

HFUS 1 BOU 170450

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 076A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 17 MARCH 1975

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

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST
EIGHT HOURS. THE FIELD IS EXPECTED TO BE UNSETTLED TO QUIET DURING
THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 17 MAR - 19 MAR

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 MAR 77

PREDICTED 17 MAR - 19 MAR 76/74/72

90-DAY MEAN 16 MAR 77

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 MAR 16

ESTIMATED AFR/AP 16 MAR 20/25

PREDICTED AFR/AP 17 MAR - 19 MAR 13/16 - 12/14 - 08/09

SOLTERWARN

BT

HFUS 1 BOU 171430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 076B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 17 MARCH 1975

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST 8 HOURS,
AND NO ENERGETIC ACTIVITY HAS BEEN REPORTED. REGIONS 572 (S14W42)
AND 573 (S11W78) BOTH APPEAR STRUCTURALLY MORE SIMPLE AND LESS IM-
PRESSIVE IN H-ALPHA THAN 24 HOURS AGO.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL.
INFREQUENT MINOR FLARES ARE LIKELY IN REGIONS 572 AND 573, BUT
SIGNIFICANT ENERGETIC ACTIVITY IS NOT ANTICIPATED.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE DURING THE
PAST 8 HOURS. GENERALLY UNSETTLED CONDITIONS ARE EXPECTED THROUGH
THE REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 17 - 19 MARCH

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 MAR 77

PREDICTED 17 - 19 MAR 76/74/72

90-DAY MEAN 16 MAR 77

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 MAR 16

ESTIMATED AFR/AP 16 MAR 20/25

PREDICTED AFR/AP 17 - 19 MAR 13/16 - 12/14 - 08/09

SOLTERWARN

BT

HFUS 1 BOU 172200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 076

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 17 MARCH 1975

IA. SOLAR ACTIVITY HAS REMAINED AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. REGIONS 572 (S14W45) AND 573 (S11W81) APPARENTLY HAVE STOPPED GROWING IN H-ALPHA AND WHITE LIGHT. BOTH OF THESE REGIONS CONTAIN SIMPLE BIPOLAR SPOT GROUPS OF NORMAL ORIENTATION. AN INTERESTING DOUBLE-PEAKED X-RAY EVENT BEGAN AT 17/1752Z. AT 1800Z, THE X-RAY FLUX REACHED A CLASS C1 MAXIMUM AND THEN BEGAN TO DECLINE NORMALLY. BY 1830Z, HOWEVER, THE 1-8 ANGSTROM FLUX BEGAN TO INCREASE GRADUALLY, REACHING A WEAK SECOND MAXIMUM AT ABOUT 1945Z. SINCE OPTICAL OBSERVATIONS REVEALED ONLY A SMALL SURGE AT S15W90 DURING THE INTERVAL 1800-1815Z, IT IS REASONABLE TO ASSUME THAT THIS X-RAY EVENT WAS PRODUCED BY REGION 571 (S12, L-117), NOW LOCATED BEHIND THE WEST LIMB. AS OF 17/2130Z, THE X-RAY FLUX AT 1-8 ANGSTROMS WAS STILL ENHANCED BUT DECAYING VERY GRADUALLY TOWARD NORMAL BACKGROUND.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. REGIONS 572 AND 573 PROBABLY WILL CONTINUE TO DECAY GRADUALLY. REGION 571 SOON WILL BE SHIELDED MORE COMPLETELY BEHIND THE WEST LIMB. SIGNIFICANT ENERGETIC ACTIVITY IS UNLIKELY DURING THE THREE-DAY FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS EXHIBITED A GRADUAL QUIETING TREND DURING THE PAST 24 HOURS. THIS QUIETING TREND IS EXPECTED TO CONTINUE THROUGH THE NEXT THREE DAYS, BUT UNSETTLED CONDITIONS REMAIN LIKELY DURING LOCAL NIGHTTIME, ESPECIALLY AT HIGH MAGNETIC LATITUDES.

III. EVNET PROBABILITIES 18 MAR - 20 MAR

CLASS M	05/05/05
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	17 MAR 76
PREDICTED	18 MAR - 20 MAR 73/71/70
90-DAY MEAN	17 MAR 77

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	16 MAR 24
ESTIMATED AFR/AP	17 MAR 12/15
PREDICTED AFR/AP	18 MAR - 20 MAR 09/11 - 08/09 - 06/07

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