

HFUS 1 BOU 070500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 280A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 07 OCTOBER 1974

IA. DURING THE PAST EIGHT HOURS SOLAR ACTIVITY HAS BEEN VERY LOW.
THE DISK REGIONS APPEAR STABLE AND QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO BE AT A MODERATE LEVEL DURING THE
NEXT 24 HOURS. CLASS C AND A FEW CLASS M FLARES ARE EXPECTED. REGION
503 (N09E65) IS THE MOST INTERESTING DISK FEATURE AND CAPABLE OF
FLARE PRODUCTION.

II. THE GEOMAGNETIC FIELD IS QUIET AND THE FIELD WILL REMAIN QUIET
DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES - NO CHANGE

IV. OTTAWA 10.7 CM FLUX - NO CHANGE

V. GEOMAGNETIC A INDICES - NO CHANGE
SOLTERWARN

BT

HFUS BOU 071430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO
SDF NUMBER 280B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 07 OCT 1974

IA. SOLAR ACTIVITY CONTINUED MODERATE DURING THE LAST 24 HOURS.
REGION 503 (N09E60) HAS PRODUCED NUMEROUS SUBFLARES AND A 1N,
X RAY CLASS M2 FLARE AT 06/2134Z. THIS REGION NOW CONTAINS AN E
TYPE SPOT GROUP WITH A BETA GAMMA MAGNETIC CONFIGURATION.

CONSIDERABLE GROWTH WAS NOTED IN THE INTERMEDIATE AND TRAILER SPOTS.
REGION 501 (S19E17) CONTAINS A MODERATE SIZED PLAGE SHOWING POINT
BRIGHTENINGS TO NEAR FLARE INTENSITY AND A 1F-FLARE AT 07/0607Z.

IB. SOLAR ACTIVITY SHOULD CONTINUE MODERATE WITH ADDITIONAL
ENERGETIC ACTIVITY LIKELY FROM REGION 503.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET DURING THE LAST
24 HOURS AND QUIET CONDITIONS ARE EXPECTED THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 07 OCT - 09 OCT

CLASS M 70/70/70

CLASS X 20/20/20

PROTON 02/03/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 OCT 115

PREDICTED 07 OCT - 09 OCT 118/118/118

90-DAY MEAN 06 OCT 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 05 OCT 09

ESTIMATED AFR/AP 06 OCT 10/10

PREDICTED AFR/AP 07 OCT - 09 OCT 06/09 - 05/06 - 05/06

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HFUS BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 280

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 07 OCTOBER 1974

IA. SOLAR ACTIVITY HAS DECREASED SOMEWHAT DURING THE LAST 24 HOURS WITH NO ENERGETIC EVENTS REPORTED. HOWEVER, THE COMPLEX OF REGIONS IN THE NE CONSISTING OF 502 (N11E38), 505 (N11E44) AND 503 (N10E54) RETAINS CONSIDERABLE OVERALL COMPLEXITY. REGION 503 CONTAINS AN E TYPE SPOT GROUP WITH A GAMMA MAGNETIC CONFIGURATION AND A POSSIBLE DELTA. THIS REGION PRODUCED THE CLASS M FLARES YESTERDAY AND SEVERAL SUBFLARES EARLY TODAY. REGION 501 (S18E09) CONTAINS A BRIGHT PLAGE AND HAS PRODUCED SEVERAL NON-ENERGETIC SUBFLARES TODAY. ALTHOUGH THIS REGION APPEARS TO HAVE A SIMPLE BETA MAGNETIC STRUCTURE, THE NEUTRAL LINE IS SHARPLY KINKED. THE 1-8 ANGSTROM X-RAY BACKGROUND AS MEASURED BY GOES REMAINS HIGH AND FLUCTUATING. A STRONG TYPE IV CONTINUUM FROM 8 TO 80 MHZ HAS BEEN OBSERVED THROUGHOUT THE DAY.

IB. THE CHANCE OF ADDITIONAL ENERGETIC FLARES FROM THE COMPLEX IN THE NE REMAINS HIGH, WITH A SMALL CHANCE OF ENERGETIC FLARES FROM REGION 501.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE LAST 24 HOURS AND SHOULD REMAIN QUIET THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 08 OCT - 10 OCT

CLASS M 70/70/70

CLASS X 20/20/20

PROTON 03/05/15

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 OCT 116

PREDICTED 08 OCT - 10 OCT 118/118/118

90-DAY MEAN 07 OCT 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 OCT 11

ESTIMATED AFR/AP 07 OCT 07/07

PREDICTED AFR/AP 08 OCT - 10 OCT 05/06 - 05/06 - 05/06

SOLTERWARN

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