

HFUS 1 BOU 280500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 281A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 08 OCTOBER 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. NO
SIGNIFICANT CHANGES HAVE BEEN REPORTED IN THE VISIBLE DISK
FEATURES.

IB. IN SPITE OF THE LULL IN ACTIVITY, THE PROBABILITY OF ENERGETIC
FLARES REMAINS HIGH.

II. THE GEOMAGNETIC FIELD IS QUIET TO UNSETLED AND NO CHANGE IS
EXPECTED.

III. EVENT PROBABILITIES - NO CHANGE

IV. OTTAWA 10.7 CM FLUX - NO CHANGE

V. GEOMAGNETIC A INDICES - NO CHANGE

SOLTERWARN

BT

HFUS 1 BOU 281430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 281B

JOINT AFG2:/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 08 OCT 1974

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE LAST 24 HOURS WITH NO CLASS M OR GREATER FLARES REPORTED. REGION 503 (N10E46) CONTINUES TO PRODUCE OCCASIONAL MIDDLE SIZED CLASS C EVENTS, AND AT 08/1131Z A 0B FLARE WAS ACCCOMPANIED BY A C8, X-RAY EVENT. THIS REGION REMAINS COMPLEX MAGNETICALLY WITH A CONFIRMED DELTA CONFIGURATION IN THE TRAILING PORTION. REGION 501 (S18E01) ALSO CONTAINS A BRIGHT PLAGE AND HAS PRODUCED SEVERAL SUBFLARES, BUT DOES NOT APPEAR AS COMPLEX AS REGION 503. TYPE IV CONTINUUM CONTINUES FROM 18-80 MHZ. THE 1-8 ARGSTROM X-RAY BACKGROUND ALSO REMAINS HIGH AND FLUCTUATING. THE 08/14Z OTTAWA 10.7 CM FLUX WAS 128.5.

IB. ADDITIONAL ENERGETIC ACTIVITY STILL APPEARS LIKELY, PRIMARILY FROM REGION 503.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND SHOULD CONTINUE QUIET THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 08 - 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 - 10 OCT 128/126/124

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 - 10 OCT 05/06 - 05/06 - 05/06

SOLTERWARN

BT

HFUS BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO.
SDF NUMBER 281

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 08 OCT 1974

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE LAST 24 HOURS. REGION 503 (N08E42) HAS PRODUCED SEVERAL CLASS C SUBFLARES AND AT 08/1456Z, A CB FLARE WAS ACCCOMPANIED BY AN M1 X RAY EVENT. SPOT GROWTH SINCE YESTERDAY HAS RESULTED IN A VERY COMPLEX MAGNETIC CONFIGURATION WITH THREE DELTAS AS MEASURED BY THE BOULDER SPECTROHELIOPHOTOGRAPH. REGION 501 (S18W01) ALSO CONTAINS A VERY BRIGHT PLAGE AND HAS PRODUCED A FEW SUBFLARES. SPOT GROWTH HAS ALSO OCCURRED HERE, RESULTING IN A RELATIVELY COMPLEX BETA-GAMMA MAGNETIC CONFIGURATION. REGION 500 (N05E09) HAS ALSO SHOWN SOME SPOT GROWTH AND NOW CONTAINS A SMALL, BRIGHT PLAGE WITH AN EAST-WEST NEUTRAL LINE. STRONG TYPE IV CONTINUUM AT DEKAMETRIC WAVELENGTHS CONTINUES. THE 1-8 ANGSTROM X RAY BACKGROUND AS MEASURED BY GOES REMAINS HIGH AND FLUCTUATING.

IB. THERE IS A GOOD CHANCE OF ADDITIONAL ENERGETIC ACTIVITY FROM REGION 503 WITH AN INCREASING CHANCE OF CLASS M EVENTS FROM REGION 501.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE LAST 24 HOURS AND SHOULD REMAIN QUIET THROUGH MOST OF THE NEXT 2 DAYS. HOWEVER, A RECURRENT DISTURBANCE SHOULD RESULT IN MINOR STORM CONDITIONS LATE ON 10 OCT OR 11 OCT.

III. EVENT PROBABILITIES 09 OCT - 11 OCT

CLASS M 75/75/75

CLASS X 30/30/30

PROTON 05/15/25

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 OCT 126

PREDICTED 09 OCT-11 OCT 126/125/122

90-DAY MEAN 08 OCT 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 OCT 07

ESTIMATED AFR/AP 08 OCT 05/06

PREDICTED AFR/AP 09 OCT-11 OCT 05/06 - 10/11 - 30/42

SOLTERVARN

BT