

HFUS 1 BOU 170600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 017A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 17 JAN 1974

IA. NO SIGNIFICANT SOLAR ACTIVITY HAS BEEN REPORTED SINCE THE
2200Z FORECAST.

IB. ACTIVITY IS EXPECTED TO REMAIN LOW.

II. THE GEOMAGNETIC FIELD WAS QUIET UNTIL 17/0240Z, WHEN
A BOULDER K INDEX OF 5 RAPIDLY DEVELOPED. UNSETTLED TO ACTIVE
CONDITIONS ARE EXPECTED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

SOLTERWARN

SPAN

BT

HFUS 1 BOU 171300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 017B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 17 JANUARY 1974

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST SEVEN HOURS,
AND NO FLARES HAVE BEEN REPORTED. MINOR SURGES HAVE BEEN OBSERVED AT
N07E90, WHERE A SMALL NEW REGION MAY BE CROSSING THE LIMB. WEAK ARCH
FILAMENTS PRESENT IN REGION 323 (N09W56) SUGGEST THAT REDEVELOPMENT
MAY BE OCCURRING THERE. REGION 321 (S14E32) HAS GROWN SLIGHTLY IN
H-ALPHA BUT HAS DECAYED IN WHITE LIGHT. OTHER REGIONS HAVE SHOWN LITTLE
SIGNIFICANT CHANGE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN GENERALLY LOW DURING THE
NEXT THREE DAYS. SPORADIC SMALL FLARES, SOME APPROACHING CLASS M
INTENSITY, ARE LIKELY.

II. THE GEOMAGNETIC FIELD HAS EXHIBITED QUIET CONDITIONS DURING THE
PAST SEVEN HOURS. GENERALLY QUIET TO UNSETTLED CONDITIONS ARE EXPECTED
THROUGH 19 JANUARY, WITH SHORT ACTIVE PERIODS LIKELY AT HIGH
LATITUDES DURING LOCAL NIGHT.

III. EVENT PROBABILITIES 17 - 19 JAN

CLASS M 45/45/45

CLASS X 05/05/05

PROTON 05/02/01

PCAF GREEN

IV. OTTAWA 10.7CM FLUX

OBSERVED 16 JAN 93

PREDICTED 17-19 JAN 93/92/91

90-DAY MEAN 16 JAN 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 JAN 12

ESTIMATED AFR/AP 16 JAN 10/11

PREDICTED AFR/AP 17-19 JAN 20/24 - 15/17 - 10/11

SOLTERWARN

SPAN

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 017

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 17 JANUARY 1974.

IA. SOLAR ACTIVITY REMAINS LOW, HOWEVER, TWO IMPORTANCE 2 EPL'S
WERE REPORTED. THE FIRST, AT 1253Z FROM N07 E LIMB, EXTENDED
OUT TO .05R. THE SECOND, AT 1925Z FROM N07 W LIMB, EXTENDED
OUT TO .20R. IT APPEARED TO ORIGINATE FROM REGION 314, ABOUT
1 1/2 DAYS PAST WEST LIMB. IT WAS ACCOMPANIED BY A MINOR TYPE IV
DEKAMETRIC BURST. IT IS DOUBTFUL THAT ENERGETIC PARTICLES WILL
ARRIVE AT THE EARTH. REGION 321 (S14E25) IS THE MOST INTERESTING
DISK REGION, AND SHOWS SIGNS THAT IT MAY DEVELOP FURTHER. ALL
OTHER REGIONS ARE STABLE OR DECAYING.

IB. SOLAR ACTIVITY MAY INCREASE SLIGHTLY IF REGION 321 DEVELOPS
FURTHER. BUT ACTIVITY SHOULD REMAIN LOW THE NEXT 72 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AND SHOULD BE UN-
SETTLED TO ACTIVE THE NEXT 48 HOURS, THEN BECOMING QUIET.

III. EVENT PROBABILITIES 18 JAN - 20 JAN.

CLASS M 30/35/40

CLASS X 01/01/01

PROTON 03/02/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 17 JAN 92

PREDICTED 18 JAN - 20 JAN 91/89/87

90-DAY MEAN 17 JAN 85

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 16 JAN 10

ESTIMATED AFR/AP 17 JAN 17/20

PREDICTED AFR/AP 18 JAN - 20 JAN 12/13 - 10/11 - 05/06

SOLTERWARN

SPAN

BT