

HFUS 1 BOU 300500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 121A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 30 APRIL 1976

IA. SOLAR ACTIVITY HAS BEEN INCREASING SLIGHTLY AND IS NOW
CLASSIFIED AS MODERATE, DUE TO RAPID DEVELOPMENT OF REGION 700
(S09W38). PERIODIC (1 HR) SUB-FLARE OPTICAL AND X-RAY INTENSIFICATIONS
PERSIST. OTHER REGIONS ARE DECLINING AND THE REMAINDER OF THE
DISK REMAINS QUIET.

IB. ACTIVITY LEVELS SHOULD REMAIN MODERATE AS ACTIVITY FROM REGION
700 INCREASES. CLASS-M X-RAY FLARES ARE LIKELY DURING THE NEXT
FEW DAYS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE DURING THE
PAST 8 HOURS, THOUGH ACTIVE CONDITIONS SHOULD PREVAIL THRU
THE FORECAST PERIOD.

III. EVENT PROBABILITIES 30 APR-02 MAY

CLASS M 50/50/25

CLASS X 01/02005

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 APR 79

PREDICTED 30 APR - 02 MAY 80/80/81

90-DAY MEAN 29 APR 75

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 APR 12

ESTIMATED AFR/AP 29 APR 12/18

PREDICTED AFR/AP 30 APR-02 MAY 25/30 - 20/30 - 20/30

SOLTERWARN

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HFUS 1 BOU 301500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 121-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 30 APR 1976

IA. SOLAR ACTIVITY HAS BEEN LOW WITH REGION 700 (S09W43)
PRODUCING OCCASSIONAL CLASS C X-RAY EVENTS. REGION CONTINUES TO
DEVELOP IN BOTH WHITE LIGHT AND H-ALPHA, PLAGE IS NEAR FLARE
BRIGHTNESS AND SPOT GROUP IS COMPLEX. OTHER REGIONS AND LIMBS
QUIET.

IB. ACTIVITY SHOULD REMAIN LOW, HOWEVER, OCCASIONAL CLASS
M X-RAY EVENTS ARE POSSIBLE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE AND IS
EXPECTED TO REMAIN THE SAME THRU THE FORECAST PERIOD.

III. EVENT PROBABILITIES 30 -APR - 02 MAY

CLASS M 50/50/25

CLASS X 01/02/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED

29 APR 79

PREDICTED

30 APR - 02 MAY 80/80/81

90-DAY MEAN

29 APR 75

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG

28 APR 12

ESTIMATED AFR/AP

29 APR 13/18

PREDICTED AFR/AP

30 APR-02 MAY 15/30 - 20/20 - 20/20

SOLTERWARN

BT

HFUS & BOU 302230

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 121

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 30 APR 1976

IA. SOLAR ACTIVITY INCREASED WITH A 2-B OPTICAL FLARE FROM
AR700 (S09W46) AT 2110Z. FLARE ACCOMPANIED BY AN X-2 X-RAY
EVENT, TYPE IV NOISE STORM AND MAJOR 10 CM BURST. REGION CONTINUES
TO DEVELOP. SPOT GROUP IS NOW GAMMA WITH A DELTA CONFIGURATION.

IB. AR 700 EXPECTED TO CONTINUE TO PRODUCE CLASS C-M X-RAY EVENTS
WITH A POSSIBILITY OF ADDITIONAL MAJOR ACTIVITY.

II. MINOR TO MODERATE PROTON EVENT HAS BEGUN. MINOR TO MODERATE
MAG STORM EXPECTED IN 30-50 HOURS.

III. EVENT PROBABILITIES 1-3 MAY

CLASS M 75/60/50

CLASS X 15/10/05

PROTON 10/05/05

PCAF RED

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 APR 80

PREDICTED 01-03 MAY 80/81/80

90-DAY MEAN 30 APR 75

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 APR 13

ESTIMATED AFR/AP 30 APR 11/15

PREDICTED AFR/AP 01-03 MAY 20/20 - 20/20 - 15/20

SOLTERWARN

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