

HFUS 1 BOU 220600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 203A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 22 JULY 1974

IA. SOLAR ACTIVITY CONTINUES VERY LOW. NO SIGNIFICANT CHANGES HAVE
OCCURRED ON THE DISK.

IB. ACTIVITY IS EXPECTED TO REMAIN VERY LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO MILDLY UNSETTLED. ACTIVE
CONDITIONS DUE TO A RECURRENT SECTOR STRUCTURE ARE EXPECTED TO
COMMENCE LATE 22 JULY.

III. NO CHANGE.

IV. NO CHANGE.

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 JULY 09

ESTIMATED AFR/AP 21 JULY 09/10

PREDICTED AFR/AP 22-24 JULY 13/14-22/28-16/18

SOLTERWARN

SPAN

BT

HFUS 1 BOU 221400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 203B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 22 JULY 1974

IA. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL; HOWEVER, A SMALL RADIO BURST ON FREQUENCIES 410, 606 AND 1415 MHZ WAS REPORTED AT 221050 U.T. NO OPTICAL DATA WAS REPORTED IN CONJUNCTION WITH THIS BURST BUT THERE WAS ALSO A RISE IN THE X-RAY BACKGROUND AT THAT TIME. OBSERVATORY REPORTS INDICATE THAT NO MAJOR CHANGES IN THE VISIBLE FEATURES HAVE OCCURRED ALTHOUGH RGN 452(S13E30) IS SHOWING SOME SIGNS OF DYNAMIC BEHAVIOR.

IB. A SLIGHT INCREASE IN THE LEVEL OF SOLAR ACTIVITY CAN BE EXPECTED WITH A CORRESPONDING LIKELIHOOD OF AN ENERGETIC EVENT.
(SEE PART III)

II. THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE IN NIGHTTIME SECTORS DURING THE PAST 12 HOURS. A RECURRENT DISTURBANCE IS EXPECTED LATE TODAY OR EARLY ON 23 JULY THAT SHOULD PERSIST FOR SEVERAL DAYS. (SEE PART V)

III. EVENT PROBABILITIES 22 - 24 JULY

CLASS M 05/10/10

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 13/14 - 22/28 - 22/28

SOLTERWARN

SPAN

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HFUS BOU 222220

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 203

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 22 JULY 1974

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. VERY SMALL X-RAY EVENTS HAVE BEGUN. ONE, AT 1445 U.T. WAS ASSOCIATED WITH A SUBFLARE IN DEVELOPING REGION 452 (S13E19). ANOTHER, AT 1624 U.T., WAS A GRADUAL-RISE-AND-FALL EVENT, WHICH MAY HAVE BEEN ASSOCIATED WITH POINT BRIGHTENINGS IN 452, OR MAY FORETELL THE RETURN OF OLD REGION 433 TO EAST LIMB (SEE PART IB).

IB. CLASS C EVENTS, AT A RATE OF ONE EVERY THREE OR FOUR HOURS, ARE ANTICIPATED. LIMB EVENTS OF SUBSTANTIAL SIZE ARE EXPECTED AS OLD REGION 433 (S14) CROSSES EAST LIMB DURING THE NEXT TWO DAYS. FLARE PROBABILITIES MAY INCREASE SUBSTANTIALLY SHOULD THIS REGION BE ACTIVE WHEN IT BECOMES VISIBLE.

II. THE GEOMAGNETIC FIELD HAS OCCASIONALLY BEEN UNSETTLED. IT IS EXPECTED TO BECOME ACTIVE DURING THE NEXT 24 HOURS, THEN SLOWLY RETURN TO UNSETTLED CONDITIONS. PROTON FLUXES ARE AT BACKGROUND.

III. EVENT PROBABILITIES 23-25 JULY

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 JULY 93

PREDICTED 23-25 JULY 97/99/101

90-DAY MEAN 22 JULY 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 JULY 09

ESTIMATED AFR/AP 22 JULY 09/10

PREDICTED AFR/AP 23-25 JULY 20/24-22/28-21/26

SOLTERWARN

SPAN

BT