR THE PAST 8 HOURS.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. REGIONS CURRENTLY
VISIBLE ON THE SOLAR DISK ARE QUIET.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED FOR THE PAST
8 HOURS. THE FIELD IS EXPECTED TO CONTINUE UNSETTLED FOR THE NEXT
24 HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

SPAN

BT

HFUS 1 BOU 211400

HFUS 1 BOU 211400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 202B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 21 JULY 1974

IA. SOLAR FLARE ACTIVITY REMAINS VERY LOW, WITH NO FLARES REPORTED DURING THE LAST 8 HOURS. LIMB ACTIVITY FROM THE SOUTHEAST LIMB HAS CONTINUED. A NEW SPOT GROUP IS VISIBLE AT S13 E40. PLAGE GROWTH IS REPORTED FROM ACTIVE REGIONS 442(S10 W56) AND 445 (S04 W59), INCREASING THEIR INTERACTIVE POTENTIAL.

IB. FLARE ACTIVITY IS EXPECTED TO REMAIN VERY LOW, BUT LIMB ACTIVITY FROM BOTH SOUTHEAST AND SOUTHWEST LIMBS IS EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN VERY SLIGHTLY UNSETTLED THROUGH THE LOCAL NIGHT, AND IS EXPECTED TO RETURN TO SOMEWHAT UNSETTLED CONDITIONS AS LOCAL NIGHT APPROACHES. PROTON FLUXES AT SATELLITE ALTITUDES ARE AT BACKGROUND.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX

OBSERVED NO CHANGE

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG NO CHANGE

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HFUS BOU 212210

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 202

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 21 JULY 1974

IA. SOLAR ACTIVITY HAS BEEN VER LOW, WITH NO (OPTICAL) FLARES REPORTED DURING THE LAST 24 HOURS. A VERY TINY X-RAY EVENT WAS OBSERVED AT 1728 U.T. TODAY, AND HAD A SMALL CENTIMETRIC RADIO BURST, AND A DEKAMETRIC TYPE III IN COINCIDENCE. A NEW ACTIVE REGION IS APPARENT AT S13E31, AND IS ALREADY A TYPE C SPOT GROUP. AN ARCH FILAMENT SYSTEM INDICATES THE DYNAMIC NATURE OF THIS YOUNG REGION. CONTINUED LIMB ACTIVITY IS REPORTED EAST OF REGION 451 (S09E69).

IB. FLARE ACTIVITY WILL INCREASE SLIGHTLY DURING THE FORECAST PERIOD, BUT ENERGETIC EVENTS ARE NOT EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BECOME UNSETTLED DURING THE LAST FEW HOURS, AND IS EXPECTED TO BECOME ACTIVE DURING THE NEXT 12 HOURS. THIS ACTIVITY IS EXPECTED TO PERSIST THROUGH THE FORECAST PERIOD, AS A RESULT OF A RECURRENT SECTOR STRUCTURE IN THE INTERPLANETARY FIELD. PROTON FLUXES ARE AT BACKGROUND.

III. EVENT PROBABILITIES 22-24 JULY

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 JULY 086

PREDICTED 22-24 JULY 092/095/098

90-DAY MEAN 21 JULY 090

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 JULY 09

ESTIMATED AFR/AP 21 JULY 09/10

PREDICTED AFR/AP 22-24 JULY 20/24-22/28-16/18

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