

HFUS 1 BOU 230500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 266A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 23 SEPTEMBER 1974

IA. A CLASS M-5 X-RAY EVENT STARTED AT 22/2200Z AND REACHED A
MAXIMUM AT 22/2359Z. A 10 CM RADIO BURST OCCURRED AT 22/2342Z
WITH 666 FLUX UNITS. NO OPTICAL EVENT WAS OBSERVED.

IB. SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW WITH ONLY THE ONE
REGION 493 (S14W75) ON THE VISIBLE DISK. A SMALL PCA EVENT IS
EXPECTED FROM THE ABOVE MENTIONED EVENT. PROBABLE ONSET TIME
ABOUT 23/0800Z.

II. THE MINOR GEOMAGNETIC DISTURBANCE CONTINUES AND SHOULD CONTINUE
DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 23 SEPT - 25 SEPT

CLASS M 15/10/05

CLASS X 05/02/01

PROTON 05/02/01

PCAF RED

IV. OTTAWA 10.7 CM FLUX - NO CHANGE

V. GEOMAGNETIC A INDICES - NO CHANGE

SOLTERWARN

BT

HFUS BOU 231430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 266B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 23 SEPT 1974

IA. A LARGE PROMINENCE LOCATED NEAR SW05 ERUPTED NEAR 1200Z. X-RAYS
ATTAINED THE CLASS M-2 LEVEL, AND RADIO BURSTS AT VARIOUS FREQUENCIES
(I.E. 730 FLUX UNITS AT 10CM.) AND SHORT WAVE FADES WERE ASSOCIATED.
A TYPE IV SWEEP EVENT, INDICATING SIGNIFICANT CORONAL ACTIVITY,
WAS ALSO OBSERVED. THE WEST LIMB HAS BEEN QUIET SINCE THIS EVENT.
THE VISIBLE DISK IS DULL.

IB. VERY LITTLE, IN THE WAY OF ACTIVITY WILL ORIGINATE ON THE
VISIBLE DISK. HOWEVER, OCCASIONAL ACTIVITY IS STILL LIKELY AT WEST
LIMB.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED THUS FAR TODAY.
SIMILAR CONDITIONS ARE EXPECTED THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 23 - 25 SEPT

CLASS M 15/10/05

CLASS X 05/02/01

PROTON 05/02/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 SEPT 80

PREDICTED 23 - 25 SEPT 78/75/73

90-DAY MEAN 22 SEPT 89

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 SEPT 27

ESTIMATED AFR/AP 22 SEPT 25/31

PREDICTED AFR/AP 23 - 25 SEPT 12/15 - 15/18 - 14/17

SOLTERWARN

BT

HFUS BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 266

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 23 SEPT 1974

IA. THE EPL (SW05) WHICH OCCURRED NEAR 1200Z WAS THE MOST SIGNIFICANT ACTIVITY OF THE PAST DAY. MODERATE RADIO BURSTS, SHORT-WAVE FADES, AND TYPE IV SWEEP ACTIVITY ACCOMPANIED THE CLASS M-2 EVENT. THE WEST LIMB HAS BEEN QUIET SINCE THAT TIME. REGION 494 (N12E17) IS A NEW, SIMPLE "A" TYPE GROUP, BORN ON THE DISK EARLIER TODAY. THE REMAINDER OF THE DISK IS DULL AND UNIMPRESSIVE.

IB. SOLAR ACTIVITY WILL REMAIN AT A VERY LOW LEVEL. NO OLD ACTIVE REGIONS ARE DUE TO RETURN DURING THE PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST 24 HOURS. UNSETTLED TO ACTIVE LEVELS ARE ANTICIPATED THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 24 - 26 SEPT

CLASS M 10/05/05

CLASS X 02/01/01

PROTON 02/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 SEPT 74

PREDICTED 24-26 SEPT 73/72/71

90-DAY MEAN 23 SEPT 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 22 SEPT 26

ESTIMATED AFR/AP 23 SEPT 12/13

PREDICTED AFR/AP 24-26 SEPT 15/17 - 18/21 - 13/15

SOLTERWARN

BT