

HFUS BOU

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 033A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600 Z 02 FEBRUARY 1974

1A. *Solar activity has been very low during the past 8 hours. no flares have been observed and the limbs appear quiet.*

1B *Solar activity will continue at a very low level.*

II. *The geomagnetic field is slightly disturbed and will remain that way during the next seven hours*

III. EVENT PROBABILITIES *no change*
CLASS M / /
CLASS X / /
PROTON / /
PCAF

IV. OTTAWA 10.7 CM FLUX *no change*
OBSERVED
PREDICTED - / /
90-DAY MEAN

V. GEOMAGNETIC A INDICES *no change*
OBSERVED FREDERICKSBURG
ESTIMATED A_{FR}/A_p /
PREDICTED A_{FR}/A_p - / - /

NOTE: A recent comparison between two years of Fredericksburg and Planetary Magnetic indices has shown that A_p appears higher than A_{FREDERICKSBURG}. Therefore, both indices will be included in future forecasts. Only extrapolated A_p balues will be given since the computation and publi-cation of the actual observed A_p values require approximately three months.

HFUS BOU 021300
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 033B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 02 FEB 1974
IA. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. A SMALL SPOT
(REGION 342) EMERGED NEAR S06W30 WHILE LITTLE ELSE ON THE DISK
HAS CHANGED.
IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A VERY LOW LEVEL.
II. THE GEOMAGNETIC FIELD IS QUIET TO SLIGHTLY UNSETTLED AND NO
CHANGE IS EXPECTED.
III. EVENT PROBABILITIES 02 - 04 FEB
CLASS M 03/03/03
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 01 FEB 072
PREDICTED 02 - 04 FEB 074/075/076
90-DAY MEAN 01 FEB 083
V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 31 JAN 13
ESTIMATED AFR/AP 01 FEB 08/09
PREDICTED AFR/AP 02 - 04 FEB 08/09 - 07/08 - 07/08
SOLTERWARN
SPAN
BT

HFUS BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 033

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 02 FEB 1974

IA. SOLAR ACTIVITY HAS REMAINED AT A VERY LOW LEVEL WITH ONLY SIX NON-ENERGETIC SUBFLARES REPORTED SINCE 24 JANUARY. NO FLARES HAVE OCCURRED IN THE PAST 24 HOURS, AND RGN 338 (S05E29), A SIMPLE A-TYPE GROUP, CONTAINS THE ONLY SUNSPOTS ON THE DISK. NEW RGN 343, A REVERSED POLARITY PLAGE (POSSIBLY NEW CYCLE), IS APPARENT IN THE KITT PEAK FULL DISK MAGNETOGRAM AT S43E17.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW, BUT SHOULD INCREASE SLIGHTLY AS THE ACTIVE LONGITUDES CONTAINING OLD REGIONS 315, 323, 318, AND 316 ROTATE ONTO THE DISK DURING THE NEXT 72 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY UNSETTLED. UNSETTLED TO QUIET CONDITIONS ARE EXPECTED TO CONTINUE.

III. EVENT PROBABILITIES 03-05 FEB

CLASS M 03/03/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 FEB 75

PREDICTED 03-05 FEB 78/82/86

90-DAY MEAN 02 FEB 83

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 FEB 10

ESTIMATED AFR/AP 02 FEB 7/8

PREDICTED AFR/AP 03-05 FEB 06/07 - 07/08 - 08/09

SOLTERWARN

SPAN

BT